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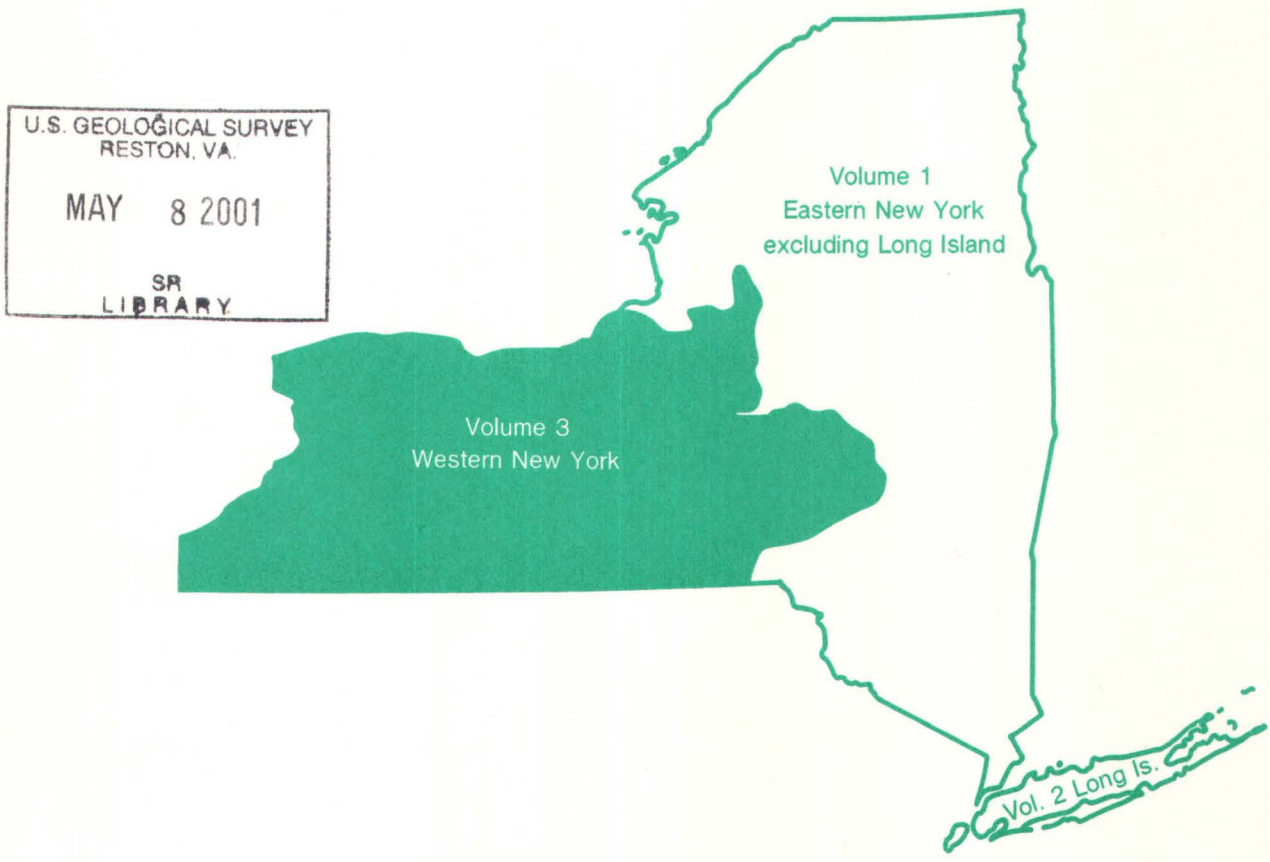
Water Resources Data New York Water Year 2000

Volume 3. Western New York

Water-Data Report NY-00-3



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

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

CALENDAR FOR WATER YEAR 2000

1999

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

Water Resources Data New York Water Year 2000

Volume 3. Western New York

By J. F . Hornlein, C. O. Szabo, H. J. Zajd, Jr., and R. L. Mulks

Water-Data Report NY-00-3

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

U.S. DEPARTMENT OF THE INTERIOR

GALE A. NORTON, Secretary

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2000

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PREFACE

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

Volume 1. Eastern New York excluding Long Island
Volume 2. Long Island
Volume 3. Western New York

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

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Water resources data for the 2000 water year for New York consist of records of stage, discharge, and water quality of streams; stage and contents of lakes and reservoirs; water levels and water quality of ground-water wells; and quantity and chemical quality of precipitation. This volume contains records for water discharge at 68 gaging stations; stage only at 15 gaging stations; stage and contents at 6 gaging stations; water quality at 16 gaging stations, 50 wells, and 27 partial record stations; water levels at 19 observation wells; daily precipation totals at 2 sites, and chemical quality of precipitation at 2 sites. Also included are data for 46 crest-stage partial record stations. Locations of these sites are shown on figure 1. Additional water data were collected at various sites not involved in the systematic data collection program and are published as miscellaneous measurements. These data together with the data in Volumes 1 and 2 represent that part of the National Water Data System operated by the U. S. Geological Survey and cooperating State, local, and Federal agencies in New York.

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

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

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

[Letters after station name designate type of data collected: (d) discharge, (c) chemical, (b) biological, (m) microbiological, (n) nutrient, (p) pesticide, (pr) precipitation, (t) water temperature, (s) sediment, (e) elevation, gage heights, or contents]

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

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

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CREST-STAGE PARTIAL RECORD STATIONS, IN DOWNSTREAM ORDER, FOR WHICH RECORDS ARE PUBLISHED IN THIS VOLUME

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CREST-STAGE PARTIAL RECORD STATIONS, IN DOWNSTREAM ORDER, FOR WHICH RECORDS ARE PUBLISHED IN THIS VOLUME--Continued

GROUND-WATER WELLS, BY COUNTY, FOR WHICH RECORDS ARE PUBLISHED IN THIS VOLUME

GROUND-WATER LEVELS

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

The following continuous-record surface-water discharge or stage-only stations (gaging stations) in New York 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 crest-stage partial-record stations.

[Letters after station name designate type of data collected: (d) discharge, (e) elevation (stage only)]

Discontinued surface-water discharge or stage-only stations

Station name	Station number	Drainage area (mi^2)	Period of record (water years)
SUSQUEHANNA RIVER BASIN			
Canadarago Lake at Schuyler Lake, NY (e)	01496450	65.0	1969-79
Oaks Creek at Index, NY (d)	01496500	102.0	1930-32, 1937-95
Cherry Valley Creek at Westville, NY (d)	01497000	81.4	1930-31, 1938-41
Susquehanna River at Colliersville, NY (d)	01497500	349.0	1907-09, 1924-68
Charlotte Creek at Davenport Center, NY (d)	01498000	164.0	1938-56
Charlotte Creek at West Davenport, NY (d)	01498500	167.0	1938-76
Otego Creek near Oneonta, NY (d)	01499000	108.0	1940-68
Flax Island Creek near Otego, NY (d)	01499050	4.22	1966-68
East Branch Handsome Brook at Franklin, NY (d)	01499470	9.12	1966-68
Susquehanna River at Unadilla, NY (d)	01500500 *	982.0	1938-95
Unadilla River near New Berlin, NY (d)	01501000	199.0	1924-68
Mill Brook at New Berlin, NY (d)	01501015	4.64	1974-81‡
Sage Brook near South New Berlin, NY (d)	01501500	0.70	1932-68
Butternut Creek at Morris, NY (d)	01502000	59.7	1938-95
Unadilla River at Rockdale, NY (d)	01502500 *	520.0	1930-33, 1937-95
Chenango River at Sherburne, NY (d)	01505000 *	263.0	1938-95
Canasawacta Creek near South Plymouth, NY (d)	01505500	57.9	1945-75
Chenango River at Greene, NY (d)	01507000 *	593.0	1937-70
Red Brook at Smithville Flats, NY (d)	01507470	7.06	1966-68
Genegantslet Creek at Smithville Flats, NY (d)	01507500	82.3	1938–70
Muller Gulf Creek near Cuyler, NY (d)	01507975	2.67	1966-68
Shackham Brook near Truxton, NY (d)	01508000	2.95	1932-68
Albright Creek at East Homer, NY (d)	01508500	6.81	1938-68
West Branch Tioughnioga River at Homer, NY (d)	01508803	71.5	1967-68, 1973-86
Otter Creek at mouth at Cortland, NY (d)	01508962	14.3	1976-77
Gridley Creek above East Virgil, NY (d)	01509150	10.4	1974-81
Dudley Creek at Lisle, NY (d)	01509500	30.0	1938-40
Otselic River near Upper Lisle, NY (d)	01510500	217.0	1937-69
Tioughnioga River at Itaska, NY (d)	01511500 *	730.0	1930-67
Susquehanna River at Vestal, NY (d)	01513500 *	3,941.0	1937-67
East Branch Nanticoke Creek above Glen Aubrey, NY (d)	01513719	12.8	1976-78
East Branch Nanticoke Creek at Glen Aubrey, NY (d)	01513720	15.4	1976
Nanticoke Creek at Union Center, NY (d)	01513790	90.7	1975-78
Pumpelly Creek at Owego, NY (d)	01513840	8.59	1966-68
Owego Creek near Owego, NY (d)	01514000 *	185.0	1930-79
Dean Creek at Spencer, NY (d)	01514500	8.03	1954-60

‡ No winter record.

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS--Continued

Station name	Station number	Drainage area (mi^2)	Period of record (water years)
SUSQUEHANNA RIVER BASIN--continued			
Susquehanna River near Waverly, NY (d)	01515000 *	4,773.0	1937-95
Cayuta Creek near Alpine, NY (d)	01515500	17.6	1930-31
Tioga River at Lindley, NY (d)	01520500 *	771.0	1930-95
Canisteo River at Hornell, NY (d)	01522000	93.7	1938-43
Karr Valley Creek at Almond, NY (d)	01522500	27.4	1937-68, 1973-86
Canacadea Creek at Hornell, NY (d)	01524000	58.5	1925-29, 1938-40, 1942-44
Bennett Creek at Canisteo, NY (d)	01525000	95.3	1938-47
Canisteo River at West Cameron, NY (d)	01525500 *	340.0	1930-31, 1937-70
Tuscarora Creek Tributary near Woodhull, NY (d)	01525750	9.43	1966-68
Tuscarora Creek near South Addison, NY (d)	01526000	114.0	1937-70
Mulholland Creek near Erwins, NY (d)	01526495	5.06	1966-68
Kirkwood Creek near Atlanta, NY (d)	01526980	4.65	1966-68
Cohocton River at Cohocton, NY (d)	01527000	52.2	1951-82
Switzer Creek near Cohocton, NY (d)	01527050	3.45	1979-81
Cohocton River at Avoca, NY (d)	01527500	157.0	1938-45, 1996-97
Fivemile Creek near Kanona, NY (d)	01528000	66.8	1937-95
Diversion from Waneta Lake to Keuka Lake at Keuka, NY (d)	01528700	45.5	1967-96
Mud Creek near Savona, NY (d)	01529000	76.6	1918-20, 1937-82
Newtown Creek at Breesport, NY (d)	01530380	20.6	1975-79‡
ALLEGHENY RIVER BASIN			
Olean Creek near Olean, NY (d)	03010800	198.0	1958-68‡,
Great Valley Creek near Salamanca, NY (d)	03011000	137.0	1951-68
Quaker Run near Quaker Bridge, NY (d)	03011550	28.5	1963-64‡
Conewango Creek below South Dayton, NY (d)	03012834	63.3	1975-78‡
Conewango Creek at Waterboro, NY (d)	03013000	290.0	1938-93
Ball Creek at Stow, NY (d)	03013800 *	9.06	1974
Chautauqua Lake at Celeron, NY (e)	03013980	189.0	1973
Chautauqua Lake near Mayville, NY (e)	03013990	189.0	1950-77
STREAMS TRIBUTARY TO LAKE ERIE			
Cattaraugus Creek near Arcade, NY (d)	04213410	79.0	1963-68
Franks Creek near West Valley, NY (d)	04213440	.28	1976-80
Franks Creek Tributary No. 4 near West Valley, NY (d)	04213441	.12	1976
Franks Creek Trib. No. 2 to Tributary No. 4 near West Valley, NY (d)	04213442	.002	1976-77
Franks Creek Trib. No. 3 to Tributary No. 4 near West Valley, NY (d)	04213443	.004	1976-77
Buttermilk Creek near Springville, NY (d)	04213450	30.0	1962-68
South Branch Cattaraugus Creek near Cattaraugus, NY (d)	04213492	70.4	1969, 1980-82
Cattaraugus Creek at Versailles, NY (d)	04214000	466.0	1915-23
Cattaraugus Creek below Irving, NY (e)	0421402001	554	1985-93
Eighteenmile Creek at North Boston, NY (d)	04214200	37.2	1963-68
Buffalo Creek near Wales Hollow, NY (d)	04214400	76.9	1963-68

‡ No winter record.

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS--Continued

Station name	Station number	Drainage area (mi^2)	Period of record (water years)
ST. LAWRENCE MAINSTEM			
Black Rock Canal at Porter Avenue, Buffalo, NY (e)	04216052	263,700.0	1984-94
STREAMS TRIBUTARY TO NIAGARA RIVER			
Scajaquada Creek at Buffalo, NY (d)	04216200	15.4	1957-94
Little Tonawanda Creek at Linden, NY (d)	04216500 *	22.1	1912-19, 1920-68, 1977-92
Tonawanda Creek near Alabama, NY (d)	04217500	231.0	1956-89
Murder Creek near Akron, NY (d)	04217750	58.8	1983-99
Black Creek near Swormville, NY (d)	04218190	12.9	1978-80
Ellicott Creek at Milgrove, NY (d)	04218450	40.8	1963-68
Ellicott Creek at Williamsville, NY (d)	04218500	76.2	1956-73
Donner Brook near Lockport, NY (d)	04218592	3.84	1978-79‡
STREAMS TRIBUTARY TO LAKE ONTARIO			
Oak Orchard Creek near Elba, NY (d)	04219930	21.9	1974-79‡
Manning Muckland Creek near Barre Center, NY (d)	04219940	5.80	1974-79‡
West Creek near Hilton, NY (d)	04220250 *	31.0	1957-64
Dyke Creek near Andover, NY (d)	04220470	38.0	1964-68
Dyke Creek at Wellsville, NY (d)	04220500	72.1	1955-60
Genesee River at Scio, NY (d)	04221500	308.0	1916-72
Van Campen Creek at Friendship, NY (d)	04221600	45.9	1964-68
Angelica Creek at Transit Bridge, NY (d)	04221720	86.7	1964-68
Genesee River at Belfast, NY (d)	04221820	644.0	1964-67
Caneadea Creek at Caneadea, NY (d)	04222000	62.0	1949-68
Lost Nation Brook near Centerville, NY (d)	04222500	1.21	1934-35
East Koy Creek at East Koy, NY (d)	04222900	46.5	1964-68
Genesee River at St. Helena, NY (d)	04223500	1,019.0	1947-50
Canaseraga Creek near Canaseraga, NY (d)	04224650	58.4	1964-68
Canaseraga Creek near Dansville, NY (d)	04225000	152.0	1919-68 , 1970-77
Canaseraga Creek at Cumminsville, NY (d)	04225005	155.0	1910-13, 1915-17, 1918-19
Canaseraga Creek at Groveland, NY (d)	04225500	180.0	1915-20 , 1956-64
Keshequa Creek at Craig Colony, Sonyea, NY (d)	04226000	68.3	1917-32, 1975-78
Keshequa Creek near Sonyea, NY (d)	04226500	68.4	1915-17
Keshequa Creek at mouth at Sonyea, NY (d)	0422660005	69.0	1911-14
Conesus Creek near Lakeville, NY (d)	04228000	72.0	1920-34
Honeoye Lake near Honeoye, NY (e)	04228845	41.0	1962-63, 1965-95
Springwater Creek at Springwater, NY (d)	04228900	10.1	1964-68
Genesee River below Erie Canal at Rochester, NY (d)	04231500	2,457.0	1904-05, 1905-18
Irondequoit Creek near Pittsford, NY (d)	04232040	44.4	1980-91
Thomas Creek at Fairport, NY (d)	04232046	28.5	1980-90
Irondequoit Creek at Linden Avenue, East Rochester, NY (d)	04232047	101.0	1973-89
Irondequoit Creek at Wetland Narrows at Rochester, NY (d)	0423205023	144.0	1981-84

‡ No winter record.

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS--Continued

Station name	Station number	Drainage area (mi^2)	Period of record (water years)
STREAMS TRIBUTARY TO LAKE ONTARIO--continued			
Sterling Creek at Sterling, NY (d)	04232100	44.4	1957-95
Catharine Creek at Montour Falls, NY (d)	04232200 *	41.1	1975-78‡
Keuka Inlet (Keuka Lake) at Hammondsport, NY (e)	04232450	182.0	1960-96
Kendig Creek near MacDougall, NY (d)	04232630 *	13.8	1965-68
Dryden Lake Inlet near Harford, NY (d)	04233678	2.73	1973-74
Virgil Creek at Freeville, NY (d)	04233700	40.3	1973-76
Salmon Creek at Ludlowville, NY (d)	04234018	81.7	1965-68
Canoga Creek at Canoga, NY (d)	04234055	3.20	1965-68
Mud Creek at East Victor, NY (d)	04234200 *	64.2	1958-68
Red Creek near Walworth, NY (d)	04234270	23.8	1965-69
Flint Creek at Potter, NY (d)	04235150	31.0	1964-68 , 1971-79
Flint Creek at Phelps, NY (d)	04235250	102.0	1960-95
Clyde River at Lock 26 Clyde, NY (d)	04235271	845.0	1935-67
Black Brook at Tyre, NY (d)	04235276	19.0	1985-95
Owasco Inlet at Moravia, NY (d)	04235300	106.0	1960-68
Grout Brook Trib. southeast of Fair Haven, NY (d)	04235820	0.27	1996-99
Skaneateles Lake at Skaneateles, NY (e)	04236000	72.7	1968-95
Skaneateles Creek at Willow Glen, NY (d)	04236500	75.8	1895-1908
Onondaga Creek Trib. #6 above main mudboil depression area (d)	04237944	0.32	1991-94
Onondaga Creek at Syracuse, NY (d)	04239500	95.0	1940-49
Onondaga Creek at Temple Street Syracuse, NY (d)	04240000	104.0	1949-51
Spafford Creek at Bromley Road near Spafford, NY (d)	04240145	3.14	1982-84
Spafford Creek at Sawmill Road near Spafford, NY (d)	04240150	8.06	1982-83, 1986
Rice Brook at Rice Grove, NY (d)	0424015305	2.64	1982-83
Willow Brook at Lader Point, NY (d)	0424016205	3.73	1982-83
Amber Brook at Amber, NY (d)	0424016825	3.75	1982-83
Van Benthuysen Brook near Amber, NY (d)	0424016975	5.84	1982-83
Ninemile Creek at Camillus, NY (d)	04240200	84.3	1958-82, 1988-98
West Branch Fish Creek at Blossvale, NY (d)	04241200	204.0	1966-68
East Branch Fish Creek at Fish Creek near Constableville, NY (d)	04241500	74.3	1924-32
East Branch Fish Creek at Taberg, NY (d)	04242500	188.0	1923-95
Chittenango Creek near Chittenango, NY (d)	04244000	66.3	1950-68
Limestone Creek at Fayetteville, NY (d)	04245000	85.5	1940-86
Butternut Creek at Jamesville, NY (d)	04245200 *	32.2	1958-99
Butternut Creek below Dewitt, NY (d)	04245250	58.6	1964-66
Scriba Creek near Constantia, NY (d)	04245840 *	38.4	1966-68
Oneida River at Caughdenoy, NY (d)	04246500	1,382.0	1948-98
Lake Ontario at Oswego, NY (e)	04249010	295,800.0	1860-1995

DISCONTINUED SURFACE-WATER-QUALITY STATIONS

The following stations were discontinued as continuous-record surface-water-quality stations. Daily records of temperature, specific conductance, or sediment were collected and published for the record shown for each station.

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

Discontinued continuous-record surface-water-quality stations

Station name	Station number	Drainage area (mi^2)	Type of record	Period of record (water years)
SUSQUEHANNA RIVER BASIN				
Unadilla River at Rockdale, NY	01502500	520.0	Temp.	1957
Susquehanna River at Conklin, NY	01503000	2,232.0	Temp.	1955
Chenango River at Greene, NY	01507000	593.0	Temp.	1957
Tioughnioga River at Cortland, NY	01509000	292.0	Temp. S.C.	1956-92
Susquehanna River at Johnson City, NY	01513110	3,891.0	Temp.	1956-92
Susquehanna River at Vestal, NY	01513500	3,941.0	Temp.	1961-62, 1966, 1968
Tioga River at Lindley, NY	01520500	771.0	Temp. Sed., S.C.	1975-81, 1975-77
Canisteo River at West Cameron, NY	01525500	340.0	Temp.	1957
Cohocton River at Cohocton, NY	01527000	52.2	Sed.	1980
Switzer Creek near Cohocton, NY	01527050	3.46	Sed.	1979-80
ALLEGHENY RIVER BASIN				
Allegheny River at Red House, NY	03011500	1,690.0	Temp.	1954-56
STREAMS TRIBUTARY TO LAKE ERIE				
Cattaraugus Creek at Gowanda, NY	04213500	436.0	Temp., S.C.	1978-81
Buffalo Creek at Gardenville, NY	04214500	142.0	Temp.	1962
STREAMS TRIBUTARY TO NIAGARA RIVER				
Tonawanda Creek at Batavia, NY	04217000	171.0	Temp., S.C	1978-81
Erie (barge) Canal at Lock 35 at Lockport, NY	04218600	--	Temp.	1962
Erie (barge) Canal (west of Genesee River) at Rochester, NY	04218700	--	Temp.	1962
Niagara River at Niagara Falls, NY	04219350	--	Temp.	1959
Niagara River at Fort Niagara, NY	04219640	265,000.0	Temp., S.C.	1973-80
STREAMS TRIBUTARY TO LAKE ONTARIO				
Genesee River at Wellsville, NY	04221000	288.0	Sed.	1975-77
Genesee River at Scio, NY	04221500	308.0	Temp.	1955
Van Campen Creek at Friendship, NY	04221600	45.9	Temp.	1964-67
Genesee River at Portageville, NY	04223000	984.0	Sed.	1975-77
Canaseraga Creek at Canaseraga, NY	04224650	58.4	Temp.	1964-67
Canaseraga Creek at Groveland, NY	04225500	180.0	Temp.	1961
Canaseraga Creek at Shakers Crossing, NY	04227000	335.0	Sed.	1975-77
Genesee River at Mount Morris, NY	04227500	1,424.0	Temp., Sed.	1955-56, 1975-77
Genesee River at Avon, NY	04228500	1,673.0	Sed.	1975-77
Oatka Creek at Garbutt, NY	04230500	200.0	Temp., Sed.	1960-61, 1975-77
Black Creek at Churchville, NY	04231000	130.0	Temp.	1962
Genesee River at Rochester, NY	04232000	2,467.0	Temp., Sed.	1955-71, 1975-77
Cayuga Lake Trib. No. 6 at Interlaken, NY	04234035	--	Temp.	1965
Canoga Creek at Canoga, NY	04234055	3.20	Temp.	1965

DISCONTINUED SURFACE-WATER-QUALITY STATIONS--Continued

Station name	Station number	Drainage area (mi^2)	Type of record	Period of record (water years)
STREAMS TRIBUTARY TO LAKE ONTARIO--continued				
Grout Brook Trib. southeast of Fair Haven, NY	04235820	0.27	Temp.	1996-99
Seneca River at Baldwinsville, NY	04237500	3,138.0	Temp.	1958-75
Spafford Creek at Bromley Road nr Spafford, NY	04240145	3.14	Sed.	1981-83
Spafford Creek at Sawmill Road nr Spafford, NY	04240150	8.06	Sed.	1981-83
Rice Brook at Rice Grove, NY	0424015305	2.44	Sed.	1981-83
Willow Brook at Lader Point, NY	0424016205	3.73	Sed.	1981-83
Amber Brook at Amber, NY	0424016825	3.69	Sed.	1981-83
Van Benthuysen Brook near Amber, NY	0424016975	5.84	Sed.	1981-83
East Branch Fish Creek at Taberg, NY	04242500	188.0	Temp., S.C.	1966-67
Butternut Creek near Jamesville, NY	04245200	32.2	Temp., S.C.	1966-67
Chittenango Creek at Bridgeport, NY	04245500	--	Temp.	1967-69
Scriba Creek near Constantia, NY	04245840	38.4	Temp., S.C.	1966-67
Oneida River at Caughdenoy, NY	04246500	1,382.0	Temp.	1958
Oswego River at Lock 7, Oswego, NY	04249000	5,100.0	Temp., S.C.	1975-81

DISCONTINUED CREST-STAGE PARTIAL RECORD STATIONS

The following crest-stage partial-record stations in western New York were 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.

Discontinued crest-stage partial record stations

Station name	Station number	Drainage area (mi^2)	Period of documented record (water years)
SUSQUEHANNA RIVER BASIN			
Ocquionis Creek at Richfield Springs, NY	01496363	20.0	1975-77
Mink Creek at Richfield Springs, NY	01496370	10.4	1969-86
Hyder Creek near Richfield Springs, NY	01496390	9.52	1975-77
Herkimer Creek at Schuyler Lake, NY	01496448	12.0	1976-77
Susquehanna River Trib. near Milford, NY	01496630	3.52	1976
Susquehanna River at Colliersville, NY	01497500 *	349.0	1971-72
Schnevus Creek at Schnevus, NY	01497800	54.2	1963-76
Susquehanna River southwest of Oneonta, NY	01498620	678.0	1988-91
Otego Creek near Oneonta, NY	01499000 *	108.0	1969-75
Unadilla River near New Berlin, NY	01501000 *	199.0	1970-72
Mill Brook at New Berlin, NY	01501015 *	4.64	1982-86
Wharton Creek Trib. near Edmeston, NY	01501140	2.02	1976-86
Susquehanna River at Afton, NY	01502701	1716.0	1972, 1977, 1979-90, 1996
Ouaquaga Creek near Belden, NY	01502714	3.37	1975-86
Susquehanna River at Tompkins St. at Binghamton, NY	01503495	2265.0	1988-90
Electric Light Stream near Morrisville, NY	01503960	7.21	1976-86
Cold Brook near North Norwich, NY	01505017	5.80	1975-86
Cold Brook at North Norwich, NY	01505018	5.90	1975-79
Canasawacta Creek near South Plymouth, NY	01505500	57.9	1977
Albright Creek at East Homer, NY	01508500 *	6.81	1969-76
West Branch Tioughnioga River at Homer, NY	01508803 *	71.5	1987-92
Otter creek Trib. at State Hwy 222 near Cortland, NY	01508946	2.85	1976-86
Page Brook Trib. near Page Brook, NY	01512515	2.07	1976-78
Nanticoke Creek Trib. at Nanticoke, NY	01513712	1.70	1975-86
Nanticoke Creek at Union Center, NY	01513790 *	90.7	1956, 1963-64, 1966-68, 1970-74
Karr Valley Creek at Almond, NY	01522500 *	27.4	1971-73
Tuscarora Creek near South Addison, NY	01526000 *	114.0	1971-72
Cohocton River at Cohocton, NY	01527000 *	52.2	1982-99
ALLEGHENY RIVER BASIN			
Johnson Creek near Franklinville, NY	03010743	5.25	1977-78, 1982-86
Olean Creek near Olean, NY	03010800 *	198.0	1982-95
Great Valley Creek Trib. near Great Valley, NY	03010997	3.91	1977-78
Great Valley Creek near Salamanca, NY	03011000 *	137.0	1977-92
West Branch Conewango Creek Trib. near Hamlet, NY	03012837	6.84	1977-81
Conewango Creek at Waterboro, NY	03013000 *	290.0	1994

DISCONTINUED CREST-STAGE PARTIAL RECORD STATIONS--Continued

Station name	Station number	Drainage area (mi^2)	Period of documented record (water years)
STREAMS TRIBUTARY TO LAKE ERIE			
Walnut Creek Trib. near Arcade, NY	04213399	1.02	1979, 1981-86
Franks Creek Tributary No. 4 near West Valley, NY	04213441	.12	1976
South Branch Cattaraugus Creek near Otto, NY	04213490	25.1	1963-99
Delaware Creek near Angola, NY	04214040	8.32	1963-86
Eighteenmile Creek at North Boston, NY	04214200 *	37.2	1971-76
Smoke Creek at Lackawanna, NY	04214250	14.3	1955, 1963-68, 1970-74, 1976
South Branch Smoke Creek at Lackawanna, NY	04214260	13.0	1953, 1955, 1967-76
Buffalo Creek near Wales Hollow, NY	04214400 *	76.9	1970-74
Hunter Creek at Colegrave, NY	04214410	14.0	1964-86
Little Buffalo Creek near East Lancaster, NY	04214980	24.0	1963, 1966-73, 1976-80
West Branch Cazenovia Creek near East Aurora, NY	04215250	58.7	1963, 1965-68, 1970
East Branch Cazenovia Creek at South Wales, NY	04215350	38.1	1963, 1966-70
STREAMS TRIBUTARY TO NIAGARA RIVER			
Tonawanda Creek near Johnsonburg, NY	04216400	23.7	1962-86
Little Tonawanda Creek Trib. near Batavia, NY	04216875	1.02	1976-86
Murder Creek at Pembroke, NY	04217700	43.6	1962-72, 1974-86
Fourmile Creek near Youngstown, NY	04219645	4.88	1970-73, 1976-80, 1982-86
STREAMS TRIBUTARY TO LAKE ONTARIO			
Eighteenmile Creek Trib. near Lockport, NY	04219738	2.53	1977-86
Johnson Creek Trib. near Lyndonville, NY	04219905	4.95	1970, 1972-73, 1977-79
Oak Orchard Creek at Barryville Rd. near Elba, NY	04219922	6.48	1976-86
Oak Orchard Creek near Elba, NY	04219925	7.49	1976-78
Oak Orchard Creek at Medina, NY	04220150	157.0	1962-70, 1972, 1975-76
West Creek near Hamlin, NY	04220245	4.56	1978-81, 1983-86
Quig Hollow Brook near Andover, NY	04220455	4.24	1964-72
Genesee River at Transit Bridge near Angelica, NY	04221725	579.0	1975-76
Black Creek at Hyde Flats Road at Black Creek, NY	04221769	10.7	1978-93
Wiscoy Creek at Bliss, NY	04222600	22.0	1962-86
Sugar Creek near Ossian, NY	04224700	10.0	1964-86

DISCONTINUED CREST-STAGE PARTIAL RECORD STATIONS--Continued

Station name	Station number	Drainage area (mi^2)	Period of documented record (water years)
STREAMS TRIBUTARY TO LAKE ONTARIO--continued			
Sugar Creek near Canaseraga, NY	04224740	16.9	1977
Stony Brook at Stony Brook State Park, NY	04224848	21.4	1977
Mill Creek at Patchinville, NY	04224900	4.22	1964-86
Mill Creek at Dansville, NY	04224978	35.9	1977
Canaseraga Creek at Groveland, NY	04225500 *	180.0	1975-77
Bradner Creek near Dansville, NY	04225600	9.68	1976
Keshequa Creek at Nunda, NY	04225915	32.7	1975-77
Keshequa Creek at Tuscarora, NY	04225950	58.5	1976-77
Little Conesus Creek near South Lima, NY	04228370	7.38	1975-76
Little Conesus Creek near East Avon, NY	04228380	8.02	1975-76
Springwater Creek at Springwater, NY	04228900 *	10.1	1970-72
Oatka Creek at Rock Glen, NY	04230320	14.5	1977
Oatka Creek at Pearl Creek, NY	04230400	78.4	1975-76
Pearl Creek at Pearl Creek, NY	04230410	10.8	1975-77
Oatka Creek near Pavillion Center, NY	04230423	110.0	1975-77
Mud Creek near LeRoy, NY	04230470	10.2	1975-76
Hotel Creek at Griffin Road near Churchville, NY	04231040	4.57	1976-86
Irondequoit Creek near Pittsford, NY	04232040 *	44.4	1962-63, 1965-66, 1968-70, 1972
Irondequoit Creek at Bushnell Basin, NY	04230042	52.6	1962-64, 1966, 1968-70
Mill Creek Trib. near Webster, NY	042320527	1.95	1971-72, 1976-86
Second Creek Trib. at Alton, NY	04232071	1.07	1970, 1973, 1976-86
Red Creek Trib. No. 16 near Red Creek, NY	04232087	2.90	1969, 1976-86
Hector Falls Creek at Burdett, NY	04232406	11.8	1971-74
Sixmile Creek near Ithaca, NY	04233310	42.0	1967-69, 1971-73, 1976-86
Webster Brook at Summer Hill, NY	04233624	2.59	1975
Fall Creek Trib. No. 7 at Stevens Corners, NY	04233632	0.52	1975-76
Fall Creek at Freeville, NY	04233648	55.9	1975
Virgil Creek at Mill Street, Dryden, NY	04233676	20.7	1966-70, 1972, 1975-86
Dryden Lake Inlet near Harford, NY	04233678 *	2.73	1975-76
Virgil Creek at Freeville, NY	04233700 *	40.3	1976-86
Salmon Creek at Ludlowville, NY	04234018 *	81.7	1971-72
Cayuga Lake Trib. No. 8 near Jacksonville, NY	042340202	1.36	1977-86
Yawger Creek Trib. near Auburn, NY	042340588	1.76	1976-86
Ganargua Creek above Macedon, NY	04234250	104.0	1965-69
Marbletown Creek Trib. near Newark, NY	04234363	0.58	1976-86

DISCONTINUED CREST-STAGE PARTIAL RECORD STATIONS--Continued

Station name	Station number	Drainage area (mi^2)	Period of record (water years)
STREAMS TRIBUTARY TO LAKE ONTARIO--continued			
West River near Middlesex, NY	04234400	29.3	1965-72, 1975-77
Black Brook at Tyre, NY	04235276 *	19.0	1966-73, 1975-84
Owasco Inlet at Moravia, NY	04235300 *	106.0	1970
Canada Creek Trib. near Lee Center, NY	04242795	1.34	1977-86
Chittenango Creek near Chittenango, NY	04244000 *	66.3	1978
Limestone Creek at Fayetteville, NY	04245000 *	85.5	1987-95
Negro Brook near Bridgeport, NY	04245405	1.53	1976-79
Wine Creek at Oswego, NY	04249011	3.11	1976-78

INTRODUCTION

Water resources data for the 2000 water year for New York consist of records of stage, discharge, and water quality of streams; stage and contents of lakes and reservoirs; ground-water levels and water quality; and precipitation quality. This volume contains records for water discharge at 68 gaging stations; stage only at 15 gaging stations; stage and contents at 6 gaging stations; water quality at 16 gaging stations, 50 wells, and 27 partial-record stations; water levels at 19 observation wells; daily precipitation totals at 2 sites, and chemical quality of precipitation at 2 sites. Also included are data for 46 crest-stage partial-record stations. Locations of these sites are shown on figure 1. Additional water data were collected at various sites not involved in the systematic data-collection program and are published as measurements made at miscellaneous sites. These data together with the data in Volumes 1 and 2 represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating State, local, and Federal agencies in New York.

Records of discharge and stage of streams, and contents or 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 chemical 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 in the United States or may be purchased from the Distribution Branch, U.S. Geological Survey, 604 South Pickett Street, Alexandria, VA 22304.

For water years 1961 through 1970, streamflow data were released by the Geological Survey in annual reports on a State-boundary basis. Water-quality records for water years 1964 through 1970 were similarly released either in separate reports or in conjunction with streamflow records.

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–98–3." These 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 Chief 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 3, water year 2000, through cooperative agreement with the Survey are:

New York State Department of Environmental Conservation
New York State Department of Transportation
New York State Thruway Authority
County of Chautauqua, Planning Department
County of Monroe, Department of Health
County of Monroe, Division of Engineering
County of Monroe, Water Authority
County of Onondaga, Department of Drainage and Sanitation
County of Onondaga, Water Authority Commission
County of Onondaga, Soil and Water Conservation District
City of Auburn
City of Ithaca
Town of Amherst, Erie County
Town of Cheektowaga, Erie County
Irondequoit Bay Pure Waters District
Village of Victor

Assistance in the form of funds for collecting records at gaging stations published in this report was also given by the U.S. Army Corps of Engineers, Onondaga Lake Management Conference, and U.S. Environmental Protection Agency.

The following organizations aided in collecting records:

Municipalities of Batavia, Canandaigua, Jamestown, Lancaster, Oneida, Rochester, Syracuse; Cornell University; New York State Electric and Gas Corporation; Niagara Mohawk Power Corporation (Orion Power New York); Rochester Gas and Electric Corporation.

Organizations that supplied data are acknowledged in station descriptions.

SUMMARY OF HYDROLOGIC CONDITIONS[1]

Surface Water

Streamflow during the 2000 water year was characterized by below-average annual mean discharges at most monitored sites in western New York except for the upper Susquehanna and eastern Finger Lakes drainage basins, where they were above average (table 1). The greatest departures from normal streamflow conditions were during November and December, when monthly mean discharges averaged 74 percent of the normal monthly discharges (table 2), and from June through September, when monthly mean discharges averaged 218 percent of the normal monthly discharges (table 3). Departures from the median discharges at two index stations—Susquehanna River at Conklin and Allegheny River at Salamanca—are shown in figures 2 and 3.

The 2000 water year began in October 1999 with below-normal air temperatures and precipitation. Precipitation averaged only 64 percent of normal in the Western Plateau. Streamflow ranged from normal to deficient (lower 25 percent of the record) at all monitored sites during October. Precipitation in western New York remained below normal during November. Statewide, precipitation averaged 82 percent of normal. Streamflow remained normal-to-deficient at all monitored sites.

[1]Climatological data used in this summary are from monthly weather summaries published by the Northeast Regional Climate Center, Cornell University, Ithaca, N.Y.

Warm, dry weather continued throughout the State in December. This was the third consecutive dry month in New York and also the third consecutive year with a drier-than-normal December. Streamflow at most monitored sites was normal, however.

Air temperatures during the first 2 weeks of January averaged about 10 F° above normal. Precipitation during this period also was above normal. Air temperatures during the last 2 weeks of January averaged about 10 F° below normal. Monthly snowfall totals for January were above normal across most of western New York, except in parts of the western snowbelt, where they were below normal. Streamflow in January remained normal throughout the western part of the State.

Precipitation and air temperatures during the first part of February were normal throughout western New York. Unseasonably warm temperatures and rain at the end of the month resulted in significant snowmelt. Streamflow at most monitored sites was in the excessive range (upper 25 percent of the record) for February. March temperatures were the seventh warmest in 106 years of record. Precipitation was below normal throughout western New York; as a result, streamflow decreased at most sites The range was from deficient to excessive.

April temperatures were normal, and monthly precipitation was the sixth wettest on record. Streamflow increased throughout the State, and was either normal or excessive at all monitored sites. Warm weather and above-normal precipitation continued

Table 1.--Mean discharges for selected streams for water year 2000 and mean annual discharges for the period of record.
[Locations are shown in fig. 4. Discharges are in cubic feet per second.]

Station no.	Name	Period of record	Mean annual discharge for period of record	Mean discharge for 2000 water year	Percent difference
01503000	Susquehanna River at Conklin	1913–99	3,577	4,647	+ 29.9
01512500	Chenango River near Chenango Forks	1913–99	2,414	2,919	+ 20.9
01531000	Chemung River at Chemung	1906–13, 1915–99	2,653	2,606	- 1.8
03011020	Allegheny River at Salamanca	1904–99	2,783	2,350	- 15.6
04217000	Tonawanda Creek at Batavia	1944–99	214	206	- 3.7
04221000	Genesee River at Wellsville	1955-58, 1973-99	391	354	- 9.5
04230500	Oatka Creek at Garbutt	1946-99	217	181	- 16.6
04234000	Fall Creek near Ithaca	1926–99	186	206	+ 10.8

Table 2.--Monthly mean discharge for water year 2000, at selected sites, as percentage of period-of-record monthly median discharge.
[Locations are shown in fig. 4.]

Station no.	Name	Period of record	Monthly mean discharge, as percentage of monthly median discharge		
			Oct	Nov	Dec
01503000	Susquehanna River at Conklin	1913–99	135	59	81
01512500	Chenango River near Chenango Forks	1913–99	76	69	94
01531000	Chemung River at Chemung	1915–99	111	78	111
03011020	Allegheny River at Salamanca	1904–99	53	61	90
04217000	Tonawanda Creek at Batavia	1944–99	80	55	54
04221000	Genesee River at Wellsville	1955-58, 1973-99	56	62	70
04230500	Oatka Creek at Garbutt	1946-99	64	44	38
04234000	Fall Creek near Ithaca	1925–99	96	66	73

Table 3.-- Monthly mean discharge for water year 2000 as percentage of period of record monthly median discharge, at selected sites.
[Locations are shown in fig. 4.]

Station no.	Name	Period of record	Monthly mean discharge, as percentage of monthly median discharge			
			June	July	Aug	Sep
01503000	Susquehanna River at Conklin	1913–99	288	143	196	134
01512500	Chenango River near Chenango Forks	1913–99	289	266	204	148
01531000	Chemung River at Chemung	1915–99	342	98	156	90
03011020	Allegheny River at Salamanca	1904–99	206	94	174	114
04217000	Tonawanda Creek at Batavia	1944–99	229	156	467	938
04221000	Genesee River at Wellsville	1955-58, 1973-99	322	86	183	76
04230500	Oatka Creek at Garbutt	1946-99	165	129	204	332
04234000	Fall Creek near Ithaca	1925–99	297	202	117	123

throughout western New York during May. A new monthly precipitation record was reached at Binghamton— 7.04 inches — more than twice the normal amount for May. Streamflow at all monitored sites either remained normal or increased into the excessive range. The highest monthly mean discharge on record for May occurred at Chenango River near Chenango Forks, and the fourth-highest monthly mean discharge was recorded at Susquehanna River at Conklin.

Mild weather and above-normal precipitation again prevailed throughout western New York during June. This period was the second-wettest first half of the year on record— trailing only 1972 which was highlighted by tropical storm Agnes. Streamflow was excessive at all monitored sites in western New York. Streamflow at the Susquehanna River at Conklin was in the excessive range for the fifth consecutive month. The fourth-highest June monthly mean discharge was recorded at Genesee River at Wellsville.

July brought cooler, drier weather to the western part of the State. The coldest average July air temperatures on record were reached at Binghamton (65°F) and Syracuse (67°F). July streamflow was in the normal range for most of western New York. August air temperatures remained cool, and precipitation varied across the State. Streamflow at all monitored sites was either normal or excessive.

September air temperatures and precipitation were normal in most of western New York, except for the Great Lakes drainage, where more than 6 inches of rain was recorded in some areas. Streamflow at monitored sites in the Great Lakes drainage in New York was excessive, whereas streamflow at all other monitored sites in western New York was normal. The third-highest September monthly mean discharge on record was recorded at Tonawanda Creek at Batavia.

Water Quality

Suspended-sediment samples from the Tully Valley mudboil/depression area (MDA) during water year 2000 continued to indicate a nearly constant sediment loading to Onondaga Creek, at about 0.7 ton/d (tons per day). The loading rate has been constant over the past 4 years, even though spring 2000 precipitation was heavier than normal, summer precipitation was normal, and fall precipitation was below normal.

Quarterly water-quality analyses of samples collected along Onondaga Creek and some of its tributaries during the 2000 water year indicated that mineralized discharges from the MDA, from depressurizing wells drilled around the MDA, and from landslide areas along the base of Bare Mountain added considerable amounts of halite, gypsum, and sulfates to the creek. The current loadings do not affect the creek's ecology, according to a 1998 assessment of fish and invertebrates done between Tully Farms road near Solvay road and U.S. Route 20. The concentrations and loadings of these constituents to the creek, show a slow but continuous downstream increase that is related to the discharge of deeper, more mineralized waters to the surface-water system through the unconsolidated aquifer in the central part of the valley, and from the bedrock aquifer(s) along the lower Bare Mountain hillside.

Samples of atmospheric deposition, ground water, and surface water are collected at several sites throughout Monroe County for chemical analysis. (Locations are shown in fig. 5). Analyses indicated no significant changes from previous years. Concentrations of all constituents monitored were within the historical range of the period of record for each station. Sites are periodically added to, or dropped from, this monitoring network, which currently emphasizes the Irondequoit Creek basin but is being expanded to other parts of Monroe County. Constituent concentrations are used with streamflow data to estimate long-term trends in concentration and to calculate constituent loadings, which are used by county managers to assess environmental effects of water-resource-management practices. Water samples were analyzed by the Monroe County Environmental Health Laboratory (in Rochester, N.Y.).

Water samples were collected for pesticide analyses from selected streams, lakes, reservoirs, and wells that serve as sources of drinking water throughout upstate New York, as part of a long-term USGS monitoring program in cooperation with the New York State Department of Environmental Conservation. More than 90 samples from 14 surface-water and 32 ground-water sites in western New York were analyzed for 60 pesticides or degradates in water year 2000. The analytical detection limits ranged from 0.001 to 0.05 µg/L. Trace levels of a few pesticides—mainly atrazine, metolachlor, and their degradates—were detected at several sites, but the concentrations did not exceed any Federal or New York State standards for drinking water.

Pesticide-transport patterns during the 1997-2000 water years in two major tributaries to Lake Ontario—the Genesee River at Avon and the Seneca River at Baldwinsville—were

studied. Metolachlor ESA (a degradate), atrazine, and metolachlor represented the largest fraction of total pesticide load in both rivers. The main sources of these compounds are the agricultural lands to which they are applied. Maximum concentrations of pesticides and their metabolites are typically greater in the Genesee River than in the Seneca River, especially during runoff periods in late spring, because the Genesee River is less regulated by lakes and reservoirs than the Seneca River. Annual median concentrations are typically greater in the Seneca River than the Genesee River, however, because the Seneca River basin contains more agricultural land.

Ground Water

Ground-water levels in shallow, unconfined aquifers in western New York typically show a seasonal pattern—a sharp rise during the spring, and a gradual decline from summer through early fall. Water levels also rise in response to aquifer recharge from precipitation. Aquifer recharge varies locally and seasonally and is affected by many factors, including the timing and amount of precipitation, the soil-moisture content, the amount of local runoff, and the rate of evapotranspiration. Evapotranspiration consists of physical evaporation, transpiration by vegetation, and ground-water evapotranspiration.Typically recharge is greatest during the late fall and from early to mid-spring, when transpiration is minimal, and the ground is not frozen and allows infiltration. Water levels rise during the spring and usually exceed those reached in the preceding fall, mainly as a result of recharge from the melting snowpack. Water levels decline during the late spring and summer, when plant growth and rising water temperatures increase the rate of evapotranspiration and, thus, reduce the rate of recharge. Storms of sufficient intensity and duration provide minor recharge to shallow aquifers during summer. Precipitation in New York is (on average) fairly evenly distributed by month; thus, the annual summer decline in ground-water levels is due primarily to a reduction in recharge from increased evapotranspiration.

Water levels in confined aquifers generally are less responsive to individual recharge events than those in unconfined aquifers; their response is generally subdued and delayed because their hydraulic connection to the overlying unconfined aquifers is indirect.

The minimum, maximum, median long-term monthly, and current water levels at three observation wells during the 2000 water year are plotted in the hydrographs in figure 3. The hydrograph for well Ct-121 in Cattaraugus County (western New York) illustrates the water-level fluctuations under natural (nonpumping) conditions in a representative confined sand and gravel aquifer; the hydrograph for well Og-23 in Otsego County (central New York) illustrates seasonal water-level fluctuations under natural (nonpumping) conditions in a shallow, unconfined till aquifer. The hydrograph for well Cm-46 in Chemung County (south-central New York) illustrates water-level fluctuations under natural conditions in an unconfined sand aquifer.

Water levels under confined conditions at well Ct-121 were at or below the median from October through the first half of December, then declined and were below the median until the last part of July. Despite this decline, the water levels at well Ct-121 were above the median through August and September. Water levels at well Og-23 were above the median for the first few weeks of the water year, then declined to well below the median through the end of November. They then rose and remained at or near the median through April, when they declined to below the median during the first part of May. Water levels rose again in May to above the median and remained there until the end of June, when they dropped to below the median for the month of July. They then rose sharply and were well above the median for the remainder of the water year. Water levels at well Cm-46 were below the median at the beginning of the water year, rose above the median at the end of November, and remained there for most of December through July, when they declined to below the median. Water levels at this well fluctuate in response to streamflow levels in Newtown Creek near Elmira.

Figure 1.--Comparison of discharge at Susquehanna River at Conklin during 2000 water year with median discharge for 1942-90.

Figure 2.--Comparison of discharge at Allegheny River at Salamanca during 2000 water year with median discharge for 1942-90.

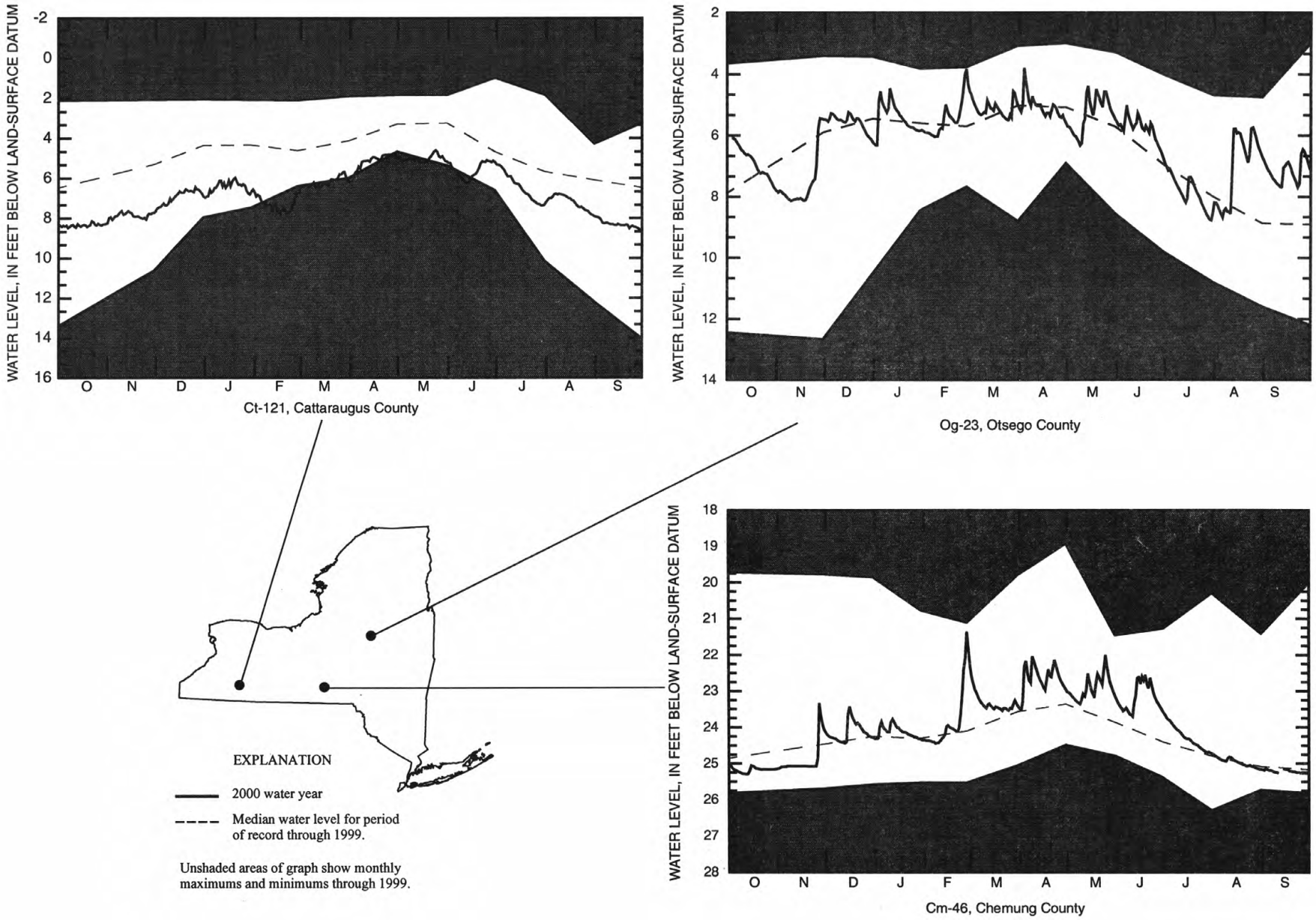

Figure 3.-Comparison of ground-water levels at selected observation wells in New York during 2000 water with median levels for period of record.

SPECIAL NETWORKS AND PROGRAMS

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, diverse, and geographically distributed part of the Nation's ground- and surface-water resources, and to identify, describe, and explain the major natural and human factors that affect these observed conditions and trends.

Assessment activities have begun in about two-thirds of the study units and ultimately will be conducted in 60 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-quality issues of regional and national interest.

EXPLANATION OF THE RECORDS

The surface-water and ground-water data published in this report are for the water year that began October 1, 1998, and ended September 30, 1999. A calendar of the water year is provided on the inside of the front cover. The data include discharge or stage of streams and canals, surface area, stage, and contents of lakes or reservoirs, surface-water quality, and ground-water levels. The locations of the stations and wells where data were collected are shown in figure 1. The following provide an explanation of how the data were collected, analyzed, computed, and arranged for presentation.

Station Identification Numbers

Each surface-water station and 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 is usually 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 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 on listing stations on first rank, second rank, and other ranks of tributaries. The rank of any tributary on which a station is situated with respect to the stream to which it is immediately tributary is indicated by an indention in a list of stations in the front of the 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 tributary on which each station is situated.

The station-identification number is assigned according to downstream order. In assigning station numbers, no distinction is made between partial-record stations, miscellaneous sites, and other stations; therefore, the station number for a partial-record station or a miscellaneous site indicates downstream-order position in a list made up of all types of stations. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete 8-digit number for each station, such as 01502500, includes the 2-digit Part number "01" plus the 6-digit downstream order number "502500." The Part number designates the major river basin. Part numbers used in this report and their corresponding river basins are: "01," the North Atlantic Slope basin; "03," the Ohio River basin; and "04," the St. Lawrence 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 to identify intermediate stations.

Latitude-Longitude System

The well-identification number is based on the grid system of latitude and longitude. The number consists of 15 digits. The first six digits denote the degrees, minutes, and seconds of latitude, the next seven digits denote degrees, minutes, and seconds of longitude, and the last two digits (assigned sequentially) identify the wells within a 1-second grid. See figure below.

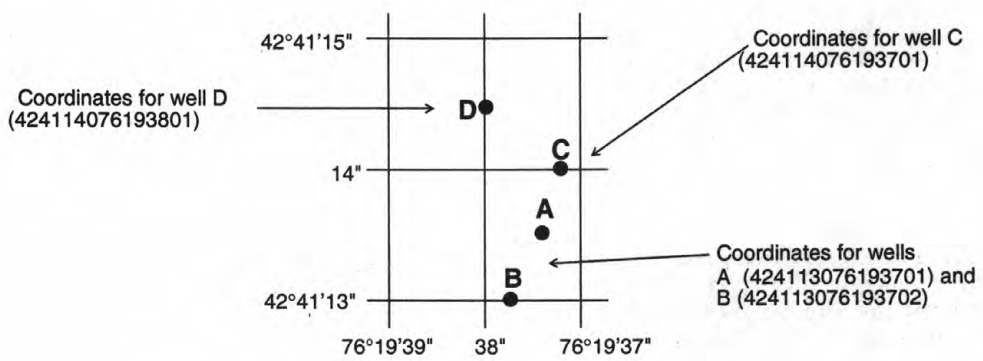

Figure 4. System for numbering wells (latitude and longitude)

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." Periods of record for discontinued continuous-record surface-water stations are given in a table following the "Contents" section of this report.

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 complete-record stations for which data are given in this report are shown in figure 1.

Data Collection and Computation

The data collected at stream-gaging stations consist of records of stage, measurements of discharge throughout a range of stages, and notations regarding factors that may affect the relationship between stage and discharge. These data, together with supplemental information, such as weather records, are used to compute daily discharges. The data collected at a lake or reservoir station consist of records of stage and notations regarding factors that may affect the relationship between stage and lake content. These data are used with stage-area and stage-capacity curves or tables to compute water-surface areas and lake storage.

Records of stage are obtained from direct readings on a non-recording gage, analog recorders that trace continuous graphs of stage, digital recorders that punch stage values on paper tapes at selected time intervals, or with data-collection platforms (DCP) that electronically record and then transmit the data via satellite to ground receiving stations. 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 (TWRI's), Book 3, Chapter A1 through A19 and Book 8, Chapters A2 and B2. The methods are consistent with the American Society for Testing and Materials (ASTM) standards and generally follow the standards of the International Organization for Standards (ISO).

For stream-gaging stations, results of individual discharge measurements are plotted against corresponding stages to develop stage-discharge relation curves. From these curves, rating tables that indicate the approximate discharge for any stage within the range of measurements are prepared. If it is necessary to express discharge greater than measured, the rating curves are extended 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.

Daily mean discharges are computed by applying the instantaneous stages (gage heights) to the stage-discharge curves or rating tables and averaging these discharges for each day. 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 of the personnel making the measurements and observers are applied to the gage heights before the discharges are determined from the curves or tables. This shifting-control method also is used if the stage-discharge relation is changed temporarily because of aquatic growth or debris on the control.

At some gaging stations, acoustic velocity meter (AVM) systems are used to compute discharge. The AVM system measures the stream's velocity at one or more paths in the cross section. Coefficients are developed to relate this path velocity to the mean velocity in the cross section. Because the AVM sensors are fixed in position, the adjustment coefficients generally vary with stage. Cross-sectional area curves are developed to relate stage, recorded as noted above, to cross section area. Discharge is computed by multiplying path velocity by the appropriate stage related coefficient and area.

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.

At some stream-gaging stations, formation of ice in the winter may so obscure the stage-discharge relation that daily mean discharges must be estimated on the basis of gage-height record, occasional water discharge measurements, and other information such as temperature and precipitation records, notes by gage observers and hydrographers, and records of discharge for other stations in the same or nearby basins for comparable periods.

For computing lake or reservoir contents, 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 are computed. If the stage-capacity curve 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.

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 recorded range in stage, previous and following records, discharge measurements, weather records, and comparison with other station records in the same or nearby basins. Likewise daily contents may be estimated from operator's logs, previous and following records, inflow-outflow studies, and other information. Information explaining how estimated daily-dis-

charge 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 1992 water year. The major changes are that statistical characteristics of discharge now appear in tabular summaries following the water-year data table. These changes represent 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, daily, and instantaneous 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; historical extremes outside the period of record; 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 gage 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, is that 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.--Identifies 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.--Published records, because of new information, 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 record 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 statement is used to identify estimated record, the paragraph will begin with this information presented at the first entry. The paragraph is also used to present information relative to the accuracy of the records, to special methods of computation, to conditions that affect natural flow at the station 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 Geological Survey by a cooperating organization are identified here.

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 occured. The highest stage may have been obtained from a graphic or electronic data logger, 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.--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. All peaks greater than the base discharge are listed with the maximum for the year footnoted by an asterisk (*). The base discharge, which is given in the heading, is selected so that an average of about three peaks a year will be presented. 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 day is expressed in 24-hour local standard time; for example, 12:30 a.m. is 0030, 1:30 p.m. is 1330.

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 to determine if the published records were ever revised after the station was discontinued. Of course, if the data were obtained by computer retrieval, the 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 stages are given.

Headings for AVERAGE DISCHARGE have been deleted and the information contained in this paragraph is now presented in the tabular summaries following the discharge table or in the REMARKS paragraph, as appropriate. No changes have been made to the data presentations of lake contents.

Data table of daily mean values

The daily table of discharge records for stream-gaging stations gives 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 mean 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") or 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 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, unles 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, daily, and instantaneous flows, not only for the current water year, but also for the previous calendar year and for the 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. In some instances, these extremes may occur on more than one date or year. 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 and instantaneous 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 REMARKS paragraph or in footnotes. Selected streamflow duration curve statistics and runoff data are also given. Runoff data maya 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 data 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 equivalent to 43,560 cubic feet or about 326,000 gallons or 1,233 cubic meters.

Cubic feet per second per square mile (CFSM) 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) indicates the depth to which the drainage area would be covered 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 mean flows at water-discharge stations follow the summary statistics tabulation. These hydrographs show the current water year daily mean discharges and their relation to the maximum, minimum, and median of record (see years used for statistical summary) through the previous water year for sites with more than 5 years of record. The hydrograph for sites with 5 years or less will only show daily mean 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.

Information published for partial-record stations follow the information for continuous-record sites. Data for partial-record discharge stations are presented in a table of annual maximum stage and discharge at crest-stage stations. The table of partial-record stations is 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 caslled measurements at miscellaneous sites.

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 records 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 interpretations of records.

The accuracy attributed to the records is indicated under "REMARKS." "Excellent" means that about 95 percent of the daily discharges are within 5 percent of the true discharge; "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.

Daily mean discharges in this report are given 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 discharge value. The same rounding rules apply to discharge figures listed for partial-record stations and miscellaneous sites.

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 used in the preparation of records in this report, such as discharge measurement notes, water temperature measurements, gage-height records, and rating tables is on file in the Ithaca subdistrict office. Also most gaging-station records are available in computer-readable form and many statistical analyses are available. Information on the availability of unpublished data or statistical analyses 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. Locations of all surface-water-quality stations for which data are given in this report are shown in figure 1.

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. Locations of surface-water quality stations are shown on figure 1.

Note that "continuing-record" differs from "continuous recording," which refers to a continuous graph or a series of dis-

crete values recorded at predetermined intervals. Some water-quality data may be obtained through continuous recordings (i.e. temperature); however, 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, regardless of the frequency of sample collection. Station number and name are the same for both records. Where a surface-water daily record station is not available or where the location of the water quality sampling site differs significantly from that of the nearby surface-water station, the continuing-record water-quality site is given 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.

On-site Measurements and Sample Collection

In obtaining water-quality data, a major concern is 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 in collecting the samples, in treating the samples to prevent changes in quality pending analysis, and in shipping the samples to the laboratory. Procedures for onsite measurements and for collecting, treating, and shipping samples are detailed in the TWRI Book 1, Chapter D2; Book 3, Chapter C2; and Book 5, Chapters A1, A3, and A4. These references are listed in the PUBLICATIONS ON TECHNIQUES OF WATER RESOURCES INVESTIGATIONS section of this report. These methods are consistent with ASTM standards and generally follow ISO standards. Also, detailed information on collecting, treating, and shipping samples may be obtained from the Geological Survey District office.

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

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

Water Temperature

Water temperatures are measured at most of the water-quality stations. In addition, water temperatures are taken at the 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 Ithaca subdistrict 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 concentrations in the cross sections. 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.

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.

Methods used in the computation of sediment records are described in the TWRI Book 3, Chapters C1 and C3. These methods are consistent with ASTM standards and generally follow ISO standards.

In addition to the records of instantaneous suspended-sediment discharge, the percentage of suspended sediment finer than 0.062 mm are reported at continuing-record sites.

Laboratory Measurements

Sediment samples, samples for biochemical-oxygen demand (BOD), samples for indicator bacteria, and daily samples for specific conductance are analyzed locally. All other samples are analyzed in the Geological Survey laboratories in Arvada, Colo. Methods used to analyze sediment samples and to compute sediment records are described in the TWRI, Book 5, Chapter C1. Methods used by the U. S. Geological Survey laboratories are given in the TWRI Book 1, Chapter D2; Book 3, Chapter C2; and Book 5, Chapters A1, A3, A4 and A5. These methods are consistent with ASTM standards and generally follow ISO standards.

Data Presentation

For continuing-record stations, information pertinent to the history of station operation, including station location, drainage area, period of record, type of data available, instrumentation, general remarks, cooperation, and extremes for parameters currently measured daily preceeds the data tables. If the location is identical to that of the discharge gaging station, neither the LOCATION nor the DRAINAGE AREA statements are repeated.

Following is a list of headings and a discussion of the information provided under each heading.

LOCATION.--Information on locations is obtained from the most accurate maps available. The location of the gage 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, is that 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 area 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 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 recorder, sediment pumping sampler, or other sampling device is in operation at a station. REMARKS.--Remarks provide added information pertinent to the collection, analysis, or computation of the records.

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

EXTREMES.--Maximums and minimums are given only for parameters measured daily or more frequently. None are given for parameters measured weekly or less frequently, because the true maximum or minimum 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.

Remark Codes

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

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)

NOTE: In March 1989 the National Water-Quality Laboratory discovered a bias in the turbidimetric method for sulfate analysis, indicating that values below 75 mg/L have a median positive bias of 2 mg/L above the true value for the period between 1982 and 1989. Sulfate values in this report have not been corrected for this bias.

Water 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. The various types of QC samples collected by this district are described in the following section. 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.

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. Therre 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 collected in this district are:

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

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

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

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

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.

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 variaability in the data contributed by some part of the collection and analytical process. There are many types of replicate samples possbile, each of which may yield slightly different results in a dynamic hydrologic setting, such as a flowing stream. The types of replicate samples collected in this district are: Sequential samples - 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 of degradation on the analyte concentration during sample processing and analysis.

Dissolved Trace-Element Concentrations

Traditionally, dissolved trace-element concentrations have been reported at the microgram per liter (µg/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 and 100's of nanograms per liter (ng/L). Data above the µg/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. Full implementation of the protocols will take place during the 1995 water year

Change in National Trends Network Procedures

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).

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").

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 usually 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 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.

Thus, "CHEMICAL DATA: 1972-74(c), 1977-82(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 of the six additional years.Frequency-of-Sampling Notation

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.

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 4.) Ground-water records are presented by county, in alphabetical order. Locations of observation wells are shown on figure 1.

Data Collection and Computation

Water-level 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 records are from direct measurements using a steel tape, from the punched tape of a water-stage recorder, or from an electronic data recorder. 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. If known, the altitude of the land-surface datum above sea level (see DEFINITION OF TERMS) 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; then monthly and yearly means are computed from the daily figures. Water levels in wells not equipped with recording gages are measured periodically, usually weekly, with a weighted tape.

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 current water year, and a graph of the water levels for the current water year or other selected period. 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 of the well description.

LOCATION.--Provides (immediately below the well-identification number) the latitude and longitude (in degrees, minutes, and seconds); the hydrologic unit number (see DEFINITION OF TERMS); the distance and direction from a geographic point of reference; and the owner's name.

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

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

INSTRUMENTATION.--Describes frequency of measurements 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.--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.--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.--Identifies the period for which there are published records for the observation well or for an equivalent

EXTREMES FOR PERIOD OF RECORD.--Indicates the highest and lowest water levels of the period of published 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 above or below land-surface datum. For wells not equipped with continuous-stage recorders, the table lists the water levels and measurement dates. For wells equipped with recorders, mean daily values are published, with missing records indicated by dashes in place of the water level. Because mean daily values are published for wells with recorders, the extremes may be values that are not listed in the table.

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 above or below land-surface datum. If the period of record is less than 10 years, the water levels for the entire record are plotted. Because all values are not plotted for wells with continuous-stage recorders, some extreme values may not appear on the plot.

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 ordinarilyt 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 a special study of a specific area. Con-

sequently, 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 TWRI publications referred to in the "On-site Measurements and Sample Collection" and the "Laboratory Measurements" sections in this data report. In addition, the TWRI Book 1, Chapter D2, describes guidelines for the collection and field analysis of ground-water samples for selected unstable constituents. 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. These methods are consistent with ASTM standards and generally follow ISO standards. 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 REMARKS codes listed for the surface-water-quality records are also applicable to ground-water-quality records.

ACCESS TO USGS WATER DATA

The USGS 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://www.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 on magnetic tape or 3-1/2 inch floppy disk. 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 table for converting English units to International System (SI) Units 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 multicelled 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.

Annual runoff is 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, acre-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 foot per second per square mile** [CFSM, $(ft^3/s)/mi^2$] is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming the runoff is distributed uniformly in time and area.
>
> **Inch** (IN., in.) as used in this report, refers to the depth to which the drainage area would be covered with water if all of the runoff for a given time period were uniformly distributed on it.

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 spring.

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

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 threadlike in shape, often clumped into colonies. Some bacteria cause disease, while others perform an essential role in nature in the recycling of materials; for example, by decomposing organic matter into a form available for reuse by plants.

> **Total coliform bacteria** are a particular group of bacteria that are used as indicators of possible sewage pollution. This group includes coliforms that inhabit the intestine of warm-blooded animals and those that inhabit soils. They are characterized as aerobic or facultative anaerobic, gram-negative, nonspore-forming, rod-shaped bacteria that ferment lactose with gas formation within 48 hours at 35 °C. In the laboratory, these bacteria are defined as all the organisms that produce colonies with a golden-green metallic sheen within 24 hours when incubated at 35 °C plus or minus 1.0 °C on M-Endo medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.
>
> **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 plus or minus 0.2 °C on M-FC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.
>
> **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 that are capable of growth in brain-heart infusion broth. In the laboratory, they are defined as all the organisms that produce red or pink colonies within 48 hours at 35 °C plus or minus 1.0 °C on KF-streptococcus medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.
>
> **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.

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.

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

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

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 microorganisms, such as bacteria.

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

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: See "Bed 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:

sphere $4/3\ \pi r^3$ cone $1/3\ \pi r^3 h$ 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.

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

Confined aquifer is a term used to describe an aquifer containing water between two relatively impermeable 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 bed-

rock outcrop, a gravel bar, an artificial structure, or a uniform cross section over a long reach of the channel.

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

Cubic foot per second (CFS, ft^3/s) is the rate of discharge representing a volume of 1 cubic foot passing a given point in 1 second. It is equivalent to approximately 7.48 gallons per second, 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.

Daily record is a summary of streamflow, sediment, or water-quality values computed from data collected with sufficient frequency to obtain reliable estimates of daily mean values.

Daily record station is a site for which daily records of streamflow, sediment, or water-quality values are computed.

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

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

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:

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

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 noncontributing 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.

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

Hydrologic 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.

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

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

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

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.

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

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 1 part per billion.

Micrograms per liter (UG/L, µg/L) is a unit expressing the concentration of chemical constituents in water as mass (micrograms) of constituent per unit volume (liter) of water. One thousand micrograms per liter is equivalent to 1 milligram per liter.

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

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

Miscellaneous site, or miscellaneous station, is a site where streamflow, sediment, and/or water-quality data are collected once, or more often on a random or discontinuous basis.

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 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: 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.

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

Organic carbon (OC) is a measure of organic matter present in aqueous solution, suspension, or bottom sediments. May be reported as dissolved organic carbon (DOC), suspended organic carbon (SOC), or 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.

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

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

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

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

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 (PCB's) are industrial chemicals that are mixtures of chlorinated biphenyl compounds having various percentages of chlorine. They are similar in structure to organochlorine insecticides.

Polychlorinated naphthalenes (PCN's) are industrial chemicals that are mixtures of chlorinated naphthalene compounds. They have properties and applications similar to polychlorinated biphenyls (PCB's) 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/(m^2/time)] for periphyton and macrophytes or per volume [mg O/(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 isotopic forms of an element that exhibit radioactivity. Isotopes are varieties of a chemical element that differ in atomic weight, but are very nearly alike in chemical properties. The difference arises because the atoms of the isotopic forms of an element differ in the number of neutrons in the nucleus; for example, ordinary chlorine is a mixture of isotopes having atomic weights of 35 and 37, and the natural mixture has an atomic weight of about 35.453. Many of the elements similarly exist as mixtures of isotopes, and a great many new isotopes have been produced in the operation of nuclear devices such as the cyclotron. There are 275 isotopes of the 81 stable elements, in addition to more than 800 radioactive isotopes.

Recoverable from 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.

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.

River mileage is the linear distance along the meandering path of a stream channel determined in accordance with Bulletin No. 14 (October 1968) of the Water Resources Council.

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 of slope, 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: concentration (mg/L) x discharge (ft^3/s) 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, reported as 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 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.

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

Stage: See "Gage height."

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

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

Substrate is the physical surface upon which an organism lives.

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 multiplate 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 procedures are required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Determinations of "suspended, recoverable" constituents are made either by 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 hierarchial scheme beginning with Kingdom and ending with Species at the base. The higher the classification level, the fewer features the organisms have in common. For example, the taxonomy of a particular mayfly, *Hexagenia limbata*, is the following:

Kingdom	Animal
Phylum	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 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 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."

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 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 (VOC's) 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 VOC's are manmade 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, 2000, is called the "2000 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

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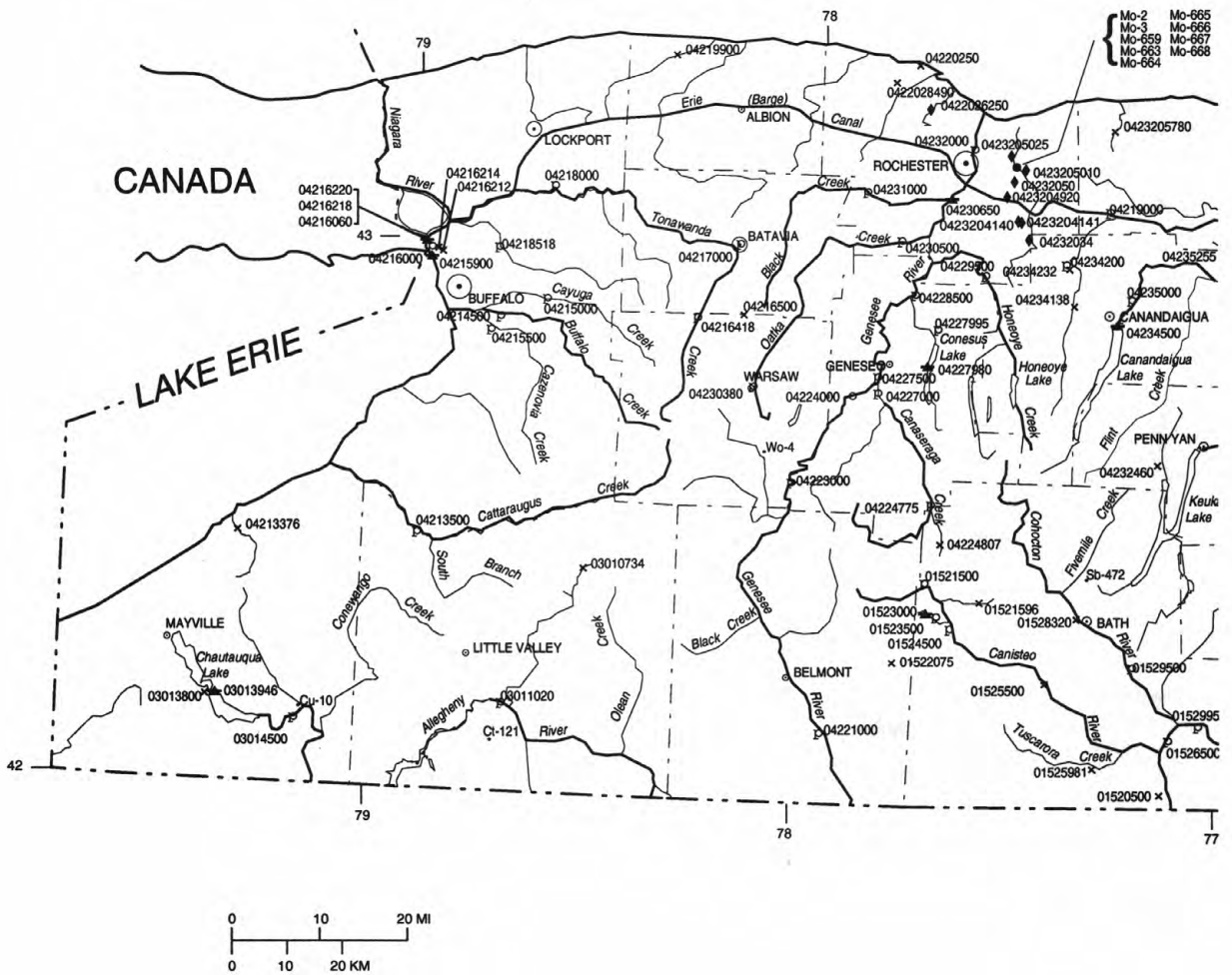
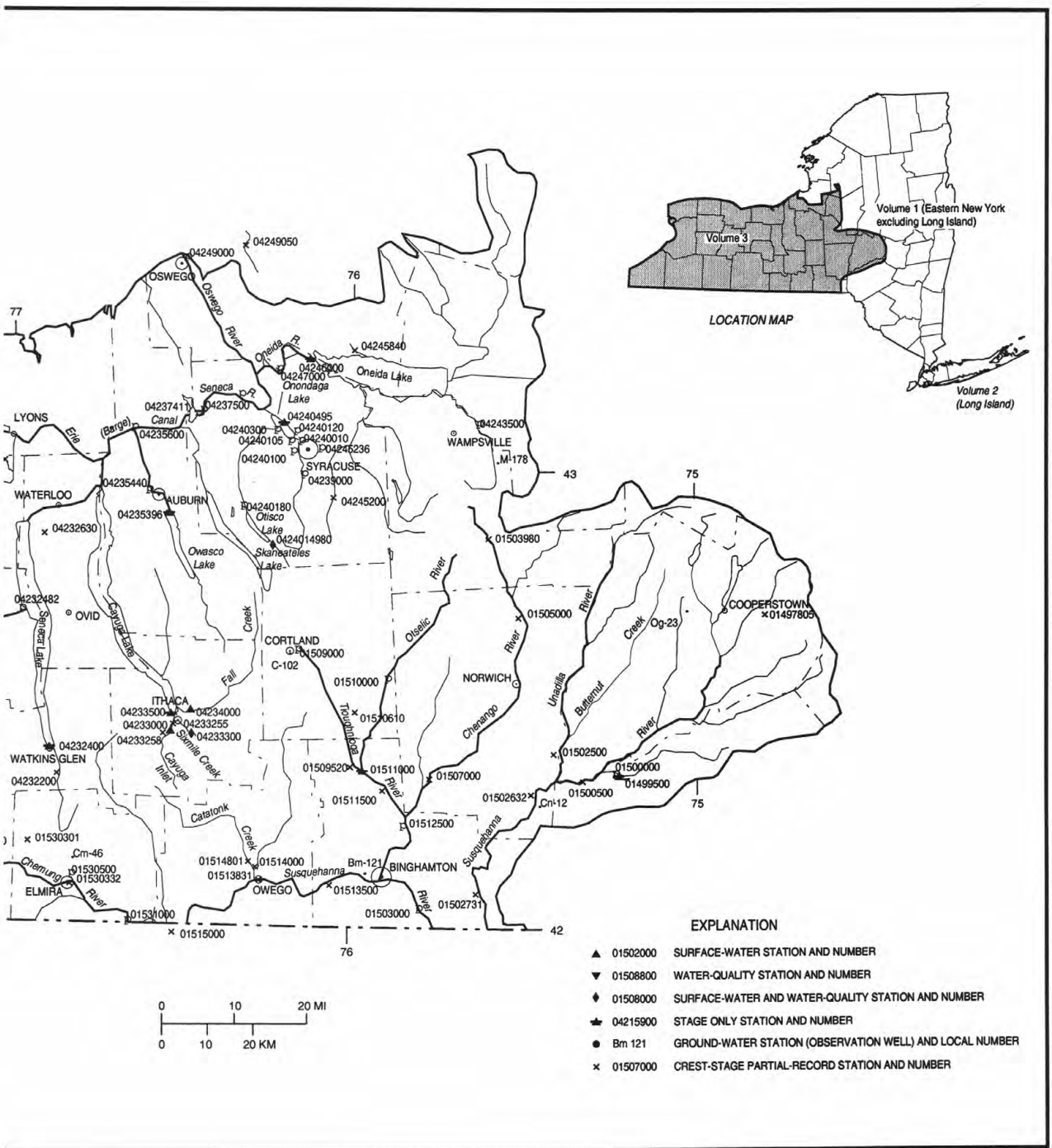
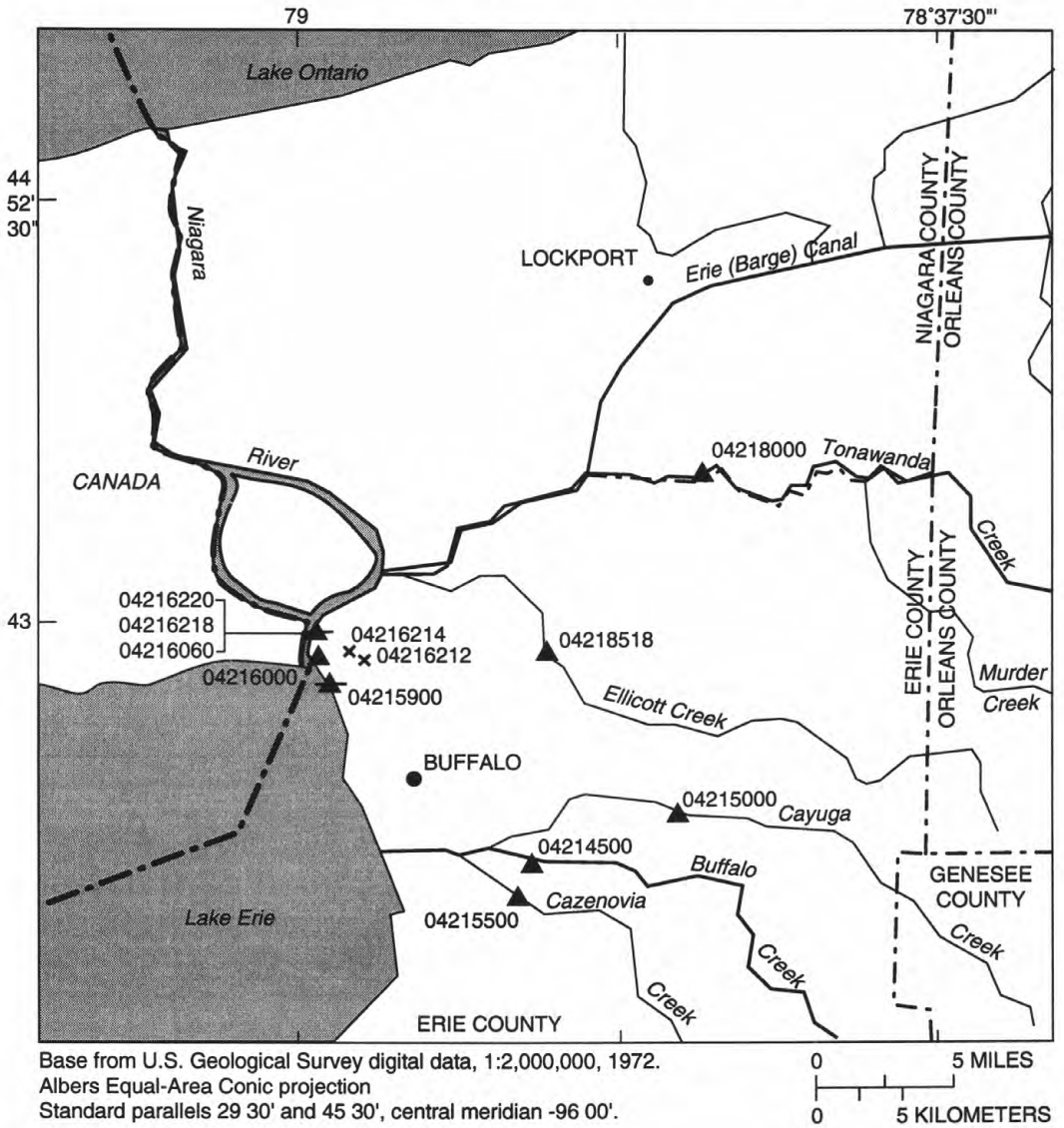


Base from U.S. Geological Survey digital data, 1:2,000,000, 1972.
Albers Equal-Area Conic projection
Standard parallels 29 30' and 45 30', central meridian -96 00'.

FIGURE 5. LOCATION OF GAGING STATIONS AND



OBSERVATION WELLS IN WESTERN NEW YORK



EXPLANATION

04215500 SURFACE-WATER STATION AND NUMBER

04215900 STAGE ONLY STATION AND NUMBER

04216214 CREST-STAGE PARTIAL-RECORD STATION AND NUMBER

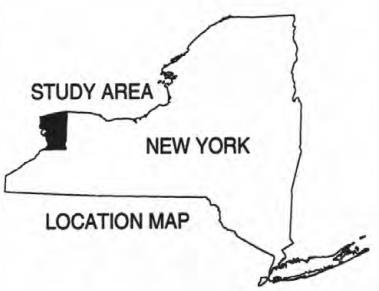
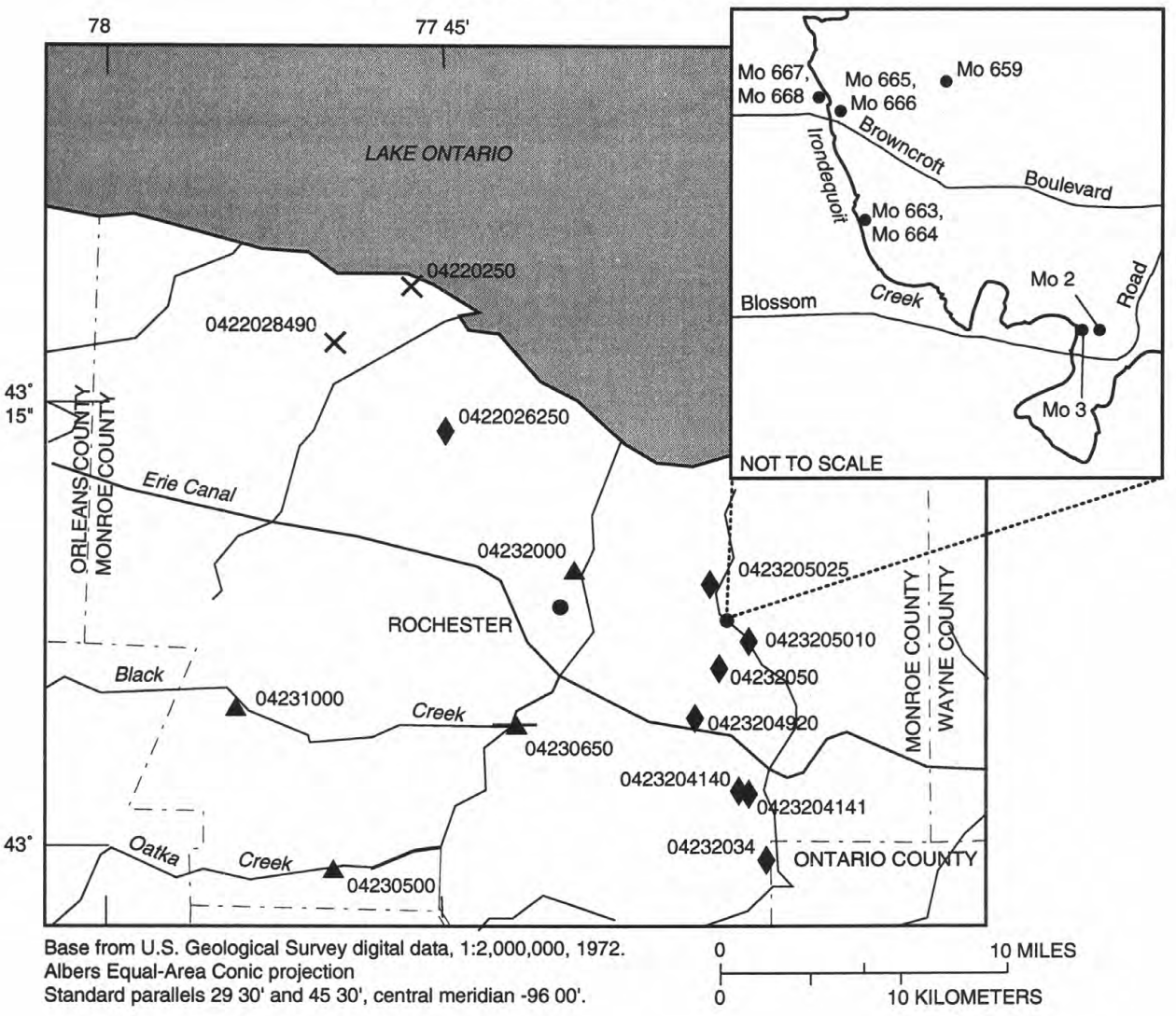


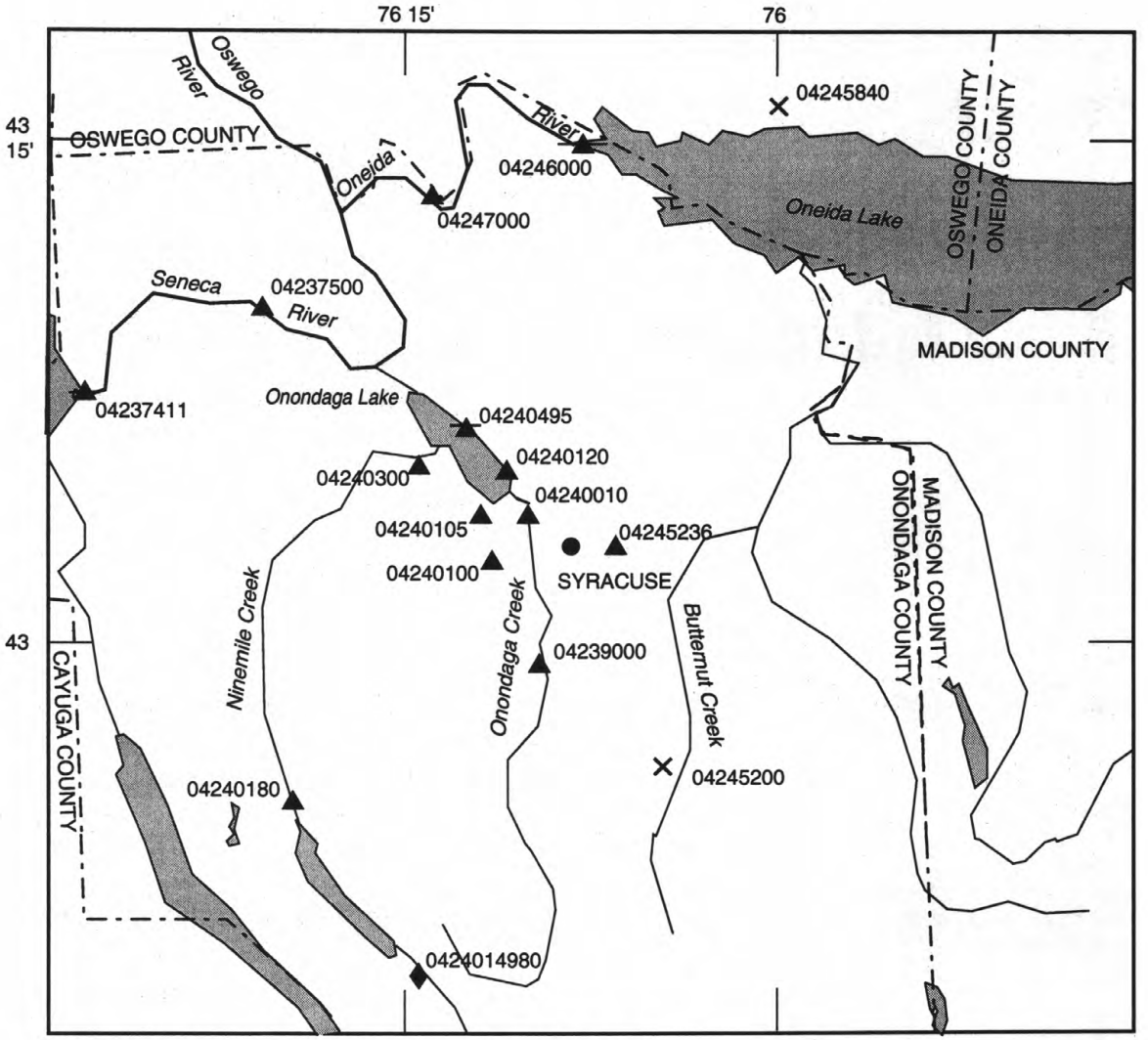
FIGURE 6. LOCATION OF GAGING STATIONS AND OBSERVATION WELLS IN ERIE AND NIAGARA COUNTIES, NY.



EXPLANATION

04231000	SURFACE-WATER STATION AND NUMBER
04230650	STAGE ONLY STATION AND NUMBER
04232050	SURFACE-WATER AND WATER-QUALITY STATION AND NUMBER
Mo659	GROUND-WATER STATION (OBSERVATION WELL) AND LOCAL NUMBER
04220250	CREST-STAGE PARTIAL-RECORD STATION AND NUMBER

FIGURE 7 . LOCATION OF GAGING STATIONS AND OBSERVATION WELLS IN MONROE COUNTY, NY.



Base from U.S. Geological Survey digital data, 1:2,000,000, 1972.
Albers Equal-Area Conic projection
Standard parallels 29 30' and 45 30', central meridian -96 00'.

0 5 MILES
0 5 KILOMETERS

EXPLANATION

- 04245200 — SURFACE-WATER STATION AND NUMBER
- 04240495 — STAGE ONLY STATION AND NUMBER
- 04245840 — CREST-STAGE PARTIAL-RECORD STATION AND NUMBER
- 0424014980 — SURFACE-WATER AND WATER-QUALITY STATION AND NUMBER

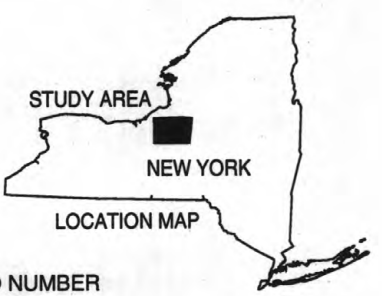


FIGURE 8. LOCATION OF GAGING STATIONS AND OBSERVATION WELLS IN ONONDAGA COUNTY, NY.

01500000 OULEOUT CREEK AT EAST SIDNEY, NY

LOCATION.--Lat 42°20'00", long 75°14'07", Delaware County, Hydrologic Unit 02050101, on right bank 0.2 mi downstream from bridge on County Highway 44, 0.4 mi downstream from East Sidney Dam, at East Sidney, and 3.5 mi upstream from mouth.
DRAINAGE AREA.--103 mi^2.
PERIOD OF RECORD.--August 1940 to current year.
REVISED RECORDS.--WSP 2103: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 1,086.23 ft above sea level. Prior to June 13, 1947, water-stage recorder at site 0.5 mi upstream at datum 27.30 ft higher.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Since November 1949, flow regulated by East Sidney Lake (see station 01499500). Satellite gage-height telemeter at station. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,250 ft^3/s, Dec. 30, 1942, gage height, 7.62 ft, site and datum then in use, from rating curve extended above 4,000 ft^3/s; minimum daily discharge, 1.2 cfs, gage height, 0.32 ft, Aug. 13, 14, 17, 1949, result of construction, minimum instantaneous discharge not determined. Maximum discharge since construction of East Sidney Reservoir in 1950, 4,000 ft^3/s, Apr. 7, 1960, gage height, 6.19 ft.
EXTREMES OUTSIDE PERIOD OF RECORD.--A discharge of 16,700 ft^3/s, in July 1935, was determined by computation of flow over dam and from floodmarks.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,280 ft^3/s, Mar. 1, gage height, 4.97 ft; minimum discharge, 11 ft^3/s, May 24, 25.

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	60	268	72	61	1810	398	125	164	103	26	32
2	106	55	304	63	61	2130	319	125	124	79	26	26
3	67	71	298	64	60	1990	419	108	175	71	27	26
4	110	79	281	179	60	1500	152	98	173	150	27	33
5	129	79	294	324	61	798	13	80	155	161	19	37
6	106	79	e280	190	61	424	936	74	155	116	15	37
7	97	73	e270	234	51	397	1760	74	313	97	15	37
8	68	69	265	156	55	321	1240	74	299	75	15	37
9	55	69	e240	130	43	342	536	74	206	76	16	37
10	80	62	e210	170	56	536	1090	62	145	64	161	37
11	97	55	203	462	61	525	731	140	101	40	175	37
12	97	62	142	352	62	592	524	233	453	40	649	38
13	97	75	123	260	62	797	405	276	436	39	767	103
14	97	81	131	213	208	730	444	306	488	38	222	371
15	97	81	148	200	468	536	442	306	474	38	192	226
16	97	81	208	200	324	373	373	428	261	57	192	133
17	97	73	226	e175	228	555	335	332	207	71	192	70
18	77	63	180	e150	200	530	540	221	216	71	139	39
19	69	61	156	e100	235	526	500	285	369	70	82	25
20	69	61	156	e145	226	404	424	378	247	69	71	25
21	69	61	157	e120	156	294	492	335	196	59	71	33
22	69	61	157	e100	153	262	588	273	381	38	72	37
23	69	67	103	e90	177	247	638	398	256	20	98	53
24	85	69	81	e80	252	220	645	159	157	15	91	63
25	94	69	90	e110	700	219	493	430	121	15	70	63
26	69	138	94	90	1120	265	362	985	124	15	50	53
27	61	629	96	84	790	271	303	959	187	15	40	34
28	69	696	95	83	16	864	273	915	178	14	39	34
29	69	452	94	81	407	877	201	692	130	21	38	34
30	69	e330	88	71	---	580	144	369	116	26	38	28
31	69	---	84	61	---	489	---	220	---	26	38	---
TOTAL	2727	3961	5522	4809	6414	20404	15720	9534	7007	1789	3673	1838
MEAN	88.0	132	178	155	221	658	524	308	234	57.7	118	61.3
MAX	223	696	304	462	1120	2130	1760	985	488	161	767	371
MIN	55	55	81	61	16	219	13	62	101	14	15	25

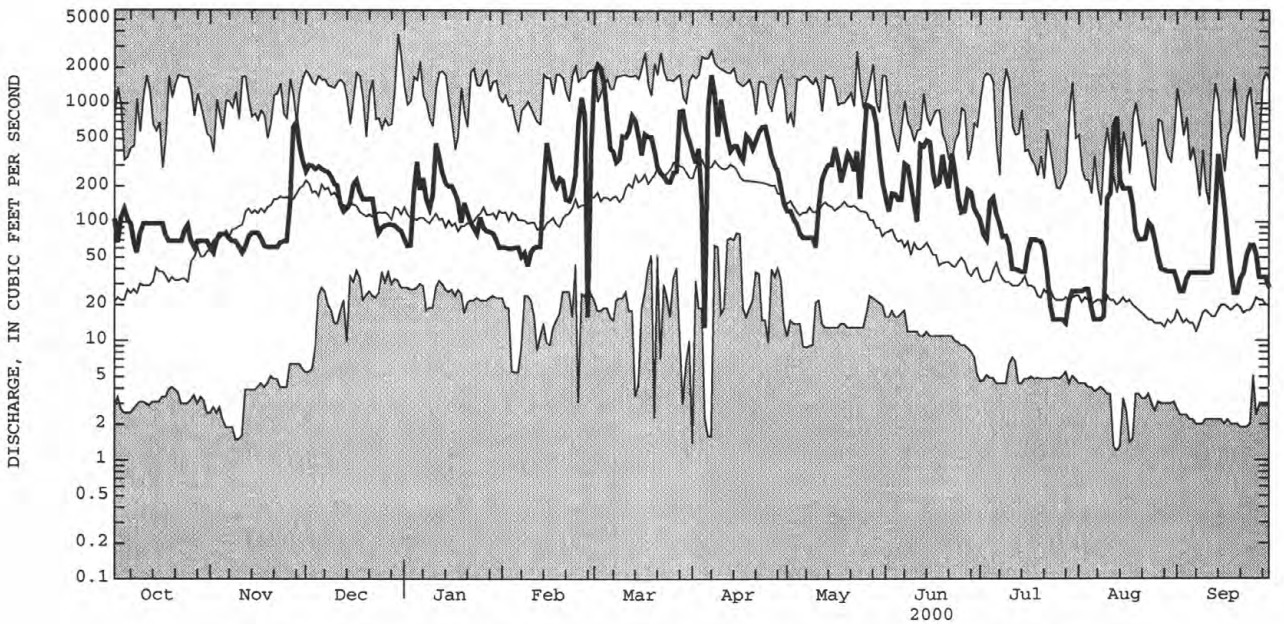
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	95.0	182	227	196	207	339	393	183	98.3	57.2	40.1	57.4
MAX	618	411	531	517	604	690	1117	483	370	305	200	408
(WY)	1978	1997	1997	1996	1981	1977	1993	1983	1968	1973	1994	1977
MIN	3.35	4.46	45.0	28.3	33.3	86.2	118	35.4	16.2	6.95	3.86	2.45
(WY)	1965	1965	1961	1961	1980	1960	1985	1987	1964	1965	1964	1964

e Estimated

01500000 OULEOUT CREEK AT EAST SIDNEY, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1950 - 2000	
ANNUAL TOTAL	51149.9		83398			
ANNUAL MEAN	140		228		173	
HIGHEST ANNUAL MEAN					242	1960
LOWEST ANNUAL MEAN					77.9	1965
HIGHEST DAILY MEAN	1900	Jan 27	2130	Mar 2	2800	Apr 7 1960
LOWEST DAILY MEAN	4.4	Aug 26	13	Apr 5	1.4	Apr 1 1989
ANNUAL SEVEN-DAY MINIMUM	4.4	Aug 26	16	Jul 23	1.8	Nov 5 1973
10 PERCENT EXCEEDS	339		527		410	
50 PERCENT EXCEEDS	79		124		86	
90 PERCENT EXCEEDS	10		37		12	



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

01503000 SUSQUEHANNA RIVER AT CONKLIN, NY

LOCATION.--Lat 42°02'07", long 75°48'12", Broome County, Hydrologic Unit 02050101, on left bank at abutment of former highway bridge, 500 ft upstream from bridge on County Highway 304 at Conklin, 0.7 mi downstream from Little Snake Creek, and 3.5 mi downstream from Pennsylvania-New York State line.
DRAINAGE AREA.--2,232 mi^2.
PERIOD OF RECORD.--November 1912 to current year.
REVISED RECORDS.--WSP 1672: 1918(M, P). WSP 2103: Drainage area. WDR NY-81-3: 1918 (M, P).
GAGE.--Water-stage recorder. Datum of gage is 841.04 ft above sea level. Prior to Oct. 4, 1914, nonrecording gage at same site and datum.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Minor regulation by upstream lakes and reservoirs. Telephone and satellite gage-height telemeters at station. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 61,600 ft^3/s, Mar. 18, 1936, gage height, 20.14 ft; maximum gage height, 20.83 ft, Mar. 22, 1948; minimum discharge, 85 ft^3/s, Oct. 14, 1964, gage height 1.30 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 18,000 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	1000	*38,000	*15.78	May 15	1330	20,000	11.04
Apr. 5	0200	28,000	13.34	May 24	2100	21,200	11.38

Minimum discharge, 592 ft^3/s, Sep. 11, 12, gage height, 2.43 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	2740	933	3880	e1900	e2100	33200	8110	4780	4620	2490	1010	759
2	2730	1050	3370	e1800	e2100	23400	6990	4330	4020	2420	1500	751
3	2220	2720	3040	1860	e2000	16100	7990	4060	3670	2170	1590	746
4	1920	1930	3000	2360	e2000	12700	21800	3770	4070	2610	1260	695
5	1930	1650	3150	6120	e1900	10300	27500	3410	3470	2370	1020	838
6	1910	1490	3640	8040	e1900	8470	25500	3190	3320	2050	939	938
7	1830	1320	3530	5630	e1850	7260	18200	2960	4850	1720	889	790
8	1630	1200	3100	4800	e1800	6970	13300	2720	7320	1490	845	686
9	1520	1100	2950	4310	e1800	7260	15300	2450	5830	1350	890	631
10	1540	1050	2940	4410	e1750	8450	15300	4950	4620	1230	1090	611
11	1750	1080	2770	7130	e1800	10100	13300	6930	3850	1140	1850	606
12	1760	1090	2670	9670	e2000	13400	11000	7620	4770	1060	1580	638
13	1640	1100	2560	8300	e2200	13700	10000	9810	6280	965	2180	942
14	1600	1080	2420	6490	e2400	11300	9000	15400	6670	910	3750	2180
15	1500	1060	2930	5290	e4600	9120	8720	19400	6920	953	2570	2240
16	1460	1040	3370	e4300	e6000	8070	8500	15100	6000	2250	2030	1820
17	1500	1000	3800	e3800	e5500	9960	7830	9940	4860	2590	1780	1580
18	1400	978	3640	e3600	e5000	10500	10700	7460	4420	2710	1900	1280
19	1260	1000	3160	e3100	e4300	8570	12200	9370	5440	2070	1610	1070
20	1200	939	2770	e3000	e4100	7560	9580	13200	5280	1580	1370	934
21	1170	946	2890	e2900	e4100	6850	8570	11400	4310	1380	1210	851
22	1130	988	3280	e2800	e3800	6180	10700	9990	4750	1300	1080	800
23	1160	1050	3410	e2700	3510	5630	11800	10300	5230	1190	1030	770
24	1160	1060	2790	e2650	4420	5170	11600	18300	4520	1210	1030	745
25	1190	1070	e2100	e2600	7190	4780	10000	19200	3890	1090	1630	759
26	1220	1380	e2000	e2500	12900	4700	8120	16600	4330	982	1780	932
27	1180	2920	e2000	e2400	19600	5060	6950	11900	4390	924	1380	916
28	1090	5810	e2000	e2300	35600	7920	6530	9240	4020	881	1070	800
29	1030	5700	e2000	e2250	35400	14300	6200	7640	3270	843	957	719
30	990	4520	e2000	e2200	---	13300	5480	6420	2810	835	876	679
31	968	---	e2000	e2150	---	9960	---	5380	---	959	821	---
TOTAL	47328	50254	89160	123360	183620	320240	346770	277220	141800	47722	44517	28706
MEAN	1527	1675	2876	3979	6332	10330	11560	8943	4727	1539	1436	957
MAX	2740	5810	3880	9670	35600	33200	27500	19400	7320	2710	3750	2240
MIN	968	933	2000	1800	1750	4700	5480	2450	2810	835	821	606
CFSM	.68	.75	1.29	1.78	2.84	4.63	5.18	4.01	2.12	.69	.64	.43
IN.	.79	.84	1.49	2.06	3.06	5.34	5.78	4.62	2.36	.80	.74	.48

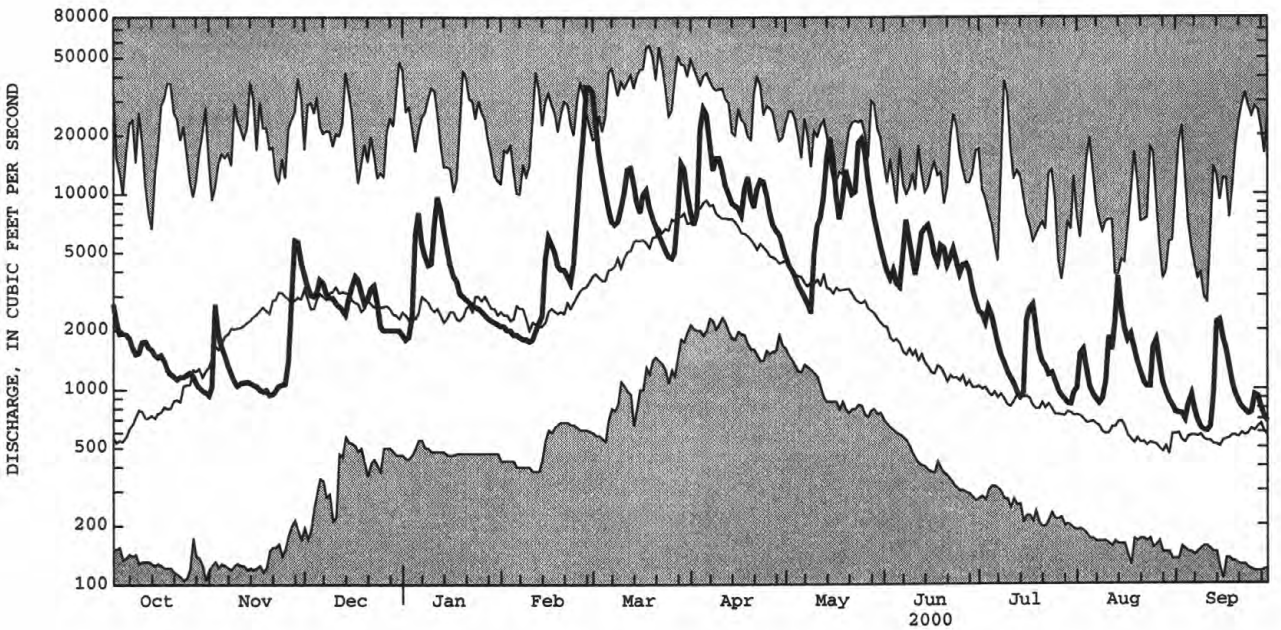
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1913 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1839	3363	3940	3956	3937	7586	8441	4250	2224	1433	986	1172
MAX	12860	9281	10680	10110	11150	18540	21340	10590	8122	7929	5033	8783
(WY)	1978	1928	1997	1913	1981	1936	1940	1943	1917	1915	1915	1977
MIN	130	140	641	476	724	2808	2000	1300	476	267	171	142
(WY)	1965	1965	1931	1931	1980	1965	1946	1985	1999	1936	1964	1964

e Estimated

01503000 SUSQUEHANNA RIVER AT CONKLIN, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1913 - 2000	
ANNUAL TOTAL	952584		1700697			
ANNUAL MEAN	2610		4647		3590	
HIGHEST ANNUAL MEAN					5667	1928
LOWEST ANNUAL MEAN					1690	1965
HIGHEST DAILY MEAN	30200	Jan 25	35600	Feb 28	57800	Mar 19 1936
LOWEST DAILY MEAN	168	Sep 6	606	Sep 11	105	Oct 24 1964
ANNUAL SEVEN-DAY MINIMUM	178	Aug 31	700	Sep 6	114	Oct 19 1964
ANNUAL RUNOFF (CFSM)	1.17		2.08		1.61	
ANNUAL RUNOFF (INCHES)	15.88		28.34		21.85	
10 PERCENT EXCEEDS	6080		10600		8440	
50 PERCENT EXCEEDS	1540		2720		2000	
90 PERCENT EXCEEDS	248		941		422	



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

01509000 TIOUGHNIOGA RIVER AT CORTLAND, NY

LOCATION.--Lat 42°36'10", long 76°09'35", Cortland County, Hydrologic Unit 02050102, on right bank at east end of Elm Street at Cortland, 0.4 mi downstream from confluence of East and West Branches.
DRAINAGE AREA.--292 mi^2, including 14.0 mi^2, the flow from which may be diverted into De Ruyter Reservoir in Oswego River basin.
PERIOD OF RECORD.--May 1938 to current year.
REVISED RECORDS.--WSP 2103: Drainage area. WRD NY 1974: 1973.
GAGE.--Water-stage recorder. Datum of gage is 1,084.92 ft above sea level. Prior to Oct. 1, 1939, water-stage recorder at datum 4.00 ft higher; Oct. 1, 1939 to Sep. 30, 1963, water-stage recorder at datum 3.00 ft higher.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Diurnal fluctuation at low and medium flow caused by powerplants in mills on West Branch. Slight diversion from East Branch for operation of Erie (Barge) Canal. Slight diversion from Gate House Pond on West Branch 17 mi upstream from station into Onondaga Creek basin (St. Lawrence River basin) for manufacturing purposes by Linden Chlorine Process Co. Telephone and satellite gage-height telemeters at station. Several measurements of temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,000 ft^3/s, Mar. 5, 1964, gage height, 12.49 ft; maximum gage height, 13.82 ft, Apr. 5, 1950; minimum discharge, 9.8 ft^3/s, Sep. 20, 1939, Sep. 29, 1959.
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)
Feb. 28	1515	*8,030	*10.96	May 14	1100	6,740	10.16

Minimum discharge 89 ft^3/s, Oct. 3, 4, 13.

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	143	119	518	257	e250	2520	777	606	676	333	203	105
2	111	129	455	249	e240	2160	727	694	675	298	185	104
3	94	407	437	462	e250	1750	949	637	721	287	171	102
4	97	368	509	1390	e240	1430	1890	560	576	287	152	101
5	152	271	638	1710	e230	1270	2440	515	506	263	138	99
6	130	236	636	1080	e210	1110	1800	537	605	239	131	99
7	112	216	634	819	e205	1020	1390	485	823	221	161	97
8	102	203	562	691	e210	1070	1340	434	649	206	198	95
9	97	196	507	612	e210	1340	2010	407	536	196	165	99
10	99	178	483	611	195	1520	1720	678	466	191	156	97
11	96	215	513	1170	209	1270	1430	2400	530	181	152	94
12	94	215	461	1030	e220	1340	1300	2560	869	166	156	103
13	93	196	440	812	e210	1180	1210	3780	665	156	154	127
14	186	189	434	e620	240	1020	1190	5960	890	153	145	130
15	296	184	472	e580	309	951	1140	3280	756	457	138	144
16	240	185	576	e520	296	909	1050	1950	640	1170	134	155
17	199	183	546	e480	270	896	961	1420	599	773	130	131
18	175	172	483	e470	260	759	1130	1340	627	454	126	120
19	156	175	431	e450	260	747	1160	2080	731	339	123	114
20	138	197	427	e440	251	714	1020	1850	585	287	119	108
21	131	228	627	e420	240	678	1290	1640	573	252	114	105
22	124	230	556	e390	236	639	1520	1450	1230	232	110	102
23	121	218	474	e370	268	597	1470	1330	1010	215	124	123
24	136	212	435	e350	419	560	1310	1810	745	198	175	158
25	165	207	e380	e360	774	533	1140	2120	621	184	157	159
26	160	335	e400	e320	1480	527	1000	1830	559	173	134	141
27	144	1120	e350	e310	3060	484	910	1460	490	163	124	125
28	141	915	e320	e290	7460	756	859	1200	429	158	117	119
29	139	683	e310	e290	3970	1010	762	1030	382	161	114	112
30	135	596	296	e280	---	961	670	896	361	203	110	109
31	123	---	281	e260	---	870	---	766	---	219	106	---
TOTAL	4329	8978	14591	18093	22672	32591	37565	47705	19525	8815	4422	3477
MEAN	140	299	471	584	782	1051	1252	1539	651	284	143	116
MAX	296	1120	638	1710	7460	2520	2440	5960	1230	1170	203	159
MIN	93	119	281	249	195	484	670	407	361	153	106	94
CFSM	.48	1.02	1.61	2.00	2.68	3.60	4.29	5.27	2.23	.97	.49	.40
IN.	.55	1.14	1.86	2.30	2.89	4.15	4.79	6.08	2.49	1.12	.56	.44

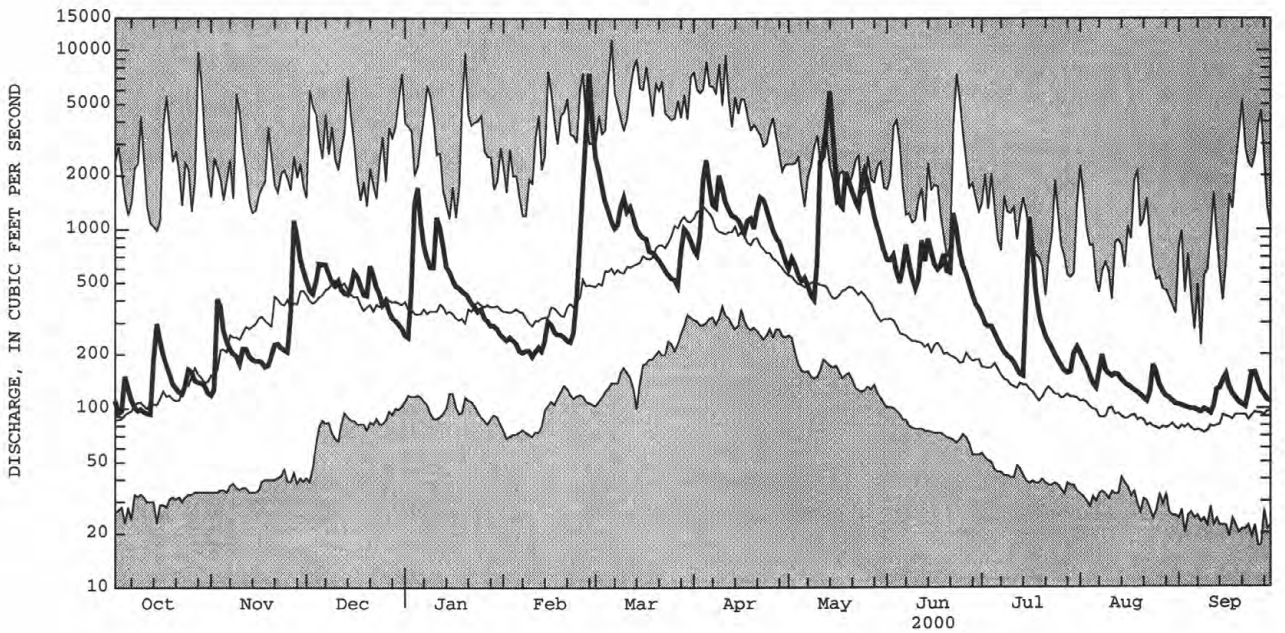
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	246	427	570	530	559	1051	1246	582	328	184	130	151
MAX	1553	1119	1537	1415	1469	2432	3487	1539	1674	539	480	1125
(WY)	1978	1969	1997	1998	1976	1945	1993	2000	1972	1976	1992	1977
MIN	33.2	44.3	86.7	112	127	359	305	205	77.7	43.5	34.6	23.8
(WY)	1965	1965	1961	1961	1963	1941	1946	1999	1999	1962	1939	1939

e Estimated

01509000 TIOUGHNIOGA RIVER AT CORTLAND, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1938 - 2000	
ANNUAL TOTAL	130160		222763			
ANNUAL MEAN	357		609		499	
HIGHEST ANNUAL MEAN					723	1943
LOWEST ANNUAL MEAN					303	1965
HIGHEST DAILY MEAN	4340	Jan 25	7460	Feb 28	11500	Mar 6 1979
LOWEST DAILY MEAN	28	Sep 12	93	Oct 13	17	Sep 26 1959
ANNUAL SEVEN-DAY MINIMUM	30	Sep 9	97	Sep 5	21	Sep 19 1939
ANNUAL RUNOFF (CFSM)	1.22		2.08		1.71	
ANNUAL RUNOFF (INCHES)	16.58		28.38		23.23	
10 PERCENT EXCEEDS	732		1340		1120	
50 PERCENT EXCEEDS	190		369		283	
90 PERCENT EXCEEDS	45		119		69	



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

01510000 OTSELIC RIVER AT CINCINNATUS, NY

LOCATION.--Lat 42°32'28", long 75°54'00", Cortland County, Hydrologic Unit 02050102, on right bank 150 ft upstream from Mead Brook, and 300 ft downstream from bridge on County Highway 159 at Cincinnatus.
DRAINAGE AREA.--147 mi^2.
PERIOD OF RECORD.--June 1938 to September 164, October 1969 to current year.
REVISED RECORDS.--WSP 2103: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 1,031.67 ft above sea level.
REMARKS.--Records fair. Telephone and satellite gage-height telemeters at station. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,390 ft^3/s, Dec. 30, 1942, gage height, 10.67 ft; maximum gage height, 10.89 ft, Jan. 19, 1996, ice jam; minimum discharge, 3.8 ft^3/s, Sep. 25, 1939.
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	0615	*5,420	*8.26	May 14	unknown	a4,500	unknown
Apr. 4	0945	2,990	5.87	May 24	0915	2,740	5.54
May 11	0845	3,050	5.95				

a About.

Minimum discharge, 27 ft^3/s, Aug. 19, Sep. 2.

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	68	60	276	140	130	1250	543	217	257	110	80	29
2	52	69	245	135	120	1120	524	260	e260	99	78	39
3	43	468	237	262	e130	819	788	214	e280	95	68	218
4	49	242	314	1410	119	674	2350	181	e240	104	61	90
5	75	182	383	1120	110	606	1980	172	e210	90	58	66
6	63	157	368	614	103	524	1220	181	e260	81	54	56
7	57	138	345	493	101	491	865	152	336	74	73	49
8	52	124	301	400	e100	612	838	138	218	68	78	45
9	50	115	269	346	e105	908	1430	135	175	65	63	46
10	52	112	265	456	97	1040	912	697	147	66	59	43
11	51	163	299	1000	e105	763	711	2570	138	60	55	40
12	48	135	253	665	e110	918	638	e1800	213	54	52	47
13	45	123	233	517	e105	681	595	e2200	188	50	53	162
14	72	120	227	e350	174	586	598	e3700	327	47	47	89
15	120	118	274	e320	269	558	583	e1800	239	550	44	85
16	94	114	401	e300	e210	533	506	e1100	196	e600	48	85
17	83	110	337	e280	e170	581	458	e780	181	e370	45	74
18	78	105	284	e270	e160	458	565	747	234	e230	40	68
19	76	109	241	e260	e160	446	551	1160	317	171	37	63
20	72	115	259	e250	e155	425	450	950	223	136	34	58
21	69	143	518	e230	e150	398	663	838	246	122	32	59
22	64	134	357	e210	e150	374	837	762	494	131	30	58
23	66	124	290	e200	e165	348	758	750	331	101	38	122
24	73	121	226	e190	e280	326	625	1990	249	91	76	189
25	86	119	e200	190	642	317	502	1730	206	83	56	114
26	82	257	e200	175	1010	365	417	1060	209	77	46	93
27	78	780	e190	158	2180	323	365	723	190	75	39	83
28	72	467	e170	148	4620	775	346	575	154	72	34	75
29	69	363	e170	e150	2180	809	286	480	134	73	40	69
30	66	323	170	e140	---	717	245	382	130	83	37	65
31	62	---	154	135	---	617	---	305	---	80	32	---
TOTAL	2087	5710	8456	11514	14110	19362	22149	28749	6982	4108	1587	2379
MEAN	67.3	190	273	371	487	625	738	927	233	133	51.2	79.3
MAX	120	780	518	1410	4620	1250	2350	3700	494	600	80	218
MIN	43	60	154	135	97	317	245	135	130	47	30	29
CFSM	.46	1.29	1.86	2.53	3.31	4.25	5.02	6.31	1.58	.90	.35	.54
IN.	.53	1.44	2.14	2.91	3.57	4.90	5.61	7.28	1.77	1.04	.40	.60

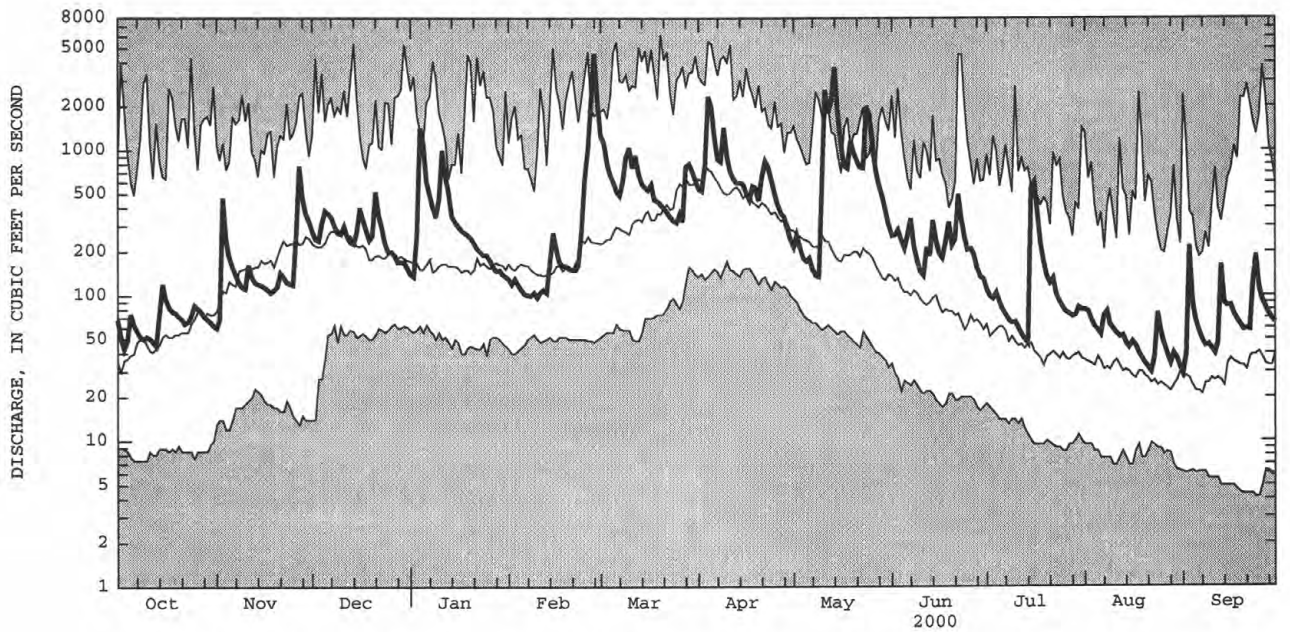
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	142	244	326	278	288	588	674	297	155	85.8	55.4	84.9
MAX	713	628	841	716	764	1302	1693	927	773	299	277	706
(WY)	1978	1960	1997	1998	1976	1945	1940	2000	1972	1976	1994	1977
MIN	9.90	23.3	66.9	55.6	63.1	178	150	80.3	24.6	12.5	8.99	5.54
(WY)	1964	1954	1961	1961	1987	1941	1946	1985	1962	1962	1964	1964

e Estimated

01510000 OTSELIC RIVER AT CINCINNATUS, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1938 - 2000	
ANNUAL TOTAL	71945.1		127193			
ANNUAL MEAN	197		348		268	
HIGHEST ANNUAL MEAN					391	1943
LOWEST ANNUAL MEAN					151	1995
HIGHEST DAILY MEAN	3500	Jan 24	4620	Feb 28	6200	Mar 20 1948
LOWEST DAILY MEAN	6.0	Sep 2	29	Sep 1	4.1	Sep 24 1939
ANNUAL SEVEN-DAY MINIMUM	6.1	Aug 31	36	Aug 27	4.3	Sep 19 1939
ANNUAL RUNOFF (CFSM)	1.34		2.36		1.82	
ANNUAL RUNOFF (INCHES)	18.21		32.19		24.74	
10 PERCENT EXCEEDS	425		780		613	
50 PERCENT EXCEEDS	100		181		136	
90 PERCENT EXCEEDS	12		53		23	



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

01512500 CHENANGO RIVER NEAR CHENANGO FORKS, NY

LOCATION.--Lat 42°13'05", long 75°50'55", Broome County, Hydrologic Unit 02050102, on left bank in Chenango Valley State Park, and 1.2 mi downstream from Tioughnioga River and village of Chenango Forks.
DRAINAGE AREA.--1,483 mi^2.
PERIOD OF RECORD.--November 1912 to current year.
GAGE.--Water-stage recorder. Datum of gage is 871.63 ft above sea level. Nov. 11, 1912 to Oct. 1, 1914, nonrecording gage and Oct. 2, 1914 to Aug. 2, 1936, water-stage recorder at site 300 ft upstream at same datum.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Since March 1942, flood flows partly regulated by Whitney Point Lake (see station 01511000). Slight diversion from upstream tributaries for operation of Erie (Barge) Canal. Telephone and satellite gage-height telemeters at station. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 96,000 ft^3/s, July 8, 1935, gage height, 20.3 ft, from floodmarks, from rating curve extended above 32,000 ft^3/s on basis of slope-area measurement of peak flow; minimum discharge, 79 ft^3/s, Sept. 3, 4, 5, 6, 1999.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 18,000 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	1500	*26,100	*11.10	Apr. 4	1200	18,700	9.59

Minimum discharge 350 ft^3/s, Sep. 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	821	560	2520	e1300	e1200	16200	4090	2450	2730	1380	1610	381
2	716	584	2240	1280	e1150	13000	3600	2350	2400	1200	984	374
3	579	1310	2030	1600	e1100	10600	4790	2420	2730	1130	826	371
4	525	2100	2160	6230	e1100	8730	16100	2160	2410	1200	751	573
5	594	1400	2640	9020	e1000	7680	15400	2020	2130	1100	682	536
6	672	1040	2830	5670	e1000	6610	11500	1950	2320	983	632	433
7	623	950	2850	4170	e950	5350	8250	1860	3000	912	671	397
8	558	886	2590	3430	e900	5090	6320	1700	2730	808	744	379
9	444	839	2350	2960	e900	5630	10800	1450	2200	723	786	371
10	460	819	2230	2980	e850	6550	9150	3460	1840	705	1410	374
11	526	955	2310	6250	e900	5880	7360	9810	1720	682	998	390
12	533	1080	2240	6650	e1000	7350	6500	10900	4880	649	699	396
13	504	1010	2090	4830	e1100	6230	5830	13500	3460	612	772	1920
14	534	967	2030	e3700	e1400	4870	5380	16200	4600	579	753	1690
15	844	948	2080	e3000	e2000	4260	4930	15100	4050	1230	664	895
16	912	939	2680	e2700	e1900	4160	4440	11300	2960	4760	588	816
17	818	906	2930	e2500	e1500	5040	4070	8730	2570	3600	556	699
18	800	846	2480	e2300	e1300	4240	5030	7370	2590	2510	534	611
19	806	831	2050	e2100	e1300	3790	5780	9360	3680	1580	495	611
20	765	852	1830	e2000	e1400	3510	4660	9170	2980	1280	463	564
21	688	917	3170	e1900	e1300	3240	5190	7620	2440	1100	436	539
22	634	1000	3310	e1750	e1300	3000	7520	6380	4660	1400	418	529
23	605	1000	2410	e1800	e1400	2760	7370	6120	4100	1200	436	515
24	616	968	e2100	e1700	e2800	2530	6210	10100	2910	1040	575	713
25	626	960	e1900	e1650	4770	2380	5030	11400	2410	859	658	787
26	653	1350	e1800	e1600	8210	2710	4240	10800	2330	740	557	714
27	654	4430	e1750	e1500	13300	2510	3750	8410	2100	698	487	642
28	643	4300	e1650	e1400	24300	5190	3530	6240	1880	670	449	584
29	623	3040	e1500	e1350	21400	7080	3160	4640	1640	708	421	541
30	606	2790	e1450	e1300	---	5790	2820	3860	1520	915	408	511
31	587	---	1410	e1250	---	4830	---	3090	---	1410	389	---
TOTAL	19969	40577	69610	91870	102730	176790	192800	211920	83970	38363	20852	18856
MEAN	644	1353	2245	2964	3542	5703	6427	6836	2799	1238	673	629
MAX	912	4430	3310	9020	24300	16200	16100	16200	4880	4760	1610	1920
MIN	444	560	1410	1250	850	2380	2820	1450	1520	579	389	371
CFSM	.43	.91	1.51	2.00	2.39	3.85	4.33	4.61	1.89	.83	.45	.42
IN.	.50	1.02	1.75	2.30	2.58	4.43	4.84	5.32	2.11	.96	.52	.47

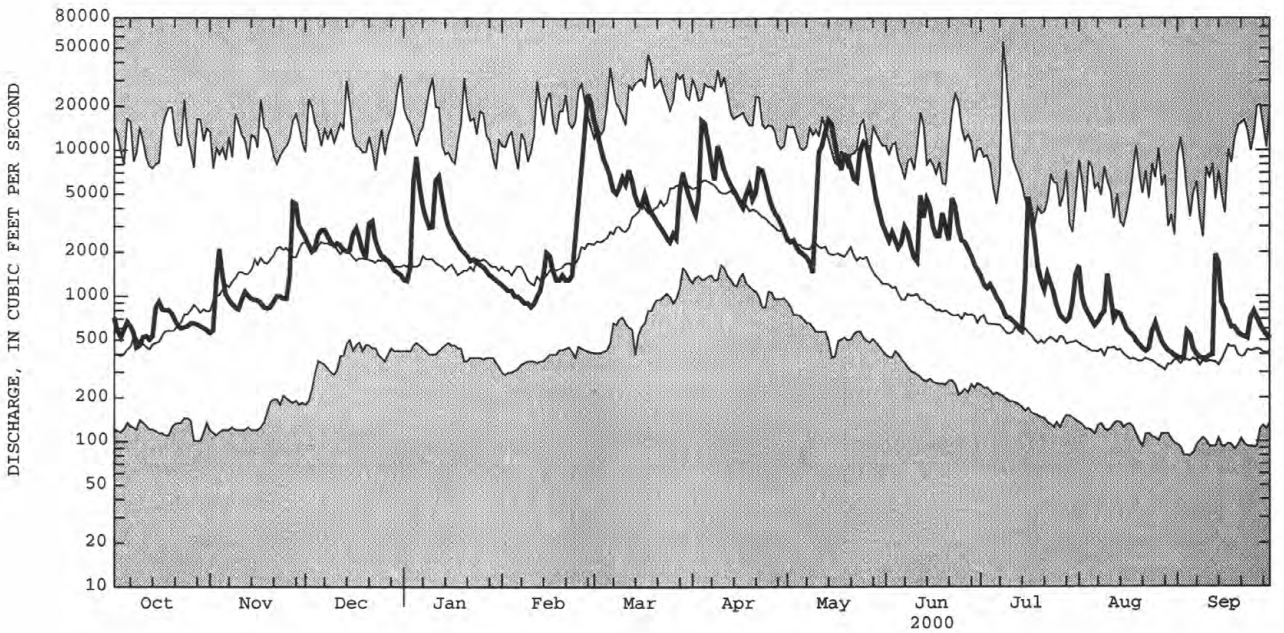
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1913 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1277	2247	2716	2652	2645	5346	5730	2645	1468	922	638	766
MAX	7210	6167	7534	7361	7688	12560	15330	6836	7439	5713	3138	5766
(WY)	1978	1928	1997	1913	1976	1936	1993	2000	1917	1935	1915	1977
MIN	155	168	525	445	472	1977	1317	770	312	175	133	107
(WY)	1940	1965	1961	1961	1980	1937	1946	1985	1999	1939	1999	1939

e Estimated

01512500 CHENANGO RIVER NEAR CHENANGO FORKS, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1913 - 2000	
ANNUAL TOTAL	633337		1068307			
ANNUAL MEAN	1735		2919		2420	
HIGHEST ANNUAL MEAN					3618	1943
LOWEST ANNUAL MEAN					1307	1965
HIGHEST DAILY MEAN	18700	Jan 25	24300	Feb 28	55400	Jul 8 1935
LOWEST DAILY MEAN	79	Sep 5	371	Sep 3	79	Sep 5 1999
ANNUAL SEVEN-DAY MINIMUM	86	Sep 1	391	Sep 6	86	Sep 1 1999
ANNUAL RUNOFF (CFSM)	1.17		1.97		1.63	
ANNUAL RUNOFF (INCHES)	15.89		26.80		22.17	
10 PERCENT EXCEEDS	4020		6780		6000	
50 PERCENT EXCEEDS	839		1700		1300	
90 PERCENT EXCEEDS	145		558		300	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.

SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

01521500 CANISTEO RIVER AT ARKPORT, NY

LOCATION.--Lat 42°23'45", long 77°42'42", Steuben County, Hydrologic Unit 02050104, on left bank 0.2 mi downstream from Arkport Dam, and 0.9 mi west of Arkport.
DRAINAGE AREA.--30.6 mi^2.
PERIOD OF RECORD.--January 1937 to current year.
REVISED RECORDS.--WSP 1552: 1952-57. WSP 2103: Drainage area.
GAGE.--Water-stage recorder and concrete control. Datum of gage is 1,202.85 ft above sea level.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Since March 1940, flows above 500 ft^3/s controlled by detention in Arkport Reservoir. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,000 ft^3/s, Mar. 5, 1938, Feb. 20, 1939; maximum gage height, 5.63 ft, Feb. 19, 1939 (ice jam); practically no flow July 30, 1938, Sep. 30, 1939 (result of construction operations). Maximum discharge since construction of Arkport Reservoir in 1940, 1,740 ft^3/s, Feb. 11, 1966.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of July 8, 1935, reached a discharge of 4,820 ft^3/s, on basis of slope-area measurement.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 596 ft^3/s, June 14, gage height, 2.89 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	12	e8.5	20	12	e10	60	19	18	12	7.8	195	e2.2
2	6.4	e18	16	27	e11	65	18	29	12	6.4	34	e2.4
3	4.6	e85	17	123	e11	48	40	23	15	6.5	17	e2.6
4	16	e40	45	376	e10	44	332	19	10	7.6	12	e2.8
5	14	e30	40	108	e10	44	111	18	9.3	6.1	7.8	e3.4
6	8.3	e20	35	53	e10	36	66	16	35	5.0	6.8	e2.8
7	6.3	e14	27	40	e10	30	48	14	23	4.3	7.9	e2.6
8	5.1	e10	21	31	e11	29	252	12	14	3.9	6.3	e2.4
9	4.7	e9.0	18	27	e11	27	218	11	28	4.2	9.5	e6.5
10	4.4	e9.0	20	35	e12	28	84	184	31	6.9	31	e6.1
11	4.1	e24	28	72	e15	26	64	78	108	5.0	12	e3.3
12	3.5	e18	20	51	e50	34	67	48	251	3.8	10	4.0
13	11	e13	20	39	e45	28	48	50	187	3.3	14	8.4
14	170	e11	38	e32	e20	36	38	49	338	4.0	8.9	4.9
15	43	e10	182	e30	e18	55	33	28	145	7.5	6.7	11
16	23	e8.0	182	e28	e17	61	29	21	275	5.8	5.9	8.7
17	15	e7.5	74	e26	e16	68	26	17	85	7.9	e5.2	5.3
18	12	e7.0	49	e25	15	51	26	56	238	5.1	e5.0	4.0
19	9.6	e7.0	34	e24	15	53	23	299	141	4.1	e4.8	3.3
20	8.4	e7.0	38	e23	14	62	34	97	51	3.6	e4.6	3.0
21	7.7	e7.0	47	e26	14	58	124	70	101	3.4	e4.4	5.3
22	7.6	e7.0	31	e24	16	55	192	53	85	3.1	e4.2	4.3
23	e7.5	e6.5	e21	e20	91	43	141	40	39	2.8	e7.0	13
24	e8.0	e6.5	e19	e18	277	35	79	88	25	2.6	e7.5	13
25	e7.0	e6.5	e17	16	456	31	51	99	19	2.3	e5.0	8.4
26	e6.5	e240	15	15	333	27	38	48	16	2.2	e3.4	6.1
27	e6.5	147	14	e14	220	24	33	33	13	2.1	e3.2	4.8
28	e6.0	54	e13	e13	267	22	30	25	10	3.6	e2.8	4.6
29	e5.5	35	13	e13	81	23	25	21	8.8	7.0	e2.6	4.2
30	e5.5	26	12	e12	---	24	21	17	10	4.5	e2.4	3.9
31	e5.5	---	12	e11	---	22	---	13	---	49	e2.2	---
TOTAL	454.7	891.5	1138	1364	2086	1249	2310	1594	2335.1	191.4	449.1	157.3
MEAN	14.7	29.7	36.7	44.0	71.9	40.3	77.0	51.4	77.8	6.17	14.5	5.24
MAX	170	240	182	376	456	68	332	299	338	49	195	13
MIN	3.5	6.5	12	11	10	22	18	11	8.8	2.1	2.2	2.2

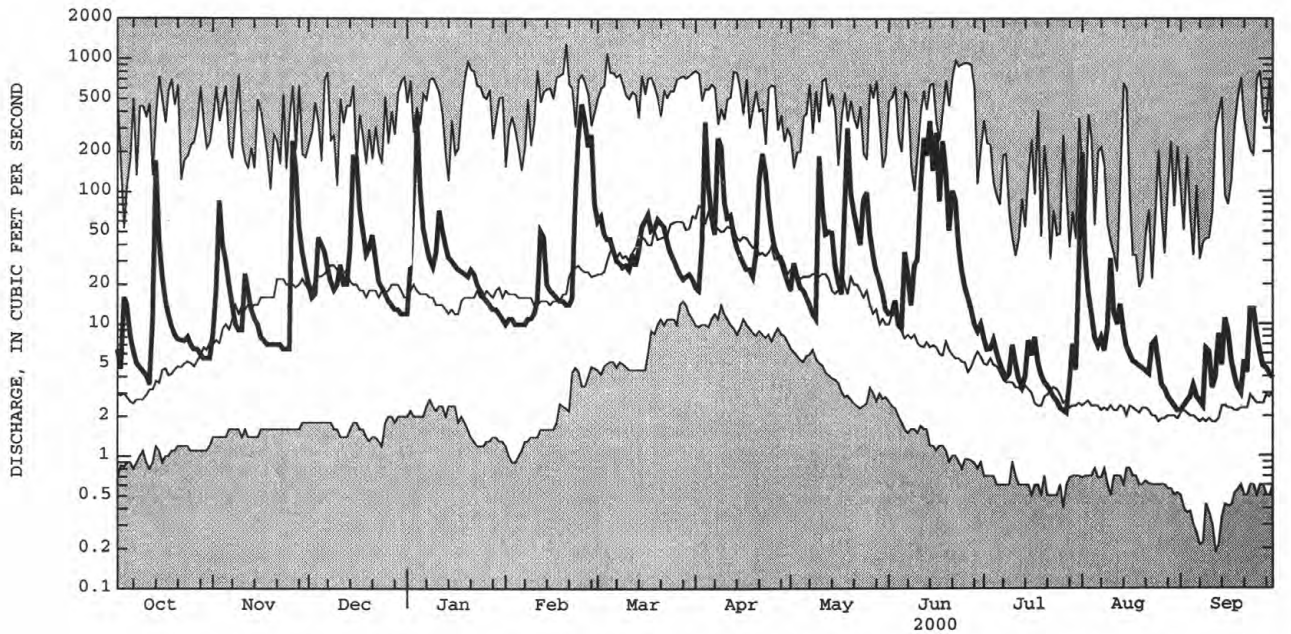
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	16.6	30.0	38.5	38.1	45.6	85.1	82.7	40.5	27.1	7.97	6.30	10.1
MAX	98.4	106	132	121	195	188	205	144	245	46.2	58.6	151
(WY)	1977	1951	1973	1998	1976	1942	1993	1943	1972	1992	1984	1977
MIN	1.09	1.62	1.67	1.85	8.28	24.9	10.9	5.81	1.57	.82	.88	.59
(WY)	1942	1961	1961	1961	1958	1981	1946	1955	1955	1955	1966	1995

e Estimated

01521500 CANISTEO RIVER AT ARKPORT, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1937 - 2000	
ANNUAL TOTAL	10031.4		14220.1			
ANNUAL MEAN	27.5		38.9		35.6	
HIGHEST ANNUAL MEAN					55.9	1972
LOWEST ANNUAL MEAN					20.9	1955
HIGHEST DAILY MEAN	617	Jan 24	456	Feb 25	1300	Feb 20 1939
LOWEST DAILY MEAN	1.0	Aug 7	2.1	Jul 27	.19	Sep 12 1995
ANNUAL SEVEN-DAY MINIMUM	1.1	Aug 6	2.5	Aug 28	.28	Sep 7 1995
10 PERCENT EXCEEDS	71		86		77	
50 PERCENT EXCEEDS	9.6		17		12	
90 PERCENT EXCEEDS	1.6		4.2		1.7	



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

01523500 CANACADEA CREEK NEAR HORNELL, NY

LOCATION.--Lat 42°20'05", long 77°41'00", Steuben County, Hydrologic Unit 02050104, on right bank 35 ft downstream from bridge on State Highway 21, 1.2 mi west of Hornell, 1.5 mi downstream from Almond Dam, and 2.0 mi upstream from mouth.
DRAINAGE AREA.--57.9 mi^2.
PERIOD OF RECORD.--October 1940 to December 1942, October 1944 to current year.
REVISED RECORDS.--WSP 2103: Drainage area. WRD NY 1971: 1969(M).
GAGE.--Water-stage recorder and concrete control. Datum of gage is 1,185.68 ft above sea level. Oct. 23, 1940 to Dec. 31, 1942, at site 185 ft upstream at different datum.
REMARKS.--Records fair. Since October 1948, floodflows regulated by detention in Almond Lake (see station 01523000). Occasional regulation at low flows to clear debris from gates at Almond Lake. Monthly figures for 1952-66 water years adjusted for regulation. Satellite gage-height telemeter at station. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,430 ft^3/s, May 17, 1945, gage height, 5.14 ft, from rating curve extended above 3,400 ft^3/s; maximum gage height, 6.65 ft, June 3, 1947; minimum discharge, 3.4 ft^3/s, Oct. 2, 1941. Maximum discharge since construction of Almond Reservoir in 1949, 5,880 ft^3/s, June 23, 1972, gage height 6.14 ft; minimum discharge, 0.5 ft^3/s, May 29, 1965.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of July 8, 1935, reached a stage of 16.61 ft, from floodmarks, discharge, 21,000 ft^3/s, on basis of slope-area measurement of peak flow.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 879 ft^3/s, June 14, gage height, 2.70 ft; minimum discharge, 2.5 ft^3/s, Aug. 22, 23.

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	10	38	17	25	e200	45	41	26	15	176	5.8
2	32	11	38	20	e14	e160	38	42	27	15	94	4.0
3	15	79	35	200	e14	e140	49	52	50	16	59	11
4	19	77	48	494	21	e120	437	44	55	17	48	9.4
5	46	58	69	309	13	e90	379	38	33	22	30	4.8
6	33	44	70	115	e8.0	e70	150	38	68	14	15	7.0
7	20	37	49	71	15	e60	75	38	62	14	16	8.2
8	13	32	38	63	e14	e70	312	37	56	17	18	6.1
9	12	28	34	63	e7.5	e60	575	32	35	10	17	7.9
10	12	20	31	65	7.5	e55	289	279	27	6.0	41	15
11	12	28	37	91	28	e55	135	304	30	18	27	31
12	12	35	41	112	50	e80	133	69	240	21	16	24
13	29	31	35	63	40	e80	96	120	235	11	16	18
14	202	26	61	43	e37	e35	79	185	573	5.7	25	18
15	172	26	264	33	e34	e60	60	100	599	60	22	18
16	50	19	329	42	e33	e90	50	41	206	50	18	27
17	22	15	149	37	e30	e100	74	45	160	8.4	13	22
18	22	15	83	30	e27	e95	53	68	241	6.0	11	15
19	22	15	49	30	e23	e98	35	504	529	6.0	11	7.8
20	18	15	43	36	e20	e110	105	483	182	6.0	11	12
21	15	15	46	45	17	e86	169	230	187	6.0	15	17
22	15	14	46	e22	45	e110	219	131	303	16	7.5	19
23	15	14	41	e12	99	e88	270	130	64	12	8.8	21
24	15	13	27	20	363	75	124	115	46	3.4	16	16
25	15	13	20	24	e760	75	66	116	44	13	12	12
26	15	403	20	18	e740	55	73	106	37	17	8.5	12
27	13	392	27	e16	e600	45	57	58	37	9.3	8.5	7.0
28	10	176	31	e23	e450	45	65	48	37	11	8.5	3.9
29	9.9	77	31	e15	e320	45	54	40	22	15	8.5	7.0
30	10	42	19	e9.0	---	45	48	35	15	16	8.5	10
31	10	---	12	20	---	45	---	29	---	11	8.8	---
TOTAL	943.9	1780	1861	2158.0	3855.0	2542	4314	3598	4226	467.8	794.6	396.9
MEAN	30.4	59.3	60.0	69.6	133	82.0	144	116	141	15.1	25.6	13.2
MAX	202	403	329	494	760	200	575	504	599	60	176	31
MIN	9.9	10	12	9.0	7.5	35	35	29	15	3.4	7.5	3.9

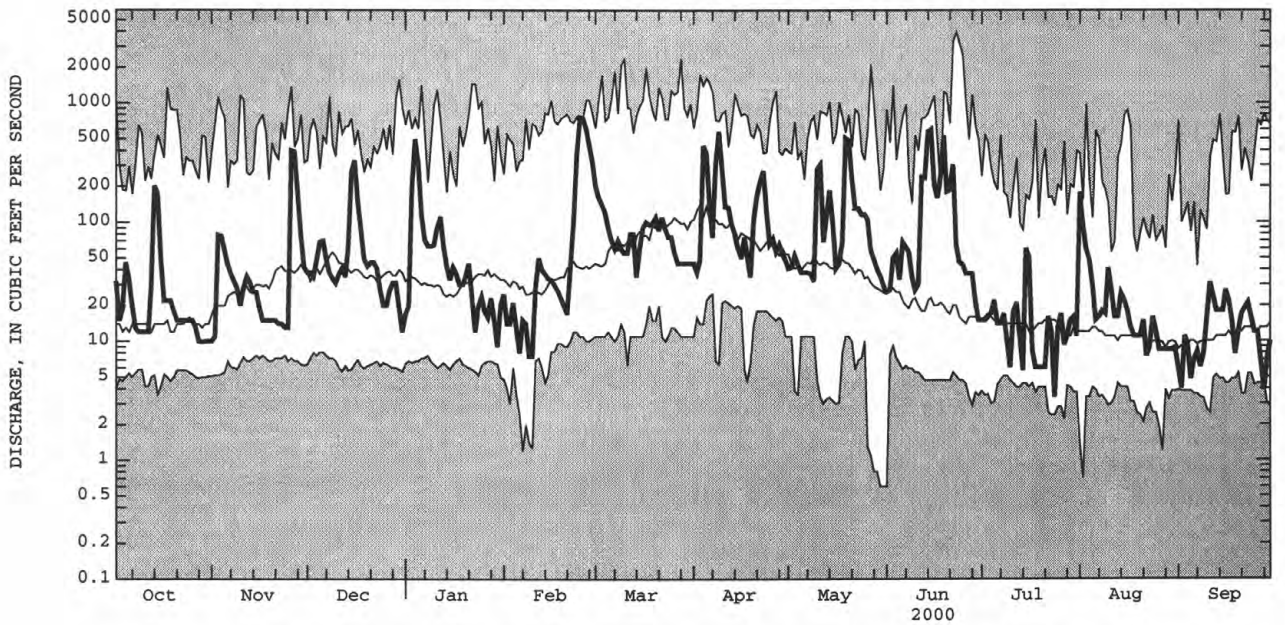
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	34.3	60.2	70.7	69.7	81.6	145	145	71.4	57.3	23.0	19.1	25.8
MAX	139	193	218	215	278	306	470	215	547	111	128	198
(WY)	1977	1951	1973	1996	1976	1956	1993	1984	1972	1972	1984	1977
MIN	7.07	9.16	7.13	6.55	17.7	33.4	46.0	15.5	5.24	4.63	5.13	6.09
(WY)	1950	1961	1961	1961	1980	1969	1955	1955	1965	1965	1965	1955

e Estimated

01523500 CANACADEA CREEK NEAR HORNELL, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1949 - 2000	
ANNUAL TOTAL	17909.5		26937.2			
ANNUAL MEAN	49.1		73.6		66.7	
HIGHEST ANNUAL MEAN					110	1972
LOWEST ANNUAL MEAN					36.9	1965
HIGHEST DAILY MEAN	621	Jan 25	760	Feb 25	3970	Jun 23 1972
LOWEST DAILY MEAN	2.4	Jul 23	3.4	Jul 24	.60	May 30 1965
ANNUAL SEVEN-DAY MINIMUM	3.6	Jul 21	7.2	Sep 1	.83	May 26 1965
10 PERCENT EXCEEDS	123		186		147	
50 PERCENT EXCEEDS	21		35		27	
90 PERCENT EXCEEDS	6.3		10		8.2	



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.

01524500 CANISTEO RIVER BELOW CANACADEA CREEK, AT HORNELL, NY

LOCATION.--Lat 42°18'50", long 77°39'05", Steuben County, Hydrologic Unit 02050104, on right bank 235 ft upstream from Erie Railroad bridge in Hornell, 0.3 mi upstream from Crosby Creek, and 1.5 mi downstream from Canacadea Creek.
DRAINAGE AREA.--158 mi^2.
PERIOD OF RECORD.--August 1942 to current year.
REVISED RECORD--WDR NY-86-3: 1971 (including minimum daily).
GAGE.--Water-stage recorder and concrete control. Datum of gage is 1,131.32 ft above sea level.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Diversion from Carrington Creek, a tributary upstream from station, by City of Hornell for municipal supply (2000 average 3.36 ft^3/s); effluent from wastewater treatment plant enters river downstream from gage. Since Nov. 1939, flood flows regulated by Arkport Reservoir (see station 01521000), and, since October 1948, by Almond Lake (see station 01523000); normal regulation occasionally sufficient to affect figures of monthly runoff. Telephone and satellite gage-height telemeters at station. Several measurements of water temperature were made during the year.
COOPERATION.--Records of diversion from Carrington Creek furnished by City of Hornell.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 9,340 ft^3/s, May 26, 1943, from rating curve extended above 7,600 ft^3/s on a basis of critical-depth measurement of peak flow; minimum discharge, 9.3 ft^3/s, Mar. 4, 1947. Maximum discharge since construction of Almond Reservoir in 1949, 9,560 ft^3/s, June 23, 1972, gage height, 13.45 ft, from floodmark, from rating curve extended above 7,600 ft^3/s on a basis of critical-depth measurement of peak flow; minimum discharge, 7.4 ft^3/s, Sep. 13, 14, 1955.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,000 ft^3/s, Feb. 25, gage height, 4.05 ft; minimum discharge, 22 ft^3/s, July 28.

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	65	28	91	46	e60	369	104	117	81	71	642	30
2	53	31	85	55	e52	331	96	132	84	66	215	31
3	33	147	82	330	e46	267	128	132	108	65	122	33
4	54	132	117	1050	54	230	955	115	105	69	102	35
5	79	103	143	587	e50	205	625	105	81	66	75	28
6	60	81	135	248	e42	173	316	98	152	57	53	28
7	41	64	109	173	e50	143	216	93	138	49	61	30
8	32	55	88	143	e48	139	780	88	109	52	58	27
9	29	49	77	138	e55	153	1160	81	107	49	64	59
10	29	44	73	158	49	137	544	482	117	47	168	53
11	28	54	92	253	71	134	326	498	161	48	91	58
12	27	63	90	241	e100	174	317	203	711	50	66	53
13	52	57	80	156	e100	160	246	296	600	41	69	62
14	401	49	112	118	103	147	203	342	1240	44	69	50
15	242	47	491	110	98	204	171	207	863	156	61	69
16	100	41	634	121	83	235	148	122	772	107	53	73
17	56	35	301	118	78	293	160	113	394	56	46	58
18	50	34	186	e90	70	235	147	159	674	45	41	43
19	47	34	126	e80	70	254	120	985	965	40	40	36
20	42	33	119	85	59	295	178	713	370	37	38	35
21	38	33	140	e100	60	254	410	407	432	37	41	52
22	37	33	118	e75	87	273	568	282	572	42	36	47
23	37	32	e82	e55	249	219	591	247	220	41	41	55
24	36	32	e68	e60	918	181	360	307	155	29	49	65
25	35	32	e58	e65	1790	170	233	356	138	35	41	50
26	34	559	e52	e60	1630	145	208	252	118	40	35	44
27	32	632	59	e58	1210	123	174	164	109	33	34	36
28	29	280	e65	e54	1250	120	176	135	100	40	33	31
29	28	163	65	e50	558	117	149	118	85	52	33	32
30	28	108	53	e45	---	116	129	101	79	45	32	35
31	28	---	42	54	---	111	---	87	---	69	31	---
TOTAL	1882	3085	4033	4976	9090	6107	9938	7537	9840	1678	2540	1338
MEAN	60.7	103	130	161	313	197	331	243	328	54.1	81.9	44.6
MAX	401	632	634	1050	1790	369	1160	985	1240	156	642	73
MIN	27	28	42	45	42	111	96	81	79	29	31	27

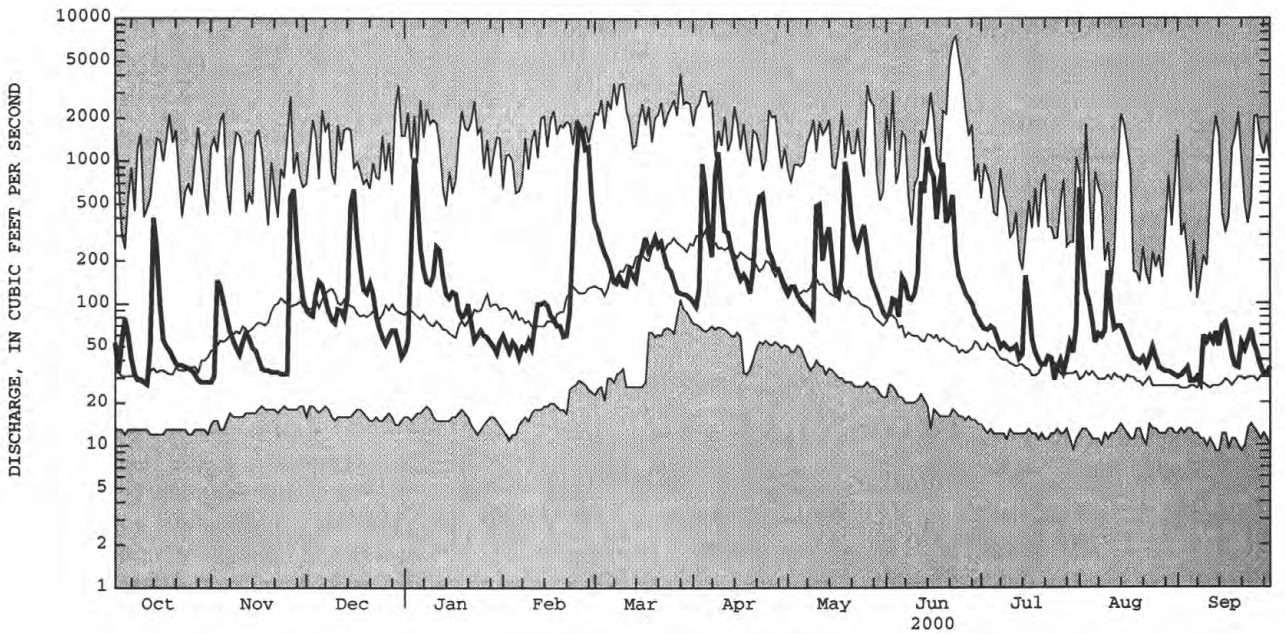
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	77.3	129	159	161	188	356	344	198	142	56.0	47.2	59.5
MAX	304	455	551	499	722	826	877	696	1226	249	303	498
(WY)	1977	1951	1973	1998	1976	1945	1993	1943	1972	1972	1984	1977
MIN	13.5	17.9	16.6	15.6	35.6	111	66.6	42.4	20.1	13.8	13.2	11.7
(WY)	1965	1965	1961	1961	1963	1969	1946	1955	1955	1955	1965	1955

e Estimated

01524500 CANISTEO RIVER BELOW CANACADEA CREEK, AT HORNELL, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1942 - 2000	
ANNUAL TOTAL	42249.3		62044			
ANNUAL MEAN	116		170		159	
HIGHEST ANNUAL MEAN					255	1972
LOWEST ANNUAL MEAN					79.8	1965
HIGHEST DAILY MEAN	1560	Jan 24	1790	Feb 25	7440	Jun 23 1972
LOWEST DAILY MEAN	9.3	Jul 30	27	Oct 12	9.0	Sep 13 1955
ANNUAL SEVEN-DAY MINIMUM	13	Aug 2	29	Oct 27	10	Sep 8 1955
10 PERCENT EXCEEDS	313		396		350	
50 PERCENT EXCEEDS	51		85		70	
90 PERCENT EXCEEDS	16		34		22	



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

01526500 TIOGA RIVER NEAR ERWINS, NY

LOCATION.--Lat 42°07'16", long 77°07'46", Steuben County, Hydrologic Unit 02050104, on right bank 20 ft downstream from bridge on Mulholland Road, 1.1 mi northeast of Erwins, and 1.1 mi downstream from Canisteo River.
DRAINAGE AREA.--1,377 mi^2.
PERIOD OF RECORD.--July 1918 to current year.
REVISED RECORDS.--WSP 891: 1935-38. WSP 1672: 1919(M), 1927(M), 1929(M). WSP 2103: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 931.24 ft above sea level. Prior to June 21, 1931, nonrecording gage on highway bridge at same datum.
REMARKS.--Records good except those for estimated daily discharges, which are fair. High flows regulated by upstream reservoirs. Since March 1979, flood flows regulated by Tioga Lake; normal regulation occasionally sufficient to affect figures of monthly runofff. Telephone and satellite gage-height telemeters at station. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 190,000 ft^3/s, June 23, 1972, from rating curve extended above 90,000 ft^3/s, on basis of computation of peak flow at Lindley and Canisteo River at Erwins, 7.2 mi and 2.0 mi upstream, respectively, adjusted for flow from intervening area, gage height, 26.74 ft, from floodmarks; minimum discharge, 18 ft^3/s, Sept. 2, 3, 1939; minimum gage height, 0.40 ft, Sep. 8, 9, 1954, July 23, Aug. 10, 11, 1955. Maximum discharge since construction of Tioga Reservoir in 1979, 45,600 ft^3/s, Jan. 19, 1996, gage height 16.98 ft; minimum discharge, 52 ft^3/s, Oct. 1, 2, 6, 1980, gage height, 0.53 ft; minimum gage height, 0.44 ft, Sep. 3, 4, 1991.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 16,200 ft^3/s, Feb. 28, gage height, 10.04 ft; minimum discharge, 117 ft^3/s, Sep. 8, gage height, 0.51 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	929	175	1230	524	e420	5500	1010	1310	880	603	453	128
2	566	178	892	513	e410	3980	941	1190	834	533	811	130
3	489	187	918	613	e400	2990	1670	1250	907	490	421	260
4	342	325	817	3100	e400	2160	8790	1100	731	484	317	153
5	354	327	922	3670	e390	2140	9390	1040	746	459	272	161
6	378	285	970	1890	e380	2050	6310	923	1290	419	238	137
7	316	267	889	1310	e360	1630	3300	873	1380	350	306	124
8	261	242	734	1170	e360	1420	4850	793	942	315	614	119
9	249	234	643	1110	e380	1400	10100	704	776	268	337	128
10	243	223	689	1100	e410	1330	6910	1170	611	268	557	163
11	237	222	591	1670	e440	1300	4380	1830	579	261	550	170
12	230	217	533	1870	e500	2100	3530	1330	981	245	405	160
13	202	238	540	1450	e550	2150	2790	1720	2110	240	296	191
14	464	235	703	996	e700	1740	2160	1960	10400	234	280	207
15	778	221	3800	e750	e1100	1660	1910	1570	6030	239	264	220
16	595	216	4220	e700	e1200	1630	1660	1060	4910	355	289	268
17	457	214	3080	e700	1030	3110	1760	819	3620	353	225	290
18	375	203	1950	e650	922	2320	3130	804	2740	287	206	223
19	309	199	1590	e580	855	2130	3020	6590	4520	238	182	175
20	282	190	1260	e700	811	2160	2240	6280	2910	224	173	154
21	250	189	1290	e600	754	2150	3110	4200	1930	195	166	150
22	232	190	1240	e580	700	5120	5260	3460	3370	187	161	158
23	228	188	993	e540	e1200	3200	7190	3190	2110	179	173	162
24	223	191	758	e520	e5000	2470	4950	4680	1330	182	168	158
25	217	194	e620	e500	11400	2270	3190	5160	1020	168	178	171
26	213	1080	e600	e490	12600	2120	2560	3270	1220	159	167	162
27	212	6850	e590	e470	11700	2070	2190	2290	1610	155	147	153
28	193	3300	e570	e450	13300	1800	2100	1710	1080	161	139	146
29	184	2050	e570	e440	8540	1370	1810	1560	755	158	136	136
30	178	1540	570	e430	---	1320	1510	1370	656	203	133	131
31	175	---	561	e430	---	1230	---	995	---	201	130	---
TOTAL	10361	20370	35333	30516	77212	70020	113721	66201	62978	8813	8894	5088
MEAN	334	679	1140	984	2662	2259	3791	2136	2099	284	287	170
MAX	929	6850	4220	3670	13300	5500	10100	6590	10400	603	811	290
MIN	175	175	533	430	360	1230	941	704	579	155	130	119

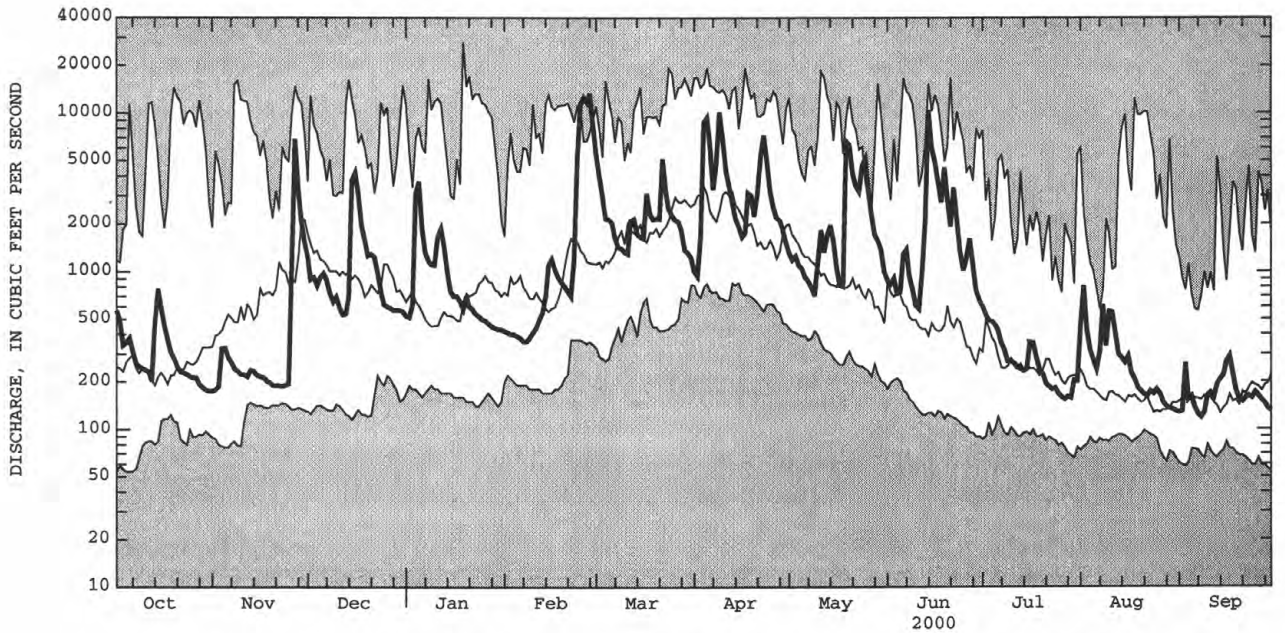
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	720	1264	1489	1412	1830	2773	3477	1773	1170	485	445	342
MAX	4160	4401	3545	4870	4219	5737	11970	4689	4579	1169	3257	1156
(WY)	1991	1997	1997	1996	1981	1994	1993	1989	1989	1998	1994	1992
MIN	96.5	139	155	165	340	843	1320	371	142	95.9	104	72.0
(WY)	1992	1999	1999	1981	1980	1981	1981	1985	1999	1991	1991	1980

e Estimated

01526500 TIOGA RIVER NEAR ERWINS, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1980 - 2000	
ANNUAL TOTAL	339154		509507			
ANNUAL MEAN	929		1392		1427	
HIGHEST ANNUAL MEAN					2192	1984
LOWEST ANNUAL MEAN					786	1999
HIGHEST DAILY MEAN	12000	Jan 24	13300	Feb 28	28000	Jan 19 1996
LOWEST DAILY MEAN	83	Aug 10	119	Sep 8	52	Oct 1 1980
ANNUAL SEVEN-DAY MINIMUM	87	Aug 6	135	Aug 27	55	Sep 30 1980
10 PERCENT EXCEEDS	2560		3320		3410	
50 PERCENT EXCEEDS	308		614		602	
90 PERCENT EXCEEDS	103		172		133	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.

SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

01529500 COHOCTON RIVER NEAR CAMPBELL, NY

LOCATION.--Lat 42°15'09", long 77°13'01", Steuben County, Hydrologic Unit 02050105, on left bank just downstream from bridge on town road at junction with County Highway 125, 1.9 mi upstream from Michigan Creek, and 2.0 mi north of Campbell.
DRAINAGE AREA.--470 mi^2.
PERIOD OF RECORD.--July 1918 to current year.
REVISED RECORDS.--WSP 891: 1935. WSP 1302: 1919-20(M), 1927-28(M), 1928-38 (monthly runoff). WSP 2103: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 1,016.34 ft above sea level. Prior to Mar. 5, 1937, nonrecording gage on highway bridge.
REMARKS.--Records good except those for estimated daily discharges, which are fair. During each year since March 1931, a large part of flow from 45.5 mi^2 of drainage area upstream from Lake Lamoka on Mud Creek, a tributary upstream from this station, has been diverted into Keuka Lake (Oswego River basin), for power development. Telephone and satellite gage-height telemeters at station. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 41,100 ft^3/s, July 8, 1935, gage height, 11.6 ft, from floodmark, from rating curve extended above 25,000 ft^3/s on basis of velocity-area and slope-area measurements of peak flow; minimum discharge, 8 ft^3/s, Sep. 6, 7, 1934.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 28	0530	*5,400	*5.37	No other peak greater than base discharge.			

Minimum discharge, 49 ft^3/s, Oct. 13.

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	123	74	382	e200	e200	2110	368	499	339	252	870	68
2	85	77	356	e200	e200	1820	341	513	316	220	630	76
3	65	103	307	e300	e200	1460	441	480	322	202	402	94
4	78	118	311	1230	e200	1190	2530	424	273	224	323	86
5	122	105	336	1250	e190	1040	1920	388	251	203	228	79
6	95	93	292	756	e190	913	1370	343	357	176	157	72
7	81	85	261	626	e180	735	1110	315	368	161	159	66
8	72	81	240	527	e180	660	1710	302	290	149	179	62
9	64	77	212	458	e190	630	2680	288	252	144	220	87
10	61	75	201	458	e200	598	2040	390	295	161	677	137
11	59	82	220	730	e210	559	1630	639	247	148	341	105
12	54	97	208	746	e240	651	1230	550	e1800	129	277	90
13	52	97	194	611	e260	583	912	1100	e1500	120	247	160
14	520	89	221	e440	e290	620	873	1440	2520	e120	210	129
15	380	85	661	e400	e310	658	829	935	1530	e130	182	130
16	273	79	1150	e370	e280	600	759	722	1890	e150	160	146
17	212	75	845	e350	e250	703	705	616	1160	e180	160	128
18	182	111	603	e330	e230	597	714	556	1160	149	154	104
19	165	155	438	e390	e210	655	688	1440	1530	130	138	91
20	147	154	402	e350	e210	728	649	1230	913	123	116	83
21	132	153	459	e290	e200	719	1140	977	1170	113	102	85
22	118	152	432	e270	e190	744	1610	886	1770	110	97	91
23	115	148	e370	e270	e300	642	1980	877	1100	102	103	84
24	118	107	e265	e260	e1000	588	1610	945	788	97	129	232
25	116	71	e250	e260	e3000	539	1170	1230	600	91	117	300
26	105	683	e240	e250	4280	500	887	1000	532	85	98	252
27	96	1330	e230	e240	3960	449	787	799	487	88	90	201
28	89	705	e195	e230	4450	435	728	686	392	89	85	165
29	85	452	e210	e220	2780	409	635	615	298	95	81	143
30	81	440	e210	e210	---	432	556	545	279	109	76	130
31	76	---	e200	e210	---	414	---	411	---	110	71	---
TOTAL	4021	6153	10901	13432	24580	23381	34602	22141	24729	4360	6879	3676
MEAN	130	205	352	433	848	754	1153	714	824	141	222	123
MAX	520	1330	1150	1250	4450	2110	2680	1440	2520	252	870	300
MIN	52	71	194	200	180	409	341	288	247	85	71	62
CFSM	.28	.44	.75	.92	1.80	1.60	2.45	1.52	1.75	.30	.47	.26
IN.	.32	.49	.86	1.06	1.95	1.85	2.74	1.75	1.96	.35	.54	.29

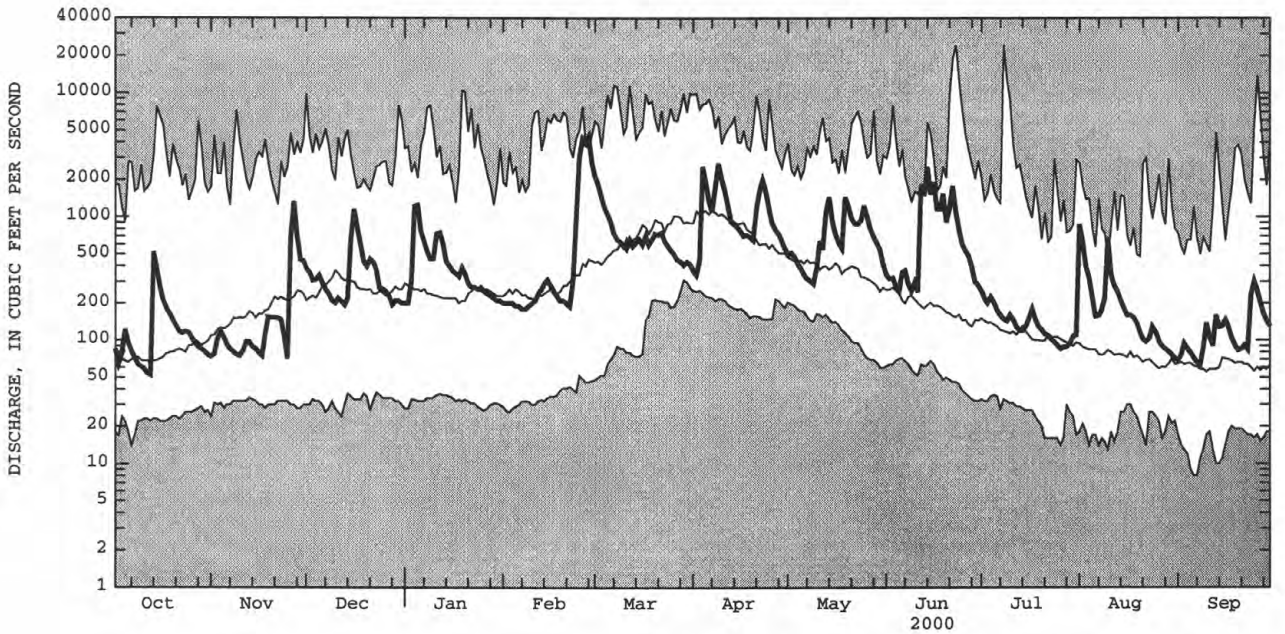
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1918 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	188	337	428	423	495	1111	1129	609	342	184	120	135
MAX	1284	1611	1861	1586	2059	3793	3579	2074	3167	2278	649	1204
(WY)	1956	1928	1928	1998	1976	1936	1993	1919	1972	1935	1992	1977
MIN	25.7	33.0	42.5	32.5	75.1	312	201	143	59.2	31.1	25.0	15.5
(WY)	1942	1942	1961	1961	1920	1965	1946	1934	1955	1955	1934	1934

e Estimated

01529500 COHOCTON RIVER NEAR CAMPBELL, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1918 - 2000	
ANNUAL TOTAL	122081		178855			
ANNUAL MEAN	334		489		458	
HIGHEST ANNUAL MEAN					766	1956
LOWEST ANNUAL MEAN					210	1965
HIGHEST DAILY MEAN	5600	Jan 24	4450	Feb 28	24400	Jul 8 1935
LOWEST DAILY MEAN	17	Sep 6	52	Oct 13	8.0	Sep 6 1934
ANNUAL SEVEN-DAY MINIMUM	21	Aug 31	63	Oct 7	11	Sep 3 1934
ANNUAL RUNOFF (CFSM)	.71		1.04		.97	
ANNUAL RUNOFF (INCHES)	9.66		14.16		13.23	
10 PERCENT EXCEEDS	898		1160		1100	
50 PERCENT EXCEEDS	122		260		208	
90 PERCENT EXCEEDS	39		85		50	



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

01529950 CHEMUNG RIVER AT CORNING, NY

LOCATION.--Lat 42°08'47", long 77°03'28", Steuben County, Hydrologic Unit 02050105, on right bank adjacent to Corning Glass Works power plant, 0.2 mi upstream from bridge on State Highway 414 (Centerway St.) at Corning, and 1.7 mi downstream from Cohocton River.
DRAINAGE AREA.--2,006 mi^2.
PERIOD OF RECORD.--Occasional discharge measurements water years 1941, 1968-69. October 1974 to current year.
REVISED RECORDS.--WRD NY-78-1: 1976, 1977(M). WDR NY-83-3: 1982(M).
GAGE.--Water-stage recorder. Datum of gage is 900.00 ft above sea level.
REMARKS.--Records fair. High flows significantly regulated by upstream reservoirs. During each year a large part of flow from 45.5 mi^2 of drainage area is diverted upstream from Lake Lamoka on Mud Creek, an upstream tributary, into Keuka Lake (Oswego River basin) for power development. Telephone and satellite gage-height telemeters at station. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 127,000 ft^3/s, Sep. 26, 1975, gage height, 32.46 ft; minimum discharge, 210 ft^3/s, Aug. 1978, Maximum discharge since construction of Tioga Reservoir in 1979, 61,000 ft^3/s, Jan. 19, 1996; minimum discharge, 95 ft^3/s, Sep. 9, 10, 23, 24, 1991, gage height, 14.30 ft.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 23, 1972, reached a stage of 40.71 ft, from floodmark; discharge 228,000 ft^3/s, from peak flows determined at upstream and downstream stations adjusted for drainage area and channel storage.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 23,500 ft^3/s, Feb. 28, gage height, 22.08 ft; minimum discharge, 197 ft^3/s, Sep. 8, gage height, 14.54 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	1150	260	1800	771	e680	8300	1540	2140	1330	887	1050	223
2	710	266	1350	746	e680	6320	1410	1970	1240	762	1660	222
3	584	281	e1350	920	e660	4950	2230	1970	1310	696	879	355
4	439	386	e1300	4400	e660	3870	13000	1720	1050	701	638	262
5	467	414	e1400	5560	e640	3670	12500	1610	1010	672	503	254
6	484	360	e1400	3200	e640	3460	8520	1410	1700	595	399	234
7	420	339	e1300	2340	e600	2860	5070	1310	1970	509	430	214
8	360	317	e1200	2030	e600	2510	6900	1200	1330	462	799	202
9	337	309	e1100	1860	e650	2440	14200	1070	1080	422	509	219
10	325	300	e1000	1810	e700	2290	9930	2540	923	429	1260	294
11	311	299	884	2870	e750	2200	6700	3500	846	415	960	294
12	304	304	859	3160	e850	3110	5430	2570	2580	383	705	264
13	289	327	788	2540	e900	3200	4320	3460	4060	370	540	320
14	754	315	1040	e1800	e1050	2780	3560	4010	15700	361	480	343
15	1240	297	5360	e1300	e1600	2750	3250	3110	8780	450	427	345
16	890	288	6490	e1200	e1750	2650	2890	2220	7480	543	430	390
17	663	288	5020	e1100	e1500	4150	2850	1730	5440	534	368	422
18	539	284	3450	e1000	e1350	3340	4200	1570	4210	438	348	338
19	461	328	2790	e1000	e1250	3190	4210	8760	6860	372	317	284
20	419	323	2250	e1200	e1200	3300	3300	8660	4390	350	291	254
21	379	323	2300	e1000	e1100	3200	4530	5860	3250	321	273	248
22	347	326	2110	e950	e1050	6320	7270	4840	5780	308	263	257
23	334	308	1560	e900	e1600	4330	9970	4550	3670	294	276	263
24	327	288	e1200	e880	e6500	3470	7280	6110	2510	292	292	317
25	325	257	e1000	e850	16500	3230	4990	7140	1830	278	294	457
26	316	1190	e1000	e820	18700	3020	4000	4800	1890	264	270	415
27	304	8610	e950	e800	17200	2920	3450	3550	2370	258	246	357
28	289	4440	e900	e750	19300	2640	3280	2770	1640	267	236	315
29	276	2930	e900	e720	12400	2050	2890	2520	1140	265	229	286
30	269	2240	e900	e700	---	1990	2460	2200	987	310	224	269
31	263	---	843	e700	---	1870	---	1580	---	315	224	---
TOTAL	14575	27197	55794	49877	113060	106380	166130	102450	98356	13523	15820	8917
MEAN	470	907	1800	1609	3899	3432	5538	3305	3279	436	510	297
MAX	1240	8610	6490	5560	19300	8300	14200	8760	15700	887	1660	457
MIN	263	257	788	700	600	1870	1410	1070	846	258	224	202

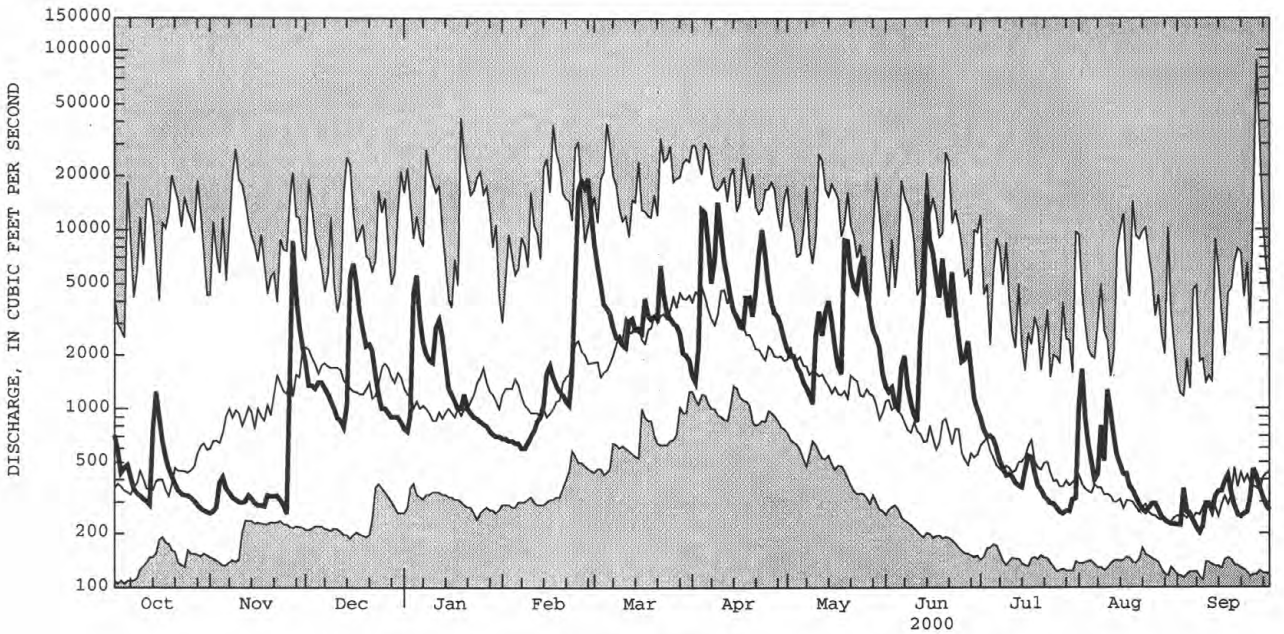
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1203	1830	2256	2237	2730	4363	4690	2565	1624	736	625	847
MAX	5478	6124	5297	6879	7993	9533	16150	6692	5835	2057	3388	5569
(WY)	1991	1997	1997	1996	1976	1979	1993	1989	1989	1998	1994	1975
MIN	157	226	240	328	537	1284	1599	549	214	173	153	141
(WY)	1992	1999	1999	1981	1980	1981	1981	1985	1999	1991	1999	1991

e Estimated

01529950 CHEMUNG RIVER AT CORNING, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1975 - 2000	
ANNUAL TOTAL	512874		772079			
ANNUAL MEAN	1405		2110		2136	
HIGHEST ANNUAL MEAN					3284	1978
LOWEST ANNUAL MEAN					1203	1999
HIGHEST DAILY MEAN	19500	Jan 24	19300	Feb 28	87100	Sep 26 1975
LOWEST DAILY MEAN	122	Sep 4	202	Sep 8	105	Oct 3 1980
ANNUAL SEVEN-DAY MINIMUM	130	Aug 31	229	Aug 27	108	Oct 2 1980
10 PERCENT EXCEEDS	4020		5040		4990	
50 PERCENT EXCEEDS	414		1000		984	
90 PERCENT EXCEEDS	148		284		232	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.

SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

01530500 NEWTOWN CREEK AT ELMIRA, NY

LOCATION.--Lat 42°06'16", long 76°47'54", Chemung County, Hydrologic Unit 02050105, on left bank 200 ft downstream from bridge on Linden Place in Elmira, and 1.5 mi upstream from mouth.
DRAINAGE AREA.--77.5 mi^2.
PERIOD OF RECORD.--May 1938 to current year.
REVISED RECORDS.--WSP 1502: 1956. WSP 2103: Drainage area. WRD NY 1974: 1973.
GAGE.--Water-stage recorder. Datum of gage is 838.35 ft above sea level.
REMARKS.-- Records good except those for estimated daily discharges, which are fair. Diurnal fluctuation at low flow caused by numerous industrial operations upstream. Since August 1989, high flows regulated by detention in upstream reservoir. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 4,000 ft^3/s, June 23, 1972 (backwater from Chemung River), maximum gage height, 19.28 ft, June 23, 1972, from floodmarks (backwater from Chemung River). Maximum discharge since construction of upstream reservoir in August 1989, 3,810 ft^3/s, Jan. 19, 1996, gage height 16.98 ft. Minimum instantaneous discharge not determined.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,490 ft^3/s, Feb. 28, gage height 11.09 ft; minimum discharge, 6.9 ft^3/s, Oct. 31, gage height, 4.16 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	40	7.6	59	e24	e22	240	69	62	56	39	21	13
2	23	10	50	28	e21	192	67	75	52	35	21	15
3	17	10	47	41	e23	151	192	65	48	33	18	13
4	14	9.5	50	184	e23	127	833	57	45	33	17	13
5	12	10	46	120	e22	110	369	54	42	31	16	12
6	13	10	45	64	e21	90	221	54	59	28	16	12
7	9.7	9.4	45	55	e20	74	161	50	59	27	18	11
8	9.3	9.3	39	49	20	70	240	52	49	25	16	12
9	8.9	9.6	34	47	23	67	558	49	44	25	16	13
10	10	9.9	32	59	25	62	306	114	42	25	34	13
11	8.7	9.5	34	177	34	59	242	118	44	23	26	12
12	9.7	9.4	31	128	50	129	197	97	264	22	22	17
13	8.9	9.5	29	89	40	95	156	205	184	21	19	19
14	21	9.0	78	70	67	78	130	329	433	22	17	14
15	38	8.9	376	64	121	69	111	149	217	24	16	15
16	25	9.2	256	e60	78	64	95	107	196	25	16	14
17	18	9.1	149	e45	64	107	89	78	262	24	15	13
18	15	9.2	106	42	57	79	314	74	216	23	15	13
19	13	9.0	75	44	54	79	247	317	248	21	14	12
20	12	9.2	69	e40	50	69	171	252	137	20	14	13
21	11	9.3	104	e37	46	70	201	192	141	21	14	13
22	10	9.3	69	e33	47	107	360	166	247	22	13	12
23	10	9.3	55	e33	104	79	335	149	118	19	17	12
24	9.1	8.5	43	e32	267	69	218	474	80	18	16	12
25	8.9	8.9	e35	e29	620	69	164	422	65	18	15	11
26	10	121	e32	e29	789	108	132	219	58	18	13	10
27	10	697	e30	e27	802	72	114	155	56	17	13	10
28	10	169	e27	e25	1110	170	103	119	51	17	13	10
29	9.7	103	e27	e24	379	132	83	93	47	26	14	11
30	8.6	73	e26	e23	---	99	69	72	45	20	14	11
31	7.4	---	e25	e22	---	79	---	63	---	19	14	---
TOTAL	430.9	1395.6	2123	1744	4999	3065	6547	4482	3605	741	523	381
MEAN	13.9	46.5	68.5	56.3	172	98.9	218	145	120	23.9	16.9	12.7
MAX	40	697	376	184	1110	240	833	474	433	39	34	19
MIN	7.4	7.6	25	22	20	59	67	49	42	17	13	10

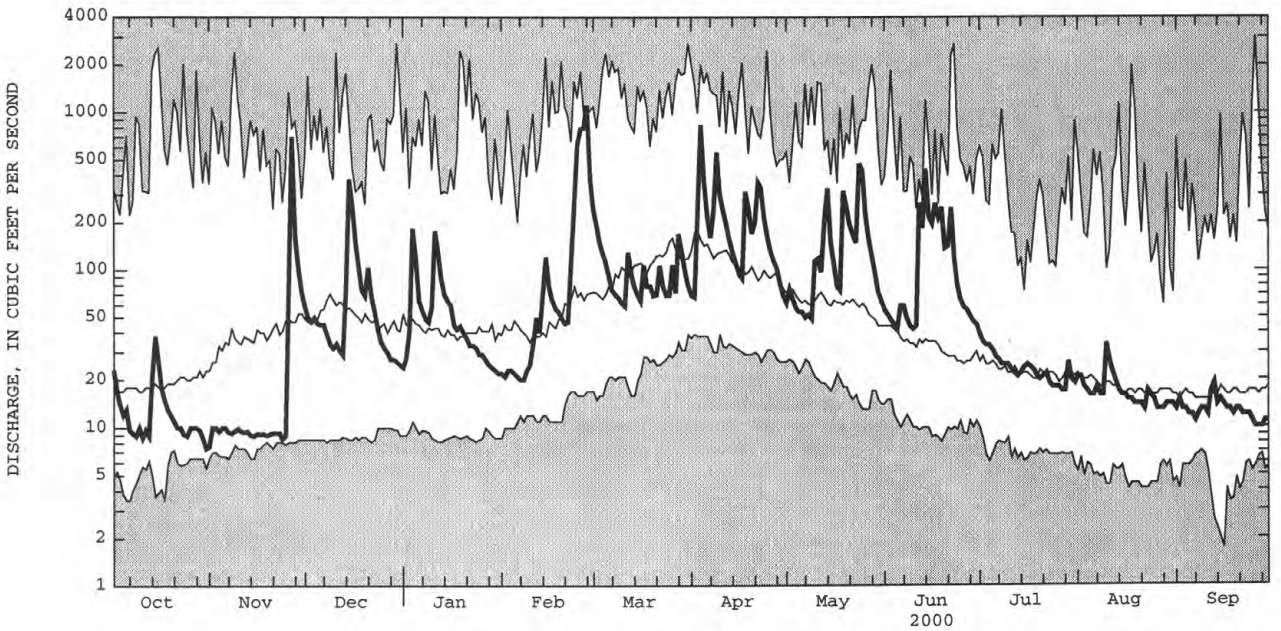
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	57.2	97.1	97.3	113	105	172	221	92.1	61.0	38.1	36.6	26.2
MAX	183	295	248	269	205	310	747	249	142	105	171	108
(WY)	1991	1997	1997	1996	1990	1994	1993	1996	1996	1992	1994	1992
MIN	9.27	10.0	11.8	43.8	23.2	63.5	87.5	24.5	11.1	7.30	7.25	8.28
(WY)	1998	1999	1999	1997	1993	1990	1997	1999	1999	1991	1991	1991

e Estimated

01530500 NEWTOWN CREEK AT ELMIRA, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1990 - 2000	
ANNUAL TOTAL	21380.5		30036.5			
ANNUAL MEAN	58.6		82.1		92.8	
HIGHEST ANNUAL MEAN					133	1993
LOWEST ANNUAL MEAN					50.9	1999
HIGHEST DAILY MEAN	1860	Mar 4	1110	Feb 28	2470	Jan 19 1996
LOWEST DAILY MEAN	6.1	Aug 30	7.4	Oct 31	4.9	Aug 3 1991
ANNUAL SEVEN-DAY MINIMUM	7.2	Aug 25	9.0	Oct 29	6.0	Aug 12 1991
10 PERCENT EXCEEDS	136		202		190	
50 PERCENT EXCEEDS	16		39		42	
90 PERCENT EXCEEDS	8.5		10		10	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.

SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

01531000 CHEMUNG RIVER AT CHEMUNG, NY

LOCATION.--Lat 42°00'08", long 76°38'06", Chemung County, Hydrologic Unit 02050105, on right bank 100 ft upstream from bridge on State Highway 427, 0.7 mi southwest of Chemung, and 10.0 mi upstream from mouth.
DRAINAGE AREA.--2,506 mi^2.
PERIOD OF RECORD.--September 1903 to current year (gage heights only for some winter periods).
REVISED RECORDS.--WSP 891: 1935-39. WSP 1432: 1904, 1907, 1915. WSP 2103: Drainage area. WRD NY 1974: 1973.
GAGE.--Water-stage recorder. Datum of gage is 778.63 ft above sea level (levels by Corps of Engineers). Prior to Jan. 10, 1930, nonrecording gage on highway bridge 60 ft upstream at same datum.
REMARKS.--Records good except those for estimated daily discharges, which are fair. High flows significantly regulated by upstream reservoirs. During each year a large part of flow from 45.5 mi^2 of drainage area is diverted upstream from Lake Lamoka on Mud Creek, an upstream tributary, into Keuka Lake (Oswego River basin) for power development. Telephone and satellite gage-height telemeters at station. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 189,000 ft^3/s, June 23, 1972, gage height, 31.62 ft, from floodmark, from rating curve extended above 65,000 ft^3/s, on basis of slope-area and velocity-area studies at gage height 19.57 ft, and slope-area and contracted opening measurements at gage heights 23.97 and 31.62 ft; minimum discharge, 49 ft^3/s, Aug. 14, 1911, gage height, 1.47 ft. Maximum discharge since construction of Tioga Reservoir in 1979, 77,800 ft^3/s, Jan. 20, 1996, gage height 19.71 ft; minimum discharge, 104 ft^3/s, Sep. 3, 1991, gage height, 2.82 ft.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 30,500 ft^3/s, Feb. 28, gage height 12.79 ft; minimum discharge, 247 ft^3/s, Sep. 8, gage height 2.95 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	841	340	2270	993	e850	11600	2210	2780	1920	1370	433	274
2	1050	336	1750	952	e850	8420	1970	2590	1730	1240	1580	265
3	727	361	1560	1010	e850	6570	2360	2550	1690	1130	1230	287
4	633	352	1490	2670	e850	5050	14500	2360	1550	1060	879	383
5	510	471	1470	6500	e800	4390	17700	2210	1370	1030	731	306
6	539	477	1560	4190	e800	4070	11200	2030	1670	942	608	290
7	542	436	1530	2740	e750	3540	7520	1850	2400	855	545	272
8	472	412	1360	2340	e750	2990	6520	1750	1910	766	644	251
9	425	386	1160	2100	e800	2830	18200	1620	1510	706	768	263
10	414	379	1080	2040	e850	2680	13600	2220	1320	671	945	289
11	404	373	1080	2850	e900	2540	9480	4350	1210	639	e1300	335
12	379	365	988	3670	e1050	3300	7240	3130	1960	600	1070	356
13	367	367	925	3090	e1100	3930	5750	3590	4060	556	834	395
14	388	382	1070	e2200	e1300	3340	4670	4550	e17000	535	681	385
15	1120	376	5120	e1600	e2000	3140	4160	3790	12600	583	610	409
16	1140	360	7650	e1500	e2200	3030	3650	2890	8240	670	547	421
17	887	352	6200	e1400	e1900	4070	3420	2270	7720	738	522	446
18	719	352	4090	e1200	e1700	4320	5470	1980	5550	681	468	457
19	617	349	3160	e1300	e1600	3600	6350	5880	7550	586	446	391
20	547	389	2510	e1500	e1500	3680	4560	11900	6080	509	409	347
21	507	391	2510	e1300	e1400	3530	4900	7630	4170	496	378	320
22	461	393	2440	e1200	e1300	6540	8600	6080	6070	472	361	304
23	435	393	2060	e1150	1750	5830	11700	5650	4950	440	363	301
24	421	387	e1550	e1100	5790	4140	9790	6880	3430	416	380	318
25	413	379	e1200	e1100	15200	3920	6570	10000	2600	407	372	374
26	407	465	e1150	e1050	25400	3660	5170	6890	2220	390	367	479
27	397	8880	e1150	e1000	24000	3410	4430	4920	2610	379	343	446
28	388	6390	e1100	e950	27400	3690	4060	3670	2340	373	318	395
29	369	3700	e1050	e900	18000	2980	3700	3160	1790	390	304	356
30	353	2730	e1050	e900	---	2650	3140	2810	1550	384	296	330
31	345	---	1070	e900	---	2520	---	2360	---	428	285	---
TOTAL	17217	31723	64353	57395	143640	129960	212590	126340	120770	20442	19017	10445
MEAN	555	1057	2076	1851	4953	4192	7086	4075	4026	659	613	348
MAX	1140	8880	7650	6500	27400	11600	18200	11900	17000	1370	1580	479
MIN	345	336	925	900	750	2520	1970	1620	1210	373	285	251

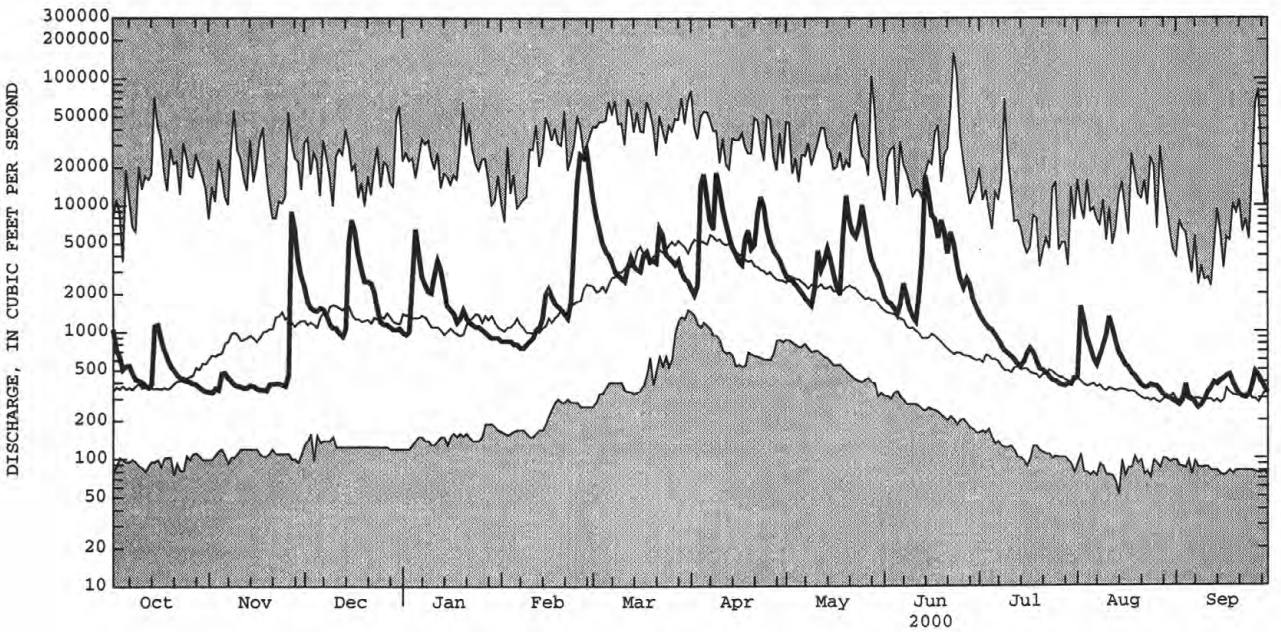
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1316	2313	2809	2621	3290	5064	6498	3397	2075	995	860	656
MAX	6774	8107	6688	8569	7695	9919	21600	8901	7418	2772	5001	2572
(WY)	1991	1997	1997	1996	1981	1994	1993	1996	1989	1998	1994	1992
MIN	199	266	282	459	631	1750	2214	696	280	196	161	169
(WY)	1992	1999	1999	1981	1980	1981	1981	1985	1999	1991	1999	1991

e Estimated

01531000 CHEMUNG RIVER AT CHEMUNG, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1980 - 2000	
ANNUAL TOTAL	637511		953892			
ANNUAL MEAN	1747		2606		2651	
HIGHEST ANNUAL MEAN					4126	1984
LOWEST ANNUAL MEAN					1513	1999
HIGHEST DAILY MEAN	21700	Jan 24	27400	Feb 28	65400	Jan 20 1996
LOWEST DAILY MEAN	131	Sep 6	251	Sep 8	113	Sep 3 1991
ANNUAL SEVEN-DAY MINIMUM	141	Aug 7	287	Sep 5	125	Sep 1 1991
10 PERCENT EXCEEDS	5040		6360		6080	
50 PERCENT EXCEEDS	542		1200		1200	
90 PERCENT EXCEEDS	170		366		276	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (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 SUSQUEHANNA RIVER BASIN

01499500 EAST SIDNEY LAKE.--Lat 42°19'40", long 75°13'42", Delaware County, Hydrologic Unit 02050101, at East Sidney Dam, on Ouleout Creek, 0.3 mi upstream from bridge on County Highway 44 at East Sidney, 4.4 mi upstream from mouth, and 4.5 mi east of Unadilla. DRAINAGE AREA, 103 mi^2. PERIOD OF RECORD, November 1949 to September 1952 (monthend elevations and contents), October 1952 to September 1985 (mean daily elevations and monthend contents), October 1986 to current year (monthend elevations and contents). Prior to October 1970, published as "East Sidney Reservoir at East Sidney". REVISED RECORDS, WSP 2103: Drainage area. GAGE, water-stage recorder. Datum of gage is sea level. Prior to Oct. 1, 1979, at datum 0.05 ft lower.

REMARKS.--Lake is formed by concrete dam and rockfill dike, completed by Corps of Engineers in June 1950; regulation of outflow began in November 1949; first used for flood regulation on Mar. 28, 1950. Usable capacity, 33,550 acre-ft between elevations 1,115.0 ft (sill of conduits) and 1,203.0 ft (crest of spillway). Dead storage 56 acre-ft. Discharge is controlled by the operation of five gates. Water is stored during high flows and released when downstream conditions warrant. Lake is used for flood control and recreation. Telephone gage-height telemeter and satellite gage-height and precipitation telemeter at station.

COOPERATION.--Capacity table furnished by Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 25,690 acre-ft, Apr. 3, 1993, elevation, 1,195.10 ft; minimum 56 acre-ft, Aug. 31, 1953, Sep. 7-26, Nov. 4, 1964, elevation, 1,115.0 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 12,791 acre-ft, Feb. 29, elevation, 1,176.69 ft; minimum, 1,504 acre-ft, Mar. 11, elevation, 1,138.97 ft.

01511000 WHITNEY POINT LAKE.--Lat 42°20'34", long 75°57'57", Broome County, Hydrologic Unit 02050102, on left bank at control-gate structure for Whitney Point Dam on Otselic River, 0.3 mi upstream from spillway, 0.9 mi upstream from mouth, and 1.0 mi north of Whitney Point. DRAINAGE AREA, 257 mi^2. PERIOD OF RECORD, October 1942 to September 1985 (mean daily elevations and monthend contents), October 1985 to current year (monthend elevations and contents). REVISED RECORDS, WSP 2103: Drainage area. GAGE, water-stage recorder. Datum of gage is sea level (levels by Corps of Engineers). Prior to October 1970, published as "Whitney Point Reservoir at Whitney Point".

REMARKS.--Lake is formed by earthfill dam with concrete spillway, completed by Corps of Engineers in 1942 for flood control; first used for flood regulation on Mar. 9, 1942. Usable capacity 86,440 acre-ft between elevations 950.0 ft (sill of gates) and 1,010.0 ft (crest of spillway). Dead storage, 28 acre-ft. Figures given herein represent total contents. Discharge is controlled by operation of three gates. Water is stored during high flows and released when downstream conditions warrant. Lake is used for flood control and recreation. Telephone gage-height telemeter and satellite gage-height and precipitation telemeter at station.

COOPERATION.--Capacity table furnished by Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 71,440 acre-ft, Mar. 23, 1948, elevation 1,005.0 ft; minimum, 36 acre-ft, Sep. 2-4, 1953, elevation, 950.4 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 22,666 acre-ft, Jan. 26, elevation, 980.28 ft; minimum, 4,890 acre-ft, April 11, elevation, 965.66 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (equlivalent in cfs)	Elevation (feet)	Contents (acre-feet)	Change in contents (equivalent in cfs)
	01499500 East Sidney Lake			01511000 Whitney Point Lake		
Sep. 30	1,151.09	3,512	--	973.17	12,901	--
Oct. 31	1,149.93	3,267	- 4.0	973.20	12,939	+ 0.6
Nov. 30	1,149.74	3,229	- 0.6	972.85	12,505	- 7.3
Dec. 31	1,140.07	1,639	- 25.9	966.21	5,422	- 115
CAL YR 1999	--	--	- 0.1	--	--	+ 0.2
Jan. 31	1,139.98	1,628	- 0.2	966.09	5,304	- 1.9
Feb. 29	1,176.54	12,713	+ 193	986.06	31,993	+ 464
Mar. 31	1,140.57	1,704	- 179	966.04	5,254	- 435
Apr. 30	1,145.90	2,511	+ 13.6	972.93	12,601	+ 123
May 31	1,149.92	3,265	+ 12.2	972.97	12,649	+ 0.8
June 30	1,150.32	3,349	+ 1.4	973.07	12,774	+ 2.1
July 31	1,150.56	3,399	+ 0.8	972.95	12,625	- 2.4
Aug. 31	1,150.46	3,378	- 0.3	973.02	12,710	+ 1.4
Sep. 30	1,150.06	3,294	- 1.4	973.10	12,812	+ 1.7
WTR YR 2000	--	--	- 0.3	--	--	- 0.1

LAKES AND RESERVOIRS IN SUSQUEHANNA RIVER BASIN--Continued

01517900 TIOGA LAKE.--Lat 41°53'57", long 77°08'21", Tioga County, Hydrologic Unit 02050104, at Tioga Dam on Tioga River, 0.8 mi south of Tioga, and 1.7 mi upstream from Crooked Creek. DRAINAGE AREA, 280 mi^2. PERIOD OF RECORD, November 1979 to current year. GAGE, water-stage recorder. Datum of gage is sea level (levels by U.S. Army Corps of Engineers).

REMARKS.--Reservoir is formed by rolled earth and rockfill dam. Flood flows are routed to Hammond Lake through a connecting channel with weir at elevation 1,101.0 ft and to Hammond Dam spillway with crest at elevation 1,131.0 ft. Storage began in November 1979. Capacity at elevation 1,131.0 ft is 62,000 acre-ft. Recreation lake elevation is 1,081.0 ft, capacity 9,500 acre-ft. Reservoir is used for flood control and recreation. Figures given herein represent total contents. Flow is regulated by two service gates and low-flow by-pass system. U.S. Army Corps of Engineers telephone gage-height and satellite gage-height telemeter at station.

COOPERATION.--Records provided by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 50,090 acre-ft, Apr. 3, 1993, elevation, 1,123.21 ft; minimum, 2,210 acre-ft, Oct. 25, 1980, elevation, 1,060.05 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 15,100 acre-ft, Apr. 4, elevation, 1,090.71 ft; minimum, 9,180 acre ft, Feb. 22, elevation, 1,080.30 ft.

01518498 HAMMOND LAKE.--Lat 41°53'56", long 77°08'52", Tioga County, Hydrologic Unit 02050104, at Hammond Dam on Crooked Creek, 3.0 mi upstream from mouth, and 0.8 mi southwest of Tioga. DRAINAGE AREA, 122 mi^2. PERIOD OF RECORD, November 1979 to current year. GAGE, water-stage recorder. Datum of gage is sea level (levels by U.S. Army Corps of Engineers).

REMARKS.--Reservoir is formed by rolled earth and rockfill dam with concrete chute spillway with uncontrolled weir at elevation 1,131.0 ft. Storage began in November 1979. Capacity at elevation 1,131.0 ft is 63,000 acre-ft. Recreation lake elevation is 1,086.0 ft, capacity 8,850 acre-ft. Reservoir is used for flood control and recreation. Figures given herein represent total contents. Flow is regulated by two gates through a connecting channel that discharges into Tioga Lake, and a low-flow outlet to Crooked Creek. U.S. Army Corps of Engineers telephone gage-height and satellite gage-height telemeter at station.

COOPERATION.--Records provided by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 50,650 acre-ft, Apr.3, 1993, elevation, 1,123.55 ft; minimum, 2,430 acre-ft, Oct. 24, 1980, elevation, 1,074.00 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 12,130 acre-ft, Apr. 5, elevation, 1,090.60 ft; minimum, 7,950 acre-ft, Feb 14, elevation, 1,084.76 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

Date	Elevation (feet)	Contents (acre-(feet)	Change in contents (equlivalent in cfs)	Elevation (feet)	Contents (acre-(feet)	Change in contents (equivalent in cfs)
	01517900 Tioga Lake			01518498 Hammond Lake		
Sep. 30	1,081.72	9,850	--	1,085.83	8,720	--
Oct. 31	1,081.61	9,800	- 0.8	1,085.89	8,770	+ 0.8
Nov. 30	1,084.01	11,000	+ 20.2	1,088.10	10,270	+ 25.2
Dec. 31	1,083.51	10,750	- 4.1	1,087.26	9,650	- 10.1
CAL YR 1999.....	--	--	+ 1.5	--	--	+ 1.1
Jan. 31	1,081.67	9,830	- 15.0	1,085.74	8,660	- 16.1
Feb. 29	1,081.82	9,900	+ 1.2	1,087.11	9,540	+ 15.3
Mar. 31	1,081.38	9,690	- 3.4	1,086.61	9,220	- 5.2
Apr. 30	1,081.36	9,680	- 0.2	1,086.60	9,220	+ 0.0
May 31	1,081.54	9,760	+ 1.3	1,086.55	9,180	- 0.7
June 30	1,081.93	9,960	+ 3.4	1,086.72	9,290	+ 1.8
July 31	1,082.10	10,040	+ 1.3	1,086.40	9,090	- 3.3
Aug. 31	1,081.01	9,500	- 8.8	1,086.09	8,900	- 3.1
Sep. 30	1,080.67	9,350	- 2.5	1,086.28	9,020	+ 2.0
WTR YR 2000.....	--	--	- 0.7	--	--	+ 0.4

LAKES AND RESERVOIRS IN SUSQUEHANNA RIVER BASIN--Continued

01519995 COWANESQUE LAKE.--Lat 41°59'05", long 77°09'05", Tioga County, Hydrologic Unit 02050104, at Cowanesque Dam on Cowanesque River, 1.8 mi southwest of Lawrenceville, and 2.5 mi upstream from mouth. DRAINAGE AREA, 298 mi^2. PERIOD OF RECORD, December 1979 to current year. GAGE, water-stage recorder. Datum of gage is sea level (levels by U.S. Army Corps of Engineers).

REMARKS.--Reservoir is formed by rolled earth and rockfill dam with concrete chute spillway with uncontrolled weir at elevation 1,117.0 ft. Storage began in December 1979. Capacity at elevation 1,117.0 ft is 89,110 acre-ft. Recreation lake elevation is 1,045.0 ft, capacity 7,330 acre-ft. Reservoir is used for flood control and recreation. Figures given herein represent total contents. Flow is regulated by two service gates and low-flow by-pass system. U.S. Army Corps of Engineers telephone gage-height and satellite gage-height and precipitation telemeter at station.

COOPERATION.--Records provided by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 84,560 acre-ft, Apr. 2, 1993, elevation, 1,114.78 ft; minimum, 65 acre-ft, June 23, 1980, elevation, 1,011.50 ft.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 36,150 acre-ft, June 14, elevation 1,083.23 ft; minimum, 32,360 acre-ft, June 15, elevation, 1,079.78 ft.

01523000 ALMOND LAKE NEAR ALMOND, NY.--Lat 42°20'56", long 77°42'10", Steuben County, Hydrologic Unit 02050104, at Almond Dam on Canacadea Creek, 2.0 mi northeast of Almond, and 3.0 mi upstream from mouth. DRAINAGE AREA, 55.8 mi^2. PERIOD OF RECORD, July 1949 to September 1952 (monthly elevations and contents), October 1952 to September 1985 (mean daily elevations and monthend contents), October 1985 to current year (monthend elevations and contents). Prior to October 1970, published as "Almond Reservoir near Almond". REVISED RECORDS, WSP 2103: Drainage area. GAGE, Water-stage recorder. Datum of gage is sea level (levels by Corps of Engineers).

REMARKS.--Lake is formed by earthfill dam with concrete spillway, completed by Corps of Engineers in June 1949 for flood control; first used for flood regulation on Mar. 28, 1950. Usable capacity, 14,800 acre-ft between elevations 1,229.0 ft (sill of gates) and 1,300.0 ft (crest of spillway). No dead storage. Figures given herein represent usable contents. Discharge is controlled by the operation of three gates. Water is stored during high flows and released when downstream conditions warrant. Lake is used for flood control and recreation. Telephone gage-height telemeter and satellite gage-height and precipitation telemeter at station.

COOPERATION.--Capacity table furnished by Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 14,100 acre-ft, June 23, 1972, elevation, 1,298.58 ft; no contents for many days each year 1949-65.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 3,261 acre-ft, June 14, elevation, 1,267.87 ft; minimum, 1,646 acre-ft, Apr. 24, elevation, 1,259.31 ft.

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (equlivalent in cfs)	Elevation (feet)	Contents (acre-feet)	Change in contents (equivalent in cfs)
	01519995 Cowanesque Lake			01523000 Almond Lake		
Sep. 30	1,080.37	32,970	--	1,261.43	1,983	--
Oct. 31	1,080.05	32,650	- 5.2	1,260.13	1,771	- 3.4
Nov. 30	1,080.53	33,130	+ 8.1	1,260.18	1,779	+ 0.1
Dec. 31	1,080.31	32,910	- 3.6	1,260.13	1,771	- 0.1
CAL YR 1999	--	--	+ 2.1	--	--	0
Jan. 31	1,080.30	32,900	- 0.2	1,260.24	1,788	+ 0.3
Feb. 29	1,081.53	34,240	+ 23.3	1,261.06	1,920	+ 2.3
Mar. 31	1,080.18	32,780	- 23.7	1,260.17	1,777	- 2.3
Apr. 30	1,080.23	32,830	+ 0.8	1,260.06	1,760	- 0.3
May 31	1,080.23	32,830	0	1,260.05	1,758	0
June 30	1,080.23	32,830	0	1,260.11	1,768	+ 0.2
July 31	1,080.14	32,740	- 1.5	1,260.13	1,771	0
Aug. 31	1,080.24	32,840	+ 1.6	1,260.03	1,755	- 0.3
Sep. 30	1,080.17	32,770	- 1.2	1,260.19	1,780	+ 0.4
WTR YR 2000	--	--	- 0.3	--	--	- 0.3

03011020 ALLEGHENY RIVER AT SALAMANCA, NY

LOCATION.--Lat 42°09'23", long 78°42'56", Cattaraugus County, Hydrologic Unit 05010001, on left bank 230 ft upstream from Main Street bridge in Salamanca, 1.3 mi downstream from Great Valley Creek, and 1.6 mi upstream from Little Valley Creek.
DRAINAGE AREA.--1,608 mi^2.
PERIOD OF RECORD.--September 1903 to current year. Monthly discharge only for some periods, published in WSP 1305. Prior to October 1964, published as "at Red House."
REVISED RECORDS.--WSP 1385: 1907, 1909-12, 1913(M), 1914-15, 1916-17(M), 1925, 1927. WSP 1907: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 1,358.00 ft above sea level (Corps of Engineers bench mark). Prior to Sep. 3, 1917, nonrecording gage and Sep. 4, 1917 to Sep. 30, 1964, water-stage recorder at site 7.5 mi downstream at different datum. Oct. 1, 1964 to Sep. 30, 1967, at present site at datum 0.04 ft lower.
REMARKS.--Records good except those for estimated daily discharges, which are fair. U.S. Army Corps of Engineers telephone gage-height telemeter and satellite gage-height and precipitation telemeter at station. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 73,000 ft^3/s, June 23, 1972, gage height, 24.01 ft, from floodmarks; minimum instantaneous discharge not determined.
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)
Feb. 26	0600	*16,300	*9.67				

Minimum discharge, 245 ft^3/s, Oct. 13, Sep. 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	1660	275	2430	e1300	e850	10600	1860	2300	1640	1190	2480	279
2	947	342	2020	e1400	e850	9120	1760	2580	1540	1050	1350	274
3	588	2480	1830	3270	e800	7060	2160	2430	1970	954	1160	333
4	471	1960	2100	8780	e800	5400	8490	2110	1560	1010	911	576
5	431	1530	2430	10100	e750	4670	11300	1990	1280	975	713	422
6	380	1330	2600	6740	e750	4050	9520	1850	1530	866	626	323
7	331	1130	2610	5120	e750	3500	7760	1720	1610	764	2570	283
8	298	952	2250	4220	e720	3150	10100	1630	1350	685	1910	259
9	282	812	1950	3580	e710	2920	13100	1560	1140	650	1420	250
10	277	734	1960	3330	e720	2870	10300	2420	1000	869	3320	254
11	276	889	2410	4150	e950	2650	8530	3770	967	860	2220	272
12	260	858	2230	4340	e1500	2850	7110	2900	2520	753	1500	307
13	254	790	2010	3630	e1600	2890	5420	2640	3720	626	1280	515
14	375	719	2300	2960	1490	2650	4450	2680	6700	569	1100	614
15	642	659	6470	e2600	1540	2660	3820	2240	6290	664	895	657
16	575	615	6480	e2300	1550	2680	3390	1870	4680	743	886	908
17	463	575	5330	e1900	e1400	3630	3020	1670	4290	795	777	815
18	403	527	4350	e1400	e1300	3720	2840	2070	4070	781	690	620
19	368	491	3590	e1350	1300	3570	2640	9730	5470	627	592	477
20	341	475	3150	e1300	1280	3450	2530	10500	3940	543	517	406
21	466	486	3310	e1250	1260	3250	4770	7870	3340	500	462	417
22	632	467	3010	e1200	1260	3230	6400	5990	4650	496	421	425
23	639	455	2490	e1150	1780	3110	6950	4710	3650	468	404	968
24	589	477	2110	e1100	4660	2810	5950	4280	2750	444	484	1100
25	525	515	1900	e1050	11900	2660	5070	4610	2400	403	465	883
26	433	1490	e1700	e1000	15900	2550	4350	3890	2230	376	442	706
27	362	6990	e1600	e950	14900	2370	3780	3260	2010	357	380	588
28	330	5890	e1500	e950	14800	2260	3340	2830	1820	338	343	538
29	312	4010	e1350	e900	12700	2210	2940	2480	1580	416	323	493
30	296	3080	e1300	e900	---	2190	2590	2160	1350	1340	312	444
31	285	---	e1300	e850	---	2010	---	1860	---	1470	293	---
TOTAL	14491	42003	82070	85070	100770	112740	166240	104600	83047	22582	31246	15406
MEAN	467	1400	2647	2744	3475	3637	5541	3374	2768	728	1008	514
MAX	1660	6990	6480	10100	15900	10600	13100	10500	6700	1470	3320	1100
MIN	254	275	1300	850	710	2010	1760	1560	967	338	293	250
CFSM	.29	.87	1.65	1.71	2.16	2.26	3.45	2.10	1.72	.45	.63	.32
IN.	.34	.97	1.90	1.97	2.33	2.61	3.85	2.42	1.92	.52	.72	.36

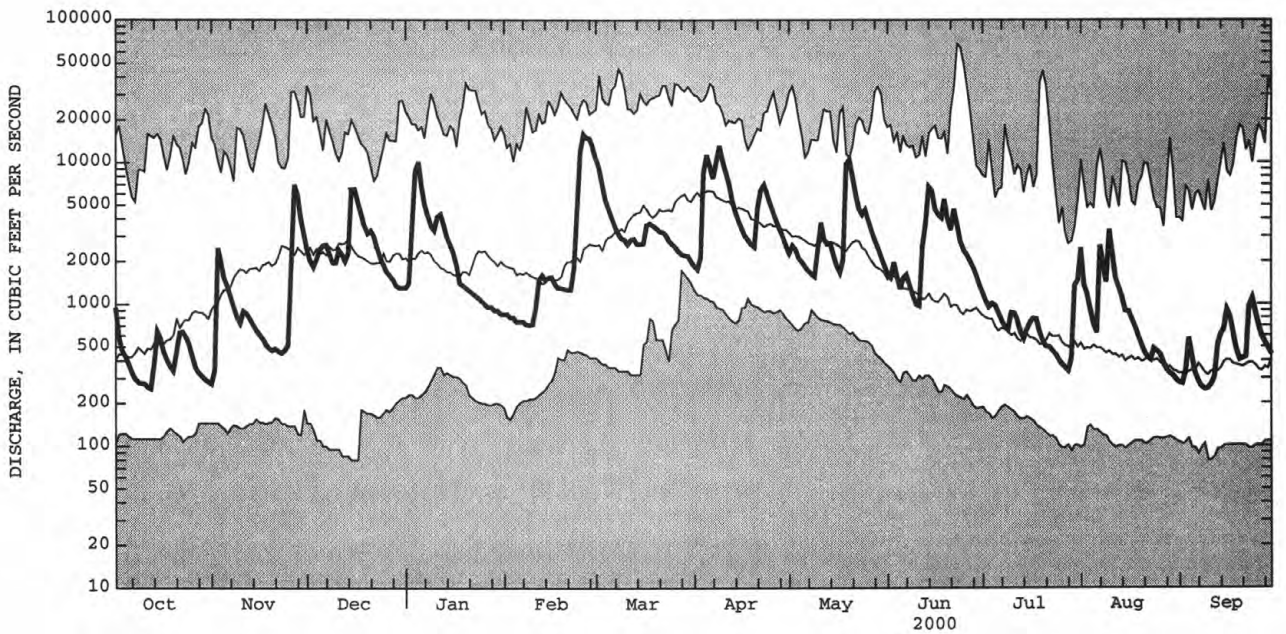
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1904 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1339	2538	3077	3361	3178	5951	5825	3461	2010	1092	720	831
MAX	5801	8605	9147	10200	9683	14850	15540	9574	11520	6074	3882	7477
(WY)	1991	1928	1928	1913	1976	1936	1940	1943	1972	1942	1977	1977
MIN	124	146	189	255	550	1983	970	796	299	150	119	118
(WY)	1931	1931	1961	1961	1905	1937	1946	1985	1934	1934	1930	1932

e Estimated

03011020 ALLEGHENY RIVER AT SALAMANCA, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1904 - 2000	
ANNUAL TOTAL	740729		860265			
ANNUAL MEAN	2029		2350		2779	
HIGHEST ANNUAL MEAN					4174	1916
LOWEST ANNUAL MEAN					1777	1999
HIGHEST DAILY MEAN	19100	Jan 25	15900	Feb 26	67900	Jun 23 1972
LOWEST DAILY MEAN	144	Aug 19	250	Sep 9	79	Sep 10 1971
ANNUAL SEVEN-DAY MINIMUM	164	Sep 1	278	Sep 6	84	Dec 11 1908
ANNUAL RUNOFF (CFSM)	1.26		1.46		1.73	
ANNUAL RUNOFF (INCHES)	17.14		19.90		23.48	
10 PERCENT EXCEEDS	5210		5350		6740	
50 PERCENT EXCEEDS	889		1500		1510	
90 PERCENT EXCEEDS	202		396		288	



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

03013946 CHAUTAUQUA LAKE AT BEMUS POINT, NY

LOCATION.--Lat 42°09'23", long 79°23'39", Chautauqua County, Hydrologic Unit 05010002, 6 ft east of lake shore, 30 ft south of the intersection of Pauline Avenue and Lakeside Avenue, and 950 ft southeast of the ferry landing at Bemus Point.
DRAINAGE AREA.--189 mi^2.
PERIOD OF RECORD.--October 1972 to September 1973; November 1974 to current year.
GAGE.--Water-stage recorder. Datum of gage is sea level. Prior to Nov. 1974 at site 950 ft northwest at same datum.
REMARKS.--Lake regulated for flood control by Warner Dam. Area of water surface, 20.98 mi^2. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 1,311.23 ft, Mar. 5, 1976; minimum, 1,306.20 ft, Dec. 16, 1998.
EXTREMES FOR CURRENT YEAR.--Maximum elevation, 1,308.88 ft, May 19, 20; minimum, 1,306.62 ft, Feb. 22.

ELEVATION (FEET ABOVE SEA LEVEL), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1307.47	1307.77	1307.26	---	1306.91	1307.73	1307.37	1308.27	1308.32	1308.24	1308.37	1308.04
2	1307.46	1307.79	1307.22	---	1306.88	1307.75	1307.40	1308.31	1308.32	1308.23	1308.51	1308.04
3	1307.45	1308.32	1307.17	---	1306.85	1307.72	1307.47	1308.30	1308.31	1308.23	1308.60	1308.04
4	1307.48	1308.47	1307.15	---	1306.83	1307.67	1307.67	1308.29	1308.27	1308.25	1308.59	1308.02
5	1307.48	1308.45	1307.14	---	1306.81	1307.62	1307.80	1308.28	1308.26	1308.24	1308.52	1307.99
6	1307.47	1308.47	1307.16	---	1306.77	1307.57	1307.86	1308.27	1308.32	1308.22	1308.44	1307.96
7	1307.45	1308.43	1307.16	---	1306.74	1307.52	1307.91	1308.26	1308.33	1308.20	1308.45	1307.93
8	1307.44	1308.34	1307.14	---	1306.71	1307.47	1308.21	1308.26	1308.31	1308.18	1308.40	1307.91
9	1307.47	1308.26	1307.10	---	1306.68	1307.42	1308.48	1308.26	1308.30	1308.17	1308.32	1307.90
10	1307.47	1308.19	1307.10	---	1306.65	1307.38	1308.47	1308.31	1308.30	1308.23	1308.31	1307.90
11	1307.47	1308.15	1307.13	---	1306.68	1307.34	1308.43	1308.34	1308.30	1308.22	1308.33	1307.91
12	1307.47	1308.07	1307.12	---	1306.69	1307.33	1308.39	1308.35	1308.32	1308.21	1308.33	1307.92
13	1307.46	1307.99	1307.10	---	1306.69	1307.28	1308.33	1308.34	1308.31	1308.19	1308.31	1307.92
14	1307.58	1307.91	1307.16	---	1306.72	1307.25	1308.26	1308.32	1308.42	1308.19	1308.28	1307.90
15	1307.59	1307.82	1307.36	---	1306.74	1307.24	1308.26	1308.28	1308.46	1308.21	1308.26	1307.92
16	1307.59	1307.73	1307.39	---	1306.73	1307.24	1308.26	1308.27	1308.45	1308.22	1308.26	1307.92
17	1307.60	1307.64	1307.38	---	1306.72	1307.27	1308.27	1308.26	1308.44	1308.23	1308.24	1307.89
18	1307.62	1307.57	1307.35	---	1306.72	1307.25	1308.26	1308.33	1308.43	1308.21	1308.22	1307.88
19	1307.62	1307.50	1307.32	1307.37	1306.72	1307.24	1308.25	1308.78	1308.42	1308.20	1308.20	1307.87
20	1307.61	1307.46	1307.29	1307.35	1306.70	1307.22	1308.27	1308.85	1308.39	1308.18	1308.18	1307.86
21	1307.60	1307.40	1307.28	1307.34	1306.67	1307.19	1308.43	1308.77	1308.38	1308.16	1308.16	1307.92
22	1307.60	1307.35	1307.25	1307.30	1306.65	1307.16	1308.44	1308.68	1308.36	1308.15	1308.14	1307.92
23	1307.66	1307.29	1307.22	1307.26	1306.69	1307.13	1308.38	1308.59	1308.33	1308.13	1308.15	1307.99
24	1307.75	1307.25	1307.22	1307.22	1306.91	1307.14	1308.33	1308.53	1308.31	1308.12	1308.15	1308.07
25	1307.78	1307.20	1307.18	1307.18	1307.34	1307.16	1308.32	1308.49	1308.34	1308.10	1308.14	1308.07
26	1307.78	1307.25	1307.16	1307.14	1307.58	1307.17	1308.32	1308.45	1308.34	1308.09	1308.12	1308.06
27	1307.79	1307.39	1307.13	1307.11	1307.70	1307.19	1308.31	1308.41	1308.33	1308.07	1308.11	1308.06
28	1307.78	1307.38	1307.09	1307.07	1307.76	1307.21	1308.31	1308.37	1308.30	1308.07	1308.10	1308.06
29	1307.78	1307.35	1307.07	1307.02	1307.75	1307.26	1308.30	1308.34	1308.27	1308.10	1308.08	1308.04
30	1307.78	1307.31	1307.03	1306.98	---	1307.31	1308.28	1308.32	1308.26	1308.14	1308.06	1308.03
31	1307.78	---	1307.00	1306.94	---	1307.35	---	1308.31	---	1308.24	1308.06	---
MEAN	1307.59	1307.78	1307.19	1307.18	1306.90	1307.35	1308.17	1308.39	1308.34	1308.18	1308.27	1307.96
MAX	1307.79	1308.47	1307.39	1307.37	1307.76	1307.75	1308.48	1308.85	1308.46	1308.25	1308.60	1308.07
MIN	1307.44	1307.20	1307.00	1306.94	1306.65	1307.13	1307.37	1308.26	1308.26	1308.07	1308.06	1307.86

03014500 CHADAKOIN RIVER AT FALCONER, NY

LOCATION.--Lat 42°06'45", long 79°12'15", Chautauqua County, Hydrologic Unit 05010002, on left bank 10 ft downstream from South Dow Street Bridge in Falconer, 1.8 mi upstream from mouth, and 6 mi downstream from Chautauqua Lake.
DRAINAGE AREA.--194 mi^2.
PERIOD OF RECORD.--November 1934 to current year.
REVISED RECORDS.--WSP 803: 1936(M). WDR NY-98-3: 1997 (M).
GAGE.--Water-stage recorder, crest-stage gages, and concrete control. Datum of gage is 1,256.41 ft above sea level.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow regulated by Chautauqua Lake. Diurnal fluctuation caused by mills upstream from station. Monthly figures for 1951-66 water years adjusted for regulation. Telephone gage-height telemeter at station. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,250 ft^3/s, Sep. 14, 1979, gage height, 4.93 ft; minimum discharge, 2.5 ft^3/s, Sep. 18, 1995; minimum gage height, 0.10 ft, Aug. 25, 2000.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,130 ft^3/s, May 19, gage height, 2.74 ft; minimum discharge, 5.0 ft^3/s, Aug. 25, gage height, 0.10 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	18	e600	495	387	395	666	51	218	94	62	56	64
2	15	690	471	393	389	681	55	283	151	62	131	62
3	13	832	460	e440	376	662	63	314	202	65	392	62
4	16	895	464	e540	376	645	426	255	201	63	512	61
5	11	879	458	607	371	637	408	221	121	61	794	58
6	11	878	466	600	363	617	123	221	97	61	785	56
7	10	853	458	610	342	600	201	221	140	62	530	53
8	10	817	438	596	e330	589	818	126	141	61	821	53
9	13	794	431	588	326	592	928	69	109	71	610	55
10	10	788	457	596	327	565	949	128	66	64	106	55
11	12	761	456	632	339	540	897	135	72	62	152	59
12	13	745	429	628	e330	561	898	113	169	62	175	52
13	27	723	427	619	333	523	861	208	143	61	175	43
14	53	731	445	599	346	511	623	209	96	70	140	41
15	39	711	472	589	342	471	217	139	158	67	117	41
16	32	650	526	588	343	474	217	97	194	70	68	37
17	33	606	517	e570	339	458	217	85	409	62	62	33
18	30	580	460	e540	337	442	353	262	568	61	62	30
19	25	559	451	539	341	431	293	981	392	64	59	28
20	20	549	445	523	337	432	438	1050	239	63	55	27
21	16	531	457	503	332	438	900	1010	229	65	52	32
22	14	519	446	500	332	438	927	976	256	62	52	22
23	20	500	436	486	353	241	911	940	230	62	60	32
24	14	499	434	482	383	82	467	951	236	57	56	23
25	7.9	474	432	e470	430	51	209	567	231	53	39	19
26	6.8	507	e425	462	542	47	160	362	204	55	67	19
27	20	546	422	e450	619	46	153	543	271	54	66	16
28	51	562	412	e430	648	43	157	334	239	53	65	16
29	51	543	401	e420	665	48	214	201	171	53	64	23
30	e130	515	395	409	---	45	213	150	63	58	65	31
31	e290	---	392	401	---	54	---	114	---	60	64	---
TOTAL	1031.7	19837	13878	16197	11286	12630	13347	11483	5892	1906	6452	1203
MEAN	33.3	661	448	522	389	407	445	370	196	61.5	208	40.1
MAX	290	895	526	632	665	681	949	1050	568	71	821	64
MIN	6.8	474	392	387	326	43	51	69	63	53	39	16

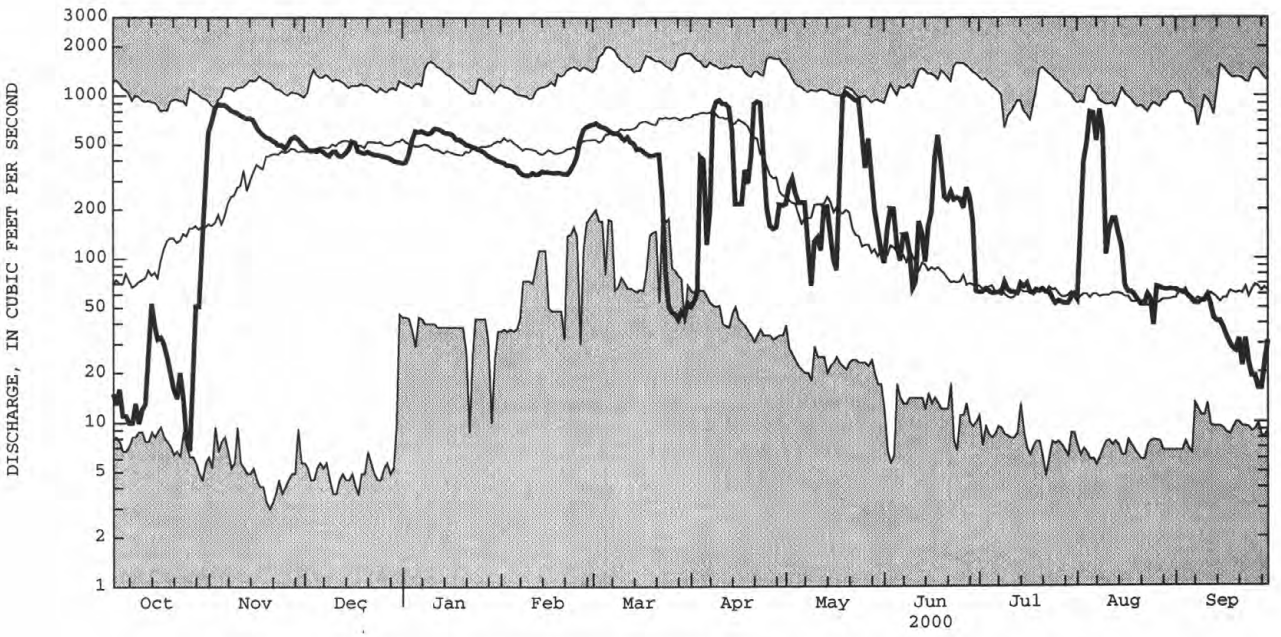
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	211	378	502	520	519	680	629	304	207	118	107	150
MAX	751	997	997	1120	989	1358	1305	974	852	729	540	705
(WY)	1946	1986	1951	1998	1990	1976	1947	1943	1986	1986	1977	1977
MIN	8.12	5.69	6.38	36.3	195	282	53.1	58.5	15.1	8.55	7.44	17.8
(WY)	1964	1961	1961	1961	1963	1983	1946	1941	1954	1954	1954	1941

e Estimated

03014500 CHADAKOIN RIVER AT FALCONER, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1935 - 2000	
ANNUAL TOTAL	102673.2		115142.7			
ANNUAL MEAN	281		315		361	
HIGHEST ANNUAL MEAN					527	1986
LOWEST ANNUAL MEAN					222	1999
HIGHEST DAILY MEAN	923	May 27	1050	May 20	2020	Mar 6 1976
LOWEST DAILY MEAN	5.5	Aug 7	6.8	Oct 26	3.0	Nov 20 1960
ANNUAL SEVEN-DAY MINIMUM	9.4	Aug 3	11	Oct 5	3.7	Nov 18 1960
10 PERCENT EXCEEDS	647		654		828	
50 PERCENT EXCEEDS	104		266		277	
90 PERCENT EXCEEDS	18		32		36	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.

SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

03013946 CHAUTAUQUA LAKE AT BEMUS POINT, NY (see station for daily mean elevation).

04213500 CATTARAUGUS CREEK AT GOWANDA, NY

LOCATION.--Lat 42°27'50", long 78°56'07", Erie County, Hydrologic Unit 04120102, on right bank 380 ft downstream from bridge on State Highways 39 and 62 at Gowanda, 4.2 mi downstream from South Branch, and 17.8 mi upstream from mouth.
DRAINAGE AREA.--436 mi^2.
PERIOD OF RECORD.--November 1939 to March 1998, October 1999 to current year.
REVISED RECORDS.--WSP 1912; WDR NY-82-3: Drainage area. WRD NY 1971: 1956(M). WRD NY 1974: 1940-42 (M, P).
GAGE.--Water-stage recorder. Datum of gage is 738.85 ft above sea level. Prior to Oct. 1, 1969, at datum 0.11 ft lower.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Diurnal fluctuation at low and medium flow caused by powerplant 20 mi upstream from station. Telephone gage-height telemeter at station. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 34,600 ft^3/s, Mar. 7, 1956, gage height, 14.03 ft, present datum; minimum discharge, about 6 ft^3/s, Aug. 21, 1941, result of regulation; minimum gage height, 0.90 ft, Oct. 26, 1951.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 8,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr. 8	2000	*8,860	*7.15	No other peak greater than base discharge.			

Minimum discharge, 94 ft^3/s, Oct. 13, gage height, 1.25 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	206	113	e300	370	e270	1100	570	529	329	338	675	225
2	135	444	e280	575	e270	1210	568	841	337	296	1030	221
3	116	e1300	274	3090	e270	972	1030	667	370	295	1200	1540
4	132	758	349	3620	e270	894	3230	550	306	370	821	523
5	143	639	383	1990	e270	886	2280	528	296	299	443	370
6	125	898	560	1090	e260	801	1490	500	485	260	342	306
7	112	504	592	839	e250	685	1230	458	439	239	3140	274
8	103	346	430	674	e250	641	5000	441	339	224	1100	255
9	110	278	354	593	e260	622	3830	425	304	407	720	2480
10	107	251	426	696	e300	756	1810	519	398	1020	3690	1330
11	105	418	637	1190	e360	686	1370	829	390	415	1900	930
12	98	341	439	975	e550	682	1420	586	1110	297	1170	720
13	98	273	383	750	e600	621	1170	533	769	251	1160	1120
14	243	243	641	560	e540	688	996	542	1300	229	808	592
15	205	219	2040	582	e480	976	869	452	1030	356	618	862
16	154	206	1340	575	e450	1110	775	399	736	599	598	982
17	134	187	953	392	e450	1230	705	369	540	461	505	631
18	155	175	691	384	e430	922	695	420	474	306	415	473
19	166	166	515	e480	e410	962	648	1860	516	267	379	394
20	140	175	658	e460	e400	1120	843	1310	406	241	345	357
21	126	188	1230	e400	e400	912	3520	1030	368	237	313	519
22	120	176	718	e360	e450	774	2470	835	368	284	295	425
23	129	168	551	e350	e1200	671	1980	659	312	227	391	2410
24	202	176	474	e350	e3400	599	1400	784	285	208	528	1870
25	187	192	437	e340	5590	573	1070	1150	452	198	349	983
26	151	485	420	e330	3450	534	885	804	795	186	295	689
27	137	1790	399	e320	2880	494	767	554	1140	180	278	550
28	125	783	367	e310	2310	478	698	471	613	175	270	506
29	119	502	e360	e290	1340	571	616	422	430	224	256	450
30	114	395	e360	e280	---	673	555	382	411	340	241	402
31	113	---	e380	e270	---	653	---	346	---	304	232	---
TOTAL	4310	12789	17941	23485	28360	24496	44490	20195	16048	9733	24507	23389
MEAN	139	426	579	758	978	790	1483	651	535	314	791	780
MAX	243	1790	2040	3620	5590	1230	5000	1860	1300	1020	3690	2480
MIN	98	113	274	270	250	478	555	346	285	175	232	221
CFSM	.32	.98	1.33	1.74	2.24	1.81	3.40	1.49	1.23	.72	1.81	1.79
IN.	.37	1.09	1.53	2.00	2.42	2.09	3.80	1.72	1.37	.83	2.09	2.00

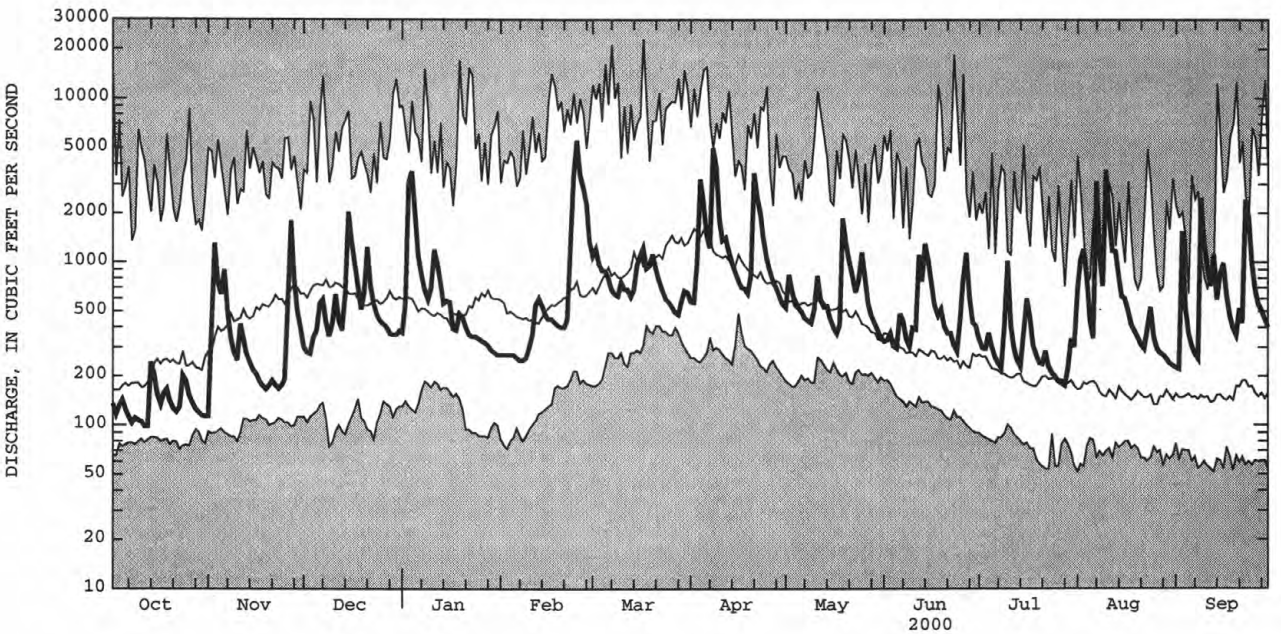
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	401	712	944	850	951	1574	1444	733	496	297	248	317
MAX	1573	1772	2089	2259	2819	3824	3686	1948	1436	867	1225	2423
(WY)	1946	1986	1991	1998	1976	1945	1947	1943	1989	1986	1977	1977
MIN	81.8	118	111	136	222	790	279	283	143	78.3	79.5	85.8
(WY)	1964	1961	1961	1961	1963	2000	1946	1941	1955	1955	1941	1960

e Estimated

04213500 CATTARAUGUS CREEK AT GOWANDA, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1940 - 2000	
ANNUAL TOTAL			249743			
ANNUAL MEAN			682		749	
HIGHEST ANNUAL MEAN					1030	1977
LOWEST ANNUAL MEAN					532	1995
HIGHEST DAILY MEAN	3850	Jan 2	5590	Feb 25	22900	Mar 17 1942
LOWEST DAILY MEAN	70	Sep 4	98	Oct 12	52	Sep 13 1945
ANNUAL SEVEN-DAY MINIMUM	74	Aug 31	105	Oct 7	57	Sep 7 1945
ANNUAL RUNOFF (CFSM)			1.57		1.72	
ANNUAL RUNOFF (INCHES)			21.31		23.33	
10 PERCENT EXCEEDS	1450		1250		1600	
50 PERCENT EXCEEDS	253		459		420	
90 PERCENT EXCEEDS	95		187		127	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.

SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04214500 BUFFALO CREEK AT GARDENVILLE, NY

LOCATION.--Lat 42°51'17", long 78°45'19", Erie County, Hydrologic Unit 04120103, on left bank 300 ft downstream from bridge on Union Road in Gardenville, 2.0 mi upstream from Cayuga Creek, and 10.1 mi upstream from mouth.
DRAINAGE AREA.--142 mi^2.
PERIOD OF RECORD.--October 1938 to current year.
REVISED RECORDS.--WSP 1337: 1939-52. WSP 1912; WDR NY-82-3: Drainage area. WRD NY-78-1: 1939-1976 (P).
GAGE.--Water-stage recorder. Datum of gage is 603.65 ft above sea level. Prior to Sep. 26, 1968, water-stage recorder at site 400 ft downstream at same datum.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Telephone gage-height telemeter at station. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,300 ft^3/s, Mar. 1, 1955, Mar. 7, 1956, from rating curve extended above 3,200 ft^3/s on basis of slope-area measurement at gage height 7.07 ft; maximum gage height 14.34 ft, Mar. 21, 1978 (ice jam); minimum discharge, 0.2 ft^3/s, Sep. 1, 1964.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,750 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr. 8	2030	4,240	6.15	Sep. 23	1600	*7,780	*7.99
Sep. 3	0330	5,150	6.69				

Minimum discharge 19 ft^3/s, Oct. 13, gage height, 0.60 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	75	24	e75	e160	e85	246	112	108	52	87	214	23
2	34	92	80	e260	e90	350	109	189	62	60	150	23
3	24	528	77	1200	e90	233	238	160	69	67	267	1530
4	49	344	82	1350	e90	233	1970	117	50	77	241	194
5	40	214	90	563	e85	250	738	114	43	88	84	109
6	33	146	116	281	e85	198	372	102	105	105	50	72
7	24	102	115	224	e80	160	294	88	134	50	671	53
8	20	74	84	182	e80	152	2140	78	73	39	248	43
9	22	59	70	157	e80	193	1080	75	274	68	105	1010
10	22	65	90	215	e105	476	415	151	334	122	232	428
11	24	229	240	409	e150	254	316	278	226	69	225	344
12	20	143	134	300	e250	214	398	180	811	43	161	245
13	32	91	102	e170	e210	210	325	354	463	35	143	244
14	75	73	158	e120	e190	315	230	253	813	31	94	135
15	89	63	960	e120	e170	456	195	139	470	55	64	310
16	46	56	549	e110	e160	396	167	98	332	61	53	201
17	34	48	338	e110	e155	430	158	81	367	70	49	128
18	41	42	e235	e110	e150	280	248	e210	196	95	40	89
19	44	40	e150	e100	e150	302	187	456	160	89	36	70
20	38	44	e400	e100	e140	403	273	398	115	50	36	61
21	30	55	786	e100	e140	247	1310	227	119	37	31	183
22	27	52	298	e100	e150	197	715	168	168	33	28	153
23	28	46	e180	e95	e1000	171	565	134	92	30	90	3950
24	82	47	e130	e95	e1900	149	381	192	83	27	124	1050
25	76	58	e120	e90	2170	145	252	256	333	25	65	378
26	45	280	e120	e90	1050	142	193	186	131	24	41	218
27	35	764	e120	e85	772	118	164	111	236	22	34	157
28	32	272	e110	e85	517	115	148	86	139	20	30	168
29	29	157	e130	e80	296	126	132	74	82	105	28	136
30	26	113	e140	e80	---	173	112	65	101	62	26	105
31	24	---	e170	e85	---	141	---	57	---	70	24	---
TOTAL	1220	4321	6449	7226	10590	7475	13937	5185	6633	1816	3684	11810
MEAN	39.4	144	208	233	365	241	465	167	221	58.6	119	394
MAX	89	764	960	1350	2170	476	2140	456	813	122	671	3950
MIN	20	24	70	80	80	115	109	57	43	20	24	23
CFSM	.28	1.01	1.47	1.64	2.57	1.70	3.27	1.18	1.56	.41	.84	2.77
IN.	.32	1.13	1.69	1.89	2.77	1.96	3.65	1.36	1.74	.48	.97	3.09

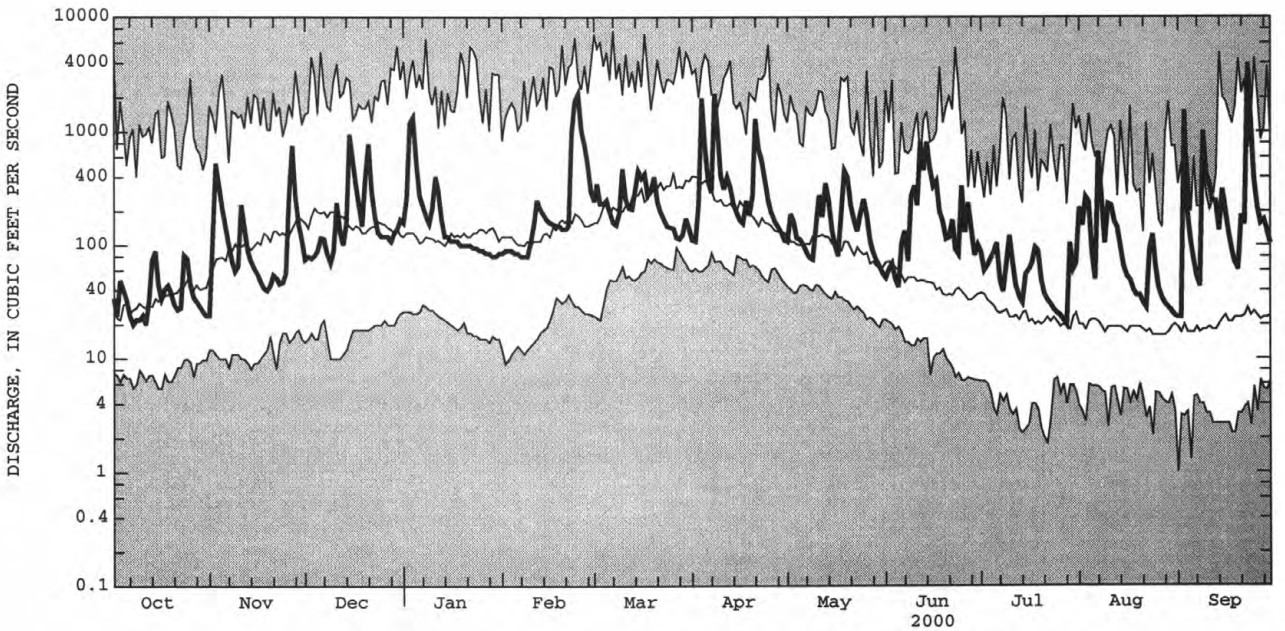
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	91.7	202	288	259	300	491	375	176	103	51.9	47.0	73.9
MAX	381	686	706	725	835	1048	950	495	531	354	376	827
(WY)	1987	1986	1991	1998	1976	1942	1947	1984	1989	1992	1992	1977
MIN	9.32	18.2	17.4	27.4	40.2	197	68.8	38.5	15.6	6.89	10.8	6.25
(WY)	1965	1961	1961	1961	1963	1981	1946	1941	1955	1955	1966	1964

e Estimated

04214500 BUFFALO CREEK AT GARDENVILLE, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1939 - 2000	
ANNUAL TOTAL	51863.2		80346			
ANNUAL MEAN	142		220		204	
HIGHEST ANNUAL MEAN					301	1977
LOWEST ANNUAL MEAN					119	1999
HIGHEST DAILY MEAN	4400	Jan 24	3950	Sep 23	7650	Mar 7 1956
LOWEST DAILY MEAN	7.5	Jul 31	20	Oct 8	1.0	Sep 1 1964
ANNUAL SEVEN-DAY MINIMUM	9.0	Jul 26	23	Oct 7	2.6	Sep 13 1964
INSTANTANEOUS PEAK FLOW			7800	Sep 23		
INSTANTANEOUS PEAK STAGE			8.00	Sep 23		
INSTANTANEOUS LOW FLOW			19	Oct 13		
ANNUAL RUNOFF (CFSM)	1.00		1.55		1.44	
ANNUAL RUNOFF (INCHES)	13.59		21.05		19.55	
10 PERCENT EXCEEDS	339		411		460	
50 PERCENT EXCEEDS	55		120		87	
90 PERCENT EXCEEDS	13		35		15	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.

SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04215000 CAYUGA CREEK NEAR LANCASTER, NY

LOCATION.--Lat 42°53'24", long 78°38'43", Erie County, Hydrologic Unit 04120103, on right bank 150 ft upstream from low dam in Como Lake Park, 700 ft downstream from bridge on Bowen Road, 800 ft downstream from Little Buffalo Creek, 2.0 mi southeast of Lancaster, and 8.7 mi upstream from mouth.
DRAINAGE AREA.--96.4 mi^2.
PERIOD OF RECORD.--September 1938 to September 1968. October 1971 to April 1974 (peak discharges only). May 1974 to current year.
REVISED RECORDS.--WDR NY-82-3: Drainage area.
GAGE.--Water-stage recorder and concrete control. Datum of gage is 672.02 ft above sea level.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Since August 1962, undetermined amount of flow diverted by Lancaster Country Club for irrigation upstream from station. Concrete dam configuration modified in September 1974 resulting in a lower point of zero flow. Telephone gage-height telemeter at station. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,440 ft^3/s, Sep. 14, 1979, gage height, 10.48 ft; maximum gage height 13.35 ft, Jan. 23, 1999 (ice jam); practically no flow part of Aug. 8, 9, 1939, when stop logs were installed in the dam.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr. 8	1730	3,980	7.48	Sep. 23	1615	*6,080	*8.65

Minimum discharge, 6.6 ft^3/s, Oct. 13, gage height, 2.74 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	27	7.3	37	e80	e45	164	72	66	30	50	274	13
2	13	43	41	e150	e46	230	70	118	37	37	218	12
3	11	301	43	e690	e46	162	166	91	53	39	394	202
4	22	135	44	1040	e46	160	1450	68	32	51	272	35
5	24	80	45	365	e44	173	421	61	28	44	83	23
6	16	53	54	166	e44	144	219	58	88	31	50	17
7	11	37	49	140	e44	117	161	49	90	25	1020	14
8	8.5	28	39	108	e42	109	2180	43	47	22	209	12
9	8.4	23	33	106	e42	148	781	40	174	25	109	172
10	8.7	23	50	165	e52	462	285	78	215	49	93	102
11	11	113	124	263	e90	185	207	149	91	30	517	111
12	7.5	71	66	188	e140	150	269	266	415	21	172	113
13	9.0	44	54	104	e120	152	264	439	539	18	101	128
14	81	35	73	e75	e110	260	169	190	652	16	65	53
15	47	30	583	e70	e100	379	138	101	297	35	49	202
16	23	25	463	e65	e98	329	120	67	336	72	40	102
17	16	23	211	e60	e98	297	120	54	486	138	33	55
18	23	20	140	54	e90	201	162	252	176	42	29	36
19	25	17	94	e54	e90	225	124	435	136	29	27	28
20	19	19	271	e52	e85	298	383	296	88	23	25	23
21	15	29	486	e52	e85	169	1010	160	90	19	22	70
22	13	29	155	e52	e90	135	561	122	138	19	20	73
23	14	25	e100	e50	e300	120	432	94	67	17	58	2240
24	14	23	e70	e50	e1400	106	252	167	54	14	65	822
25	16	25	e65	e48	2030	99	161	158	275	13	33	245
26	13	209	e65	e46	1050	97	129	107	124	11	25	131
27	11	477	e65	e44	645	80	110	68	244	10	21	92
28	10	146	62	e44	354	79	96	55	89	8.7	20	94
29	9.3	88	e62	42	195	88	80	47	57	168	18	76
30	8.5	62	e70	42	---	119	69	39	78	230	16	58
31	7.4	---	e80	e44	---	91	---	34	---	103	15	---
TOTAL	542.3	2240.3	3794	4509	7621	5528	10661	3972	5226	1409.7	4093	5354
MEAN	17.5	74.7	122	145	263	178	355	128	174	45.5	132	178
MAX	81	477	583	1040	2030	462	2180	439	652	230	1020	2240
MIN	7.4	7.3	33	42	42	79	69	34	28	8.7	15	12
CFSM	.18	.77	1.27	1.51	2.73	1.85	3.69	1.33	1.81	.47	1.37	1.85
IN.	.21	.86	1.46	1.74	2.94	2.13	4.11	1.53	2.02	.54	1.58	2.07

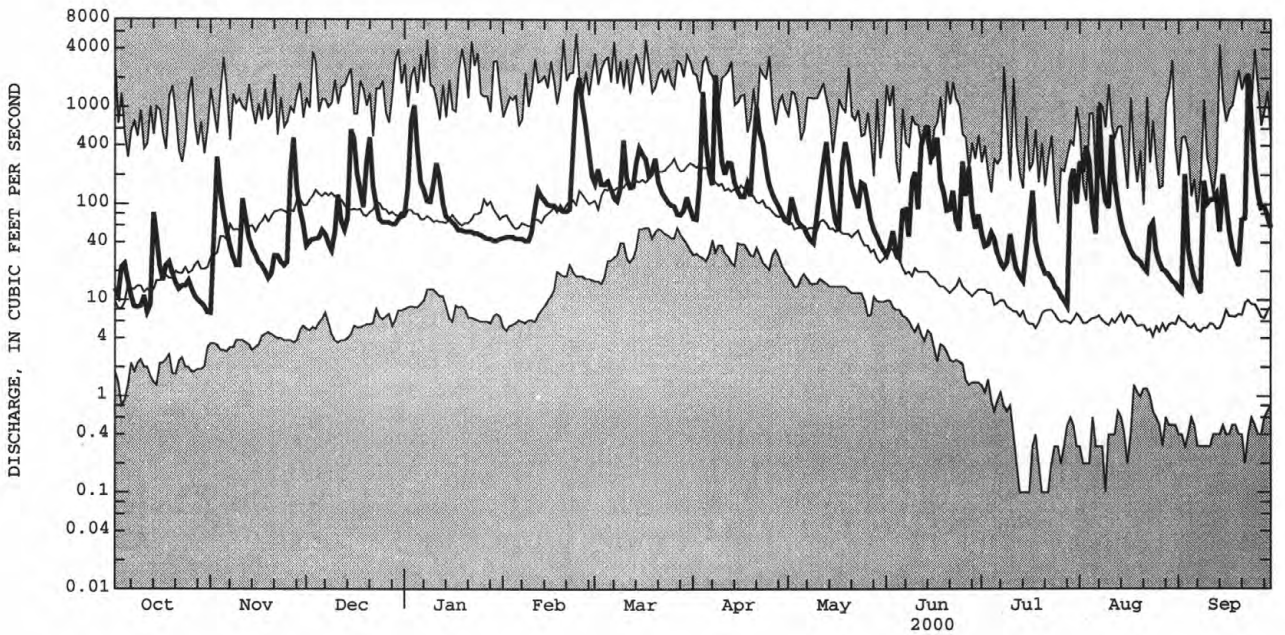
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	59.5	129	186	177	211	339	249	107	56.0	25.0	30.9	48.5
MAX	252	601	505	543	457	680	623	330	338	166	323	572
(WY)	1987	1986	1978	1998	1976	1942	1940	1947	1989	1998	1977	1977
MIN	2.90	4.34	5.60	9.85	25.1	146	36.5	18.7	5.88	1.06	1.87	.80
(WY)	1967	1961	1961	1961	1963	1981	1946	1941	1955	1955	1939	1960

e Estimated

04215000 CAYUGA CREEK NEAR LANCASTER, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1939 - 2000	
ANNUAL TOTAL	34353.17		54950.3			
ANNUAL MEAN	94.1		150		134	
HIGHEST ANNUAL MEAN					206	1956
LOWEST ANNUAL MEAN					78.5	1962
HIGHEST DAILY MEAN	3600	Jan 24	2240	Sep 23	5830	Feb 24 1985
LOWEST DAILY MEAN	.59	Aug 2	7.3	Nov 1	.10	Aug 9 1939
ANNUAL SEVEN-DAY MINIMUM	.82	Jul 30	9.2	Oct 7	.19	Jul 11 1955
ANNUAL RUNOFF (CFSM)	.98		1.56		1.39	
ANNUAL RUNOFF (INCHES)	13.26		21.20		18.95	
10 PERCENT EXCEEDS	241		300		308	
50 PERCENT EXCEEDS	25		72		47	
90 PERCENT EXCEEDS	2.3		17		4.0	



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.

04215500 CAZENOVIA CREEK AT EBENEZER, NY

LOCATION.--Lat 42°49'47", long 78°46'31", Erie County, Hydrologic Unit 04120103, on right bank 30 ft upstream from bridge on Ridge Road in Ebenezer, 4.0 mi upstream from mouth, and 5.0 mi southeast of Buffalo.
DRAINAGE AREA.--135 mi^2.
PERIOD OF RECORD.--June 1940 to current year.
REVISED RECORDS.--WSP 1912: Drainage area. WRD NY 1973: 1972 (M). WDR NY-82-3: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 604.86 ft above sea level. Prior to Apr. 4, 1955, at datum 2.00 ft higher. Apr. 4 to Oct. 12, 1955, nonrecording gage at temporary site 1.3 mi downstream at different datum.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Telephone gage-height telemeter at station. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,500 ft^3/s, Mar. 1, 1955, gage height, 15.82 ft, present datum, from rating curve extended above 7,700 ft^3/s; minimum discharge, 2.6 ft^3/s, Nov. 7, 1953.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 4,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr. 4	0330	4,420	8.11	Sep. 23	1430	*11,000	*12.79
Apr. 8	1715	5,240	8.79				

Minimum discharge, 15 ft^3/s, Oct. 3, 8, 9, 10, 13.

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	63	25	e90	e180	e100	328	142	110	59	e75	583	26
2	27	146	e90	e300	e110	554	148	266	65	e56	213	25
3	18	e1000	83	e1500	e110	313	351	167	65	e60	710	24
4	52	390	94	2310	e110	281	2450	125	51	e80	440	28
5	39	248	117	794	e100	268	840	117	49	e70	127	26
6	27	247	175	366	e100	220	526	115	110	e48	78	23
7	20	137	151	275	e100	186	403	98	111	40	1310	21
8	16	93	103	218	e95	181	3340	88	72	35	269	19
9	20	74	84	192	e95	294	1470	85	162	83	136	943
10	21	81	159	280	e125	524	591	205	157	260	810	255
11	23	296	332	534	e200	283	454	331	303	84	408	238
12	17	153	155	334	e300	256	546	207	804	53	223	226
13	39	104	125	215	e250	245	409	374	420	41	156	168
14	111	87	402	e160	e230	362	301	223	1260	36	109	106
15	96	72	1340	e150	e200	530	248	128	545	106	78	376
16	49	62	540	e140	e200	593	219	101	421	206	76	255
17	39	54	346	e130	e190	558	231	87	406	104	77	131
18	54	47	251	e130	e180	342	284	207	182	131	54	77
19	54	45	192	e120	e180	374	226	691	158	69	51	57
20	42	54	499	e120	e170	490	607	435	113	49	46	49
21	34	89	935	e120	e170	305	1870	244	120	41	40	338
22	30	72	312	e120	e180	236	1050	169	175	39	40	163
23	38	61	e210	e110	e800	204	758	138	91	33	317	5410
24	105	61	e150	e110	2390	180	432	184	e70	28	204	1340
25	78	78	e140	e110	3080	186	262	239	e300	26	82	409
26	51	546	e140	e110	1500	175	187	157	e160	24	52	229
27	39	1100	e140	e100	1110	147	158	111	e280	22	43	160
28	32	293	e130	e100	765	142	143	90	e120	34	39	162
29	29	170	e150	e95	389	162	127	80	e80	169	35	115
30	26	125	e160	e95	---	200	111	71	e100	171	31	90
31	25	---	e200	e100	---	177	---	62	---	165	28	---
TOTAL	1314	6010	7995	9618	13529	9296	18884	5705	7009	2438	6865	11489
MEAN	42.4	200	258	310	467	300	629	184	234	78.6	221	383
MAX	111	1100	1340	2310	3080	593	3340	691	1260	260	1310	5410
MIN	16	25	83	95	95	142	111	62	49	22	28	19
CFSM	.31	1.48	1.91	2.30	3.46	2.22	4.66	1.36	1.73	.58	1.64	2.84
IN.	.36	1.66	2.20	2.65	3.73	2.56	5.20	1.57	1.93	.67	1.89	3.17

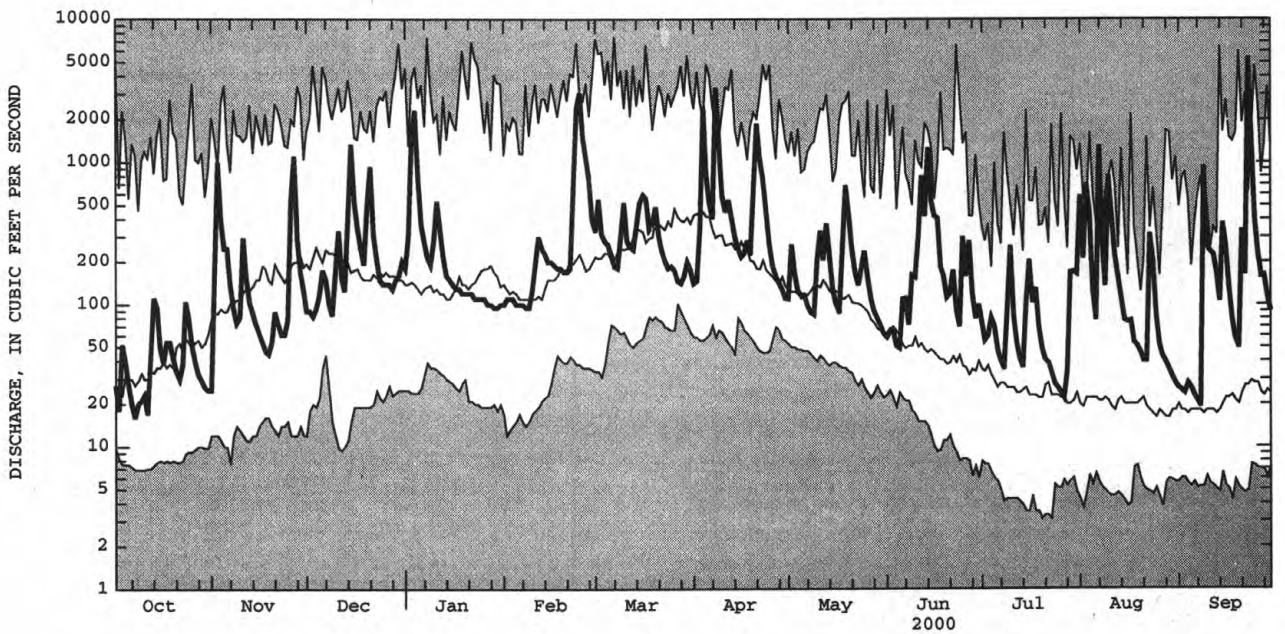
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	112	248	345	305	335	547	418	202	111	53.3	50.6	83.4
MAX	410	705	868	816	859	1062	1005	585	473	381	371	978
(WY)	1946	1986	1991	1998	1976	1945	1947	1984	1989	1992	1977	1977
MIN	9.76	16.2	20.4	37.8	55.8	216	79.9	43.6	17.5	6.11	9.62	7.93
(WY)	1954	1961	1961	1961	1963	1981	1946	1941	1955	1955	1966	1960

e Estimated

04215500 CAZENOVIA CREEK AT EBENEZER, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1940 - 2000	
ANNUAL TOTAL	63956.7		100152			
ANNUAL MEAN	175		274		234	
HIGHEST ANNUAL MEAN					332	1977
LOWEST ANNUAL MEAN					145	1999
HIGHEST DAILY MEAN	4760	Jan 24	5410	Sep 23	7560	Mar 7 1956
LOWEST DAILY MEAN	6.6	Sep 5	16	Oct 8	3.1	Jul 20 1955
ANNUAL SEVEN-DAY MINIMUM	7.5	Aug 31	21	Oct 6	3.5	Jul 17 1955
ANNUAL RUNOFF (CFSM)	1.30		2.03		1.73	
ANNUAL RUNOFF (INCHES)	17.62		27.60		23.52	
10 PERCENT EXCEEDS	438		546		542	
50 PERCENT EXCEEDS	65		142		98	
90 PERCENT EXCEEDS	11		39		15	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.

SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04215900 LAKE ERIE AT BUFFALO, NY

LOCATION.--Lat 42°52'39", long 78°53'26", Erie County, Hydrologic Unit 04120200, near outer end of Buffalo River South Pier, at Buffalo.
DRAINAGE AREA.--263,700 mi^2.
PERIOD OF RECORD.--January 1860 to current year. Records prior to October 1960 in files of Lake Survey Center.
REVISED RECORDS.--WDR NY-75-1: 1974.
GAGE.--Water-stage recorder. Elevations are in feet International Great Lakes Datum (IGLD) of 1985. Prior to Oct. 1, 1991, elevations are in feet (IGLD) of 1955. Prior to Feb. 5, 1899, nonrecording gages.
COOPERATION.--Records furnished by U.S. Department of Commerce, NOAA-NOS, Oceanographic Products and Services Division, Silver Spring, Maryland.
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 581.34 ft, Dec. 2, 1985; minimum elevation, 564.86 ft, Mar. 10, 1964.
EXTREMES FOR CURRENT YEAR.--Maximum elevation, 574.12 ft, Dec. 16; minimum elevation, 567.57 ft, Dec. 14.

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	571.50	570.47	570.43	570.30	570.80	570.32	570.30	570.95	571.14	571.43	571.69	571.31
2	570.87	570.78	570.57	570.42	570.28	570.56	570.32	570.89	571.23	571.54	571.78	571.26
3	570.34	572.46	570.48	569.81	570.03	570.22	570.28	570.84	571.07	571.55	571.77	571.25
4	570.11	571.38	570.48	571.38	569.86	570.20	570.93	570.88	571.04	571.58	571.65	570.87
5	570.89	571.20	570.49	570.44	571.00	570.20	570.90	570.96	570.65	571.53	571.59	570.46
6	570.95	570.81	570.63	570.61	570.13	570.05	570.88	570.92	571.01	571.50	571.70	570.97
7	570.41	570.64	570.50	570.87	570.30	570.14	570.08	570.93	571.18	571.45	572.09	571.22
8	571.00	570.56	570.46	570.73	569.92	570.17	570.57	570.88	571.19	571.51	571.83	571.31
9	570.84	570.95	570.36	570.37	570.15	570.45	570.89	570.99	571.21	571.59	572.04	571.15
10	570.82	570.71	571.08	570.89	569.69	569.95	570.94	571.30	571.18	571.58	571.75	571.15
11	570.70	569.68	570.47	571.63	569.93	569.67	570.23	570.98	571.20	571.62	571.63	571.21
12	570.64	570.81	570.26	570.63	569.83	570.25	570.64	570.88	571.04	571.60	571.51	571.51
13	571.19	570.53	570.11	569.84	569.61	570.17	570.42	571.28	571.10	571.68	571.55	571.17
14	570.70	570.94	569.19	570.41	569.72	570.30	570.53	571.40	571.15	571.76	571.71	571.24
15	570.77	570.74	570.90	570.41	569.97	570.20	570.54	571.15	571.27	571.79	571.74	571.37
16	570.88	570.63	572.40	570.90	570.22	569.92	570.35	570.93	571.26	571.83	571.80	571.32
17	570.72	570.58	570.92	569.89	569.83	570.00	569.51	570.82	571.27	571.92	571.49	572.02
18	570.64	570.60	570.34	570.10	569.37	569.74	570.38	570.97	571.11	571.82	571.52	571.11
19	570.67	570.52	570.12	570.56	569.90	570.09	570.53	569.98	571.24	571.64	571.44	571.08
20	571.11	570.80	571.42	570.39	570.51	570.05	570.28	571.00	571.21	571.68	571.26	571.27
21	570.93	570.35	570.97	570.50	570.01	570.20	570.77	571.09	571.45	571.84	571.23	572.20
22	571.66	570.41	570.99	570.27	569.88	570.29	570.81	571.12	571.51	571.70	571.34	570.72
23	571.36	570.34	570.89	570.63	569.93	570.28	570.87	571.13	571.31	571.56	571.62	571.16
24	570.99	571.20	570.53	570.44	569.90	570.18	570.80	571.29	571.27	571.50	571.40	570.93
25	571.29	570.23	571.30	570.17	569.92	570.58	570.64	571.50	571.42	571.44	571.44	570.57
26	571.37	570.50	572.18	570.21	569.91	570.54	570.71	571.26	571.35	571.41	571.46	570.98
27	570.44	571.18	570.68	570.23	570.26	570.40	570.72	571.10	571.41	571.44	571.27	571.44
28	570.56	570.84	571.19	570.24	570.27	570.46	570.76	570.76	571.37	571.38	571.08	570.67
29	570.45	570.65	571.14	569.89	569.98	570.94	570.84	570.95	571.42	571.41	571.33	570.87
30	570.52	570.32	570.75	570.01	---	570.59	570.77	571.13	571.47	571.36	571.35	571.01
31	570.70	---	570.39	571.41	---	570.42	---	571.24	---	571.47	571.28	---
MEAN	570.84	570.73	570.73	570.47	570.04	570.24	570.57	571.02	571.22	571.58	571.56	571.16
MAX	571.66	572.46	572.40	571.63	571.00	570.94	570.94	571.50	571.51	571.92	572.09	572.20
MIN	570.11	569.68	569.19	569.81	569.37	569.67	569.51	569.98	570.65	571.36	571.08	570.46

CAL YR 1999 MEAN 571.22 MAX 572.99 MIN 569.19
WTR YR 2000 MEAN 570.85 MAX 572.46 MIN 569.19

04216000 NIAGARA RIVER AT BUFFALO, NY

LOCATION.--Lat 42°52'40", long 78°55'00", Erie County, Hydrologic Unit 04120104, at head of Niagara River at Buffalo, and 34.3 mi upstream from mouth.
DRAINAGE AREA.--263,700 mi^2.
PERIOD OF RECORD.--January 1860 to September 1960 (monthly discharges only published in WSP 1912), October 1960 to current year. Records of January 1926 to September 1960 daily discharges available in files of U.S. Department of Commerce and U.S. Geological Survey.
REVISED RECORDS.--WSP 1912: 1862(M), 1955 (M), 1936 (M), WDR NY-77-1: Drainage area.
GAGE.--Discharge determined from several powerplants at Niagara Falls and discharge over the falls. Discharge before 1926 determined from records of Corps of Engineers gages at Buffalo and Cleveland.
REMARKS.--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, and from Lake Erie by Welland and New York State Canals before 1918. 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. Figures of monthly mean discharge for 1860 to 1960 and daily discharge for 1961 to 1965, published in WSP 1912, are the official records of the U.S. Lake Survey, and have been coordinated with and concurred by the counterpart Canadian agencies, as have been the extremes for period of record through December 1976 and records October 1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 347,000 ft^3/s, Dec. 2, 1985, result of high, storm-generated Lake Erie level; minimum daily, 90,000 ft^3/s, Jan. 13, 1964, Aug. 29, 1984. Maximum monthly mean discharge, 268,400 ft^3/s, June 1986; minimum monthly mean, 116,200 ft^3/s, February 1936. Maximum and minimum instantaneous discharge not determined.
EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 231,000 ft^3/s, Dec. 16; minimum daily discharge, 151,000 ft^3/s, Dec. 14. Maximum and minimum instantaneous discharge not determined.
COOPERATION.--Records of daily discharge furnished by Detroit District Corps of Engineers and Canada Department of the Environment.

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

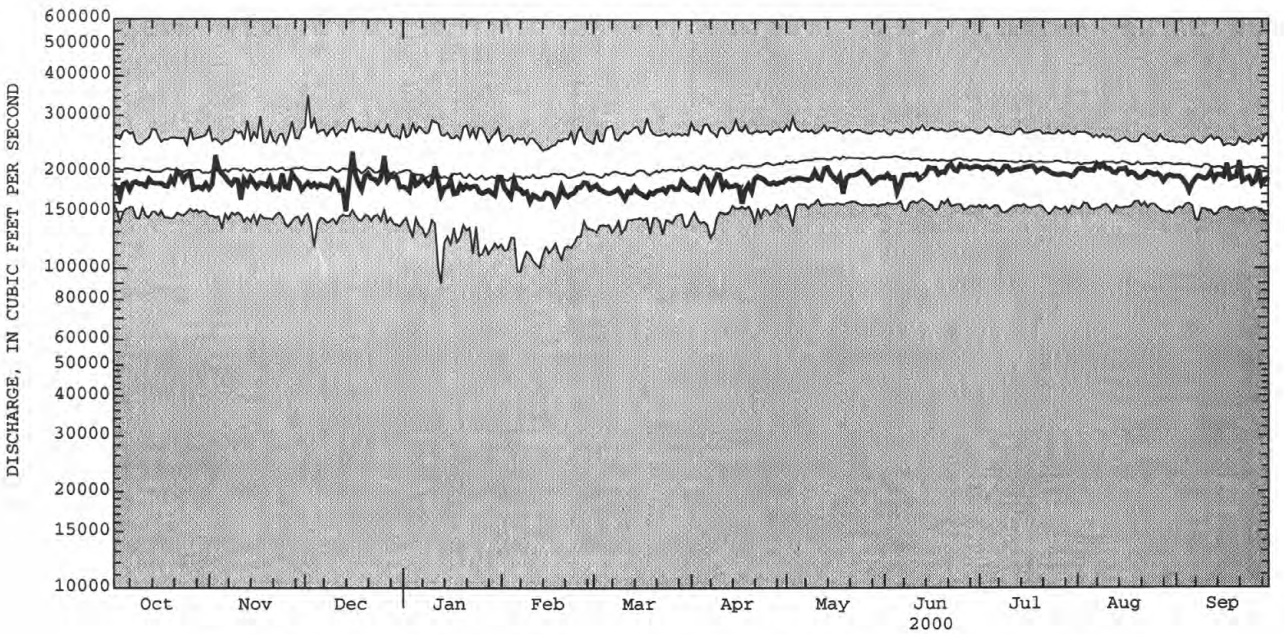
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	198000	177000	181000	180000	193000	180000	176000	190000	192000	207000	203000	193000
2	184000	183000	185000	178000	178000	183000	178000	191000	197000	204000	204000	193000
3	178000	225000	180000	174000	173000	177000	174000	189000	191000	207000	204000	190000
4	166000	204000	184000	198000	167000	175000	187000	191000	192000	207000	201000	184000
5	183000	197000	179000	182000	189000	173000	194000	191000	173000	204000	202000	174000
6	185000	193000	183000	185000	178000	172000	189000	191000	184000	204000	201000	184000
7	176000	187000	181000	191000	177000	173000	175000	190000	195000	198000	211000	190000
8	185000	182000	181000	188000	172000	175000	186000	189000	195000	201000	206000	194000
9	186000	189000	178000	182000	174000	178000	197000	191000	196000	208000	211000	192000
10	183000	188000	190000	186000	162000	171000	196000	201000	195000	208000	204000	190000
11	183000	164000	187000	208000	170000	165000	179000	192000	197000	201000	204000	192000
12	180000	189000	175000	189000	168000	174000	186000	190000	190000	202000	199000	200000
13	190000	182000	176000	170000	165000	173000	180000	205000	193000	203000	198000	188000
14	185000	192000	151000	179000	165000	180000	181000	207000	197000	203000	203000	195000
15	184000	185000	186000	180000	173000	174000	183000	197000	207000	206000	203000	195000
16	184000	179000	231000	190000	172000	172000	180000	192000	205000	207000	205000	193000
17	184000	185000	195000	171000	169000	169000	160000	188000	205000	208000	196000	211000
18	181000	184000	183000	172000	159000	167000	176000	195000	196000	208000	199000	190000
19	180000	181000	176000	183000	167000	173000	183000	172000	200000	200000	197000	192000
20	191000	191000	194000	177000	181000	171000	174000	191000	199000	203000	191000	193000
21	185000	177000	198000	182000	171000	175000	191000	195000	208000	205000	191000	215000
22	201000	180000	191000	178000	168000	176000	194000	195000	211000	203000	194000	187000
23	197000	177000	190000	181000	171000	178000	192000	196000	203000	200000	200000	190000
24	188000	197000	185000	181000	173000	173000	190000	199000	201000	197000	198000	192000
25	195000	179000	191000	174000	179000	180000	185000	202000	210000	196000	195000	183000
26	199000	178000	224000	172000	179000	181000	184000	198000	207000	195000	197000	187000
27	177000	198000	189000	174000	186000	177000	186000	192000	208000	196000	194000	202000
28	179000	191000	195000	176000	185000	177000	184000	185000	205000	196000	187000	182000
29	179000	187000	193000	172000	177000	188000	186000	188000	207000	195000	193000	188000
30	177000	176000	192000	169000	---	183000	186000	192000	208000	193000	195000	191000
31	184000	---	179000	193000	---	179000	---	193000	---	197000	193000	---
TOTAL	5727000	5597000	5803000	5615000	5041000	5442000	5512000	5978000	5967000	6262000	6179000	5750000
MEAN	184700	186600	187200	181100	173800	175500	183700	192800	198900	202000	199300	191700
MAX	201000	225000	231000	208000	193000	188000	197000	207000	211000	208000	211000	215000
MIN	166000	164000	151000	169000	159000	165000	160000	172000	173000	193000	187000	174000

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

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	201000	201200	201600	195800	193200	199400	208300	216900	216600	212700	208900	204600
MAX	254000	248000	260900	254000	241600	255500	264200	264700	268400	265200	253500	243700
(WY)	1987	1987	1986	1987	1987	1986	1985	1974	1986	1986	1986	1986
MIN	152700	148100	149800	138500	116200	142700	152000	159100	158000	154100	155000	153900
(WY)	1935	1935	1965	1964	1936	1934	1935	1934	1934	1934	1934	1934

04216000 NIAGARA RIVER AT BUFFALO, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1926 - 2000	
ANNUAL TOTAL	70679000		68873000			
ANNUAL MEAN	193600		188200		205500	
HIGHEST ANNUAL MEAN					249600	1986
LOWEST ANNUAL MEAN					155300	1934
HIGHEST DAILY MEAN	244000	Jan 4	231000	Dec 16	347000	Dec 2 1985
LOWEST DAILY MEAN	134000	Jan 14	151000	Dec 14	90000	Jan 13 1964
ANNUAL SEVEN-DAY MINIMUM	170000	Jan 8	167000	Feb 13	105000	Feb 6 1936
10 PERCENT EXCEEDS	207000		204000		239000	
50 PERCENT EXCEEDS	194000		189000		206000	
90 PERCENT EXCEEDS	180000		173000		170000	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.

SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04216060 NIAGARA RIVER AT ANDERSON PARK, BUFFALO, NY

LOCATION.--Lat 42°54'53", long 78°54'12", Erie County, Hydrologic Unit 04120104, at Anderson Park (Broderick Park) dock at foot of Ferry Street on Squaw Island, Buffalo, 0.6 mi downstream from Peace Bridge.
DRAINAGE AREA.--263,700 mi^2.
PERIOD OF RECORD.--October 1984 to current year. Prior to October 1987, published as "at Bird Island."
GAGE.--Water-stage recorder. Datum of gage is International Great Lakes Datum (IGLD) of 1985.Prior to Oct. 1, 1991, datum of gage was International Great Lakes Datum (IGLD) of 1955.
EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 569.93 ft, Dec. 2, 1985; minimum daily, 564.16 ft, Mar. 3, 1989.
EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 567.24 ft, Sep. 21; minimum daily, 564.52 ft, Dec. 14.

ELEVATION (FEET ABOVE SEA LEVEL), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	566.68	565.62	565.40	565.19	---	565.46	---	565.68	565.95	566.42	566.69	566.47
2	566.17	565.87	565.36	565.27	---	565.63	---	565.83	566.13	566.44	566.76	566.47
3	565.99	567.17	565.41	564.96	---	565.28	---	565.64	565.97	566.53	566.86	566.45
4	565.53	566.40	565.46	565.99	---	565.26	---	565.53	565.92	566.54	566.66	566.23
5	566.17	566.16	565.44	565.52	---	565.35	---	565.82	565.32	566.48	566.67	565.98
6	566.31	565.79	565.69	---	---	565.24	---	565.63	565.86	566.42	566.71	566.26
7	565.91	565.52	565.59	---	---	565.26	---	565.65	566.07	566.29	567.03	566.41
8	566.23	565.59	565.49	---	---	565.27	565.64	565.62	566.10	566.39	566.88	566.50
9	566.24	565.86	565.40	---	---	565.44	566.04	565.73	566.16	566.59	567.08	566.43
10	566.11	565.73	565.88	---	---	565.11	565.86	566.04	566.11	566.64	566.88	566.36
11	566.10	564.94	565.46	---	---	---	565.29	565.72	566.20	566.46	566.81	566.47
12	565.95	565.74	565.26	---	---	---	565.67	565.71	566.01	566.45	566.66	566.67
13	566.29	565.47	565.23	---	---	---	565.50	566.11	566.07	566.42	566.72	566.43
14	566.23	565.82	564.52	---	---	---	565.57	566.14	566.15	566.54	566.79	566.48
15	566.03	565.71	565.72	---	---	---	565.53	565.91	566.33	566.66	566.82	566.64
16	566.09	565.69	566.94	---	---	---	565.43	565.77	566.27	566.64	566.94	566.51
17	566.02	565.56	565.88	---	---	---	564.74	565.60	566.18	566.71	566.66	567.04
18	565.88	565.51	565.36	---	564.69	---	565.30	565.87	565.97	566.69	566.62	566.35
19	565.86	565.49	565.12	---	564.91	---	565.43	565.12	566.17	566.44	566.64	566.34
20	566.24	565.65	565.95	---	565.54	---	565.30	565.83	566.16	566.54	566.44	566.39
21	566.11	565.39	565.91	---	565.23	---	565.79	565.94	566.47	566.68	566.45	567.24
22	566.59	565.38	565.81	---	565.11	---	565.73	565.91	566.57	566.62	566.50	566.13
23	566.44	565.36	565.75	---	565.16	---	565.76	565.86	566.33	566.49	566.74	566.40
24	566.15	565.96	565.38	---	565.13	---	565.68	565.96	566.24	566.50	566.55	566.36
25	566.24	565.28	565.86	---	565.28	---	565.51	566.15	566.48	566.44	566.57	566.06
26	566.34	565.39	566.70	---	565.18	---	565.51	565.98	566.41	566.41	566.62	566.30
27	565.64	565.97	565.56	---	565.42	---	565.54	565.81	566.57	566.45	566.49	566.75
28	565.70	565.75	565.85	---	565.45	---	565.52	565.62	566.31	566.42	566.31	566.06
29	565.69	565.52	565.71	---	565.21	---	565.65	565.75	566.43	566.48	566.49	566.18
30	565.70	565.37	565.66	---	---	---	565.59	565.87	566.57	566.42	566.51	566.27
31	565.86	---	565.25	---	---	---	---	565.91	---	566.56	566.44	---
MEAN	566.08	565.69	565.61	---	---	---	---	565.80	566.18	566.51	566.68	566.42
MAX	566.68	567.17	566.94	---	---	---	---	566.15	566.57	566.71	567.08	567.24
MIN	565.53	564.94	564.52	---	---	---	---	565.12	565.32	566.29	566.31	565.98

04216218 BLACK ROCK CANAL AT BLACK ROCK LOCK, BUFFALO, NY

LOCATION.--Lat 42°56'01", long 78°54'18", Erie County, Hydrologic Unit 04120104, at Black Rock Lock adjacent to U.S. Army Corps of Engineers installation at foot of Hamilton Street, Buffalo and 0.2 mi downstream from International railroad bridge.
DRAINAGE AREA.--263,700 mi^2.
PERIOD OF RECORD.--October 1984 to March 1997, November 1998 to current year.
GAGE.--Water stage recorder. Datum of gage is International Great Lakes Datum (IGLD) of 1985. Prior to Oct. 1, 1991, datum of gage was International Great Lakes Datum (IGLD) of 1955.
REMARKS.--Stage accurate to 0.10 ft Oct. 1 to Jan. 31.
EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 575.95 ft, Dec. 2, 1985; minimum daily, 569.15 ft, Oct. 19, 1989.
EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 572.50 ft, Dec. 16; minimum daily, 569.36 ft, Feb. 18.

ELEVATION (FEET ABOVE SEA LEVEL), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	571.40	570.40	570.50	570.30	570.78	570.38	570.31	570.95	571.15	571.79	571.67	571.30
2	570.70	570.70	570.60	570.50	570.28	570.52	570.31	570.89	571.45	571.76	571.80	571.24
3	570.30	572.40	570.50	569.80	570.02	570.22	570.27	570.84	571.13	571.79	571.75	571.22
4	569.80	571.30	570.50	571.40	569.85	570.20	570.90	570.86	571.10	571.86	571.61	570.87
5	570.70	571.20	570.60	570.50	571.00	570.20	570.90	570.98	570.30	571.70	571.59	570.44
6	570.80	570.80	570.70	570.70	570.12	570.06	570.89	570.93	570.98	571.63	571.68	570.93
7	570.20	570.60	570.50	570.90	570.28	570.14	570.11	570.94	571.35	571.49	572.08	571.20
8	570.90	570.50	570.50	570.80	569.91	570.18	570.50	570.88	571.37	571.65	571.83	571.31
9	570.80	570.90	570.40	570.40	570.14	570.45	570.87	571.01	571.40	571.85	572.03	571.14
10	570.70	570.70	571.10	570.90	569.67	569.93	570.94	571.28	571.34	571.88	571.71	571.11
11	570.60	569.60	570.50	571.70	569.92	569.65	570.20	570.95	571.40	571.58	571.63	571.22
12	570.50	570.80	570.30	570.70	569.83	570.24	570.64	570.87	571.08	571.59	571.47	571.51
13	571.00	570.50	570.10	569.80	569.60	570.16	570.43	571.30	571.14	571.65	571.53	571.12
14	570.70	570.90	570.20	570.40	569.71	570.31	570.52	571.40	571.26	571.74	571.69	571.21
15	570.60	570.70	570.90	570.50	569.97	570.21	570.55	571.15	571.56	571.78	571.71	571.38
16	570.80	570.60	572.50	570.90	570.19	569.91	570.39	570.93	571.48	571.80	571.80	571.27
17	570.60	570.60	570.90	569.90	569.82	569.98	569.54	570.82	571.51	571.89	571.46	572.03
18	570.50	570.60	570.40	570.10	569.36	569.74	570.35	571.08	571.19	571.84	571.48	571.10
19	570.60	570.50	570.20	570.60	569.89	570.09	570.53	570.02	571.44	571.59	571.43	571.07
20	571.00	570.80	571.50	570.40	570.50	570.06	570.22	570.95	571.40	571.66	571.22	571.22
21	570.80	570.40	571.00	570.40	570.01	570.20	570.78	571.10	571.87	571.82	571.22	572.21
22	571.60	570.40	571.00	570.10	569.88	570.28	570.80	571.11	571.96	571.68	571.32	570.73
23	571.20	570.40	570.90	570.50	569.92	570.28	570.85	571.13	571.59	571.55	571.60	571.10
24	570.90	571.20	570.60	570.30	569.88	570.17	570.79	571.28	571.53	571.48	571.37	570.94
25	571.20	570.20	571.40	570.00	569.98	570.59	570.62	571.47	571.77	571.42	571.42	570.56
26	571.40	570.50	572.20	570.10	569.90	570.53	570.69	571.27	571.65	571.40	571.45	570.93
27	570.40	571.20	570.70	570.10	570.27	570.40	570.71	571.08	571.81	571.42	571.26	571.48
28	570.50	570.80	571.20	570.10	570.29	570.46	570.76	570.72	571.66	571.36	571.05	570.62
29	570.40	570.60	571.20	569.70	569.98	570.92	570.84	570.94	571.77	571.39	571.31	570.85
30	570.40	570.30	570.80	569.90	---	570.59	570.77	571.14	571.90	571.33	571.34	571.02
31	570.60	---	570.40	571.30	---	570.42	---	571.23	---	571.45	571.27	---
MEAN	570.73	570.70	570.80	570.44	570.03	570.24	570.57	571.02	571.42	571.64	571.54	571.14
MAX	571.60	572.40	572.50	571.70	571.00	570.92	570.94	571.47	571.96	571.89	572.08	572.21
MIN	569.80	569.60	570.10	569.70	569.36	569.65	569.54	570.02	570.30	571.33	571.05	570.44

CAL YR 1999 MEAN 571.14 MAX 572.91 MIN 569.17
WTR YR 2000 MEAN 570.86 MAX 572.50 MIN 569.36

04216220 NIAGARA RIVER AT BLACK ROCK LOCK, BUFFALO, NY

LOCATION.--Lat. 42°56'02", long 78°54'17", Erie County, Hydrologic Unit 04120104, at Black Rock Lock adjacent to U.S. Army Corps of Engineers installation at foot of Hamilton Street, Buffalo and 0.2 mi downstream from International railroad bridge.
DRAINAGE AREA.--263,700 mi^2.
PERIOD OF RECORD.--October 1984 to March 1997, November 1998 to current year.
GAGE.--Water-stage recorder. Datum of gage is International Great Lakes Datum (IGLD) of 1985. Prior to Oct. 1, 1991, datum of gage was International Great Lakes Datum (IGLD) of 1955.
REMARKS.--Stage accurate to 0.10 ft Oct. 1 to Jan. 21.
EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 568.80 ft, Jan. 21, 1985; minimum daily, 561.92 ft, Jan. 14, 1999.
EXTREMES FOR CURRENT YEAR.--Maximum daily elevation, 566.36 ft, Sep. 21; minimum daily, 563.70 ft, Dec. 14.

ELEVATION (FEET ABOVE SEA LEVEL), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	565.70	564.70	564.50	564.30	565.07	564.60	564.57	564.77	565.06	565.49	565.85	565.64
2	565.20	564.90	564.40	564.30	564.57	564.77	564.57	564.96	565.22	565.52	565.91	565.63
3	565.10	566.20	564.50	564.10	564.22	564.42	564.54	564.75	565.08	565.60	566.01	565.63
4	564.60	565.50	564.60	565.00	564.10	564.41	564.98	564.61	565.04	565.62	565.80	565.42
5	565.20	565.20	564.50	564.60	565.11	564.49	565.09	564.94	564.50	565.55	565.84	565.21
6	565.30	564.80	564.80	564.70	564.42	564.40	564.94	564.73	564.99	565.50	565.85	565.45
7	565.00	564.50	564.70	564.90	564.56	564.42	564.50	564.74	565.18	565.37	566.17	565.59
8	565.30	564.60	564.60	564.60	564.19	564.43	564.78	564.72	565.22	565.49	566.04	565.69
9	565.30	564.90	564.50	564.40	564.24	564.57	565.21	564.84	565.27	565.69	566.21	565.61
10	565.20	564.80	564.90	564.60	564.05	564.27	564.98	565.13	565.24	565.72	566.04	565.55
11	565.20	564.00	564.50	565.40	564.24	564.15	564.45	564.81	565.32	565.56	565.95	565.65
12	565.00	564.80	564.30	564.80	564.30	564.43	564.82	564.82	565.15	565.57	565.82	565.84
13	565.30	564.50	564.30	564.00	564.04	564.39	564.67	565.21	565.21	565.51	565.89	565.61
14	565.30	564.80	563.70	564.40	564.01	564.47	564.73	565.25	565.29	565.65	565.94	565.66
15	565.10	564.70	564.80	564.50	564.08	564.45	564.68	565.02	565.44	565.75	565.98	565.79
16	565.20	564.70	566.00	564.90	564.39	564.36	564.59	564.89	565.39	565.75	566.08	565.67
17	565.10	564.60	565.00	564.00	564.17	564.35	563.96	564.71	565.25	565.82	565.82	566.18
18	564.90	564.60	564.40	564.10	563.90	564.20	564.44	564.97	565.06	565.80	565.76	565.53
19	564.90	564.60	564.20	564.60	564.05	564.44	564.56	564.31	565.26	565.54	565.79	565.53
20	565.20	564.70	564.90	564.50	564.67	564.37	564.47	564.95	565.27	565.67	565.60	565.57
21	565.20	564.50	565.00	565.10	564.42	564.49	564.94	565.06	565.54	565.80	565.62	566.36
22	565.60	564.40	564.80	564.39	564.30	564.53	564.84	565.02	565.65	565.75	565.67	565.34
23	565.40	564.40	564.80	564.57	564.34	564.50	564.87	564.96	565.43	565.63	565.89	565.58
24	565.20	565.00	564.40	564.66	564.31	564.40	564.80	565.05	565.34	565.64	565.70	565.55
25	565.30	564.40	564.90	564.40	564.47	564.69	564.62	565.23	565.56	565.60	565.73	565.28
26	565.40	564.40	565.70	564.46	564.38	564.63	564.61	565.07	565.50	565.57	565.79	565.49
27	564.70	565.00	564.60	564.42	564.58	564.55	564.64	564.90	565.65	565.60	565.65	565.94
28	564.80	564.80	564.90	564.37	564.61	564.59	564.62	564.75	565.37	565.58	565.49	565.26
29	564.80	564.60	564.70	564.07	564.40	565.03	564.76	564.87	565.48	565.64	565.66	565.37
30	564.80	564.50	564.80	564.07	---	564.71	564.71	564.96	565.63	565.58	565.67	565.47
31	564.90	---	564.30	565.14	---	564.55	---	565.00	---	565.73	565.60	---
MEAN	565.14	564.74	564.68	564.53	564.35	564.49	564.70	564.90	565.29	565.62	565.83	565.60
MAX	565.70	566.20	566.00	565.40	565.11	565.03	565.21	565.25	565.65	565.82	566.21	566.36
MIN	564.60	564.00	563.70	564.00	563.90	564.15	563.96	564.31	564.50	565.37	565.49	565.21

CAL YR 1999 MEAN 565.03 MAX 566.25 MIN 561.92
WTR YR 2000 MEAN 564.99 MAX 566.36 MIN 563.70

04216418 TONAWANDA CREEK AT ATTICA, NY

LOCATION.--Lat 42°51'50", long 78°17'02", Wyoming County, Hydrologic Unit 04120104, on right bank behind Village Hall and fire station, 150 ft downstream from bridge on State Highway 238 (Main Street) at Attica, and 0.4 mi upstream from Tannery Creek.
DRAINAGE AREA.--76.9 mi^2.
PERIOD OF RECORD.--October 1977 to current year.
REVISED RECORDS.--WDR NY-79-1: 1978 (M). WDR NY-82-3: Drainage area.
GAGE.--Water-stage recorder, crest-stage gage, and concrete weir. Datum of gage is 954.63 ft above sea level.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,400 ft^3/s, July 8, 1998, gage height, 12.71 ft, from high-water mark, from rating curve extended above 4,800 ft^3/s; minimum discharge, 3.1 ft^3/s, Aug. 26, Sep. 7, 1995; minimum gage height, 3.29 ft, Aug. 26, Sep. 7, and Oct. 2, 1995.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, about 6,000 ft^3/s, June 23, 1972, gage height, about 12.0 ft, from information supplied by Village of Attica.
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)
Apr. 8	1715	2,350	7.05	Sep. 23	1430	*4,150	*8.78
Sep. 2	2315	2,300	6.99				

Minimum discharge 13 ft^3/s, Aug. 31, Sep. 1, gage height, 3.31 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	37	19	49	58	e54	182	79	82	49	45	127	15
2	23	24	46	141	e54	227	81	160	68	37	139	323
3	19	102	47	560	e54	166	158	109	65	37	181	332
4	26	86	51	617	e54	157	789	89	49	44	131	80
5	33	76	52	257	e54	169	303	86	45	40	63	54
6	24	77	57	151	e52	151	209	78	103	35	48	39
7	19	50	53	124	e52	127	159	72	82	33	386	31
8	18	39	44	96	e50	124	1260	67	53	31	117	26
9	20	33	39	93	e50	147	492	63	140	32	71	465
10	21	32	50	160	e55	279	264	113	130	53	83	160
11	20	101	86	223	e65	157	214	137	150	39	189	116
12	19	54	55	151	e90	137	232	260	353	33	164	84
13	18	39	50	e90	e95	124	208	282	304	31	144	98
14	49	33	56	e85	e85	163	170	175	388	36	74	60
15	44	29	297	e85	e80	238	138	115	201	51	55	135
16	29	25	289	e85	e75	254	120	93	145	64	47	97
17	24	23	154	e80	e75	224	140	83	120	73	36	64
18	32	21	e100	e76	e70	157	145	110	98	81	31	48
19	33	21	e90	e75	e70	184	117	264	95	57	27	40
20	26	21	184	e75	e66	221	313	212	72	36	24	37
21	23	23	281	e75	e65	156	517	160	79	25	21	84
22	22	22	119	e72	e65	127	407	129	85	25	19	57
23	22	21	e90	e70	e200	111	378	110	60	23	42	1540
24	63	23	e75	e70	e850	99	247	153	54	22	46	448
25	38	35	87	e65	1290	97	171	181	70	20	26	211
26	29	151	e90	e65	845	87	134	117	62	19	21	133
27	24	301	e80	e62	649	78	118	90	95	18	19	99
28	22	119	e70	e60	394	77	110	75	61	47	19	130
29	21	79	e70	e56	216	94	96	67	48	94	17	90
30	20	67	e70	e52	---	106	84	59	57	65	16	76
31	19	---	e65	e54	---	97	---	51	---	42	15	---
TOTAL	837	1746	2946	3983	5874	4717	7853	3842	3381	1288	2398	5172
MEAN	27.0	58.2	95.0	128	203	152	262	124	113	41.5	77.4	172
MAX	63	301	297	617	1290	279	1260	282	388	94	386	1540
MIN	18	19	39	52	50	77	79	51	45	18	15	15
CFSM	.35	.76	1.24	1.67	2.63	1.98	3.40	1.61	1.47	.54	1.01	2.24
IN.	.40	.84	1.43	1.93	2.84	2.28	3.80	1.86	1.64	.62	1.16	2.50

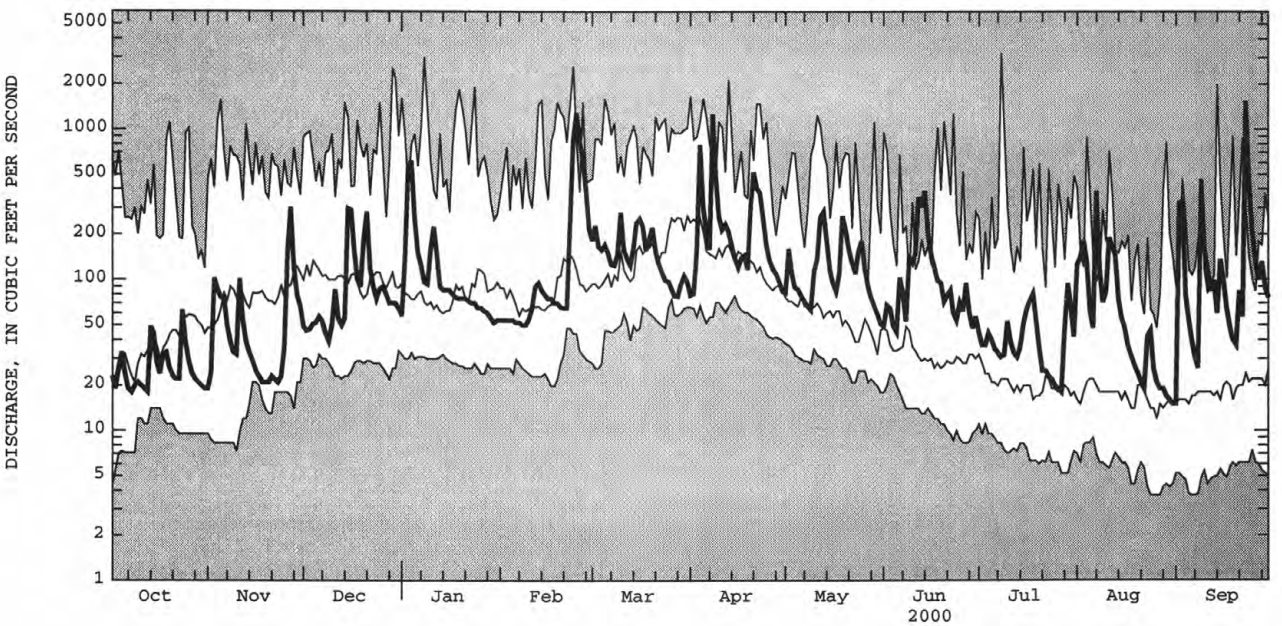
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	67.0	122	154	144	146	225	211	102	62.1	43.4	35.0	49.1
MAX	182	353	329	361	293	459	366	264	278	221	192	172
(WY)	1987	1986	1978	1998	1981	1979	1978	1984	1989	1998	1992	2000
MIN	10.8	16.6	34.5	41.5	34.4	122	73.1	36.4	16.5	10.1	7.28	6.19
(WY)	1992	1992	1990	1994	1980	1981	1995	1995	1999	1983	1991	1995

e Estimated

04216418 TONAWANDA CREEK AT ATTICA, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1978 - 2000	
ANNUAL TOTAL	29526.0		44037			
ANNUAL MEAN	80.9		120		113	
HIGHEST ANNUAL MEAN					157	1978
LOWEST ANNUAL MEAN					72.8	1995
HIGHEST DAILY MEAN	1900	Jan 24	1540	Sep 23	3200	Jul 8 1998
LOWEST DAILY MEAN	6.5	Jul 30	15	Aug 31	3.7	Aug 24 1995
ANNUAL SEVEN-DAY MINIMUM	8.0	Jul 25	17	Aug 26	3.9	Aug 23 1995
ANNUAL RUNOFF (CFSM)	1.05		1.56		1.47	
ANNUAL RUNOFF (INCHES)	14.28		21.30		19.98	
10 PERCENT EXCEEDS	180		241		250	
50 PERCENT EXCEEDS	35		75		61	
90 PERCENT EXCEEDS	11		23		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.

04217000 TONAWANDA CREEK AT BATAVIA, NY

LOCATION.--Lat 42°59'51", long 78°11'20", Genesee County, Hydrologic Unit 04120104, on right bank 150 ft downstream from municipal dam, 500 ft upstream from bridge on Walnut Street in Batavia, and 5.0 mi downstream from Little Tonawanda Creek.
DRAINAGE AREA.--171 mi^2.
PERIOD OF RECORD.--July 1944 to current year.
REVISED RECORDS.--WSP 1627: 1956-57. WSP 1912: Drainage area.
GAGE.--Water-stage recorder, crest-stage gage, and concrete control. Datum of gage is 876.33 ft above sea level.
REMARKS.--No estimated daily discharges. Records good. Diversion upstream from station by city of Batavia for municipal supply; sewage, which may include water from municipal and industrial wells upstream from gage, enters creek downstream from gage. Telephone gage-height telemeter at station. Several measurements of water temperature were made during the year.
COOPERATION.--City of Batavia maintains records of diversion.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,200 ft^3/s, Mar. 31, 1960, gage height, 12.70 ft; maximum gage height, 13.85 ft, Apr. 6, 1947; minimum discharge, 0.4 ft^3/s, Aug. 5, 6, 7, 1955; minimum gage height, 0.59 ft, July 26, 27, 1948.
EXTREMES OUTSIDE PERIOD OF RECORD.--From records of city of Batavia, maximum stage, 14.5 ft, in March 1942.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 26	0230	*2,840	*8.09	Apr. 9	1230	2,720	7.85

Minimum discharge, 20 ft^3/s, Oct. 13, gage height, 1.46 ft.

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

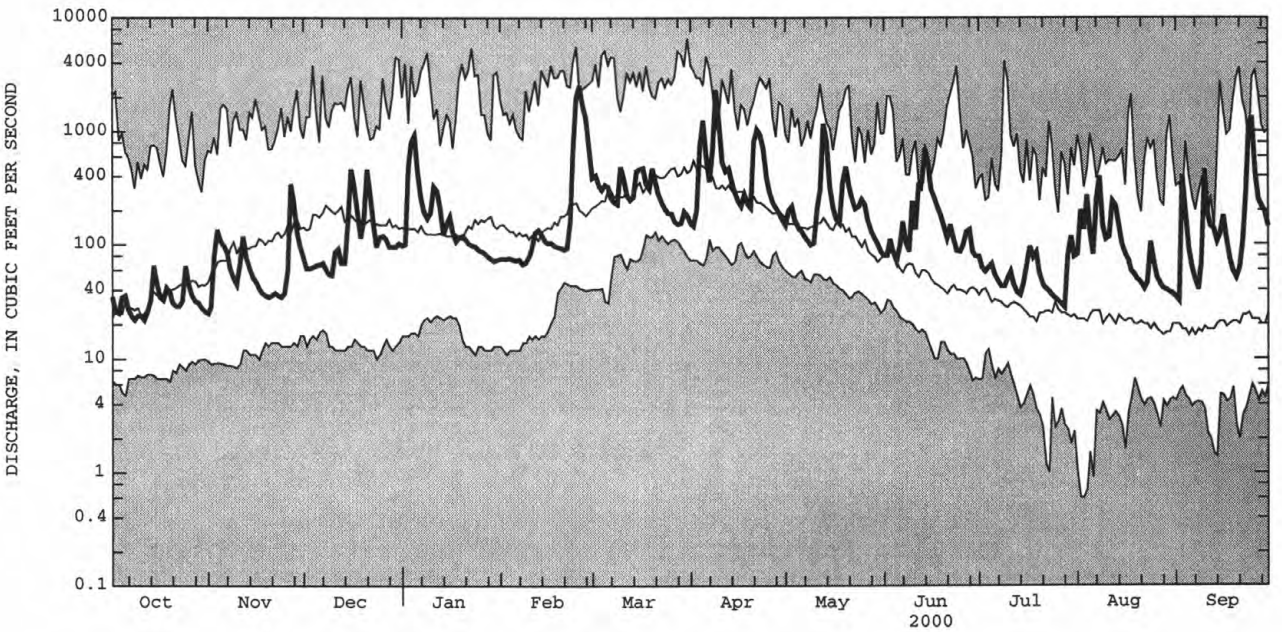
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	63	25	77	98	75	390	154	148	80	79	82	35
2	35	29	62	101	75	410	146	199	80	63	198	32
3	26	80	62	484	75	336	203	217	111	58	135	406
4	25	136	64	812	76	304	738	162	85	63	269	196
5	35	108	66	933	74	337	1250	143	71	68	129	93
6	36	98	67	432	73	325	599	132	95	54	82	63
7	27	86	69	259	74	261	360	118	158	48	245	49
8	24	61	61	195	68	236	701	108	103	43	396	40
9	22	51	55	171	70	227	2320	99	87	43	146	74
10	24	45	54	192	79	485	1230	103	240	51	111	456
11	24	68	86	327	94	383	533	205	136	58	117	183
12	22	119	92	300	128	275	440	306	338	44	239	143
13	26	76	69	212	135	249	472	1160	354	38	219	137
14	33	62	69	123	123	264	367	825	699	36	146	106
15	66	53	155	154	108	446	290	322	509	46	99	125
16	46	48	465	178	103	468	242	211	303	67	82	177
17	35	42	326	130	104	478	218	168	256	95	73	109
18	33	38	199	107	98	344	276	155	210	77	58	74
19	42	36	115	116	96	311	230	349	180	85	54	58
20	39	35	171	120	94	472	212	483	142	55	49	51
21	31	36	464	113	91	363	807	329	114	45	46	62
22	29	38	276	102	94	274	1040	256	148	41	41	105
23	29	36	158	98	162	233	936	206	112	39	47	284
24	32	35	96	97	679	207	700	214	88	36	104	1180
25	65	38	117	90	2010	189	397	251	87	34	70	1340
26	45	59	120	88	2540	187	284	226	100	32	51	436
27	36	342	112	84	1720	159	236	160	129	30	45	248
28	32	238	96	79	1330	152	211	131	135	28	41	215
29	31	130	96	75	729	155	190	114	87	80	40	195
30	28	95	96	72	---	196	166	101	79	117	38	144
31	26	---	103	74	---	180	---	87	---	78	37	---
TOTAL	1067	2343	4118	6416	11177	9296	15948	7688	5316	1731	3489	6816
MEAN	34.4	78.1	133	207	385	300	532	248	177	55.8	113	227
MAX	66	342	465	933	2540	485	2320	1160	699	117	396	1340
MIN	22	25	54	72	68	152	146	87	71	28	37	32
CFSM	.20	.46	.78	1.21	2.25	1.75	3.11	1.45	1.04	.33	.66	1.33
IN.	.23	.51	.90	1.40	2.43	2.02	3.47	1.67	1.16	.38	.76	1.48

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	84.1	172	261	268	311	533	454	203	107	58.3	49.2	65.6
MAX	344	653	718	812	903	1206	1100	544	722	415	451	873
(WY)	1946	1986	1978	1998	1976	1945	1947	1984	1989	1998	1977	1977
MIN	9.03	15.3	13.6	17.5	50.9	244	82.1	65.8	20.1	6.17	7.91	5.63
(WY)	1965	1961	1961	1961	1963	1965	1946	1995	1965	1955	1944	1955

04217000 TONAWANDA CREEK AT BATAVIA, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1944 - 2000	
ANNUAL TOTAL	52932.1		75405			
ANNUAL MEAN	145		206		213	
HIGHEST ANNUAL MEAN					311	1976
LOWEST ANNUAL MEAN					124	1965
HIGHEST DAILY MEAN	3200	Jan 25	2540	Feb 26	6660	Mar 31 1960
LOWEST DAILY MEAN	6.5	Aug 4	22	Oct 9	.60	Aug 2 1955
ANNUAL SEVEN-DAY MINIMUM	8.1	Jul 29	24	Oct 7	1.1	Jul 31 1955
ANNUAL RUNOFF (CFSM)	.85		1.20		1.25	
ANNUAL RUNOFF (INCHES)	11.52		16.40		16.96	
10 PERCENT EXCEEDS	374		442		506	
50 PERCENT EXCEEDS	49		108		97	
90 PERCENT EXCEEDS	13		36		15	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.

SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04218000 TONAWANDA CREEK AT RAPIDS, NY

LOCATION.--Lat 43°05'35", long 78°38'11", Niagara County, Hydrologic Unit 04120104, on right bank at downstream side of bridge on Rapids Road at Rapids, 4.6 mi east of Pendleton, 4.9 mi downstream from Beeman Creek, and 5.9 mi upstream from Mud Creek.
DRAINAGE AREA.--349 mi^2, includes 0.76 mi^2 in Mud Creek from which flow is diverted into Black Creek.
PERIOD OF RECORD.--August 1955 to September 1965, March 1978 to September 1979 (seasonal gage-height records only), October 1979 to current year.
REVISED RECORDS.--WDR NY-82-3: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 571.19 ft above sea level.
REMARKS.--Records fair. Telephone gage-height telemeter at station. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,280 ft^3/s, Apr. 1, 1960, gage height, 16.96 ft; minimum discharge, 4.5 ft^3/s, July 28, 1983, gage height, 0.91 ft.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, about 20,000 ft^3/s, Mar. 1865, gage height, 18.9 ft.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,400 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 28	0200	*4,010	*11.80	May 14	0900	2,600	8.76
Apr. 11	0230	3,120	9.94				

Minimum discharge, 30 ft^3/s, Oct. 11, 12, 13, gage height, 1.26 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	49	39	175	175	e120	1650	330	321	e200	e180	125	51
2	52	44	143	189	e125	945	295	322	e180	e170	140	48
3	65	e140	118	279	e125	784	283	355	e180	e140	222	47
4	56	143	107	807	e125	711	553	392	e220	e130	233	183
5	49	172	107	1270	e125	653	1170	318	e190	e140	285	272
6	49	177	113	1280	e125	650	1560	285	e160	e150	234	139
7	41	146	117	935	e120	627	1180	268	e190	133	149	102
8	44	129	114	546	e120	533	1270	247	e260	115	218	84
9	41	108	110	391	e120	469	2170	231	e230	103	483	73
10	35	90	105	356	e115	546	2730	e210	e190	98	291	71
11	31	84	120	435	e120	756	2800	e350	e550	97	190	351
12	30	82	118	581	e135	746	1610	692	e350	97	191	266
13	35	109	150	559	e150	610	1090	2050	e700	96	265	187
14	76	124	140	e350	e190	608	958	2570	e1000	85	247	160
15	100	100	227	e260	e200	730	800	2240	e1400	80	211	162
16	74	88	344	e230	e180	899	653	1330	e1300	79	146	160
17	85	79	682	e220	e170	1040	535	e720	e750	104	118	205
18	83	72	646	e200	e165	1000	465	e560	e600	149	102	172
19	69	66	386	e180	e170	822	494	e520	e500	156	91	127
20	60	63	265	e180	e160	773	478	e650	e420	124	78	100
21	54	60	308	e170	e160	852	922	e800	e330	109	71	88
22	56	60	e500	e170	e160	753	1450	e750	e260	91	68	87
23	50	58	e550	e170	e240	606	1760	e600	e340	83	70	123
24	43	62	e400	170	876	505	1630	e550	e250	75	95	359
25	38	64	e300	167	1770	440	1310	e620	e200	71	95	957
26	38	73	e240	159	2510	389	866	603	e200	66	107	1320
27	69	167	e215	e160	3500	356	617	e550	e230	59	84	829
28	67	354	e210	e150	3770	319	493	e370	e300	55	70	379
29	52	428	e200	e135	2700	302	420	e300	e320	51	64	270
30	44	255	175	e120	---	314	367	e260	e200	49	58	253
31	40	---	181	e120	---	343	---	e230	---	100	54	---
TOTAL	1675	3636	7566	11114	18546	20731	31259	20264	12200	3235	4855	7625
MEAN	54.0	121	244	359	640	669	1042	654	407	104	157	254
MAX	100	428	682	1280	3770	1650	2800	2570	1400	180	483	1320
MIN	30	39	105	120	115	302	283	210	160	49	54	47
CFSM	.15	.35	.70	1.03	1.83	1.92	2.99	1.87	1.17	.30	.45	.73
IN.	.18	.39	.81	1.18	1.98	2.21	3.33	2.16	1.30	.34	.52	.81

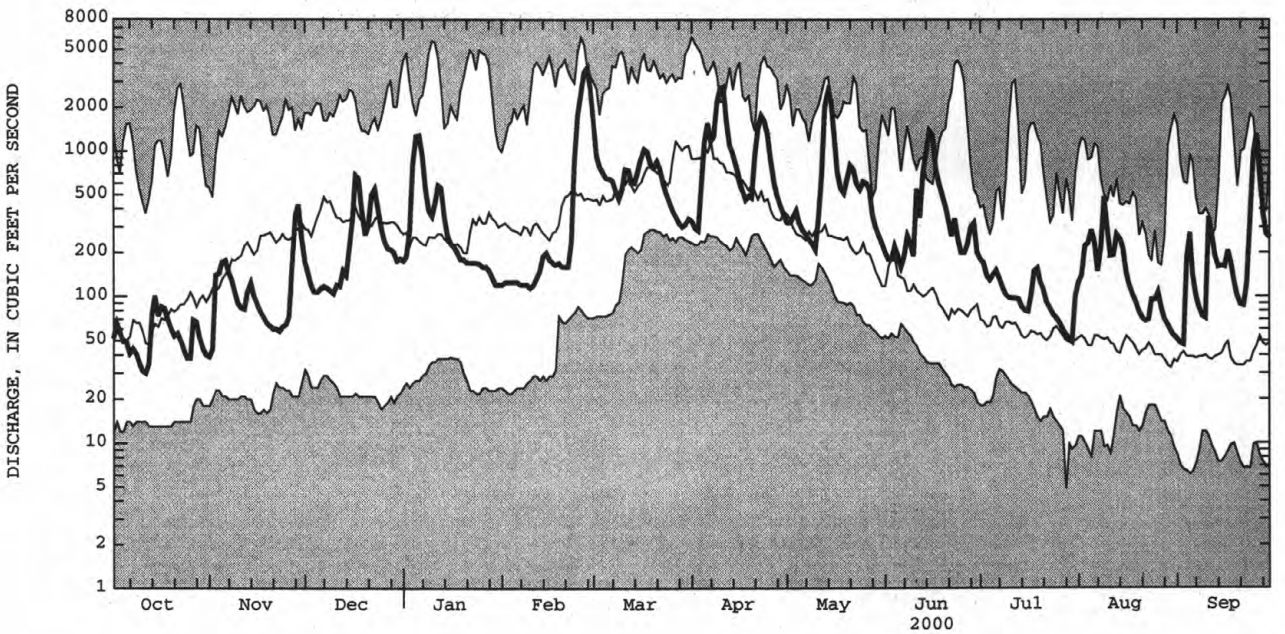
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	154	320	484	547	639	950	904	408	214	104	86.8	98.2
MAX	642	1239	1116	1581	1363	1650	1534	1046	1372	511	601	614
(WY)	1987	1986	1987	1998	1981	1956	1960	1956	1989	1998	1992	1992
MIN	14.8	25.7	23.3	29.4	103	452	334	144	45.6	26.1	15.9	10.1
(WY)	1965	1961	1961	1961	1963	1981	1995	1993	1965	1991	1991	1991

e Estimated

04218000 TONAWANDA CREEK AT RAPIDS, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1955 - 2000	
ANNUAL TOTAL	104479		142706			
ANNUAL MEAN	286		390		408	
HIGHEST ANNUAL MEAN					565	1998
LOWEST ANNUAL MEAN					255	1965
HIGHEST DAILY MEAN	4640	Jan 27	3770	Feb 28	6130	Apr 1 1960
LOWEST DAILY MEAN	11	Aug 3	30	Oct 12	4.8	Jul 28 1983
ANNUAL SEVEN-DAY MINIMUM	12	Jul 31	37	Oct 7	6.8	Sep 1 1991
ANNUAL RUNOFF (CFSM)	.82		1.12		1.17	
ANNUAL RUNOFF (INCHES)	11.14		15.21		15.88	
10 PERCENT EXCEEDS	755		906		1050	
50 PERCENT EXCEEDS	94		190		192	
90 PERCENT EXCEEDS	23		61		31	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.

SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04218518 ELLICOTT CREEK BELOW WILLIAMSVILLE, NY

LOCATION.--Lat 42°58'40", long 78°45'50", Erie County, Hydrologic Unit 04120104, on right bank 15 ft upstream from bridge on State Highway 324 (Sheridan Drive), 0.8 mi upstream from sewage treatment plant, 1.4 mi northwest of Williamsville, and 10.8 mi upstream from mouth.
DRAINAGE AREA.--81.6 mi^2.
PERIOD OF RECORD.--October 1972 to current year.
REVISED RECORDS.--WDR NY-82-3: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 586.41 ft above sea level.
REMARKS.--Records fair. Regulation by seasonal manipulation of dam at Island Park 2.4 mi upstream by Village of Williamsville and by intermittent pumping from stone quarries into stream upstream from station. Records at medium and high flows may be comparable with those obtained at station 04218500 between October 1955 and September 1972. Telephone gage-height telemeter at station. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,640 ft^3/s, Feb. 25, 1985, gage height, 11.19 ft; no flow for part of July 27, 1976, gage height, 0.73 ft, result of pipeline construction.
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. 26	0115	1,510	6.60	Apr. 9	1030	*1,580	*6.79

Minimum discharge, 8.2 ft^3/s, Sep. 29, gage height, 1.60 ft (result of regulation).

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	82	26	80	79	52	156	82	93	52	90	156	31
2	54	125	60	78	54	143	78	95	58	71	473	29
3	33	e400	69	189	e52	158	92	111	56	69	323	28
4	70	379	66	460	e52	146	441	95	54	67	461	28
5	77	164	72	619	e50	142	613	84	54	76	273	27
6	67	102	83	268	e50	132	278	77	82	67	109	28
7	48	77	98	162	e50	112	168	56	94	54	211	28
8	46	63	85	125	e50	99	617	54	69	49	512	28
9	41	65	73	115	e50	106	1420	65	130	70	238	40
10	33	68	85	127	e55	150	559	108	141	67	122	30
11	37	87	127	205	e65	205	253	138	130	62	110	44
12	41	115	113	213	81	138	230	271	115	53	205	63
13	73	85	86	157	85	129	286	697	212	44	122	60
14	238	63	106	e90	83	181	213	536	410	47	88	72
15	279	56	268	e85	71	323	142	216	471	55	72	81
16	132	59	491	e80	69	328	118	114	337	80	63	100
17	84	54	349	e75	65	316	105	102	270	163	57	60
18	80	51	179	e72	71	265	106	219	316	109	53	44
19	94	49	104	e70	69	201	111	597	150	73	49	39
20	93	49	109	e70	65	235	164	484	103	60	48	35
21	70	49	214	e70	62	215	535	287	78	74	46	44
22	61	61	204	e68	70	143	596	174	90	112	43	38
23	54	59	110	e65	185	119	435	137	92	79	68	220
24	51	47	110	e65	543	107	289	127	69	64	65	666
25	48	45	e90	e60	1230	97	192	163	293	54	58	452
26	43	123	e65	e58	1320	93	138	129	388	49	44	161
27	39	447	e55	56	637	87	120	102	203	47	38	99
28	37	353	e60	65	366	81	108	85	193	46	36	78
29	35	152	e65	56	226	88	101	76	97	46	35	53
30	28	102	68	52	---	97	93	70	98	51	33	54
31	27	---	73	52	---	97	---	56	---	91	32	---
TOTAL	2195	3575	3817	4006	5878	4889	8683	5618	4905	2139	4243	2760
MEAN	70.8	119	123	129	203	158	289	181	164	69.0	137	92.0
MAX	279	447	491	619	1320	328	1420	697	471	163	512	666
MIN	27	26	55	52	50	81	78	54	52	44	32	27
CFSM	.87	1.46	1.51	1.58	2.48	1.93	3.55	2.22	2.00	.85	1.68	1.13
IN.	1.00	1.63	1.74	1.83	2.68	2.23	3.96	2.56	2.24	.98	1.93	1.26

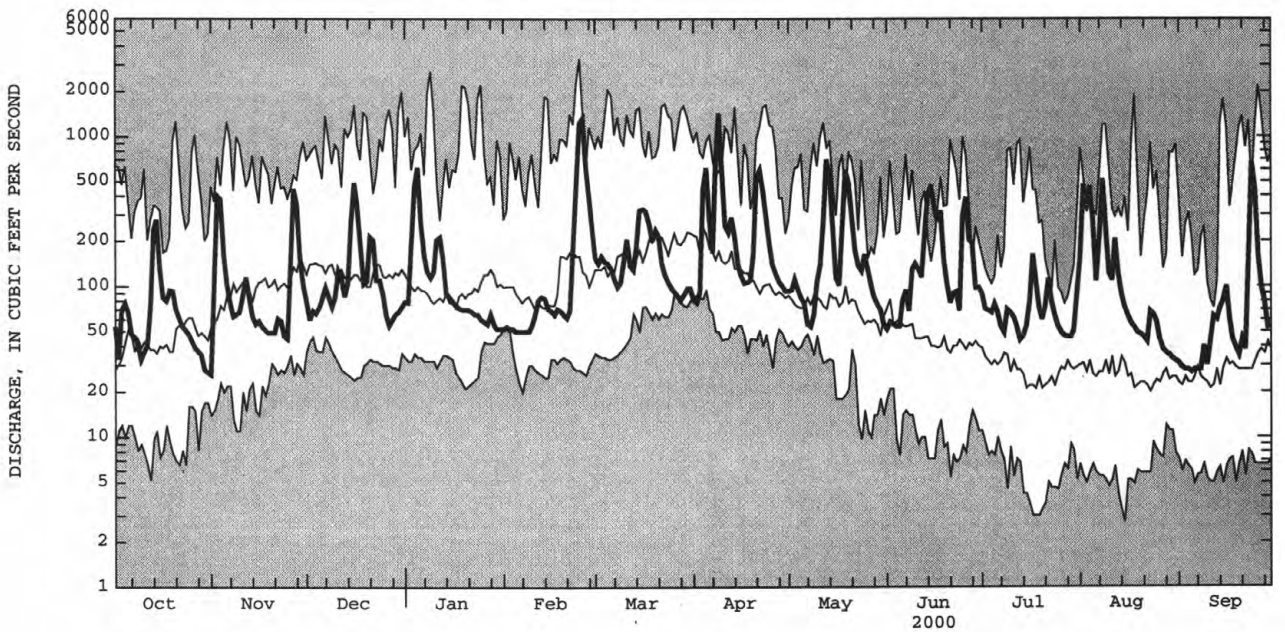
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	73.4	143	195	171	184	270	209	116	79.0	44.9	57.1	69.0
MAX	196	342	441	426	377	519	363	258	275	144	397	425
(WY)	1997	1986	1978	1998	1990	1977	1996	1989	1989	1976	1977	1977
MIN	11.2	27.1	40.6	39.2	56.0	119	94.8	47.5	24.2	11.8	13.5	9.76
(WY)	1975	1979	1990	1977	1980	1981	1995	1977	1988	1978	1974	1973

e Estimated

04218518 ELLICOTT CREEK BELOW WILLIAMSVILLE, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1973 - 2000	
ANNUAL TOTAL	39259		52708			
ANNUAL MEAN	108		144		134	
HIGHEST ANNUAL MEAN					177	1977
LOWEST ANNUAL MEAN					91.2	1999
HIGHEST DAILY MEAN	2210	Jan 25	1420	Apr 9	3280	Feb 25 1985
LOWEST DAILY MEAN	12	Jul 7	26	Nov 1	2.7	Aug 15 1978
ANNUAL SEVEN-DAY MINIMUM	14	Jul 27	28	Sep 2	3.6	Jul 15 1978
ANNUAL RUNOFF (CFSM)	1.32		1.76		1.64	
ANNUAL RUNOFF (INCHES)	17.90		24.03		22.33	
10 PERCENT EXCEEDS	228		323		300	
50 PERCENT EXCEEDS	63		85		74	
90 PERCENT EXCEEDS	19		45		18	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.

SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04219000 ERIE (BARGE) CANAL AT LOCK 30, MACEDON, NY

LOCATION.--Lat 43°04'20", long 77°17'45", Wayne County, Hydrologic Unit 04140201, on left bank in Macedon, 500 ft downstream from headgate in old Erie Canal, 700 ft downstream from bridge on State Highway 350, 0.2 mi downstream from Lock 30, and 2.6 mi upstream from Ganargua Creek.
PERIOD OF RECORD.--November 1919 to December 1920, October 1950 to September 1977, October 1977 to current year (navigation seasons only). Prior to October 1956, published as "Barge Canal at Lock 30, Macedon."
REVISED RECORDS.--WSP 1237: 1951
GAGE.--Water-stage recorder. Datum of gage is 447.58 ft above sea level. Nov. 1, 1919 to Dec. 28, 1920, nonrecording gage at same site at different datum.
REMARKS.--No estimated daily values. Records good. This record represents net diversion from Niagara River basin into Oswego River basin through Erie (Barge) Canal. During the non-navigation period, when the pool upstream from Lock 30 is drained, discharge consists of leakage through guard gates, runoff from small areas tributary to canal upstream from station, or diversion for use downstream in the Canal system.
COOPERATION.--Records of gate openings, lockages, lock-valve openings, and elevations of water surface in Erie (Barge) Canal upstream and downstream from Lock 30 furnished by New York State Canal Corporation.
EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 874 ft^3/s, Dec. 3, 1969, maximum instantaneous discharge not determined; no significant flow at times in many years.

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	290	278	---	---	---	---	---	127	183	229	258	254
2	291	279	---	---	---	---	---	130	149	227	259	272
3	292	282	---	---	---	---	---	126	152	236	258	267
4	285	263	---	---	---	---	---	166	152	248	247	270
5	296	217	---	---	---	---	---	197	173	238	248	260
6	287	154	---	---	---	---	---	193	203	240	249	272
7	283	107	---	---	---	---	---	188	190	229	257	274
8	285	55	---	---	---	---	---	187	185	238	259	269
9	298	---	---	---	---	---	---	193	184	229	252	269
10	302	---	---	---	---	---	---	190	193	250	248	270
11	295	---	---	---	---	---	---	192	185	266	249	265
12	290	---	---	---	---	---	---	204	186	263	256	276
13	293	---	---	---	---	---	---	260	206	279	266	262
14	294	---	---	---	---	---	---	269	259	266	261	271
15	291	---	---	---	---	---	---	203	259	264	255	277
16	295	---	---	---	---	---	---	171	256	262	268	266
17	276	---	---	---	---	---	---	170	230	281	268	262
18	278	---	---	---	---	---	---	186	163	274	260	252
19	272	---	---	---	---	---	---	209	143	279	254	260
20	269	---	---	---	---	---	---	214	138	283	262	259
21	270	---	---	---	---	---	---	195	180	263	266	256
22	264	---	---	---	---	---	---	195	210	262	261	249
23	258	---	---	---	---	---	---	204	209	276	256	252
24	268	---	---	---	---	---	---	228	209	271	261	266
25	285	---	---	---	---	---	---	252	210	266	262	261
26	285	---	---	---	---	---	---	246	206	275	261	261
27	280	---	---	---	---	---	---	210	220	271	256	267
28	280	---	---	---	---	---	20	154	216	269	259	255
29	282	---	---	---	---	---	80	152	212	260	266	246
30	276	---	---	---	---	---	120	179	215	266	264	260
31	282	---	---	---	---	---	---	198	---	269	258	---
TOTAL	8792	1635	---	---	---	---	220	5988	5876	8029	8004	7900
MEAN	284	204	---	---	---	---	73.3	193	196	259	258	263
MAX	302	282	---	---	---	---	120	269	259	283	268	277
MIN	258	55	---	---	---	---	20	126	138	227	247	246

0422026250 NORTHRUP CREEK AT NORTH GREECE, NY

LOCATION.--Lat 43°15'13", long 77°43'33", Monroe County, Hydrologic Unit 04130001, on right bank 75 ft downstream from bridge on State Highway 18 (Latta Road), 0.5 mi west of North Greece and 5.1 mi upstream from mouth.
DRAINAGE AREA.--11.7 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1989 to current year.
GAGE.--Water-stage recorder. Elevation of gage is 306 ft above sea level, from topographic map.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Discharge includes undetermined diversion from Erie (Barge) Canal upstream from station. Unpublished water-quality records for prior years are available in files of Monroe County Department of Health.
COOPERATION.--Discharge measurements were provided by the Monroe County Environmental Health Laboratory at Rochester, N.Y.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 573 ft^3/s, Apr. 22, 1991, gage height, 3.89 ft; maximum gage height, 4.90 ft, Jan. 24, 1999 (ice jam); minimum discharge, 0.39 ft^3/s, Aug. 19, 1993, gage height 0.46 ft.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 758 ft^3/s, May 17, 1974, from rating curve extended above 15 ft^3/s on basis of contracted-opening measurement of peak flow.
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)
Apr. 8	1900	370	3.22	June 13	1600	254	2.77
May 13	0945	*542	*3.77				

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	13	7.8	3.9	e4.0	e4.0	15	8.8	11	7.7	7.1	8.3	5.7
2	12	11	3.8	4.7	e4.0	16	9.0	13	10	6.3	7.9	5.6
3	12	16	3.5	8.2	e4.6	15	12	12	8.7	6.3	8.1	5.7
4	13	12	3.6	28	e4.6	16	46	11	7.6	6.7	7.8	6.2
5	12	11	3.6	14	e4.0	15	25	11	7.5	6.0	6.9	5.9
6	12	9.9	3.6	e9.0	e3.8	13	18	10	12	5.8	6.6	5.7
7	12	8.9	3.3	7.9	e3.8	11	15	9.9	9.7	5.8	8.0	5.7
8	12	7.8	3.1	8.3	e3.5	11	196	9.8	8.2	5.7	6.9	5.5
9	12	7.0	3.0	7.2	e3.5	11	72	9.7	7.7	5.9	8.3	5.7
10	11	6.8	3.8	8.8	e6.0	23	25	14	7.3	6.2	7.3	5.6
11	12	7.1	4.5	10	e7.0	14	19	13	10	5.8	7.9	9.2
12	11	5.8	3.4	8.8	e7.0	13	25	30	12	5.8	7.7	8.3
13	12	5.0	3.3	e7.2	e8.0	15	21	307	88	5.9	7.4	11
14	26	4.9	3.3	e6.0	e8.0	27	15	36	41	17	6.9	6.7
15	11	4.9	9.3	e5.0	e7.0	29	13	21	19	17	6.4	9.4
16	9.3	4.5	9.9	e4.4	e8.0	27	11	15	15	25	18	7.5
17	8.9	4.3	7.2	e4.0	e9.0	27	10	13	12	14	8.7	6.6
18	11	4.0	5.4	e4.6	e8.6	20	9.3	20	11	11	7.2	6.3
19	9.1	3.7	e5.0	e6.0	e8.0	22	8.9	23	11	9.2	6.7	6.1
20	9.0	3.5	4.5	e4.5	e8.0	24	20	17	9.6	8.0	6.1	6.0
21	8.6	3.5	4.1	e4.0	e6.0	17	66	15	12	7.6	6.1	6.5
22	8.3	3.7	e4.0	e3.6	e8.0	14	45	14	13	7.4	6.0	5.7
23	7.9	3.1	e3.5	e3.4	e22	12	38	13	9.9	7.1	10	13
24	7.9	3.2	e3.2	e3.2	e60	11	25	23	8.7	6.8	8.2	9.7
25	7.7	3.4	e3.2	e3.2	84	10	19	16	14	6.6	6.9	7.9
26	7.5	9.7	e3.1	e4.0	59	9.7	16	12	10	6.4	6.5	6.9
27	7.3	8.9	e3.0	e3.2	45	8.9	15	10	9.2	6.2	6.2	6.6
28	7.5	5.0	e3.0	e3.0	27	8.4	13	9.6	8.2	6.0	6.2	6.4
29	7.7	4.3	e3.3	e3.0	18	10	11	9.0	8.0	6.3	5.9	6.0
30	7.8	3.9	e3.7	e3.5	---	9.3	11	8.5	8.1	6.3	5.9	6.0
31	8.1	---	e4.0	e3.4	---	8.6	---	7.9	---	6.6	5.8	---
TOTAL	326.6	194.6	129.1	198.1	449.4	482.9	838.0	744.4	416.1	253.8	232.8	209.1
MEAN	10.5	6.49	4.16	6.39	15.5	15.6	27.9	24.0	13.9	8.19	7.51	6.97
MAX	26	16	9.9	28	84	29	196	307	88	25	18	13
MIN	7.3	3.1	3.0	3.0	3.5	8.4	8.8	7.9	7.3	5.7	5.8	5.5

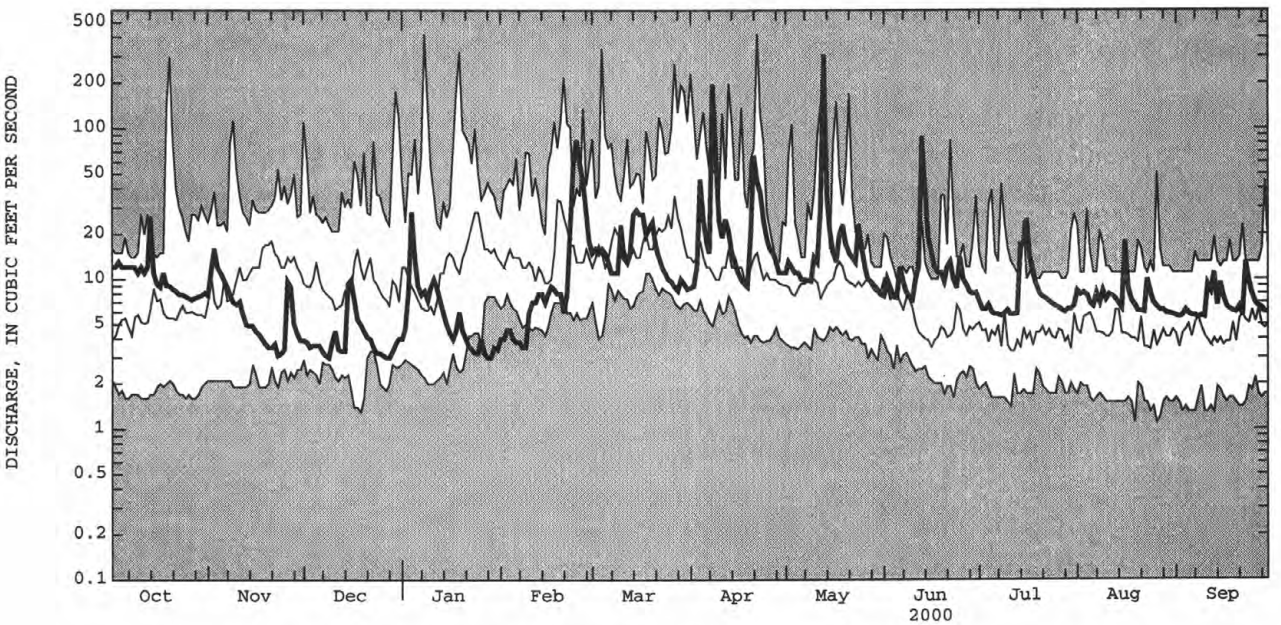
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	9.16	12.5	12.6	19.6	20.6	26.0	21.9	14.5	7.76	6.05	5.95	6.20
MAX	30.9	26.4	23.7	45.6	38.9	40.7	31.7	28.8	16.8	13.5	11.8	12.7
(WY)	1997	1997	1997	1998	1990	1993	1991	1996	1996	1998	1999	1999
MIN	1.83	2.49	3.00	6.39	7.82	15.6	5.27	4.77	3.06	1.96	1.60	1.92
(WY)	1995	1992	1999	2000	1993	2000	1995	1993	1991	1993	1993	1994

e Estimated

0422026250 NORTHRUP CREEK AT NORTH GREECE, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1990 - 2000	
ANNUAL TOTAL	4592.1		4474.9			
ANNUAL MEAN	12.6		12.2		13.5	
HIGHEST ANNUAL MEAN					18.7	1998
LOWEST ANNUAL MEAN					7.33	1995
HIGHEST DAILY MEAN	100	Jan 24	307	May 13	420	Apr 22 1991
LOWEST DAILY MEAN	2.0	Jan 9	3.0	Dec 9	1.1	Aug 19 1993
ANNUAL SEVEN-DAY MINIMUM	2.1	Jan 7	3.2	Dec 23	1.4	Aug 22 1993
10 PERCENT EXCEEDS	20		20		26	
50 PERCENT EXCEEDS	11		8.1		8.5	
90 PERCENT EXCEEDS	3.7		3.8		2.6	



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.

0422026250 NORTHRUP CREEK AT NORTH GREECE, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1989 to current year.
CHEMICAL DATA: 1989-2000 (e).
NUTRIENT DATA: 1989-2000 (e).
PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: November 1994 to current year.
INSTRUMENTATION.--Automatic water sampler since October 1989. Water temperature recorder since November 1994 provides 15-minute-interval readings.
COOPERATION.--Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, N.Y.
REMARKS.--Prior to 1994 water year, data published in "Water Resources of Monroe County New York, Water Years 1989-93", U.S. Geological Survey Open-File Report 97-587.
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum, 28.0°C, July 5, 1999; minimum, 0°C, on many days during winter period.
EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum, 23.5°C, Aug. 1, 2, 8, 9, and Sep. 1; minimum, 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	14.5	15.0	12.0	10.0	11.0	1.0	.0	.0	.0	.0	.0
2	16.0	13.5	15.0	13.0	12.0	12.5	1.0	.0	.0	.0	.0	.0
3	16.0	14.0	15.0	12.5	7.5	9.5	5.0	1.0	3.0	3.5	.0	1.5
4	14.0	12.5	13.0	8.0	6.5	7.0	7.5	5.0	6.5	5.5	3.0	4.5
5	13.0	12.0	12.5	9.5	7.0	8.0	10.5	7.0	9.0	3.5	.0	1.0
6	12.5	11.0	12.0	9.5	7.5	8.5	10.0	7.5	9.0	1.0	.0	.0
7	11.0	9.5	10.0	7.5	5.5	6.5	7.5	4.5	5.5	2.0	.5	1.5
8	13.0	9.5	11.0	7.0	5.0	6.0	4.5	3.0	4.0	.5	.0	.0
9	15.0	13.0	14.0	11.0	7.0	9.0	4.5	2.5	3.5	2.5	.5	1.5
10	15.5	14.5	15.0	12.0	9.5	11.0	5.5	4.0	5.0	3.5	2.0	2.5
11	15.5	13.5	14.5	9.5	5.0	7.5	4.0	1.5	2.5	3.5	3.0	3.0
12	13.5	11.5	12.5	7.0	4.5	5.5	2.0	.5	1.5	3.0	1.5	2.0
13	15.5	12.5	14.0	8.0	7.0	7.5	2.5	1.5	2.5	1.5	.0	.0
14	15.0	10.5	12.0	8.5	7.0	8.0	2.5	1.0	2.0	.0	.0	.0
15	12.0	9.5	11.0	7.0	3.5	5.0	4.0	1.0	2.5	.0	.0	.0
16	14.5	12.0	13.0	3.5	1.5	2.5	4.0	3.0	3.5	.0	.0	.0
17	14.5	12.5	14.0	2.5	1.0	1.5	3.0	.5	1.5	.0	.0	.0
18	12.5	11.0	11.5	4.5	2.0	3.0	1.0	.0	.5	.0	.0	.0
19	11.5	9.5	10.5	7.0	4.5	5.5	.0	.0	.0	.0	.0	.0
20	12.0	11.0	11.5	7.5	7.0	7.0	3.5	.0	1.0	.0	.0	.0
21	11.0	10.0	10.5	8.0	6.5	7.5	3.0	.0	1.0	.0	.0	.0
22	11.0	10.5	10.5	11.5	8.0	10.0	.0	.0	.0	.0	.0	.0
23	10.5	9.5	10.0	12.0	10.5	11.0	.0	.0	.0	.0	.0	.0
24	9.5	8.5	9.5	11.5	9.5	10.5	.0	.0	.0	.0	.0	.0
25	10.0	8.5	9.0	9.5	7.5	8.0	.0	.0	.0	.0	.0	.0
26	10.5	9.0	9.5	8.5	7.0	8.0	.0	.0	.0	.0	.0	.0
27	10.0	8.0	9.5	8.5	7.0	8.0	.0	.0	.0	.0	.0	.0
28	9.0	6.5	8.0	7.0	5.0	6.0	.0	.0	.0	.0	.0	.0
29	10.5	8.5	9.5	5.0	3.0	4.0	.0	.0	.0	.0	.0	.0
30	12.5	9.5	11.0	3.0	1.0	2.0	.0	.0	.0	.0	.0	.0
31	13.0	11.5	12.0	---	---	---	.0	.0	.0	.0	.0	.0
MONTH	16.0	6.5	11.8	13.0	1.0	7.2	10.5	.0	2.1	5.5	.0	.6

0422026250 NORTHRUP CREEK AT NORTH GREECE, 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	5.5	3.0	4.0	10.5	5.5	8.0	12.5	10.5	12.0
2	.0	.0	.0	5.0	1.0	2.5	9.5	8.0	9.0	16.0	11.0	13.0
3	.0	.0	.0	3.5	.5	2.0	9.5	7.5	8.5	16.5	11.0	14.0
4	.0	.0	.0	4.5	1.0	2.5	9.0	7.5	8.5	16.5	12.5	14.5
5	.0	.0	.0	5.0	3.0	4.0	7.5	4.5	5.0	20.5	15.5	17.5
6	.0	.0	.0	6.5	3.0	4.5	7.5	4.0	6.0	22.5	17.5	19.5
7	.0	.0	.0	7.0	3.5	5.5	9.0	5.5	7.5	22.5	19.0	20.5
8	.0	.0	.0	11.0	6.0	8.5	7.5	4.5	6.0	22.0	19.5	20.5
9	.0	.0	.0	12.5	9.0	11.0	6.5	3.0	4.5	22.5	20.0	21.0
10	.0	.0	.0	9.0	3.0	5.0	5.5	4.0	4.5	21.0	16.5	19.0
11	.0	.0	.0	3.0	2.0	2.5	4.0	2.5	3.5	17.5	14.5	16.0
12	.0	.0	.0	2.0	.0	1.0	6.5	2.0	4.0	16.5	15.0	16.0
13	.0	.0	.0	4.5	.5	2.5	8.0	3.0	5.5	18.0	16.0	17.0
14	.0	.0	.0	6.0	3.0	4.5	11.5	5.0	8.0	16.5	13.5	14.5
15	.0	.0	.0	6.0	3.5	4.5	16.5	9.5	13.0	15.0	12.0	13.5
16	.0	.0	.0	6.0	1.0	4.5	15.0	9.0	11.5	14.0	12.0	13.0
17	.0	.0	.0	4.0	.5	2.0	9.0	6.5	7.5	16.5	13.0	14.5
18	.0	.0	.0	4.0	.0	2.0	9.0	6.0	7.5	16.0	14.5	15.5
19	.0	.0	.0	6.0	1.0	3.5	11.5	8.5	9.5	14.5	11.5	12.0
20	.0	.0	.0	8.5	4.5	6.5	10.5	9.0	9.5	11.5	11.0	11.5
21	.0	.0	.0	7.5	6.0	7.0	10.0	8.5	9.5	12.0	11.0	11.5
22	.0	.0	.0	9.0	6.0	7.5	9.5	8.0	8.5	14.0	11.5	12.5
23	.0	.0	.0	10.0	6.5	8.0	8.5	7.5	8.0	14.5	12.5	13.5
24	1.5	.0	.0	11.5	6.5	9.0	13.0	6.5	9.5	17.0	14.0	15.0
25	2.0	1.0	1.5	13.5	9.0	11.0	13.0	8.0	10.5	16.0	14.0	14.5
26	6.0	1.5	3.5	11.0	8.0	9.5	12.5	7.5	10.0	14.5	12.5	13.5
27	7.0	4.5	5.5	8.0	6.5	7.0	12.0	9.0	10.5	15.5	13.0	14.0
28	6.0	2.5	4.5	8.0	6.0	7.0	14.5	8.0	11.0	15.0	13.5	14.0
29	4.0	1.0	3.0	6.5	5.0	5.5	15.5	9.5	12.5	16.0	13.0	14.0
30	---	---	---	6.5	4.5	5.5	15.0	10.5	13.0	17.5	14.0	15.5
31	---	---	---	9.5	4.0	6.5	---	---	---	18.0	16.0	17.0
MONTH	7.0	.0	.6	13.5	.0	5.4	16.5	2.0	8.3	22.5	10.5	15.2

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	19.0	17.5	18.0	21.0	18.0	19.5	23.5	22.0	22.5	23.5	22.0	23.0
2	19.0	16.5	17.5	21.5	19.0	20.0	23.5	22.0	22.5	23.0	21.0	22.0
3	17.5	15.0	16.5	21.0	20.0	20.5	23.0	20.5	21.5	21.0	20.5	20.5
4	16.0	14.5	15.5	22.0	20.0	21.0	20.5	18.5	19.5	20.5	17.5	19.5
5	15.0	13.5	14.0	20.5	18.5	19.5	21.0	18.5	19.5	17.5	15.5	16.5
6	14.0	13.5	13.5	19.0	17.5	18.5	20.0	19.0	19.5	16.5	14.0	15.0
7	16.0	12.5	14.5	19.0	17.0	17.5	23.0	19.5	21.0	17.5	15.0	16.5
8	17.5	15.5	16.5	19.5	17.0	18.0	23.5	21.5	22.5	19.0	16.5	17.5
9	18.5	17.0	17.5	19.0	17.5	18.5	23.5	22.5	23.0	20.0	19.0	19.5
10	21.5	16.5	18.5	21.0	19.0	20.0	23.0	21.0	22.0	21.5	19.0	20.0
11	21.0	16.0	19.0	20.5	18.5	19.5	21.5	20.5	21.0	22.0	21.0	21.5
12	16.0	15.0	15.5	20.5	17.5	19.0	20.5	19.0	19.5	22.0	21.0	21.5
13	16.5	14.5	15.5	21.0	18.0	19.5	21.0	19.0	20.0	21.0	18.0	19.0
14	20.5	16.0	18.0	20.5	19.0	19.5	21.5	19.5	20.5	18.0	16.5	17.5
15	21.0	19.5	20.0	19.0	18.5	19.0	22.5	20.0	21.5	18.0	16.5	17.5
16	22.0	19.0	20.5	20.5	18.5	19.5	22.5	19.5	21.0	16.5	14.5	15.5
17	22.0	19.0	20.5	21.0	19.0	20.0	19.5	18.0	18.5	16.5	14.0	15.0
18	19.0	15.5	17.0	21.0	18.5	19.5	18.5	17.0	18.0	17.5	16.0	16.5
19	18.0	14.5	16.0	18.5	17.5	18.0	19.0	17.5	18.0	18.5	17.0	17.5
20	20.0	17.5	18.5	19.0	16.5	17.5	18.0	16.0	17.0	19.5	17.5	18.5
21	21.5	19.5	20.5	19.0	17.5	18.5	17.5	15.0	16.5	19.5	15.5	17.0
22	21.5	20.0	20.5	19.0	17.5	18.5	19.0	16.0	17.5	15.5	14.0	14.5
23	20.5	18.5	19.5	19.5	17.0	18.5	20.0	18.5	19.0	17.0	14.5	15.5
24	20.0	18.0	19.0	20.0	17.5	18.5	21.0	19.0	20.0	17.0	14.5	16.0
25	22.0	20.0	20.5	21.0	18.0	19.5	20.5	18.5	19.5	14.5	13.0	13.5
26	23.0	20.5	21.5	22.0	19.5	20.5	20.5	18.5	19.5	13.5	12.0	13.0
27	22.5	20.5	21.5	22.5	20.0	21.0	20.5	19.5	20.0	15.0	12.5	13.5
28	21.0	18.5	19.5	22.0	20.0	21.0	20.5	19.0	20.0	14.5	10.5	12.5
29	19.0	18.0	18.5	22.5	21.0	21.5	22.0	20.0	21.0	11.5	9.0	10.5
30	19.5	17.0	18.0	22.0	21.0	21.5	22.5	21.0	22.0	14.0	11.0	12.5
31	---	---	---	22.5	21.5	22.0	23.0	21.0	22.0	---	---	---
MONTH	23.0	12.5	18.0	22.5	16.5	19.5	23.5	15.0	20.2	23.5	9.0	17.0

0422026250 NORTHRUP CREEK AT NORTH GREECE, NY--Continued

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

DATE	TIME	ENDING TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	TUR-BID-ITY (NTU) (00076)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)
OCT							
14...	1230	--	24	34	42	44	79
NOV							
01-02	1150	0150	7.6	21	58	58	--
DEC							
13-14	1110	1610	3.1	3.6	87	162	--
14-15	1710	1910	7.3	7.5	76	200	--
15-16	2010	1010	11	8.2	66	262	--
16-20	1105	1005	7.3	5.3	81	192	--
JAN							
03-04	1125	0125	12	23	70	229	--
04-06	0225	1025	19	32	68	209	73
FEB							
08-10	1415	1215	4.0	3.5	84	300	--
22-24	1050	0950	26	28	74	416	--
FEB							
24-25	1140	1840	75	220	47	210	1190
FEB 29-							
MAR 02	0905	1105	16	7.5	58	191	--
09-10	1020	0120	13	12	68	215	--
10-13	0220	0920	16	13	63	227	--
13-14	1120	2220	22	8.1	59	250	--
14-16	2320	1020	27	9.4	53	169	--
APR							
03-04	1725	0725	31	44	56	160	162
04-06	0825	1025	30	39	52	137	157
06-07	1140	2240	16	19	55	151	--
07-08	2340	1840	165	160	35	85	569
08-10	1940	1040	85	57	33	83	182
10-13	1140	1040	22	12	48	136	--
13-17	1125	1025	14	4.2	55	142	--
20-21	1525	0625	57	58	45	105	198
21-24	0725	1025	44	23	44	95	--
24-27	1125	1025	18	6.9	49	111	--
MAY							
11-13	2310	1010	156	100	44	76	379
13-15	1110	1010	72	60	36	66	135
15-18	1205	1105	15	13	53	99	--
18-22	1145	1045	19	15	43	94	--
JUN							
08-11	1145	1445	7.5	4.0	64	108	--
11-11	1545	2245	16	32	68	105	74
11-12	2345	1045	13	40	48	83	65
13-13	0845	1645	98	90	39	70	261
13-15	1745	1045	64	47	25	60	131
15-19	1105	1005	13	11	54	99	--
AUG							
16-16	0220	0720	26	55	53	57	200
16-17	0820	1020	13	54	42	57	97
17-18	1155	1055	7.7	10	57	79	--
SEP							
05-07	1105	1005	5.7	6.8	67	58	--
22-23	2350	1450	11	15	68	57	--
23-25	1550	1050	11	17	55	67	--
25-28	1120	1020	6.9	4.6	67	73	--

0422026250 NORTHRUP CREEK AT NORTH GREECE, NY--Continued

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

DATE	RESIDUE VOLA-TILE, SUS-PENDED (MG/L) (00535)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
OCT						
14...	12	.82	.01	.46	.220	.105
NOV						
01-02	--	1.1	.02	.36	.530	.088
DEC						
13-14	--	3.8	.04	.68	.150	.111
14-15	--	3.3	.08	.78	.170	.118
15-16	--	1.9	.08	.80	.150	.089
16-20	--	2.3	.12	.85	.120	.084
JAN						
03-04	--	1.8	1.5	2.6	.280	.111
04-06	10	1.8	.72	1.8	.260	.087
FEB						
08-10	--	3.1	2.0	2.8	.190	.115
22-24	--	2.1	1.1	2.5	.230	.053
24-25	137	2.3	.90	6.3	1.85	.068
FEB 29-						
MAR 02	--	2.2	.40	1.2	.090	.031
09-10	--	2.0	.25	.92	.090	.026
10-13	--	1.6	.44	1.3	.100	.025
13-14	--	1.6	.27	1.1	.095	.022
14-16	--	1.5	.20	.83	.100	.023
APR						
03-04	24	1.4	.03	1.4	.280	.016
04-06	24	1.2	.06	.90	.290	.018
06-07	--	1.6	.02	.78	.140	.014
07-08	60	1.1	.03	1.8	.860	.024
08-10	18	1.4	.08	.80	.350	.031
10-13	--	1.7	.09	.77	.085	.019
13-17	--	1.9	.04	.59	.050	.016
20-21	27	1.4	.08	2.2	.430	.028
21-24	--	1.3	.07	1.3	.165	.037
24-27	--	1.8	.01	.88	.085	.021
MAY						
11-13	52	1.3	.06	2.6	.890	.076
13-15	18	1.1	.06	1.5	.380	.058
15-18	--	1.7	.04	.79	.740	.062
18-22	--	1.6	.03	.94	.160	.056
JUN						
08-11	--	1.9	.02	.73	.200	.135
11-11	12	1.9	.01	.95	.330	.148
11-12	12	1.6	.02	1.3	.300	.125
13-13	39	1.0	.04	2.1	.620	.108
13-15	24	.93	.05	1.0	.310	.079
15-19	--	1.7	.02	.74	.190	.114
AUG						
16-16	30	1.5	.02	1.6	.560	.140
16-17	15	1.2	.07	.71	.380	.135
17-18	--	1.5	.01	.68	.230	.150
SEP						
05-07	--	2.0	.03	.43	.220	.157
22-23	--	1.8	.01	.50	.280	.169
23-25	--	1.6	.02	.74	.280	.149
25-28	--	1.8	.01	.44	.160	.120

04221000 GENESEE RIVER AT WELLSVILLE, NY

LOCATION.--Lat 42°07'20", long 77°57'27", Allegany County, Hydrologic Unit 04130002, on left bank 35 ft upstream from concrete weir at Wellsville, 0.5 mi upstream from bridge on State Highway 17, 0.6 mi upstream from Crowner Brook and sewage treatment plant, 0.6 mi downstream from Dyke Creek, and 140.9 mi upstream from mouth.
DRAINAGE AREA.--288 mi^2.
PERIOD OF RECORD.--August 1955 to September 1958, October 1972 to current year. Records for June 1916 to September 1972, published as Genesee River at Scio (station 04221500) at site 5.2 mi downstream, are not equivalent because of difference in drainage areas.
REVISED RECORDS.--WDR NY-82-3: Drainage area.
GAGE.--Water-stage recorder and concrete control. Datum of gage is 1,470.00 ft above sea level. October 1957 to September 1958, nonrecording gage at site 0.4 mi upstream at datum 3.00 ft higher. August 1955 to September 1957, at same site at datum 8.00 ft higher.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Telephone and satellite gage-height telemeters at station. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22,700 ft^3/s, Jan. 19, 1996, gage height, 16.13 ft; minimum instantaneous discharge not determined.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge since June 1916, 38,500 ft^3/s, June 23, 1972, gage height, 20.7 ft, present datum, from floodmark, on basis of contracted-opening measurement of peak flow 0.5 mi downstream.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 25	2000	4,350	8.43	June 13	2400	3,680	8.00
Feb. 28	0230	*4,710	*8.67	June 15	2100	4,410	8.47
Apr. 4	0700	3,740	8.04				

Minimum discharge, 25 ft^3/s, Oct. 13, gage height, 4.25 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	104	34	280	151	e150	1320	259	326	233	180	115	42
2	63	41	252	172	e130	1200	255	403	248	158	96	41
3	51	246	239	342	e130	895	423	313	266	146	72	82
4	48	154	280	1650	e125	755	2920	283	192	161	68	53
5	44	108	258	995	e120	663	1510	291	178	138	60	43
6	41	89	269	654	e115	554	1080	252	309	121	65	39
7	37	80	242	561	e110	485	897	231	233	109	613	37
8	35	72	205	481	95	451	1980	214	176	99	189	36
9	34	68	190	433	e110	427	1930	203	151	98	134	43
10	34	67	196	450	120	430	1270	306	135	124	350	39
11	32	78	217	616	168	407	1030	257	125	100	159	41
12	30	79	186	509	197	569	905	300	311	86	129	53
13	37	72	180	431	166	433	727	439	874	81	140	137
14	299	68	358	e340	186	428	623	458	2580	78	114	79
15	132	63	954	e330	231	417	546	289	1650	86	95	98
16	85	59	846	e290	203	406	489	243	2060	157	90	109
17	70	56	598	e220	186	631	437	218	1250	122	84	79
18	62	53	487	e200	176	475	442	387	1060	92	77	64
19	56	52	403	e200	177	503	393	2090	985	80	72	57
20	52	52	390	e200	169	487	385	1030	655	77	66	55
21	50	53	422	e200	161	527	604	843	751	71	60	67
22	48	54	319	e190	e170	690	919	714	891	79	56	72
23	48	48	257	e190	347	543	919	616	532	69	66	58
24	54	48	e220	e190	1020	503	731	762	425	63	80	57
25	50	49	e200	e180	3380	475	636	747	362	59	62	56
26	43	1280	e200	e180	3210	442	565	527	327	56	56	51
27	39	1280	e190	e185	2770	396	518	437	317	53	53	58
28	38	592	e180	e180	3430	379	481	386	254	50	50	54
29	38	440	e180	e170	1730	354	412	342	222	49	46	47
30	36	358	172	e160	---	331	360	294	212	52	45	44
31	36	---	161	e160	---	290	---	252	---	57	44	---
TOTAL	1826	5793	9531	11210	19282	16866	24646	14453	17964	2951	3406	1791
MEAN	58.9	193	307	362	665	544	822	466	599	95.2	110	59.7
MAX	299	1280	954	1650	3430	1320	2920	2090	2580	180	613	137
MIN	30	34	161	151	95	290	255	203	125	49	44	36
CFSM	.20	.67	1.07	1.26	2.31	1.89	2.85	1.62	2.08	.33	.38	.21
IN.	.24	.75	1.23	1.45	2.49	2.18	3.18	1.87	2.32	.38	.44	.23

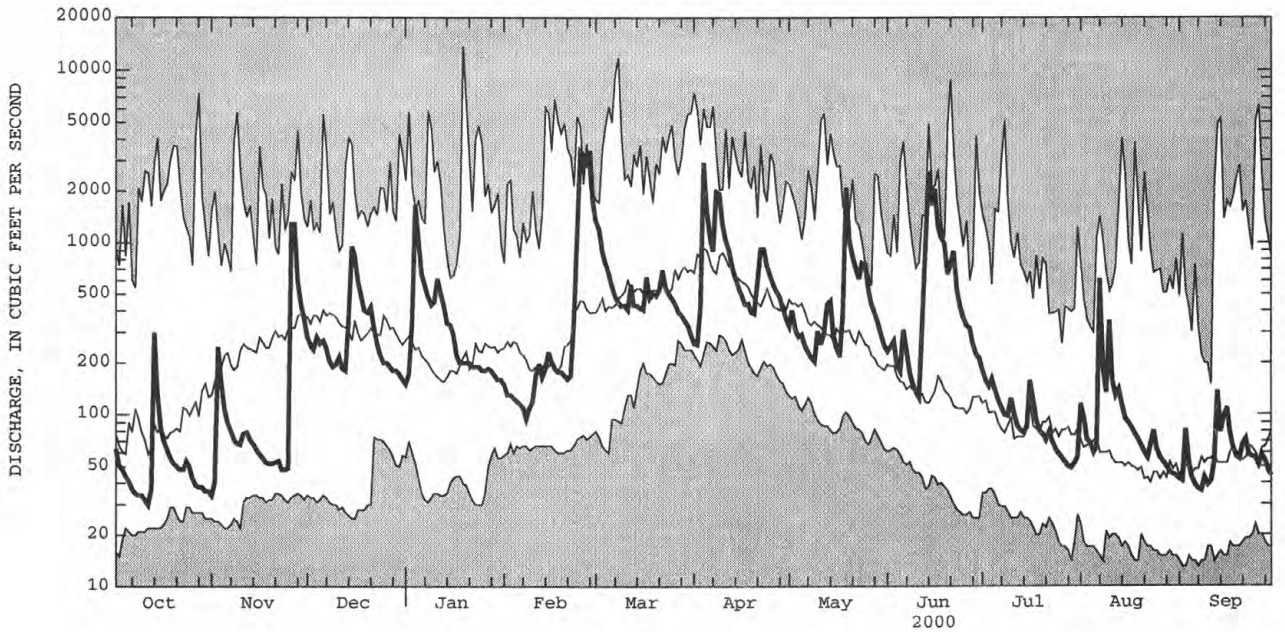
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	228	359	447	392	469	764	847	456	282	157	119	168
MAX	784	1001	1016	1263	1443	1689	1925	1208	1269	656	666	1246
(WY)	1991	1997	1973	1996	1976	1956	1958	1996	1989	1977	1994	1977
MIN	25.0	32.6	50.5	52.1	94.4	320	361	113	45.3	27.5	23.0	18.8
(WY)	1958	1999	1999	1981	1958	1981	1976	1985	1991	1993	1999	1995

e Estimated

04221000 GENESEE RIVER AT WELLSVILLE, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1956 - 2000	
ANNUAL TOTAL	89909		129719			
ANNUAL MEAN	246		354		390	
HIGHEST ANNUAL MEAN					564	1956
LOWEST ANNUAL MEAN					210	1999
HIGHEST DAILY MEAN	4770	Jan 24	3430	Feb 28	13800	Jan 19 1996
LOWEST DAILY MEAN	14	Aug 18	30	Oct 12	13	Sep 2 1991
ANNUAL SEVEN-DAY MINIMUM	16	Aug 31	34	Oct 7	15	Sep 3 1995
ANNUAL RUNOFF (CFSM)	.86		1.23		1.35	
ANNUAL RUNOFF (INCHES)	11.61		16.76		18.39	
10 PERCENT EXCEEDS	695		844		881	
50 PERCENT EXCEEDS	77		190		206	
90 PERCENT EXCEEDS	23		49		40	



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

04223000 GENESEE RIVER AT PORTAGEVILLE, NY

LOCATION.--Lat 42°34'13", long 78°02'33", Wyoming County, Hydrologic Unit 04130002, on left bank at Portageville, 500 ft downstream from bridge on State Highway 436, 800 ft upstream from abandoned railroad bridge piers, 0.9 mi upstream from Upper Falls, and 89.8 mi upstream from mouth.
DRAINAGE AREA.--984 mi^2.
PERIOD OF RECORD.--August 1908 to current year. Prior to December 1945, published as "at St. Helena". Records published for both sites December 1945 to September 1950.
REVISED RECORDS.--WSP 264: 1908. WSP 564: 1916(M). WSP 2112; WDR NY-82-3: Drainage area. WRD NY 1972: 1950(M), 1951(M), 1956(M), 1959(M), 1964(M), 1967(M).
GAGE.--Water-stage recorder. Datum of gage is 1,080.00 ft above sea level (levels by Corps of Engineers). Prior to Aug. 24, 1911, nonrecording gage and Aug. 24, 1911 to Sept. 30, 1946, water-stage recorder at site 8 mi downstream at different datum. Oct. 1, 1946 to June 21, 1972, water-stage recorder at site 1,200 ft downstream at datum 2.60 ft higher (destroyed by flood of June 1972). July 12, 1972 to May 18, 1973, nonrecording gage at site 500 ft upstream at datum 11.48 ft higher.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Since July 1928, some seasonal regulation by Rushford Lake. Diurnal fluctuation at low flow caused by powerplant. Monthly figures of discharge and runoff 1952 to 1966 water years adjusted for change in contents in Rushford Lake. Telephone gage-height telemeter and satellite gage-height and precipitation telemeter at station. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 90,000 ft^3/s, June 23, 1972, gage height, 35.25 ft, site and datum then in use, from high-water mark, from rating curve extended above 25,000 ft^3/s on basis of contracted-opening measurement of 71,000 ft^3/s, at highway bridge 0.4 mi upstream and contracted-opening measurement of 98,200 ft^3/s, 0.7 mi downstream from gage; minimum discharge, 18 ft^3/s, Oct. 5, 17, 1913, gage height, 1.70 ft, site and datum then in use.
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)
June 14	1500	*15,500	*15.74	No other peak greater than base discharge.			

Minimum discharge, 174 ft^3/s, Oct. 13, gage height, 8.36 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	820	653	1060	e560	e420	3130	934	968	693	586	1360	202
2	461	682	922	e640	e400	3030	863	1160	728	511	955	258
3	317	882	880	e2600	e400	2430	1080	1210	1090	470	747	347
4	313	924	1040	e6100	e380	2080	5970	988	751	488	608	321
5	421	796	1240	4890	e360	1950	4940	961	607	477	432	233
6	347	736	1160	2750	e360	1690	3070	906	905	414	329	200
7	285	550	1140	2010	e350	1540	2310	774	1050	372	3480	196
8	244	456	956	1470	e340	1610	5110	724	766	344	1390	195
9	225	401	849	1270	e340	1420	7110	704	697	339	1390	661
10	214	360	822	1250	e360	1320	3700	1730	815	414	4380	603
11	204	454	1060	2050	e400	1230	2780	2730	603	410	1340	342
12	194	504	955	2000	e700	1330	2780	1480	2670	343	919	292
13	182	437	871	1500	e600	1330	2350	1460	2240	305	958	479
14	721	395	1260	1140	e650	1330	1930	1700	9410	286	805	395
15	996	363	5390	e950	e800	1690	1550	1260	3900	364	634	488
16	574	338	4100	e840	e720	1710	1340	989	4500	486	575	547
17	426	319	2510	e700	e660	2240	1260	856	3170	595	434	411
18	535	295	1730	e650	e620	1700	1260	809	3010	461	370	328
19	744	281	1270	e700	e620	1810	1210	6630	4360	376	340	275
20	670	291	1250	e660	e600	2050	1340	4260	2260	320	331	247
21	573	274	1660	e620	e600	1750	4280	2670	1800	299	300	272
22	542	266	1220	e580	e620	1950	3850	2200	3410	305	261	275
23	513	258	928	e560	e1100	1670	4000	1730	1850	269	315	1190
24	557	256	e710	e600	e4400	1440	2870	1780	1240	242	389	1400
25	566	265	e650	e580	11500	1310	2090	2490	1050	222	345	652
26	596	1350	e700	e540	9650	1240	1680	1790	1000	203	270	473
27	714	5220	e650	e520	7810	1120	1500	1360	1250	193	241	365
28	713	2300	e560	e500	8190	1060	1410	1120	936	187	228	326
29	746	1430	e600	e480	4300	1060	1250	956	733	197	216	307
30	716	1190	e580	e460	---	1140	1110	863	649	291	210	279
31	654	---	e560	e440	---	1070	---	761	---	332	207	---
TOTAL	15783	22926	39283	40610	58250	51430	76927	50019	58143	11101	24759	12559
MEAN	509	764	1267	1310	2009	1659	2564	1614	1938	358	799	419
MAX	996	5220	5390	6100	11500	3130	7110	6630	9410	595	4380	1400
MIN	182	256	560	440	340	1060	863	704	603	187	207	195
CFSM	.52	.78	1.29	1.33	2.04	1.69	2.61	1.64	1.97	.36	.81	.43
IN.	.60	.87	1.49	1.54	2.20	1.94	2.91	1.89	2.20	.42	.94	.47

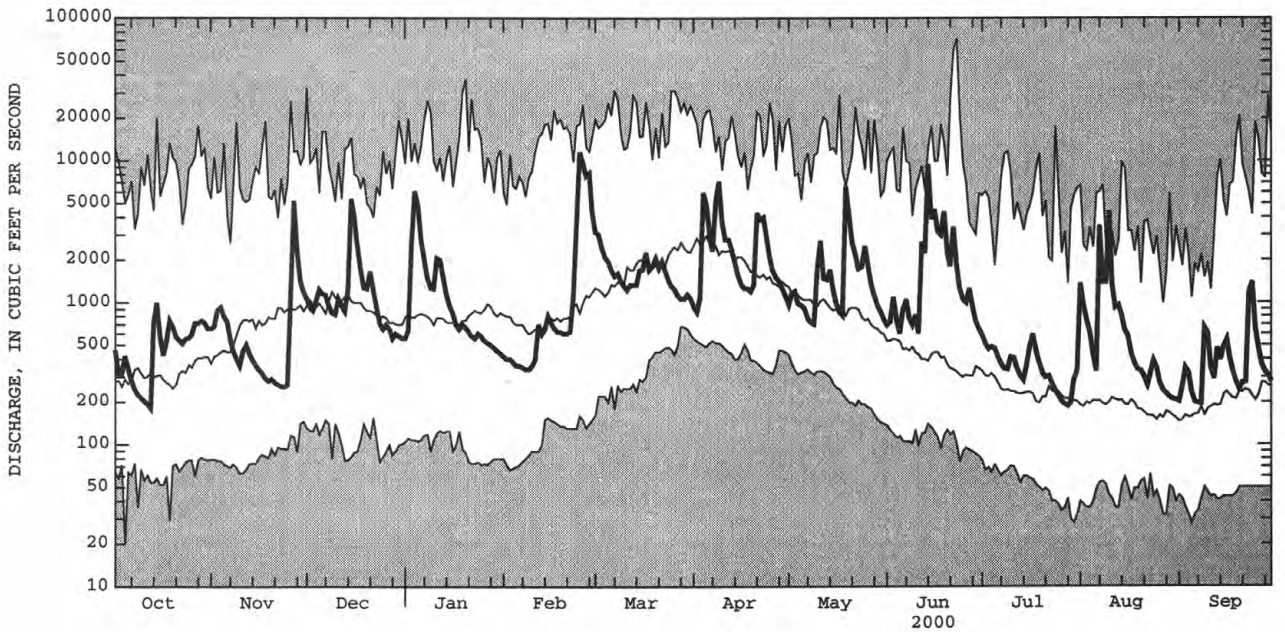
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1908 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	641	1087	1337	1424	1463	2891	2773	1511	893	448	325	411
MAX	3320	4201	4314	4795	5838	7360	7780	4826	7006	1876	1875	4949
(WY)	1918	1928	1928	1913	1976	1936	1940	1919	1972	1915	1977	1977
MIN	74.1	110	160	100	229	945	450	294	118	64.8	64.5	50.1
(WY)	1965	1965	1909	1961	1920	1937	1946	1934	1934	1934	1934	1913

e Estimated

04223000 GENESEE RIVER AT PORTAGEVILLE, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1908 - 2000	
ANNUAL TOTAL	344265		461790			
ANNUAL MEAN	943		1262		1266	
HIGHEST ANNUAL MEAN					2038	1916
LOWEST ANNUAL MEAN					766	1962
HIGHEST DAILY MEAN	17000	Jan 24	11500	Feb 25	72000	Jun 23 1972
LOWEST DAILY MEAN	55	Aug 18	182	Oct 13	20	Oct 5 1913
ANNUAL SEVEN-DAY MINIMUM	64	Aug 13	216	Jul 23	34	Jul 25 1934
ANNUAL RUNOFF (CFSM)	.96		1.28		1.29	
ANNUAL RUNOFF (INCHES)	13.01		17.46		17.48	
10 PERCENT EXCEEDS	2360		2760		2900	
50 PERCENT EXCEEDS	513		740		604	
90 PERCENT EXCEEDS	115		280		135	



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

04224000 MOUNT MORRIS LAKE NEAR MOUNT MORRIS, NY

LOCATION.--Lat 42°44'00", long 77°54'40", Livingston County, Hydrologic Unit 04130002, at Mount Morris Dam on Genesee River, 2.0 mi northwest of Mount Morris, 5.0 mi upstream from Canaseraga Creek, and 69.3 mi upstream from mouth.
DRAINAGE AREA.--1,080 mi^2.
PERIOD OF RECORD.--January 1952 to current year. Prior to October 1970, published as "Mount Morris Reservoir near Mount Morris."
REVISED RECORDS.--WSP 1437: 1955. WSP 2112; WDR NY-82-3: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is sea level (levels by U.S. Army Corps of Engineers). Prior to Apr. 8, 1952, reference point at same site and datum.
REMARKS.--Lake is formed by a concrete gravity-type dam with overflow spillway, completed by U. S. Army Corps of Engineers in 1951 for flood control; first used for flood regulation on Nov. 24, 1951. Usable capacity, 336,800 acre-ft between elevation 585.0 ft, sill of conduits, and 760.0 ft, crest of spillway. Dead storage, 609 acre-ft. Discharge is controlled by the operation of nine gates. Water is stored during high flows and released when downstream conditions warrant.
COOPERATION.--Capacity table provided by U.S. Army Corps of Engineers.
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 755.46 ft, June 25, 1972, contents, 322,600 acre-ft; minimum, 584.06 ft, Aug. 30, 1991, contents, 446.4 acre-ft.
EXTREMES FOR CURRENT YEAR.--Maximum elevation, 676.76 ft, Mar. 1, contents, 112,700 acre-ft; minimum, 586.30 ft, Sep. 8, 9, contents 847 acre-ft.

Capacity table (elevation, in feet, and usable contents, in acre-feet)

(Furnished by U. S. Army Corps of Engineers in 1953)

584.00	436	605.00	8,250	660.00	78,200
586.00	782	610.00	11,600	680.00	119,800
588.00	1,210	620.00	19,800	700.00	166,300
590.00	1,730	630.00	30,500	730.00	245,200
595.00	3,410	640.00	43,700	750.00	305,100
600.00	5,610				

ELEVATION (FEET ABOVE SEA LEVEL), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	591.15	590.45	596.96	590.48	589.44	676.51	592.21	591.71	590.94	589.87	592.04	586.50
2	588.95	590.60	592.58	590.48	589.44	675.09	591.60	592.43	591.06	589.42	593.83	586.47
3	587.88	591.66	592.09	599.99	589.43	672.68	592.70	596.36	592.94	589.14	590.93	587.24
4	587.62	592.03	592.52	615.78	589.42	669.71	608.36	607.89	591.28	589.15	590.59	587.22
5	588.19	591.57	595.40	628.39	589.44	666.53	630.57	612.75	590.07	589.06	589.33	586.88
6	588.11	591.12	594.48	629.62	589.43	662.97	635.78	616.23	591.05	588.55	588.65	586.54
7	587.58	590.24	594.69	628.06	589.44	659.04	637.15	618.45	593.66	588.02	600.25	586.38
8	587.23	589.50	593.24	624.95	589.33	654.54	638.12	616.85	591.65	587.69	599.69	586.32
9	587.04	589.11	592.22	620.71	589.26	649.86	647.51	609.38	590.66	587.64	589.87	587.25
10	586.97	588.78	591.86	615.36	589.71	644.75	653.25	594.26	592.19	588.05	612.14	588.28
11	586.88	588.91	593.35	610.51	589.74	639.40	653.87	610.09	590.45	588.23	616.00	586.73
12	586.78	589.73	593.59	609.01	590.54	633.63	651.89	608.55	599.41	587.76	599.28	586.45
13	586.70	589.32	592.42	604.98	593.02	627.52	648.72	606.93	609.38	587.56	591.50	586.88
14	587.62	589.02	592.68	594.00	592.23	620.46	644.67	611.29	620.99	587.56	590.79	588.24
15	592.38	588.77	612.61	592.25	591.48	613.92	639.98	614.20	634.03	587.70	590.27	589.24
16	589.95	588.58	624.73	593.92	591.58	607.04	634.47	610.35	637.34	588.63	589.90	589.84
17	588.89	588.43	628.17	591.30	591.29	600.95	627.54	601.23	639.33	589.60	589.64	589.21
18	588.57	588.25	628.43	588.90	590.77	598.16	619.48	593.65	638.02	589.27	588.89	588.57
19	590.52	588.12	626.38	590.36	590.63	594.94	611.12	610.32	638.25	588.38	588.42	588.12
20	590.35	588.05	622.91	592.21	590.44	597.83	599.78	629.23	635.70	587.86	588.09	587.87
21	589.84	588.15	618.53	590.89	590.38	596.75	615.07	631.45	630.61	587.76	587.80	587.92
22	589.65	588.02	613.27	589.70	590.74	598.71	625.07	631.43	626.67	587.66	587.29	588.06
23	589.42	587.95	602.50	589.60	592.26	599.52	630.14	629.39	622.18	587.63	587.39	592.41
24	589.54	587.91	591.38	590.66	605.01	594.64	632.14	626.65	613.89	587.46	588.30	604.96
25	589.80	587.91	590.77	590.07	632.11	594.04	629.78	625.21	599.32	587.30	588.05	595.76
26	589.76	589.03	590.33	589.53	651.40	593.93	624.43	623.81	593.00	587.20	587.87	591.27
27	591.02	613.55	590.93	589.63	662.97	593.63	617.36	620.21	593.52	587.18	587.48	590.24
28	590.95	618.71	589.84	589.27	671.93	593.10	609.51	614.55	592.37	587.17	587.29	589.58
29	591.21	615.19	589.84	589.42	676.35	592.88	596.01	604.79	590.84	587.15	587.12	589.38
30	591.19	608.66	590.43	589.37	---	593.55	592.58	591.79	590.16	587.44	586.71	589.07
31	590.72	---	590.63	589.42	---	593.06	---	591.34	---	588.07	586.55	---
MEAN	589.11	592.58	600.31	599.96	602.73	622.88	624.36	611.06	607.03	588.10	591.68	588.96
MAX	592.38	618.71	628.43	629.62	676.35	676.51	653.87	631.45	639.33	589.87	616.00	604.96
MIN	586.70	587.91	589.84	588.90	589.26	592.88	591.60	591.34	590.07	587.15	586.55	586.32

CAL YR 1999 MEAN 597.05 MAX 668.21 MIN 584.88
WTR YR 2000 MEAN 601.54 MAX 676.51 MIN 586.32

04224775 CANASERAGA CREEK ABOVE DANSVILLE, NY

LOCATION.--Lat 42°32'08", long 77°42'16", Livingston County, Hydrologic Unit 04130002, on right bank on Poags Hole Road, 0.7 mi upstream from Stony Brook, and 1.7 mi south of Dansville.
DRAINAGE AREA.--88.9 mi^2.
PERIOD OF RECORD.--August 1974 to current year.
REVISED RECORDS.--WDR NY-82-3: Drainage area. WDR NY-91-3: 1984, 1986(P).
GAGE.--Water-stage recorder. Datum of gage is 715.60 ft above sea level.
REMARKS.--Records fair. Satellite gage-height and precipitation telemeter at station. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,340 ft^3/s, Jan. 19, 1996, gage height, 8.50 ft, from rating curve extended above 1,400 ft^3/s; minimum discharge, 6.5 ft^3/s, Aug. 17, 18, 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)
Feb. 25	1845	1,590	3.15	Aug. 10	0030	*2,810	*4.42
Apr. 8	1945	2,020	3.60				

Minimum discharge, 11 ft^3/s, July 27, 28.

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	15	42	37	e42	217	39	88	48	39	e270	22
2	17	18	40	42	e40	202	37	126	44	34	e125	28
3	15	75	39	138	e38	186	52	101	44	34	56	41
4	22	50	51	543	e37	157	426	e90	35	40	48	29
5	24	42	54	253	e39	144	291	80	34	31	31	27
6	19	34	48	155	e40	112	201	72	98	27	26	23
7	17	31	44	127	e38	94	146	61	63	24	e310	21
8	15	27	39	103	e36	87	639	54	43	22	e70	20
9	14	25	35	91	e38	80	491	48	67	23	287	66
10	14	25	36	94	e40	80	295	164	94	27	769	52
11	13	30	44	151	e41	71	217	144	57	21	256	31
12	13	29	36	132	e45	78	225	156	e320	19	221	28
13	19	27	37	99	e52	68	152	190	230	17	222	42
14	122	26	46	78	e52	83	118	145	303	17	144	31
15	51	25	200	81	e50	124	93	101	206	28	110	67
16	31	23	273	e62	e50	128	80	81	310	32	87	54
17	25	22	147	e50	e48	158	75	74	149	28	62	37
18	24	21	108	e45	e46	115	77	132	219	21	50	29
19	22	20	79	e50	e46	127	68	410	220	19	43	25
20	20	22	85	e52	e44	179	97	222	122	17	37	23
21	19	22	110	e50	e42	166	366	178	150	19	33	23
22	19	21	73	e50	e45	146	507	151	191	20	30	22
23	20	21	52	e50	e100	119	507	131	104	17	40	237
24	19	22	40	e52	e400	101	419	162	75	16	45	138
25	18	22	49	e50	e1100	89	327	243	62	15	32	88
26	17	129	48	e46	704	79	224	153	57	13	28	61
27	17	187	43	e44	461	63	175	124	92	13	25	47
28	18	93	e45	e41	525	56	143	103	57	14	25	41
29	17	64	e45	e39	274	55	115	86	47	38	25	36
30	16	52	42	e38	---	55	99	69	47	29	24	31
31	16	---	40	e40	---	46	---	56	---	89	24	---
TOTAL	719	1220	2070	2883	4513	3465	6701	3995	3588	803	3555	1420
MEAN	23.2	40.7	66.8	93.0	156	112	223	129	120	25.9	115	47.3
MAX	122	187	273	543	1100	217	639	410	320	89	769	237
MIN	13	15	35	37	36	46	37	48	34	13	24	20
CFSM	.26	.46	.75	1.05	1.75	1.26	2.51	1.45	1.35	.29	1.29	.53
IN.	.30	.51	.87	1.21	1.89	1.45	2.80	1.67	1.50	.34	1.49	.59

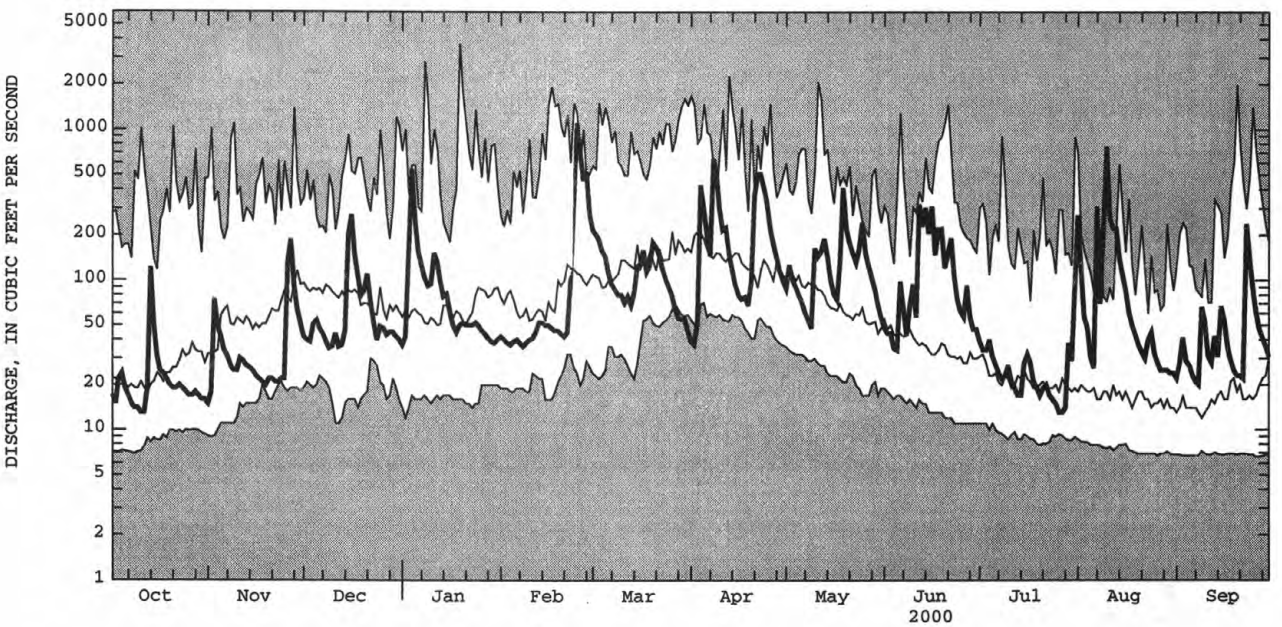
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	52.8	90.1	108	113	135	199	207	117	67.6	38.3	31.9	41.0
MAX	175	194	252	411	432	419	519	327	270	128	115	331
(WY)	1991	1993	1978	1996	1976	1979	1993	1996	1989	1992	2000	1977
MIN	10.7	19.5	21.6	24.4	31.4	70.6	81.8	26.2	16.8	10.8	7.52	6.83
(WY)	1984	1992	1999	1984	1980	1984	1981	1985	1991	1985	1985	1995

e Estimated

04224775 CANASERAGA CREEK ABOVE DANSVILLE, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1974 - 2000	
ANNUAL TOTAL	25347.7		34932			
ANNUAL MEAN	69.4		95.4		99.5	
HIGHEST ANNUAL MEAN					154	1996
LOWEST ANNUAL MEAN					64.1	1999
HIGHEST DAILY MEAN	1360	Jan 24	1100	Feb 25	3680	Jan 19 1996
LOWEST DAILY MEAN	7.4	Aug 18	13	Oct 11	6.6	Sep 26 1995
ANNUAL SEVEN-DAY MINIMUM	8.2	Aug 13	15	Oct 6	6.7	Sep 2 1995
ANNUAL RUNOFF (CFSM)	.78		1.07		1.12	
ANNUAL RUNOFF (INCHES)	10.61		14.62		15.21	
10 PERCENT EXCEEDS	188		220		216	
50 PERCENT EXCEEDS	30		50		52	
90 PERCENT EXCEEDS	11		20		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.

04227000 CANASERAGA CREEK AT SHAKERS CROSSING, NY

LOCATION.--Lat 42°44'13", long 77°50'27", Livingston County, Hydrologic Unit 04130002, on right bank 100 ft upstream from bridge on State Highway 408 at Shakers Crossing, 1.4 mi upstream from mouth, and 1.5 mi northeast of Mount Morris.
DRAINAGE AREA.--335 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1915 to September 1922 (gage height only), November 1958 to September 1970, October 1974 to current year.
REVISED RECORDS.--WDR NY-82-3: Drainage area.
GAGE.--Water-stage recorder and concrete control. Datum of gage is 545.52 ft above sea level. Prior to July 1981 at site 250 ft east on left bank of old filled-in channel at same datum,and prior to November 1958 at site 250 ft east and 40 ft north at datum 5.52 ft lower. April 1968 to September 1970, and since October 1974, auxiliary water-stage recorder 0.6 mi downstream from base gage.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,510 ft^3/s, Jan. 19, 1996, gage height 13.01 ft; maximum gage height 23.62 ft, present datum, May 17, 1916 (backwater from Genesee River); minimum discharge, 4.3 ft^3/s, Aug. 19, 1970, gage height, 2.26 ft, result of temporary regulation.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 23, 1972 reached an estimated discharge of 11,200 ft^3/s from U. S. Army Corps of Engineers publication (Tropical Storm Agnes, June 1972).
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)
Feb. 25	0030	*3,170	*10.34	No other peak greater than base discharge.			

Minimum discharge, 36 ft^3/s, Oct. 13, gage height, 3.52 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	110	46	115	107	e110	804	206	285	185	130	357	66
2	63	54	105	113	e100	637	198	331	173	117	310	64
3	48	144	111	247	e95	514	291	306	171	109	142	91
4	61	150	114	869	e95	461	1140	263	147	127	116	83
5	82	120	132	809	e100	424	898	258	141	117	93	81
6	65	104	128	370	e100	347	576	237	266	104	78	71
7	52	89	130	285	e95	270	448	214	224	94	678	65
8	47	80	108	221	e90	259	1270	206	173	88	361	57
9	44	74	100	193	e90	257	1890	187	179	83	172	207
10	43	71	95	182	e100	246	1020	295	286	102	1430	213
11	43	86	109	328	e110	230	723	497	196	92	626	107
12	42	90	104	371	e120	259	757	662	776	79	618	88
13	39	83	100	249	e150	250	548	843	564	73	550	111
14	244	76	108	164	e150	358	415	522	840	70	316	98
15	189	71	350	e170	e140	452	354	384	535	91	228	141
16	105	67	645	e160	e140	430	309	285	738	97	189	165
17	80	69	398	e150	e130	560	301	236	376	108	158	118
18	76	63	269	e120	e130	464	352	266	285	88	135	93
19	76	60	165	e120	e130	553	312	821	513	78	121	81
20	88	58	191	e140	e120	696	379	764	260	71	108	71
21	74	60	254	e130	e120	529	1440	601	207	67	98	75
22	57	60	182	e120	e140	450	1540	449	383	85	91	76
23	55	58	137	e120	e550	398	1610	363	224	78	106	746
24	61	58	102	e130	e1600	356	1180	512	195	68	133	683
25	60	60	108	e120	2960	326	823	798	162	60	101	320
26	60	158	124	e110	2220	301	585	506	172	55	88	199
27	57	461	122	e110	1580	265	460	339	244	53	83	163
28	57	231	99	e100	1650	249	407	285	195	49	80	142
29	53	148	112	e95	1190	247	359	260	151	93	78	129
30	49	136	114	e95	---	252	312	226	151	129	71	111
31	46	---	113	e100	---	240	---	200	---	86	69	---
TOTAL	2226	3085	5044	6598	14305	12084	21103	12401	9112	2741	7784	4715
MEAN	71.8	103	163	213	493	390	703	400	304	88.4	251	157
MAX	244	461	645	869	2960	804	1890	843	840	130	1430	746
MIN	39	46	95	95	90	230	198	187	141	49	69	57
CFSM	.21	.31	.49	.64	1.47	1.16	2.10	1.19	.91	.26	.75	.47
IN.	.25	.34	.56	.73	1.59	1.34	2.34	1.38	1.01	.30	.86	.52

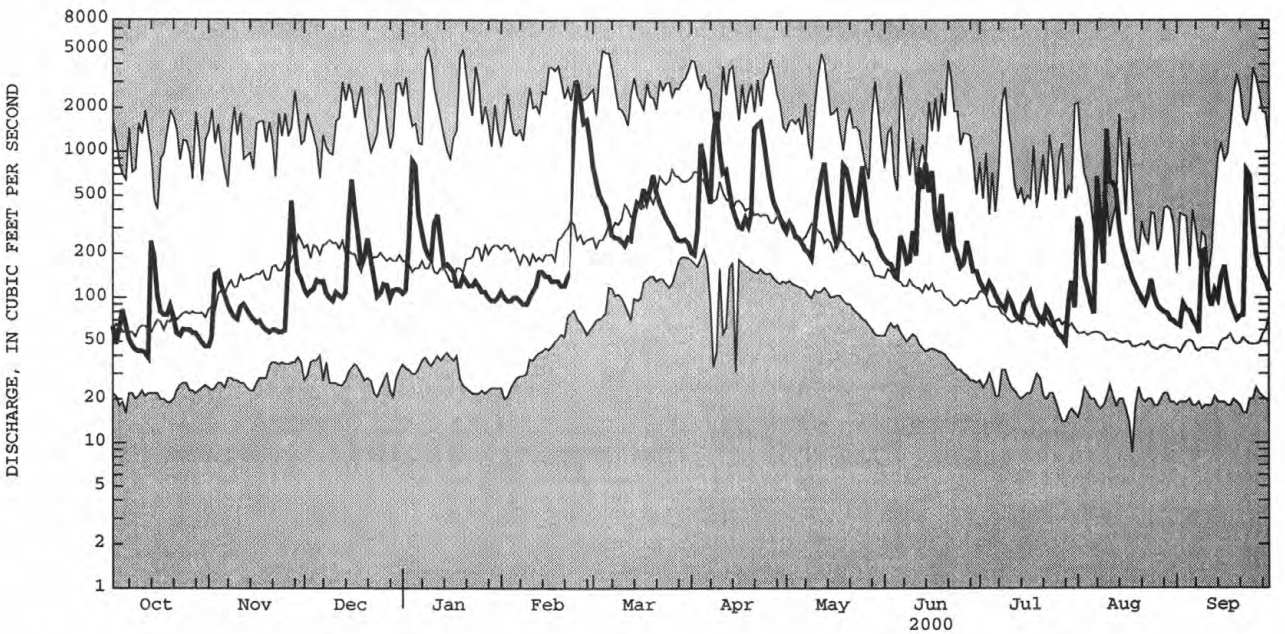
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	147	226	304	326	409	658	661	351	207	112	87.0	108
MAX	601	647	906	1181	1452	1575	1537	1081	913	454	297	1162
(WY)	1978	1993	1978	1998	1976	1979	1993	1996	1989	1992	1992	1977
MIN	24.4	31.3	29.9	30.9	74.6	209	231	109	48.1	22.9	19.9	22.6
(WY)	1965	1965	1961	1961	1963	1965	1995	1995	1965	1965	1965	1965

e Estimated

04227000 CANASERAGA CREEK AT SHAKERS CROSSING, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1959 - 2000	
ANNUAL TOTAL	81277		101198			
ANNUAL MEAN	223		276		300	
HIGHEST ANNUAL MEAN					464	1998
LOWEST ANNUAL MEAN					137	1965
HIGHEST DAILY MEAN	3830	Jan 24	2960	Feb 25	5150	Jan 9 1998
LOWEST DAILY MEAN	27	Aug 19	39	Oct 13	8.5	Aug 18 1970
ANNUAL SEVEN-DAY MINIMUM	30	Aug 31	44	Oct 7	15	Jul 26 1965
ANNUAL RUNOFF (CFSM)	.66		.83		.89	
ANNUAL RUNOFF (INCHES)	9.03		11.24		12.16	
10 PERCENT EXCEEDS	575		629		702	
50 PERCENT EXCEEDS	95		142		149	
90 PERCENT EXCEEDS	36		65		40	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.

SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04227000 CANASERAGA CREEK AT SHAKERS CROSSING, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--1975-1977, 1997 to current year.
SEDIMENT DATA: 1975-1977.
PESTICIDE DATA: 1997-99 (d), 2000 (a).
PERIOD OF DAILY RECORD.--
SEDIMENT: March 1975 to September 1977.
EXTREMES FOR PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT CONCENTRATIONS: Maximum daily mean, 2,940 mg/L, May 6, 1975; minimum daily mean, 2 mg/L, Jan. 28, 1977.
SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 35,900 tons, Mar. 4, 1976; minimum daily, 0.39 tons, Jan. 28, 1977.
REMARKS.--Samples were taken as part of a state-wide pesticide sampling network in cooperation with the New York State Department of Environmental Conservation. Tables of compounds included when pesticide analyses were performed on samples appear following the introduction to the State-wide Monitoring of Pesticides in Surface Water of New York State section on pages 314-315. Additional water-quality data available from New York State Department of Environmental Conservation.

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	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)	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)
OCT											
13...	1430	39	<.002	<.002	.0126	E.0084	<.001	<.002	<.002	<.003	<.003
DEC											
14...	0920	103	<.002	<.002	.0080	E.0046	<.001	<.002	<.002	<.003	<.003

DATE	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)	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)
OCT											
13...	<.004	<.004	<.002	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003
DEC											
14...	<.004	<.004	<.002	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003

DATE	FONOFOS WATER DISS REC (UG/L) (04095)	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)	PARA-THION, DIS-SOLVED (UG/L) (39542)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)
OCT											
13...	<.003	<.002	<.004	<.002	<.005	.0059	<.004	<.004	<.003	<.004	<.006
DEC											
14...	<.003	<.002	<.004	<.002	<.005	.0069	<.004	<.004	<.003	<.004	<.006

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)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)
OCT										
13...	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004	<.013	<.005
DEC										
14...	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004	<.013	<.005

DATE	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	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)
OCT										
13...	<.010	<.007	<.013	<.002	<.001	<.002	<.05	<.05	<.05	<.05
DEC										
14...	<.010	<.007	<.013	<.002	<.001	<.002	<.05	<.05	<.05	<.05

04227000 CANASERAGA CREEK AT SHAKERS CROSSING, NY--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TER-BUTRYN WATER, DISS, REC (UG/L) (38888)	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)	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)
OCT										
13...	<.05	<.20	.27	<.20	<.20	.14	<.20	<.05	--	--
DEC										
14...	<.05	<.20	<.20	<.20	<.20	<.20	<.20	<.05	--	--

04227500 GENESEE RIVER NEAR MOUNT MORRIS, NY

LOCATION.--Lat 42°46'00", long 77°50'21", Livingston County, Hydrologic Unit 04130002, on right bank 100 ft north of Jones Bridge Road, 0.8 mi downstream from Canaseraga Creek, 2.8 mi northeast of Mount Morris, and 63.0 mi upstream from mouth.
DRAINAGE AREA.--1,424 mi^2.
PERIOD OF RECORD.--May 1903 to April 1906, August 1908 to April 1914, July 1915 to current year. Prior to 1968, published as "at Jones Bridge."
REVISED RECORDS.--WSP 1277: 1952. WSP 1387: 1913. WSP 1437: 1955. WSP 2112; WDR NY-82-3: Drainage area. WDR NY-78-1: 1974-77 (M, m).
GAGE.--Water-stage recorder. Datum of gage is 540.12 ft above sea level. Prior to Sept. 11, 1915, nonrecording gage on bridge at datum 2.85 ft lower.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Diurnal fluctuation at low flow caused by powerplant. Flow regulated to some extent by Rushford Lake since July 1928, and at high flows since November 1951 by Mount Morris Lake (see station 04224000). Monthly figures of discharge and runoff 1952 to 1966 water years adjusted for change in contents in Rushford Lake and Mount Morris Lake. Telephone and satellite gage-height telemeters at station. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 55,100 ft^3/s, May 17, 1916, gage height, 25.44 ft; maximum gage height, 25.80 ft, present datum, Mar. 13, 1920 (ice jam); minimum discharge, 18 ft^3/s, Aug. 29, 1909. Maximum discharge since construction of Mt. Morris Reservoir in November 1951, 17,800 ft^3/s, June 23, 1972, gage height, 24.50 ft, minimum discharge, 12 ft^3/s, July 23, 1955, gage height, 0.22 ft, partially obstructed intake.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,900 ft^3/s, Apr. 13, gage height, 11.02 ft; maximum gage height 11.88 ft, Feb. 24 (ice jam); minimum discharge, 177 ft^3/s, Oct. 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	1190	690	1820	e750	e650	e4900	1280	1420	929	754	803	241
2	645	727	1120	736	e700	e5800	1160	1530	907	651	1860	232
3	400	976	1020	e1200	e650	e6200	1360	1510	1090	592	886	366
4	342	1210	1040	3740	e620	e6100	2990	439	1080	606	796	397
5	423	1090	1400	4350	e620	e6000	2400	443	785	587	549	338
6	436	914	1350	3900	e640	e6050	2380	433	981	524	415	265
7	342	728	1370	3740	e640	e6000	3060	572	1420	465	2630	236
8	285	561	1190	3580	e600	e6300	4200	1980	1100	424	3520	217
9	262	472	1020	3390	e600	e6100	3680	2610	855	401	1150	423
10	249	423	924	3150	e600	e5800	2760	1650	1180	454	4580	1080
11	239	432	1060	3040	e650	e5500	4900	3020	890	491	3780	484
12	214	573	1180	3010	e700	e5300	6370	3230	2340	436	2970	381
13	214	522	998	2710	e750	e4800	6820	2700	3170	372	1750	471
14	434	464	1000	e1700	e900	e4400	6490	1630	3870	338	1300	504
15	1440	414	2190	e1100	e900	3880	6130	1910	3570	381	961	549
16	844	384	2690	e1200	e850	3470	5990	2420	3350	480	764	702
17	546	362	2500	e900	e850	3150	5840	2010	3860	588	646	562
18	457	337	2630	e750	e800	2830	4780	1120	4510	611	513	427
19	772	316	2950	e750	e750	2640	3620	2620	5630	480	453	351
20	827	307	3240	e750	e750	3050	2260	3500	5770	397	409	310
21	681	316	3440	e950	e720	2660	2990	3410	5420	349	393	307
22	603	289	3180	e800	e720	2510	4010	3510	5350	366	346	328
23	558	290	2550	e750	e1200	2550	4680	3890	4920	348	354	1440
24	566	278	e1100	e750	e4600	2090	4850	3950	3970	316	495	2710
25	623	280	e800	e800	e3800	1880	5560	4230	2570	285	422	1630
26	585	410	e700	e760	e2800	1830	5450	3870	1330	265	382	761
27	724	3090	e650	e720	2430	1630	4520	3520	1500	246	318	579
28	778	3240	e600	e720	e3400	1510	3620	3210	1450	232	300	477
29	812	3020	e620	e650	e4400	1420	2390	2740	1020	246	285	442
30	832	2710	e650	e600	---	1520	1620	1380	860	345	267	392
31	724	---	e700	e600	---	1450	---	1070	---	352	254	---
TOTAL	18047	25825	47682	52546	38290	119320	118160	71527	75677	13382	34551	17602
MEAN	582	861	1538	1695	1320	3849	3939	2307	2523	432	1115	587
MAX	1440	3240	3440	4350	4600	6300	6820	4230	5770	754	4580	2710
MIN	214	278	600	600	600	1420	1160	433	785	232	254	217

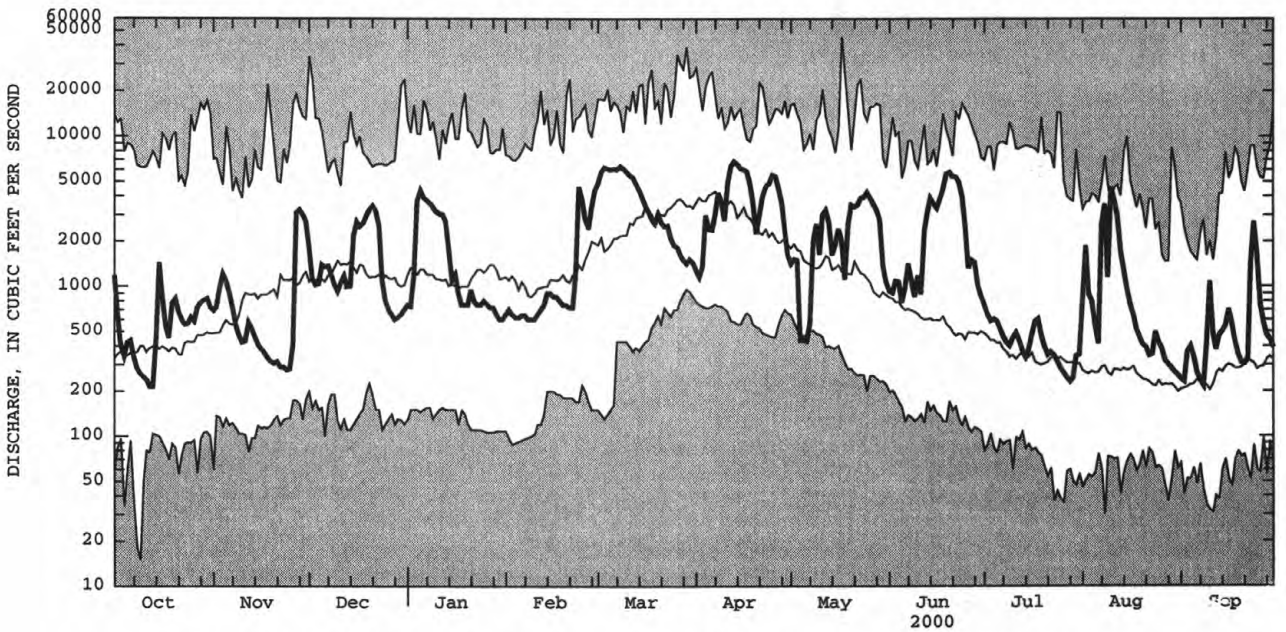
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	947	1462	2013	1847	2034	3770	4086	2133	1213	739	464	544
MAX	4743	3720	5369	5659	5106	7755	7270	5677	4305	6801	2205	4130
(WY)	1978	1968	1973	1998	1990	1976	1978	1996	1989	1972	1977	1977
MIN	107	152	280	135	383	1365	1464	477	191	87.6	118	99.2
(WY)	1961	1965	1961	1961	1958	1960	1995	1955	1955	1955	1965	1995

e Estimated

04227500 GENESEE RIVER NEAR MOUNT MORRIS, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1952 - 2000	
ANNUAL TOTAL	457176		632609			
ANNUAL MEAN	1253		1728		1768	
HIGHEST ANNUAL MEAN					2601	1984
LOWEST ANNUAL MEAN					1057	1965
HIGHEST DAILY MEAN	5930	Feb 6	6820	Apr 13	16500	Jun 24 1972
LOWEST DAILY MEAN	65	Aug 19	214	Oct 12	15	Oct 9 1980
ANNUAL SEVEN-DAY MINIMUM	105	Aug 13	258	Oct 7	57	Jul 27 1955
10 PERCENT EXCEEDS	3580		4360		4760	
50 PERCENT EXCEEDS	600		910		960	
90 PERCENT EXCEEDS	145		342		187	



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

04227980 CONESUS LAKE NEAR LAKEVILLE, NY

LOCATION.--Lat 42°47'39", long 77°43'15", Livingston County, Hydrologic Unit 04130003, on west shore of Conesus Lake at Geneseo Water Works pumping station, 300 ft east of State Highway 256, and 3.0 mi south of Lakeville.
DRAINAGE AREA.--69.8 mi^2.
PERIOD OF RECORD.--July 1963 to current year. Since 1930 in files of village of Geneseo.
REVISED RECORDS.--WSP 2112; WDR NY-82-3: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is sea level. To convert elevations to adjustment of 1988, subtract 0.53 ft. Oct. 1, 1970 to Sep. 30, 1975, at datum 800.00 ft higher. Prior to Oct. 1, 1970, nonrecording gage at site 200 ft downstream at datum 796.59 ft higher.
REMARKS.--Lake elevation regulated by gates at outlet. Area of water surface, 5.08 mi^2. Daily average of about 2 ft^3/s diverted from lake for water supply for Avon, Geneseo, and Lakeville Water District.
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 822.50 ft, June 24, 1972; minimum elevation, 816.11 ft, Dec. 22, 24, 1988.
EXTREMES FOR CURRENT YEAR.--Maximum elevation, 819.38 ft, May 13; minimum elevation, 816.49 ft, Dec. 14.

ELEVATION (FEET ABOVE SEA LEVEL), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	817.10	816.72	816.59	816.66	817.00	818.50	818.84	818.86	818.75	818.44	818.25	817.93
2	817.08	816.73	816.58	816.66	817.01	818.59	818.81	818.83	818.72	818.42	818.28	817.92
3	817.06	816.77	816.57	816.68	817.00	818.65	818.81	818.78	818.68	818.42	818.27	817.91
4	817.09	816.76	816.57	816.75	817.00	818.70	818.91	818.75	818.62	818.42	818.26	817.89
5	817.08	816.74	816.57	816.79	817.00	818.75	818.98	818.75	818.57	818.41	818.23	817.86
6	817.06	816.72	816.58	816.81	817.00	818.79	818.99	818.75	818.58	818.39	818.21	817.83
7	817.04	816.70	816.57	816.83	816.99	818.82	818.98	818.76	818.55	818.36	818.25	817.81
8	817.02	816.69	816.56	816.83	816.99	818.85	819.08	818.77	818.53	818.34	818.25	817.78
9	817.00	816.68	816.55	816.83	816.98	818.87	819.33	818.78	818.53	818.33	818.24	817.80
10	816.99	816.68	816.55	816.84	816.98	818.92	819.31	818.82	818.55	818.33	818.23	817.81
11	816.98	816.69	816.55	816.87	816.98	818.94	819.23	818.87	818.55	818.32	818.22	817.81
12	816.96	816.67	816.54	816.88	816.98	818.99	819.17	819.04	818.59	818.31	818.21	817.81
13	816.95	816.66	816.54	816.92	816.98	819.00	819.08	819.34	818.64	818.29	818.21	817.82
14	816.98	816.65	816.55	816.93	817.01	819.03	818.98	819.32	818.75	818.29	818.20	817.80
15	816.96	816.63	816.60	816.93	817.03	819.06	818.88	819.20	818.85	818.27	818.18	817.82
16	816.94	816.61	816.64	816.94	817.03	819.11	818.77	819.06	818.88	818.28	818.18	817.80
17	816.93	816.60	816.67	816.93	817.03	819.18	818.68	818.92	818.88	818.31	818.15	817.77
18	816.94	816.58	816.68	816.93	817.03	819.20	818.59	818.84	818.84	818.29	818.12	817.75
19	816.93	816.57	816.68	816.94	817.06	819.23	818.49	818.84	818.77	818.27	818.10	817.73
20	816.91	816.55	816.69	816.95	817.07	819.24	818.43	818.84	818.68	818.25	818.08	817.71
21	816.89	816.55	816.69	816.97	817.07	819.23	818.63	818.81	818.62	818.23	818.05	817.71
22	816.88	816.54	816.70	816.97	817.07	819.22	818.82	818.78	818.57	818.20	818.03	817.68
23	816.86	816.54	816.70	816.97	817.09	819.20	819.01	818.75	818.50	818.18	818.04	817.77
24	816.84	816.54	816.69	816.97	817.28	819.17	819.10	818.82	818.43	818.17	818.04	817.83
25	816.82	816.53	816.69	816.97	817.58	819.14	819.11	818.94	818.40	818.15	818.03	817.84
26	816.80	816.59	816.69	816.98	817.83	819.10	819.09	818.95	818.39	818.13	818.01	817.83
27	816.78	816.63	816.68	816.99	818.03	819.05	819.06	818.94	818.44	818.11	818.00	817.82
28	816.76	816.62	816.68	816.99	818.26	819.01	819.02	818.91	818.45	818.12	817.98	817.81
29	816.75	816.61	816.67	816.99	818.40	818.98	818.97	818.87	818.45	818.15	817.97	817.80
30	816.74	816.60	816.66	816.99	---	818.94	818.91	818.83	818.45	818.15	817.95	817.78
31	816.73	---	816.66	817.01	---	818.89	---	818.79	---	818.17	817.94	---
MEAN	816.93	816.64	816.62	816.89	817.20	818.98	818.94	818.89	818.61	818.27	818.13	817.81
MAX	817.10	816.77	816.70	817.01	818.40	819.24	819.33	819.34	818.88	818.44	818.28	817.93
MIN	816.73	816.53	816.54	816.66	816.98	818.50	818.43	818.75	818.39	818.11	817.94	817.68

CAL YR 1999 MEAN 817.72 MAX 819.03 MIN 816.53
WTR YR 2000 MEAN 817.83 MAX 819.34 MIN 816.53

04227995 CONESUS CREEK NEAR LAKEVILLE, NY

LOCATION.--Lat 42°51'20", long 77°43'00", Livingston County, Hydrologic Unit 04130003, on right bank 100 ft upstream from bridge on West Lake Road (State Highway 256), 1.5 mi downstream from Lakeville, and 10.7 mi upstream from mouth.
DRAINAGE AREA.--69.8 mi^2.
PERIOD OF RECORD.--April 1996 to current year.
GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 810 ft above sea level, from topographic map.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Flow regulated by Conesus Lake (see station 04227980). Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,030 ft^3/s, May 12, 1996, gage height, 5.55 ft; minimum discharge, 3.9 ft^3/s, June 13, 1998, gage height, 0.36 ft.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 402 ft^3/s, May 13, gage height, 3.27 ft; minimum discharge, 5.5 ft^3/s, Oct. 7, gage height, 0.44 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	8.6	9.3	12	9.1	17	13	106	141	110	14	22	12
2	8.1	9.8	12	9.2	17	13	104	138	111	14	16	12
3	7.7	10	12	10	16	13	105	136	109	16	15	13
4	8.2	9.4	12	17	16	14	125	85	108	19	15	13
5	6.8	9.2	12	18	16	16	121	35	108	19	14	13
6	6.3	9.0	12	18	e16	18	121	22	111	19	14	13
7	6.1	9.0	12	17	15	20	117	24	89	18	23	13
8	6.9	8.9	12	19	e16	22	168	24	55	19	15	13
9	17	8.4	11	17	16	25	218	24	57	18	14	13
10	17	9.0	12	17	16	30	321	29	55	18	14	13
11	17	9.8	12	17	16	32	307	30	48	15	14	13
12	15	9.7	12	17	17	39	300	119	36	11	14	14
13	13	9.8	12	18	16	44	288	298	52	11	14	12
14	13	9.8	13	17	16	49	277	383	50	11	14	12
15	13	9.6	15	15	16	50	269	367	64	14	14	13
16	13	9.5	14	11	16	55	262	353	96	16	14	12
17	13	9.5	12	12	17	68	256	308	102	15	14	12
18	13	9.5	11	11	16	72	252	260	172	15	14	12
19	12	9.4	11	11	16	100	247	241	205	15	14	12
20	12	9.4	12	11	16	119	157	224	192	15	13	12
21	12	9.0	11	11	16	113	95	200	150	15	13	13
22	12	9.7	9.9	12	16	110	93	168	147	13	13	12
23	12	12	9.8	13	29	115	133	148	145	15	14	23
24	12	12	9.4	11	37	126	169	134	135	14	13	15
25	11	11	9.7	11	33	123	168	128	53	14	12	13
26	11	14	9.7	11	25	117	165	124	31	14	13	13
27	11	13	9.4	e13	24	114	161	122	16	14	12	13
28	11	13	9.6	13	22	110	156	118	14	14	12	13
29	10	12	9.4	24	14	109	150	116	14	16	12	12
30	9.9	12	9.3	20	---	108	144	114	14	14	12	12
31	9.9	---	9.2	19	---	109	---	112	---	16	12	---
TOTAL	348.5	305.7	349.4	449.3	539	2066	5555	4725	2649	471	439	391
MEAN	11.2	10.2	11.3	14.5	18.6	66.6	185	152	88.3	15.2	14.2	13.0
MAX	17	14	15	24	37	126	321	383	205	19	23	23
MIN	6.1	8.4	9.2	9.1	14	13	93	22	14	11	12	12

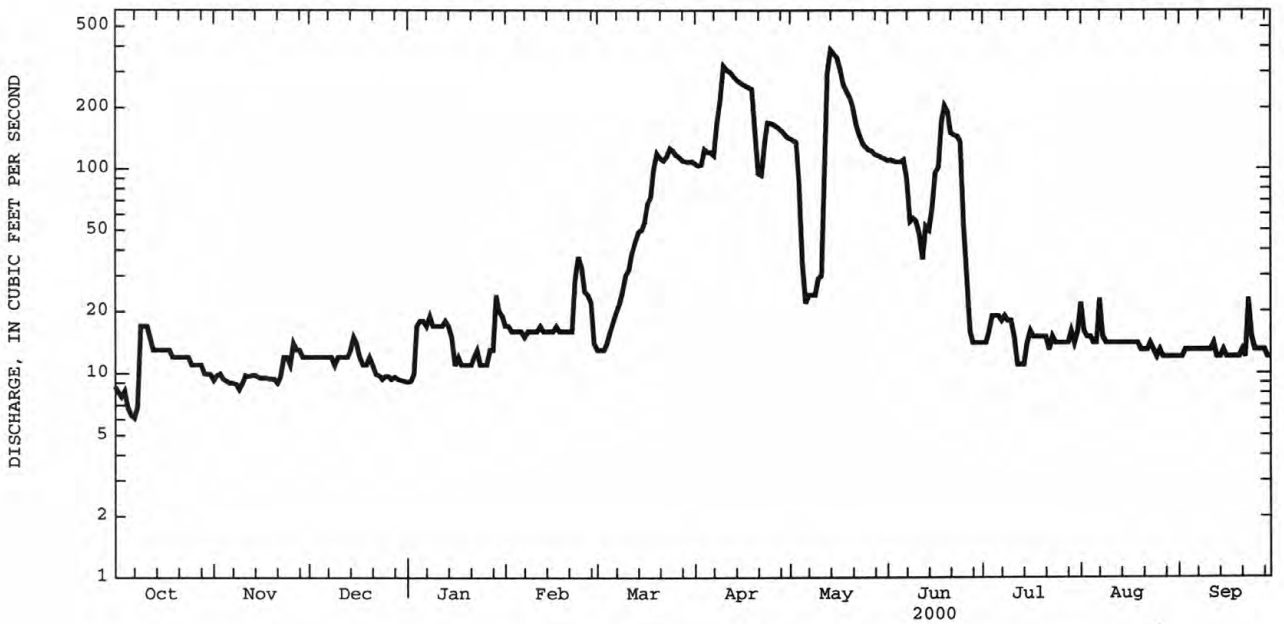
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	20.1	49.9	66.4	94.7	29.6	128	134	120	51.1	30.8	11.9	15.5
MAX	32.4	142	140	276	71.7	197	185	254	88.3	85.6	14.2	23.7
(WY)	1997	1997	1997	1998	1999	1998	2000	1996	2000	1998	2000	1996
MIN	11.2	10.2	10.1	14.5	12.6	66.6	93.1	45.5	13.1	11.3	9.62	12.1
(WY)	2000	2000	1999	2000	1997	2000	1997	1999	1999	1999	1999	1998

e Estimated

04227995 CONESUS CREEK NEAR LAKEVILLE, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1996 - 2000	
ANNUAL TOTAL	13736.0		18287.9			
ANNUAL MEAN	37.6		50.0		59.3	
HIGHEST ANNUAL MEAN					82.1	1998
LOWEST ANNUAL MEAN					39.1	1999
HIGHEST DAILY MEAN	186	Mar 18	383	May 14	997	May 12 1996
LOWEST DAILY MEAN	6.1	Oct 7	6.1	Oct 7	5.1	Feb 5 1998
ANNUAL SEVEN-DAY MINIMUM	7.2	Oct 2	7.2	Oct 2	6.7	Jan 31 1998
10 PERCENT EXCEEDS	135		144		160	
50 PERCENT EXCEEDS	13		15		17	
90 PERCENT EXCEEDS	9.0		9.8		9.7	



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

04228500 GENESEE RIVER AT AVON, NY

LOCATION.--Lat 42°55'04", long 77°45'27", Livingston County, Hydrologic Unit 04130003, on right bank 250 ft downstream from bridge on U.S. Highway 20 (State Highway 5), 0.3 mi west of Avon, 0.8 mi downstream from Conesus Creek, and 35.6 mi upstream from mouth.
DRAINAGE AREA.--1,673 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1955 to current year.
REVISED RECORDS.--WSP 2112; WDR NY-82-3: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 500.11 ft above sea level.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Diurnal fluctuation at low flow caused by powerplant. Flow regulated to some extent by Rushford Lake, at high flows by Mount Morris Lake (see station 04224000), and by Conesus Lake (see station 04227980). Monthly figures of discharge and runoff August 1955 to September 1965 adjusted for change in contents in Rushford Lake and Mount Morris Lake. Telephone gage-height telemeter and satellite gage-height and precipitation telemeter at station. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,500 ft^3/s, June 25, 1972, gage height 40.67 ft; minimum discharge, 47 ft^3/s, Oct. 10-11, 1980, gage height, 13.70 ft.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,020 ft^3/s, Feb. 26, gage height 29.14 ft; minimun discharge, 190 ft^3/s, Oct. 1, gage height, 14.24 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	667	761	2340	e900	e700	5030	1580	1820	1270	954	584	299
2	940	759	1480	e1000	e750	5530	1440	1740	1180	850	1670	286
3	583	873	1170	e1100	e700	6090	1450	1920	1210	756	1350	307
4	426	1160	1110	2890	e680	6160	2670	1310	1480	742	981	467
5	398	1170	1270	4060	e680	6060	3550	712	1180	738	811	449
6	489	1020	1460	3970	e700	6060	2650	658	1130	697	608	370
7	434	917	1390	3700	e700	5930	2880	623	1520	615	797	308
8	352	717	1350	3510	e650	6080	4060	1200	1500	550	3600	280
9	309	587	1180	3350	e650	6120	6190	2270	1190	509	2240	276
10	290	513	1060	3160	e650	5990	4030	2280	1250	501	2430	997
11	277	481	1030	2990	e700	5760	4240	2210	1300	579	3800	878
12	267	542	1250	2950	e750	5510	5780	3250	1260	558	3520	536
13	248	637	1170	2810	e800	5230	6670	4880	3070	480	2200	472
14	270	564	1080	e2000	e1000	4950	6610	3360	3850	424	1610	626
15	913	501	1500	e1200	e1000	4340	6270	2350	4180	403	1250	610
16	1220	452	2380	e1300	e950	3920	5960	2700	3330	506	998	741
17	773	415	2550	e1100	e950	3610	5910	2640	3580	637	877	777
18	593	398	2370	e900	e900	3390	5540	1970	4170	752	709	607
19	627	368	2660	e800	e850	2930	4360	1960	4930	632	607	484
20	889	348	2800	e800	e850	3230	3500	3550	5580	517	542	406
21	838	342	3240	e1000	e800	3240	3460	3790	5420	439	500	370
22	711	343	3200	e900	e800	2770	4370	3590	5210	404	465	374
23	660	327	2840	e800	e1000	2740	5350	3860	5030	418	426	611
24	627	328	1850	e800	e2800	2530	5230	4000	4520	386	510	2310
25	661	316	e900	e900	e5500	2200	5460	4310	3410	344	592	2270
26	684	364	e800	e850	6660	2050	5620	4250	1970	317	501	1300
27	694	1380	e750	e800	4270	1880	5170	3780	1490	295	425	802
28	832	2940	e750	e800	3590	1750	4210	3440	1700	301	374	634
29	833	2960	e650	e700	4550	1640	3430	3080	1340	298	352	538
30	867	2720	e700	e650	---	1670	2210	2290	1080	342	332	487
31	831	---	e800	e650	---	1700	---	1460	---	417	312	---
TOTAL	19203	25203	49080	53340	45580	126090	129850	81253	79330	16361	35973	19872
MEAN	619	840	1583	1721	1572	4067	4328	2621	2644	528	1160	662
MAX	1220	2960	3240	4060	6660	6160	6670	4880	5580	954	3800	2310
MIN	248	316	650	650	650	1640	1440	623	1080	295	312	276

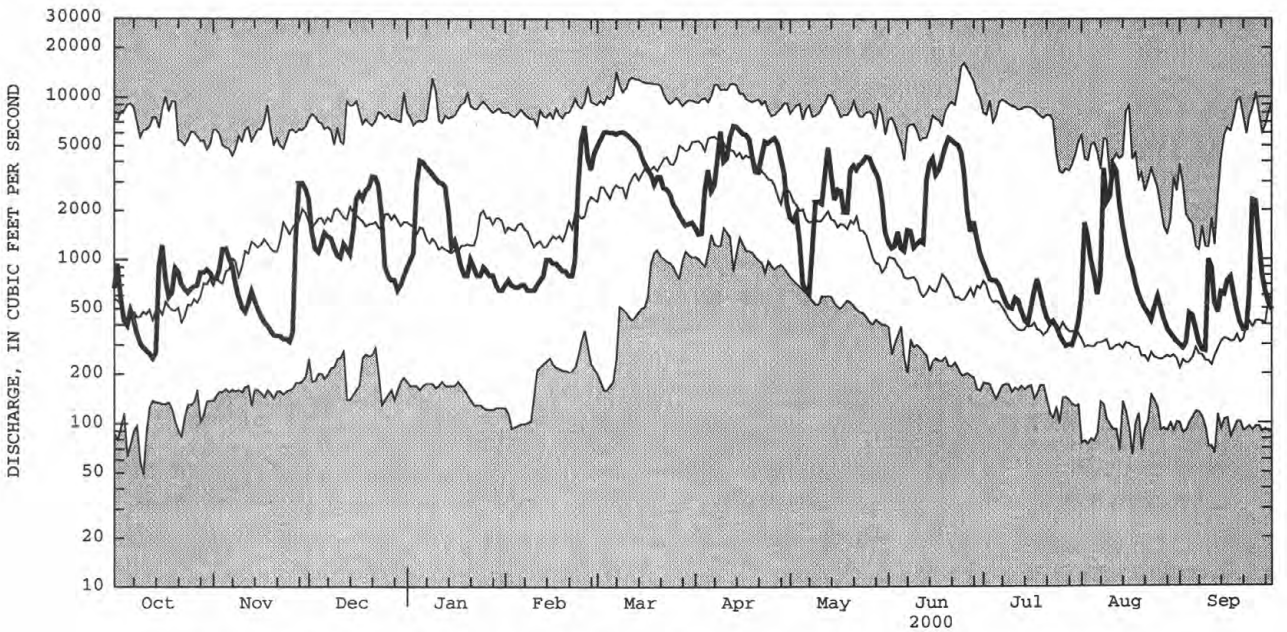
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1040	1610	2244	2072	2306	4125	4535	2359	1344	836	520	592
MAX	5146	3756	5942	6715	6036	8916	7846	6516	4906	7032	2408	4569
(WY)	1978	1997	1973	1998	1990	1956	1993	1996	1989	1972	1992	1977
MIN	145	182	325	155	397	1813	1672	613	281	172	142	111
(WY)	1964	1965	1961	1961	1958	1960	1995	1985	1999	1962	1965	1955

e Estimated

04228500 GENESEE RIVER AT AVON, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1955 - 2000	
ANNUAL TOTAL	482125		681135			
ANNUAL MEAN	1321		1861		1964	
HIGHEST ANNUAL MEAN					2846	1978
LOWEST ANNUAL MEAN					1130	1965
HIGHEST DAILY MEAN	6070	Feb 6	6670	Apr 13	16200	Jun 25 1972
LOWEST DAILY MEAN	104	Aug 16	248	Oct 13	49	Oct 10 1980
ANNUAL SEVEN-DAY MINIMUM	133	Aug 14	288	Oct 8	88	Aug 1 1955
10 PERCENT EXCEEDS	3660		4530		5340	
50 PERCENT EXCEEDS	627		1040		1100	
90 PERCENT EXCEEDS	178		398		221	



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

04228500 GENESEE RIVER AT AVON, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--1975-1977, 1997 to current year.
SEDIMENT DATA: 1975-1977.
PESTICIDE DATA: 1997-99 (d), 2000 (a).
PERIOD OF DAILY RECORD.--
SEDIMENT: April 1975 to September 1977.
EXTREMES FOR PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT CONCENTRATIONS: Maximum daily mean 2,680 mg/L, July 8, 1977; minimum daily mean 1 mg/L, Nov. 27, 28, 1975.
SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 39,800 tons, July 8, 1977; minimum daily, 1.7 tons, Nov. 27, 1975.
REMARKS.--Samples were taken as part of a state-wide pesticide sampling network in cooperation with the New York State Department of Environmental Conservation. Tables of compounds included when pesticide analyses were performed on samples appear following the introduction to the State-wide Monitoring of Pesticides in Surface Water of New York State section on pages 314-315. Additional water-quality data available from New York State Department of Environmental Conservation.

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	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)	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)
OCT											
13...	1400	240	<.002	<.002	.0150	E.0117	<.001	<.002	<.002	<.003	<.003
DEC											
14...	1100	1070	<.002	<.002	.0090	E.0075	<.001	<.002	<.002	<.003	<.003

DATE	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)	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)
OCT											
13...	<.004	<.004	<.002	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003
DEC											
14...	<.004	<.004	<.002	<.006	<.002	<.001	<.003	<.017	.0074	<.004	<.003

DATE	FONOFOS WATER DISS REC (UG/L) (04095)	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)	PARA-THION, DIS-SOLVED (UG/L) (39542)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)
OCT											
13...	<.003	<.002	<.004	<.002	<.005	.0082	<.004	<.004	<.003	<.004	<.006
DEC											
14...	<.003	<.002	<.004	<.002	<.005	.0066	<.004	<.004	<.003	<.004	<.006

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)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)
OCT										
13...	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004	<.013	.0081
DEC										
14...	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004	<.013	<.005

DATE	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	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)
OCT										
13...	<.010	<.007	<.013	<.002	<.001	<.002	<.05	<.05	<.05	<.05
DEC										
14...	<.010	<.007	<.013	<.002	<.001	<.002	<.05	<.05	<.05	<.05

04228500 GENESEE RIVER AT AVON, NY--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TER-BUTRYN WATER, DISS, REC (UG/L) (38888)	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)	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)
OCT										
13...	<.05	<.20	<.20	<.20	<.20	.22	<.20	<.05	--	--
DEC										
14...	<.05	<.20	<.20	<.20	<.20	<.20	<.20	<.05	--	--

04229500 HONEOYE CREEK AT HONEOYE FALLS, NY

LOCATION.--Lat 42°57'26", long 77°35'21", Monroe County, Hydrologic Unit 04130003, on right bank 25 ft downstream from bridge on State Highway 65 at Honeoye Falls, and 15.3 mi upstream from mouth.
DRAINAGE AREA.--196 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1945 to September 1970, October 1972 to current year.
REVISED RECORDS.--WDR NY-82-3: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 610.00 ft above sea level. Prior to Sept. 30, 1970, water-stage recorder at same site at datum 609.76 ft above sea level.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Outlet of Honeoye Lake not controlled. Some diversion from, and regulation of Hemlock and Canadice Lakes for water supply of city of Rochester. Diurnal fluctuation at low flow caused by mills upstream from station. Prior to 1967 water year, published monthly figures adjusted for change in contents in, and diversion from, Hemlock and Canadice Lakes. During low-water periods the village of Honeoye Falls pumps water from two deep wells with maximum pumping capacity of 600 gal/min (1.33 ft^3/s). This pumped water enters creek upstream from gage. Satellite gage-height telemeter at station. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,630 ft^3/s, Mar. 28, 1950, gage height, 6.42 ft, datum then in use, from rating curve extended above 2,700 ft^3/s; minimum discharge, 0.06 ft^3/s, Aug. 28, 1949.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 23, 1972, reached a stage of about 6.3 ft, present datum; discharge, about 6,600 ft^3/s, from rating curve extended above 2,700 ft^3/s.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 25	1630	ice jam	*3.59	May 13	2000	*1,200	3.34

Minimum discharge, 0.37 ft^3/s, Sep. 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	2.5	5.1	20	e45	46	487	88	124	74	50	13	5.1
2	1.4	5.1	20	48	50	416	82	125	73	43	19	4.3
3	1.0	7.7	20	50	52	365	101	132	64	39	22	4.1
4	4.4	3.0	23	88	52	312	338	113	54	36	18	3.9
5	5.1	3.3	24	207	52	284	502	100	47	34	14	3.7
6	5.9	5.2	26	132	52	236	326	93	56	32	12	3.3
7	6.4	5.5	30	119	50	191	245	82	85	28	14	2.9
8	5.6	5.3	42	91	46	165	364	72	73	24	16	1.6
9	4.7	6.1	43	100	42	152	850	66	58	22	16	1.1
10	3.8	7.4	35	84	47	166	615	66	65	20	14	.57
11	3.3	7.0	33	84	e50	171	397	122	62	19	16	.52
12	2.9	5.5	34	97	e56	157	339	231	52	17	16	1.5
13	2.7	5.6	33	89	e56	154	323	992	76	15	20	1.6
14	4.2	6.4	34	e70	e58	190	256	892	248	14	19	1.5
15	3.6	6.3	44	e66	e54	237	210	539	224	13	17	4.3
16	7.7	6.5	83	e64	e54	228	180	390	333	14	19	5.1
17	14	6.4	138	e60	e58	275	153	294	511	24	17	5.6
18	10	6.2	117	e58	e62	243	172	222	395	48	15	5.1
19	7.7	5.8	e75	e54	e62	246	174	337	279	33	13	4.0
20	6.8	5.6	89	e50	e60	331	163	498	239	23	11	3.0
21	7.0	6.0	85	e47	e62	258	568	423	186	18	9.4	3.0
22	6.8	6.2	e72	e44	e66	205	719	315	189	15	8.1	2.5
23	6.4	5.9	e60	e42	e110	176	881	239	176	13	9.6	12
24	6.0	5.5	e50	e42	e300	158	703	262	125	11	7.7	28
25	5.5	5.0	e42	e43	e600	143	467	334	99	9.0	8.2	32
26	5.3	12	e40	e43	e780	132	336	273	91	8.2	9.1	22
27	5.1	20	e38	e40	714	118	261	187	84	7.2	8.3	17
28	4.5	35	e37	e39	777	110	214	142	80	7.5	7.6	17
29	4.4	28	e36	e40	667	104	181	114	69	7.2	7.1	17
30	4.3	23	e38	e42	---	101	148	94	59	5.8	10	16
31	4.4	---	e40	45	---	97	---	81	---	7.3	6.3	---
TOTAL	163.4	261.6	1501	2123	5135	6608	10356	7954	4226	657.2	412.4	229.29
MEAN	5.27	8.72	48.4	68.5	177	213	345	257	141	21.2	13.3	7.64
MAX	14	35	138	207	780	487	881	992	511	50	22	32
MIN	1.0	3.0	20	39	42	97	82	66	47	5.8	6.3	.52

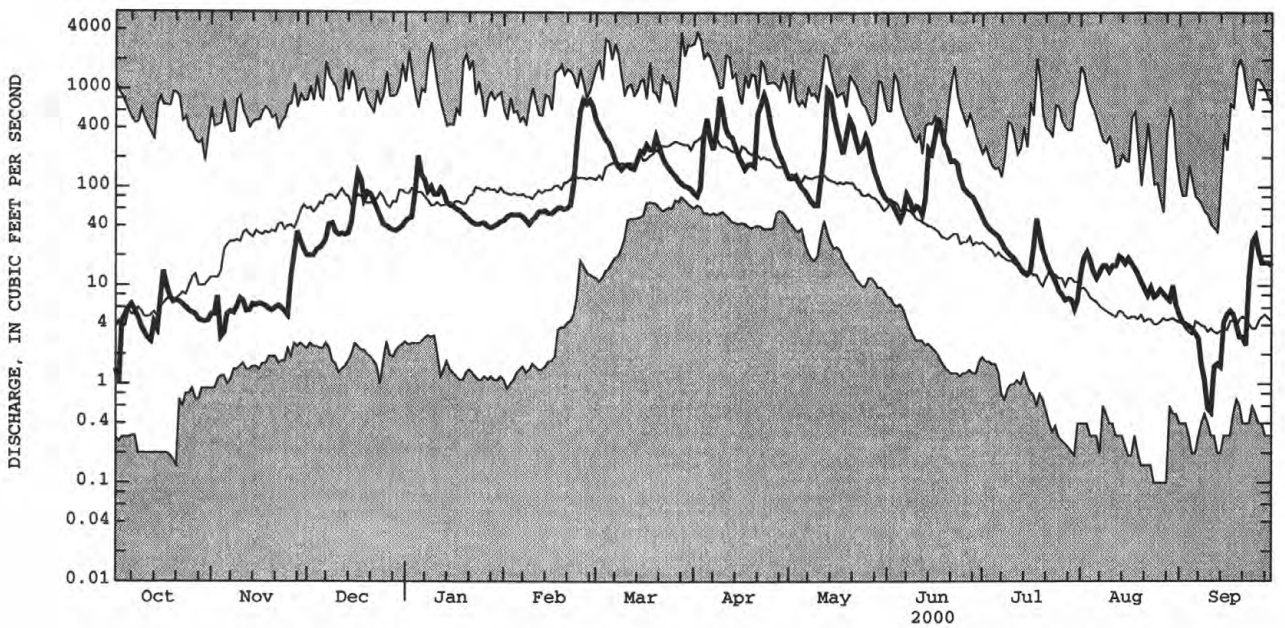
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1946 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	41.2	76.3	129	135	163	298	328	176	77.3	32.7	22.4	21.2
MAX	443	345	493	486	664	685	1146	608	344	377	336	538
(WY)	1978	1978	1946	1998	1976	1976	1993	1996	1989	1992	1992	1977
MIN	.45	2.06	2.04	2.15	10.3	107	50.0	23.7	3.19	1.04	.75	.64
(WY)	1964	1961	1961	1961	1958	1965	1946	1995	1995	1955	1949	1964

e Estimated

04229500 HONEOYE CREEK AT HONEOYE FALLS, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1946 - 2000	
ANNUAL TOTAL	28125.11		39626.89			
ANNUAL MEAN	77.1		108		125	
HIGHEST ANNUAL MEAN					238	1993
LOWEST ANNUAL MEAN					46.4	1965
HIGHEST DAILY MEAN	1200	Jan 24	992	May 13	3820	Apr 2 1993
LOWEST DAILY MEAN	.19	Jul 30	.52	Sep 11	.10	Aug 24 1949
ANNUAL SEVEN-DAY MINIMUM	.26	Jul 24	1.2	Sep 8	.13	Aug 22 1949
10 PERCENT EXCEEDS	239		313		327	
50 PERCENT EXCEEDS	11		44		52	
90 PERCENT EXCEEDS	1.2		5.1		2.5	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.

SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04229500 HONEOYE CREEK AT HONEOYE FALLS, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 1998 to current year.
CHEMICAL DATA: 1999-2000 (e)
NUTRIENT DATA: 1999-2000 (e)
INSTRUMENTATION.--Automatic water sampler since March 1998.
COOPERATION.--Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, N.Y.

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

DATE	TIME	ENDING TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	TUR-BID-ITY (NTU) (00076)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)
OCT							
04-04	1015	2115	4.7	4.3	59	37	--
08-08	0925	2025	5.3	2.4	63	38	--
12...	1010	--	3.0	1.8	54	36	--
14...	1035	--	3.8	18	61	34	--
18-21	1010	1010	7.6	3.0	62	40	--
21-25	1005	0905	6.4	2.4	61	4	--
25-28	1005	0905	5.2	2.2	48	43	--
OCT 28-							
NOV 01	0935	0835	4.4	1.8	50	45	--
01-04	0945	0845	5.7	4.2	62	45	--
04-08	0940	0840	4.4	2.0	91	45	--
08-12	1010	0910	6.5	2.3	49	46	--
12-15	0955	0855	5.9	1.6	56	44	--
15-18	0925	0825	6.4	2.2	57	45	--
18-22	0940	0840	5.9	2.0	58	46	--
22-24	0935	0835	5.9	2.3	58	46	--
24-26	0900	0900	5.9	1.7	65	49	--
26-28	0100	1200	22	7.5	40	46	--
28-29	1300	0800	32	10	50	48	--
NOV 29-							
DEC 02	0950	0850	22	7.4	57	49	--
02-06	0950	0850	22	4.4	66	47	--
06-09	0925	0825	36	7.5	112	37	--
09-13	0925	0825	35	6.8	100	33	--
13-14	0945	1445	33	5.2	83	33	--
14-16	1545	0845	47	17	59	50	--
16-17	0945	1645	117	40	63	48	--
17-20	1745	0845	99	17	52	46	--
20-23	0925	0625	79	7.9	18	14	--
23-27	0925	0825	46	6.0	58	40	--
JAN							
03...	0935	--	43	4.1	54	39	--
03-05	0940	0840	100	31	46	41	44
05-06	0940	0840	193	65	39	51	65
06-10	1035	0835	101	16	44	43	--
10-14	0925	0825	87	5.2	41	39	--
14-17	0925	0825	67	5.6	36	40	--
20...	0955	--	50	3.0	35	38	--
20-21	1000	1300	49	2.4	44	41	--
24-27	0935	0835	42	4.0	41	39	--
27-31	1010	0910	41	2.8	37	39	--
JAN 31-							
FEB 03	0945	0845	48	2.9	40	49	--
03-07	0945	0845	52	2.6	38	41	--
07-10	0945	0845	45	2.5	43	43	--
10-14	1005	0905	53	2.7	50	58	--
14-18	1000	0800	56	3.6	39	73	--
18-22	0905	0805	62	3.3	42	80	--
22-24	0950	0850	133	28	41	81	--
24-25	0945	1645	464	190	28	58	328
25-26	1745	1645	733	140	21	38	252
FEB 28-							
MAR 02	0945	0845	604	40	26	35	47
02-06	1005	0905	326	12	25	34	--
06-09	0945	0845	185	9.0	28	40	--
09-13	0955	0855	162	14	25	42	--
13-15	1005	1205	191	7.7	30	47	--
15-16	1305	0905	234	17	26	51	--
16-20	0950	0850	258	13	30	51	--
20-23	0945	0845	245	16	27	49	--
23-27	0940	0840	146	7.6	28	49	--
27-30	0935	0835	108	7.0	30	38	--

04229500 HONEOYE CREEK AT HONEOYE FALLS, NY--Continued

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

DATE	RESIDUE VOLATILE, SUSPENDED (MG/L) (00535)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)
OCT						
04-04	--	.07	<.01	.30	.060	.006
08-08	--	.03	<.01	.45	.025	.006
12...	--	<.01	<.01	.56	.020	.006
14...	--	.17	.01	.27	.050	.017
18-21	--	.05	<.01	.35	.030	.011
21-25	--	.04	<.01	.29	.020	.007
25-28	--	.03	<.01	.41	.035	.008
OCT 28-						
NOV 01	--	<.02	<.01	.27	.025	.008
01-04	--	.03	<.01	.29	.030	.010
04-08	--	.09	<.01	.85	.025	.007
08-12	--	.03	<.01	.31	.035	.007
12-15	--	.04	<.01	.39	.035	.003
15-18	--	.02	<.01	.34	.025	.005
18-22	--	.04	<.01	.36	.030	.004
22-24	--	.03	<.01	.31	.020	.004
24-26	--	.04	<.01	.25	.020	.005
26-28	--	.08	<.01	N	.040	.007
28-29	--	.06	<.01	.35	.050	.006
NOV 29-						
DEC 02	--	.09	<.01	.44	.040	.007
02-06	--	.08	<.01	.41	.035	.007
06-09	--	.08	<.01	.46	.035	.005
09-13	--	.09	<.01	.43	.035	.006
13-14	--	.08	.01	.32	.030	.006
14-16	--	.27	<.01	.49	.055	.008
16-17	--	.44	.01	.66	.110	.008
17-20	--	.44	.01	.33	.050	.007
20-23	--	.40	<.01	.43	.030	.007
23-27	--	.46	<.01	.44	.030	.005
JAN						
03...	--	.33	<.01	.24	.025	.006
03-05	<5	.58	<.01	.58	.090	.014
05-06	7	1.1	<.01	.77	N	N
06-10	--	.71	<.01	.36	.045	.009
10-14	--	.44	<.01	.45	.035	.007
14-17	--	.34	<.01	.28	.030	.008
20...	--	.27	<.01	.28	.020	.005
20-21	--	.34	<.01	.48	.045	.004
24-27	--	.31	<.01	.18	.020	.005
27-31	--	.33	<.01	.31	.023	.006
JAN 31-						
FEB 03	--	.34	<.01	.24	.020	.006
03-07	--	.35	<.01	.22	.020	.005
07-10	--	.38	<.01	.28	.025	.006
10-14	--	.46	<.01	.30	.025	.008
14-18	--	.43	<.01	.30	.020	.006
18-22	--	.41	<.01	.43	.025	.008
22-24	--	.73	.01	.72	.095	.011
24-25	29	2.1	<.01	1.0	.430	.026
25-26	20	1.5	<.01	1.6	.310	.018
FEB 28-						
MAR 02	<5	.78	<.01	.90	.085	.011
02-06	--	.54	<.01	.36	.040	.006
06-09	--	.51	<.01	.37	.040	.008
09-13	--	.30	.01	.37	.035	.006
13-15	--	.44	<.01	.31	.035	.006
15-16	--	.62	<.01	.58	.040	.006
16-20	--	.72	<.01	.36	.035	.005
20-23	--	.50	<.01	.40	.040	.004
23-27	--	.23	<.01	.30	.030	.004
27-30	--	.17	<.01	.31	.030	.003

N Presumptive evidence of presence of material.

04229500 HONEOYE CREEK AT HONEOYE FALLS, NY--Continued

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

DATE	TIME	ENDING TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	TUR-BID-ITY (NTU) (00076)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)
MAR 30-APR 03	0945	0845	91	5.0	28	39	--
03-05	1025	0625	299	19	30	46	--
05-06	0725	0925	442	27	21	41	--
06-07	0935	0835	283	12	24	40	--
07-09	0935	1235	450	63	20	34	88
09-10	1335	0835	791	65	19	30	79
10-13	0935	0835	402	16	22	33	--
13-17	1010	0910	223	7.1	22	34	--
20-23	1020	1320	595	37	23	33	42
23-24	1420	0920	843	33	20	29	42
24-27	1005	0905	433	13	18	26	--
APR 27-MAY 01	0945	0845	187	5.8	24	28	--
01-04	0925	0825	126	5.7	27	31	--
04-08	1000	0900	92	.40	22	29	--
15...	1040	--	544	20	18	24	--
15-16	1045	0645	469	18	19	22	--
18-18	0935	2035	215	34	19	24	63
22...	0945	--	320	12	17	26	--
26...	0900	--	294	11	19	27	--
26-27	0910	0410	244	6.5	18	26	--
30...	0950	--	96	7.1	16	26	--
30-30	0955	2255	91	8.7	21	26	--
JUN 05-07	0935	1135	59	9.9	20	28	--
12...	1000	--	52	5.5	25	33	--
12-13	1005	0905	51	8.4	18	30	--
13-14	1005	0105	95	110	48	32	188
15...	1000	--	201	18	61	34	--
19...	0935	--	276	14	15	23	--
19-22	0945	0845	220	19	20	25	--
22-26	1010	0910	138	15	20	24	--
26-29	0920	0820	83	13	21	25	--
JUN 29-JUL 03	0950	0850	52	7.8	16	25	--
03-06	0925	0825	36	7.7	15	24	--
06-10	0935	0835	25	6.6	22	26	--
10-13	1115	0915	18	4.5	20	25	--
13-17	0935	0835	14	4.0	25	26	--
17-20	1010	0910	37	6.7	16	24	--
20-24	1010	0910	16	5.3	31	26	--
24-27	1025	0925	8.7	4.5	26	28	--
27-31	1000	0900	6.8	3.8	27	35	--
JUL 31-AUG 01	1040	0040	8.8	23	19	29	--
01-03	0140	0940	17	6.1	15	27	--
03-07	1050	0950	16	6.6	20	31	--
07-10	1000	0900	16	5.5	29	33	--
10-14	0940	0840	17	5.1	24	33	--
14-17	0935	0835	18	4.1	24	33	--
17-21	0925	0825	13	4.1	23	29	--
21-24	0955	0855	8.9	3.9	21	28	--
24-28	0950	0850	8.3	3.2	25	30	--
AUG 28-SEP 01	0925	0825	7.6	3.1	27	28	--
01-05	0915	0815	4.2	4.6	22	28	--
05-07	0940	0840	3.4	3.2	21	28	--
07-08	1005	0905	2.5	3.0	24	29	--
11-14	1005	0905	1.3	10	24	39	--
14-18	1045	0915	4.5	4.8	31	33	--
18-21	1010	0910	3.8	3.5	27	34	--
21-22	1025	2125	2.7	2.6	28	34	--
22-25	2225	0925	22	15	25	32	--
25-28	0955	0855	21	6.0	28	37	--
SEP 28-OCT 02	0945	0845	16	4.6	32	43	--

04229500 HONEOYE CREEK AT HONEOYE FALLS, NY--Continued

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

DATE	RESIDUE VOLATILE, SUSPENDED (MG/L) (00535)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)
MAR 30-APR 03	--	.14	<.01	.28	.025	.003
03-05	--	.28	<.01	.43	.085	.006
05-06	--	.31	<.01	.43	.075	.007
06-07	--	.30	<.01	.29	.040	.006
07-09	10	.33	<.01	.69	.130	.007
09-10	10	.54	<.01	.86	.130	.010
10-13	--	.44	<.01	.32	.045	.006
13-17	--	.22	.03	.33	.025	.005
20-23	6	.47	.02	.50	.090	.006
23-24	6	.50	<.01	.60	.075	.007
24-27	--	.21	<.01	.54	.050	.005
APR 27-MAY 01	--	.13	.02	.78	.040	.009
01-04	--	.11	<.01	.48	.100	.005
04-08	--	.07	<.01	.53	.040	.005
15...	--	.23	.01	1.7	.080	.017
15-16	--	.18	.01	.45	.070	.011
18-18	10	.65	.02	.62	.110	.008
22...	--	.27	<.01	.40	.055	.012
26...	--	.25	<.01	.40	.055	.011
26-27	--	.11	<.01	.46	.085	.010
30...	--	.03	<.01	.31	.040	.006
30-30	--	.08	<.01	.66	.055	.008
JUN 05-07	--	.10	<.01	.41	.065	.008
12...	--	.15	<.01	.39	.035	.008
12-13	--	.15	<.01	.44	.060	.011
13-14	24	.80	.02	.65	.350	.019
15...	--	.72	.03	.63	.100	.028
19...	--	.15	.01	.46	.085	.027
19-22	--	.17	<.01	.39	.100	.019
22-26	--	.12	<.01	.74	.095	.018
26-29	--	.12	<.01	.55	.085	.015
JUN 29-JUL 03	--	.10	<.01	.46	.080	.016
03-06	--	.07	<.01	.36	.070	<.005
06-10	--	.10	<.01	.40	.050	.011
10-13	--	.08	.01	.33	.040	.008
13-17	--	.09	.02	.28	.035	.009
17-20	--	.07	<.01	.39	.040	.009
20-24	--	.08	.02	.50	.035	.009
24-27	--	.07	<.01	.39	.040	.010
27-31	--	.07	<.01	.36	.015	.010
JUL 31-AUG 01	--	.15	<.01	.59	.095	.027
01-03	--	.06	<.01	.36	.050	.012
03-07	--	.06	<.01	.42	.045	.011
07-10	--	.09	<.01	.32	.035	.010
10-14	--	.10	<.01	.29	.035	.010
14-17	--	.08	<.01	.37	.025	.009
17-21	--	.06	<.01	.44	.030	.007
21-24	--	.05	<.01	.31	.030	.007
24-28	--	.08	<.01	.29	.035	.011
AUG 28-SEP 01	--	.07	<.01	.39	.030	.008
01-05	--	.07	<.01	.35	.040	.012
05-07	--	.06	<.01	.32	.030	.011
07-08	--	.07	<.01	.44	.040	.011
11-14	--	.24	.02	.59	.085	.027
14-18	--	.11	.01	.35	.040	.013
18-21	--	.06	<.01	.28	.040	.011
21-22	--	.06	<.01	.34	.025	.012
22-25	--	.36	<.01	.59	.080	.018
25-28	--	.25	<.01	.50	.040	.015
SEP 28-OCT 02	--	.13	<.01	.38	.035	.009

04230380 OATKA CREEK AT WARSAW, NY

LOCATION.--Lat 42°44'39", long 78°08'16", Wyoming County, Hydrologic Unit 04130003, on right bank 400 ft downstream from bridge on Court Street, Warsaw.
DRAINAGE AREA.--39.1 mi^2.
PERIOD OF RECORD.--December 1963 to current year.
REVISED RECORDS.--WSP 2112; WDR NY-82-3: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 987.15 ft above sea level (levels by Corps of Engineers).
REMARKS.--Records fair. Telephone gage-height telemeter and satellite gage-height and precipitation telemeter at station. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,110 ft^3/s, July 8, 1998, gage height 9.90 ft, from rating curve extended above 1,800 ft^3/s on basis of slope-area measurement of peak discharge; minimum discharge, 0.90 ft^3/s, Aug. 1, 1965.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 690 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 25	1715	763	3.61	Sep. 23	1300	*1,720	*5.83
Apr. 8	1730	983	4.18				

Minimum discharge, 6.0 ft^3/s, Oct. 13, 22.

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	14	7.3	33	29	e14	114	22	40	18	17	39	10
2	8.8	26	28	e90	e13	128	25	74	20	15	33	69
3	7.2	108	31	429	e13	82	64	46	20	15	60	35
4	25	75	35	463	e13	79	359	39	15	16	37	16
5	19	61	34	187	e13	84	154	39	17	15	19	13
6	12	45	39	92	e13	65	93	36	64	14	17	11
7	9.3	27	34	66	e13	50	60	28	34	13	54	e10
8	7.9	20	27	45	e13	54	536	25	20	12	24	e10
9	8.6	16	24	44	e12	98	298	24	67	14	18	e110
10	8.3	24	34	81	e15	185	155	53	48	17	18	e50
11	7.8	88	52	146	e25	73	119	49	72	13	50	e35
12	7.2	41	33	83	e25	60	132	119	192	12	46	e23
13	7.9	27	32	52	e24	55	115	116	95	11	37	e45
14	30	21	39	e35	19	112	85	68	153	13	23	e35
15	15	18	127	e28	17	141	66	36	78	20	19	e22
16	9.4	15	219	e26	e16	133	56	27	65	110	16	41
17	8.2	13	123	e25	e16	127	58	24	41	55	14	28
18	21	13	85	e25	e15	e80	58	38	37	31	13	21
19	16	12	e80	e24	15	106	49	115	37	22	13	18
20	11	12	130	e24	13	137	156	90	26	17	12	17
21	8.9	13	193	e24	13	80	348	67	27	15	12	22
22	7.8	12	81	e22	19	60	273	47	27	14	11	18
23	15	11	70	e20	e150	46	245	39	20	13	25	743
24	34	17	e60	e20	e450	38	157	115	19	13	20	199
25	16	20	e55	e19	666	37	97	131	23	12	14	92
26	11	179	e45	e19	512	29	72	58	20	11	13	56
27	9.2	204	e38	e18	449	25	61	38	60	11	13	42
28	8.9	83	e35	e17	280	23	53	31	26	13	13	58
29	7.9	51	32	e16	144	43	46	27	21	30	12	38
30	7.4	39	34	e15	---	45	40	23	21	19	11	32
31	7.3	---	32	e14	---	34	---	19	---	21	11	---
TOTAL	387.0	1298.3	1914	2198	3000	2423	4052	1681	1383	624	717	1919
MEAN	12.5	43.3	61.7	70.9	103	78.2	135	54.2	46.1	20.1	23.1	64.0
MAX	34	204	219	463	666	185	536	131	192	110	60	743
MIN	7.2	7.3	24	14	12	23	22	19	15	11	11	10
CFSM	.32	1.11	1.58	1.81	2.65	2.00	3.45	1.39	1.18	.51	.59	1.64
IN.	.37	1.24	1.82	2.09	2.85	2.31	3.86	1.60	1.32	.59	.68	1.83

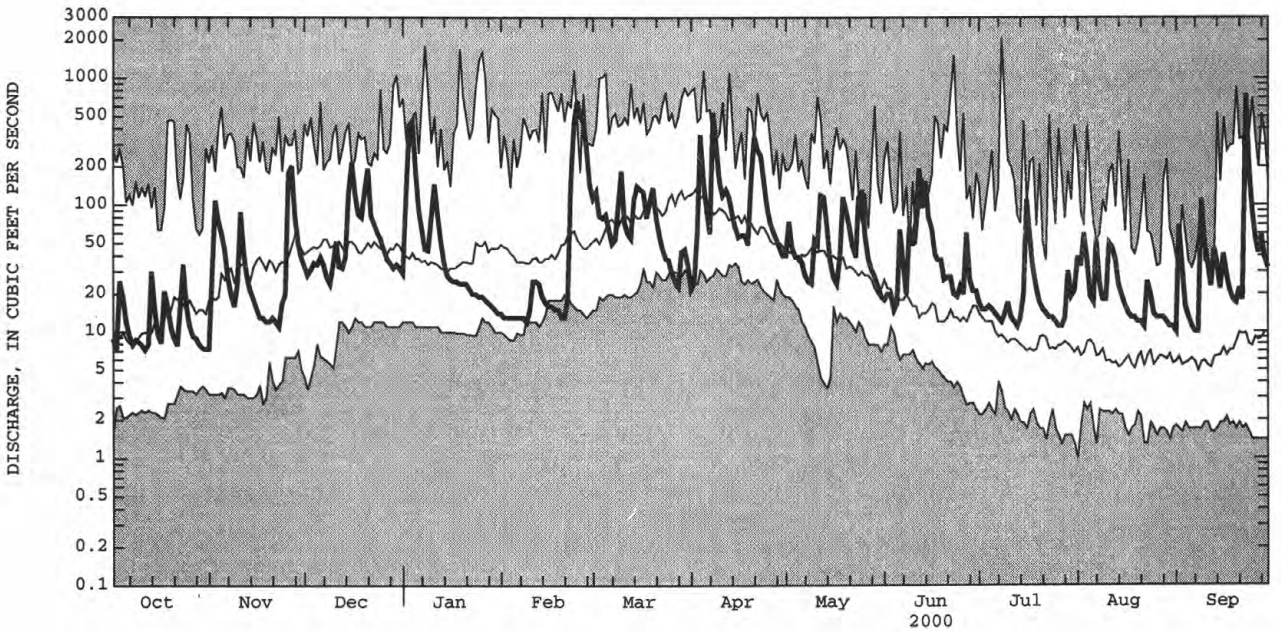
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	24.6	50.6	68.0	69.8	76.5	124	111	51.9	31.1	19.7	13.7	19.4
MAX	76.7	131	130	234	235	228	185	129	165	145	86.8	166
(WY)	1978	1986	1978	1979	1976	1979	1996	1984	1989	1998	1992	1977
MIN	2.76	5.09	17.2	15.1	22.5	49.2	33.2	16.9	6.36	2.52	2.36	1.81
(WY)	1965	1965	1965	1981	1980	1981	1995	1995	1965	1965	1965	1964

e Estimated

04230380 OATKA CREEK AT WARSAW, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1964 - 2000	
ANNUAL TOTAL	16444.0		21596.3			
ANNUAL MEAN	45.1		59.0		55.1	
HIGHEST ANNUAL MEAN					83.3	1998
LOWEST ANNUAL MEAN					29.6	1965
HIGHEST DAILY MEAN	859	Jan 24	743	Sep 23	2050	Jul 8 1998
LOWEST DAILY MEAN	2.1	Jul 30	7.2	Oct 3	1.0	Aug 1 1965
ANNUAL SEVEN-DAY MINIMUM	2.9	Jul 24	8.1	Oct 7	1.4	Jul 26 1965
ANNUAL RUNOFF (CFSM)	1.15		1.51		1.41	
ANNUAL RUNOFF (INCHES)	15.64		20.55		19.16	
10 PERCENT EXCEEDS	110		129		123	
50 PERCENT EXCEEDS	23		29		29	
90 PERCENT EXCEEDS	4.8		12		5.1	



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.

04230500 OATKA CREEK AT GARBUTT, NY

LOCATION.--Lat 43°00'36", long 77°47'30", Monroe County, Hydrologic Unit 04130003, on right bank 40 ft downstream from bridge on Union Street in Garbutt, 1.5 mi west of Scottsville, and 4.2 mi upstream from mouth.
DRAINAGE AREA.--200 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1945 to current year.
REVISED RECORDS.--WSP 2112; WDR NY-82-3: Drainage area. WRD NY 1971: 1960(M). WRD NY 1993: 1991. WRD NY 1997: 1996 (P).
GAGE.--Water-stage recorder. Datum of gage is 560.86 ft above sea level.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Telephone gage-height telemeter and satellite gage-height and precipitation telemeter at station. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,050 ft^3/s, Mar. 31, 1960, gage height, 8.64 ft; minimum discharge, 3.3 ft^3/s, Sep. 11, 12, 1958; minimum gage height, 1.88 ft, June 19, 1959, result of regulation.
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. 26	2145	*2,310	*6.01	No other peak greater than base discharge.			

Minimum discharge, 22 ft^3/s, Oct. 3, gage height, 2.22 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	23	25	56	73	66	605	183	237	127	88	91	51
2	23	30	49	76	66	428	170	244	120	84	118	52
3	22	34	44	119	67	381	170	277	119	82	142	52
4	28	28	42	361	67	339	399	253	121	84	124	79
5	26	44	42	512	67	332	549	228	112	78	144	80
6	25	50	43	588	66	325	584	221	117	76	98	60
7	25	44	43	375	65	308	401	213	149	74	86	56
8	24	39	43	201	63	273	580	211	156	71	180	51
9	24	34	43	156	65	266	1300	205	126	70	139	53
10	25	31	43	148	64	310	1330	207	127	68	94	51
11	24	30	43	171	73	364	784	219	177	67	79	152
12	24	29	43	230	e75	311	528	369	138	65	74	103
13	25	41	53	206	e80	270	504	1220	253	64	95	78
14	33	42	49	e110	84	276	454	856	459	65	101	97
15	28	36	55	102	80	384	379	595	384	66	87	96
16	26	33	89	e140	78	413	330	360	313	66	72	75
17	26	32	212	e110	77	402	297	284	229	68	69	96
18	29	30	182	e98	77	389	290	267	178	117	64	78
19	29	29	105	94	76	342	288	288	151	95	60	65
20	27	29	98	99	74	407	308	400	141	77	55	59
21	27	29	154	e95	74	416	539	400	129	71	54	58
22	27	28	241	e90	74	346	768	333	118	67	52	54
23	27	28	152	e85	e90	300	961	281	115	63	60	86
24	27	29	89	85	e340	267	829	258	105	60	60	275
25	27	28	76	80	e880	245	635	274	99	59	58	467
26	26	37	89	79	1960	226	426	304	94	58	62	554
27	26	42	79	e75	1750	210	347	241	e100	57	56	265
28	27	164	e68	e85	1200	192	310	192	103	56	53	145
29	26	118	67	e74	854	186	284	170	114	55	52	140
30	25	72	68	e68	---	196	260	152	98	55	51	127
31	25	---	69	67	---	203	---	139	---	88	51	---
TOTAL	806	1265	2529	4852	8652	9912	15187	9898	4772	2214	2581	3655
MEAN	26.0	42.2	81.6	157	298	320	506	319	159	71.4	83.3	122
MAX	33	164	241	588	1960	605	1330	1220	459	117	180	554
MIN	22	25	42	67	63	186	170	139	94	55	51	51
CFSM	.13	.21	.41	.78	1.49	1.60	2.53	1.60	.80	.36	.42	.61
IN.	.15	.24	.47	.90	1.61	1.84	2.82	1.84	.89	.41	.48	.68

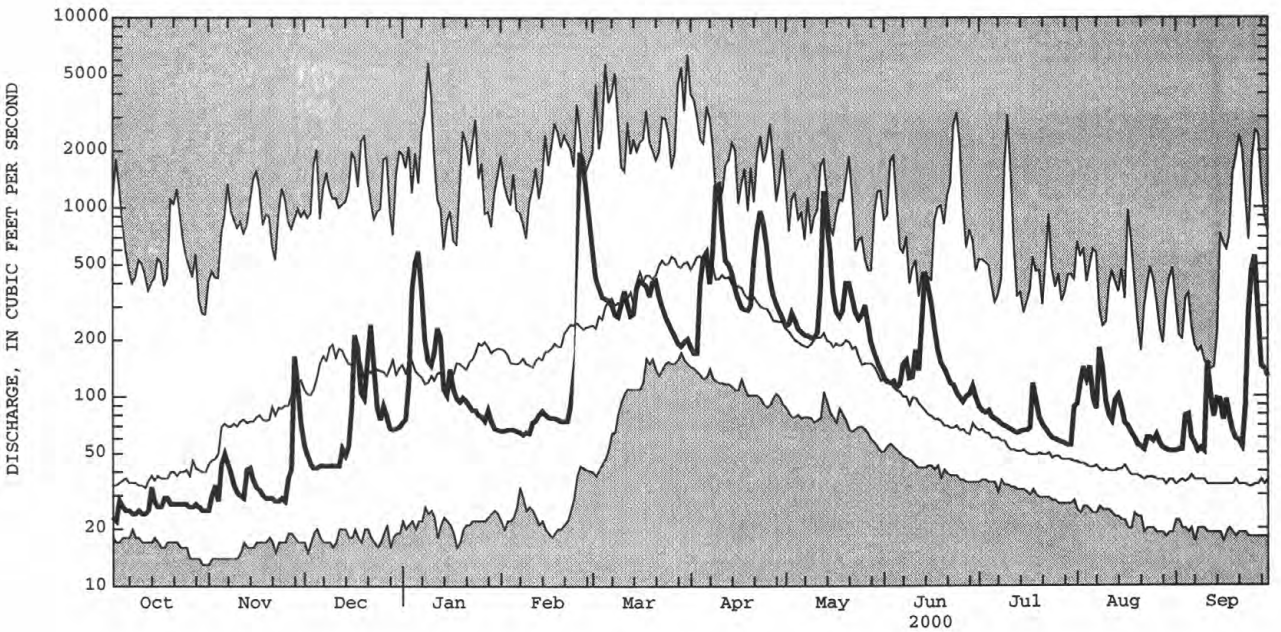
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1946 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	77.1	140	222	240	296	548	501	248	135	77.4	58.3	61.2
MAX	400	567	798	881	868	1048	1069	581	760	355	294	748
(WY)	1978	1986	1978	1998	1976	1956	1947	1984	1989	1998	1992	1977
MIN	18.0	17.2	20.1	22.9	33.4	244	117	99.7	45.6	31.8	22.5	19.2
(WY)	1966	1965	1961	1961	1958	1965	1946	1995	1949	1965	1965	1965

e Estimated

04230500 OATKA CREEK AT GARBUTT, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1946 - 2000	
ANNUAL TOTAL	49829		66323			
ANNUAL MEAN	137		181		216	
HIGHEST ANNUAL MEAN					371	1978
LOWEST ANNUAL MEAN					117	1965
HIGHEST DAILY MEAN	1720	Jan 26	1960	Feb 26	6500	Mar 31 1960
LOWEST DAILY MEAN	22	Sep 5	22	Oct 3	13	Oct 30 1966
ANNUAL SEVEN-DAY MINIMUM	22	Sep 23	24	Oct 6	14	Oct 26 1966
ANNUAL RUNOFF (CFSM)	.68		.91		1.08	
ANNUAL RUNOFF (INCHES)	9.27		12.34		14.70	
10 PERCENT EXCEEDS	376		400		513	
50 PERCENT EXCEEDS	46		90		109	
90 PERCENT EXCEEDS	24		29		30	



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

04230500 OATKA CREEK AT GARBUTT, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1956, 1960, 1961, 1975 to 1977, July 1997 to current year.
CHEMICAL DATA: 1956 (a), 1960-61 (e), 1997-2000 (e)
NUTRIENT DATA: 1956 (a), 1960-61 (e), 1997-2000 (e)
SEDIMENT DATA: 1975-77 (e)
PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1959 to March 1961.
SUSPENDED SEDIMENT DISCHARGE: 1975 to September 1977.
INSTRUMENTATION.--Automatic water sampler since July 1997.
COOPERATION.--Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, N.Y.
EXTREMES FOR PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT CONCENTRATION: Maximum daily mean, 282 mg/L Aug. 17, 1997, minimum daily mean, 0 mg/L Apr. 14, 1975.
SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 2,980 tons Mar. 5, 1976, minimum daily, 0 ton Apr, 14, 1975.

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

DATE	TIME	ENDING TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	TUR-BID-ITY (NTU) (00076)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)
OCT							
04-08	1105	0905	26	.90	466	48	<6
08-12	1000	0900	24	1.6	525	51	--
12-13	1045	2145	24	1.6	532	51	3
13-14	2245	0945	32	2.4	501	50	7
14-18	1125	1025	28	1.7	501	50	<3
18-21	1045	0945	28	1.3	507	50	<3
21-25	1040	0940	27	1.4	504	49	<6
25-28	1100	1000	27	1.8	520	54	<3
OCT 28-							
NOV 01	1025	0925	26	2.4	523	51	<6
01-04	1020	0920	30	2.8	516	50	8
04-08	1015	0915	43	2.0	450	52	4
08-12	1100	1000	32	2.0	404	53	--
12-15	1025	0925	39	1.4	452	52	--
15-18	1000	0900	33	1.2	418	55	<6
18-22	1015	0915	29	2.0	458	54	3
22-24	1045	0845	28	2.1	522	58	--
24-26	0935	0035	28	.85	507	64	4
26-29	0135	0835	88	4.5	385	58	23
NOV 29-							
DEC 02	1025	0925	70	3.3	246	50	5
02-06	1040	0940	44	4.0	386	55	11
06-09	1000	0900	43	3.4	390	54	4
09-13	1005	0905	44	1.8	397	59	<3
13-15	1040	1240	50	3.4	352	56	<3
15-16	1340	0940	63	3.5	374	57	6
16-18	1025	0125	175	8.0	215	63	13
18-20	0225	0925	131	5.4	200	66	9
20-23	1005	0905	178	4.8	173	61	12
23-25	1025	0525	98	3.7	221	59	--
DEC 30-							
JAN 03	1200	1000	74	2.3	282	59	9
03-06	1015	0915	402	23	117	66	47
06-10	1125	0925	278	8.6	140	45	15
10-14	1010	0710	187	3.3	166	56	9
14-18	1020	0920	114	2.8	232	62	9
18-18	1125	1425	98	4.0	250	59	--
20-24	1045	0945	91	2.3	253	54	13
24-27	1015	0915	80	1.8	268	56	7
27-31	1050	0950	75	2.3	292	57	13
JAN 31-							
FEB 03	1050	0950	66	1.6	291	58	5
03-07	1025	0925	66	1.4	283	56	3
07-10	1020	0920	64	1.2	285	57	<3
10-14	1100	1000	75	1.2	247	60	<3
14-18	1045	0845	79	2.9	249	72	3
18-22	0940	0840	75	1.3	266	88	4
22-24	1050	0950	139	3.0	233	72	13
24-25	1025	0125	376	30	95	98	92
28...	1025	--	1230	14	63	43	16
FEB 29-							
MAR 02	0850	1050	632	12	93	44	19
02-06	1110	1010	359	5.5	122	54	9
06-09	1015	0915	291	4.4	148	56	7
09-13	1025	0925	314	6.4	123	58	13
13-14	1120	0420	266	3.0	142	56	8
14-16	0520	1020	353	4.4	129	63	12
16-20	1050	0950	383	4.3	113	59	--
20-23	1025	0925	379	5.0	119	66	11
23-27	1040	0940	249	4.4	154	55	18
27-30	1000	0900	192	4.1	175	63	--

04230500 OATKA CREEK AT GARBUTT, NY--Continued

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

DATE	RESIDUE VOLATILE, SUSPENDED (MG/L) (00535)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)
OCT						
04-08	<6	.63	.01	.15	.015	.007
08-12	--	.60	<.01	.28	.010	.005
12-13	<3	.57	<.01	.41	.015	.007
13-14	<3	.60	<.01	.20	.020	.006
14-18	<3	.56	<.01	.18	.010	.005
18-21	<3	.63	<.01	.13	.010	.005
21-25	<6	.64	.01	.27	.015	.004
25-28	<3	.65	<.01	.19	.010	.005
OCT 28-						
NOV 01	<6	.65	<.01	.12	.015	.006
01-04	<3	.62	.02	.19	.020	.007
04-08	<3	.60	<.01	.42	.018	.006
08-12	--	.69	.01	.25	.025	.006
12-15	--	.70	<.01	.19	.025	.001
15-18	<6	.72	.01	.19	.015	.005
18-22	<3	.71	.01	.20	.020	.004
22-24	--	.68	.01	.23	.015	.004
24-26	<3	.60	<.01	<.10	.015	.005
26-29	6	.68	<.01	.49	.045	.006
NOV 29-						
DEC 02	<3	1.1	.02	<.01	.025	.008
02-06	<6	.98	<.01	.41	.030	.007
06-09	<3	.94	.02	.32	.015	.006
09-13	<3	.97	.02	.26	.015	.007
13-15	<3	.94	<.01	.19	.020	.008
15-16	<6	.94	.02	.32	.025	.010
16-18	--	1.1	.03	.48	.055	.014
18-20	--	1.5	.03	.36	.040	.016
20-23	--	2.3	.03	.40	.040	.018
23-25	--	2.3	.02	.39	.035	.016
DEC 30-						
JAN 03	<6	1.7	.03	.32	.045	.012
03-06	8	2.4	.04	.87	.110	.053
06-10	3	2.3	.05	.48	.065	.024
10-14	<3	2.7	.04	.53	.040	.023
14-18	<3	2.2	.03	.34	.040	.015
18-18	--	2.1	.03	.75	.060	.013
20-24	4	2.2	.04	.42	.040	.014
24-27	<5	2.0	.05	.29	.023	.012
27-31	3	2.1	.04	.35	.035	.010
JAN 31-						
FEB 03	3	2.2	.03	.18	.025	.009
03-07	<3	1.9	.03	.28	.020	.007
07-10	<3	1.8	.02	.22	.015	.007
10-14	<3	1.8	.02	.27	.020	.006
14-18	<3	1.9	.01	.24	.015	.006
18-22	3	1.9	<.01	.19	.015	.004
22-24	4	1.6	<.01	.19	.035	.004
24-25	15	2.8	.09	1.7	.180	.013
28...	<3	3.3	.04	.69	.085	.031
FEB 29-						
MAR 02	4	2.6	.04	.66	.055	.013
02-06	<3	2.9	.03	.44	.035	.014
06-09	<5	2.9	.02	.48	.045	.011
09-13	3	2.4	.03	.37	.035	.011
13-14	<3	2.3	.02	.36	.035	.010
14-16	3	2.6	.02	.44	.110	.009
16-20	--	2.6	.02	.43	.035	.011
20-23	<6	2.6	<.01	.38	.035	.006
23-27	3	2.3	<.01	.38	.035	.005
27-30	--	2.3	<.01	.45	.040	.004

04230500 OATKA CREEK AT GARBUTT, NY--Continued

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

DATE	TIME	ENDING TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	TUR-BID-ITY (NTU) (00076)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)
MAR 30-APR 03	1020	0920	186	4.4	167	56	30
03-06	1110	1010	439	20	115	55	49
06-08	1020	0120	459	8.6	99	48	23
08-10	0220	0920	1050	39	81	47	70
10-13	1010	0910	752	15	86	42	27
13-17	1100	1000	394	4.5	122	57	20
20...	1110	--	264	3.0	151	55	3
24-25	1120	0120	783	7.4	84	43	17
26-27	0220	1020	399	6.3	113	47	16
APR 27-MAY 01	1025	0925	288	2.6	151	52	8
01-04	1000	0900	256	3.4	162	57	<13
04-08	1100	0900	223	3.8	185	49	12
08-11	1005	0905	208	4.4	209	55	17
11-12	1115	1015	248	3.7	196	51	14
13-14	1015	0515	1160	71	79	38	171
14-15	0615	1115	767	39	81	38	84
15-18	1140	0940	346	14	144	46	30
18-20	1015	2115	325	17	143	49	37
20-22	2215	0915	389	15	113	47	38
22-25	1025	0925	278	19	137	48	50
26-30	0945	0845	212	2.6	161	47	--
MAY 30-JUN 01	1050	0950	140	10	205	48	32
01-05	1005	0905	120	8.7	235	51	32
05-08	1015	0915	133	2.5	224	51	5
08-12	1025	0925	144	1.6	189	48	6
12-12	1100	2200	131	2.6	172	46	13
12-14	2300	0700	295	14	112	42	37
14-15	0800	0700	440	28	65	36	57
15-19	1040	0940	250	13	134	45	27
19-22	1020	0920	135	6.4	199	49	--
22-26	1100	0900	106	5.2	253	52	--
26-29	0955	0855	104	5.4	265	53	--
JUN 29-JUL 03	1025	0925	92	1.9	269	53	7
03-06	1005	0905	81	3.6	318	56	8
06-10	1035	0935	72	2.7	312	65	5
13...	1005	--	64	1.0	356	49	<3
13-16	1010	1010	65	1.2	348	52	4
17-20	1105	1005	95	3.6	262	48	10
20-24	1120	1020	68	4.0	326	53	11
24-27	1115	1015	58	3.0	376	54	9
27-31	1035	0935	56	2.3	381	50	--
JUL 31-AUG 02	1125	0725	96	4.3	262	48	14
02-02	0825	1925	128	4.7	252	50	17
02-03	2025	1025	134	7.1	175	47	25
03-07	1130	0930	122	5.6	183	48	18
07-08	1035	0935	129	7.8	249	49	22
08-10	1035	0935	142	9.4	155	47	26
10-14	1025	0925	85	2.8	253	52	6
14-17	1010	0910	82	3.5	245	54	9
17-21	1000	0900	61	3.5	322	51	9
21-24	1045	0945	57	1.6	373	52	<4
24-28	1025	0925	58	1.3	368	54	--
AUG 28-SEP 01	1005	0905	52	1.8	385	53	3
01-05	1010	0910	63	2.6	382	50	6
05-07	1015	0915	63	1.4	275	54	4
07-10	1100	2200	52	1.5	376	55	<6
10-11	2300	1000	128	2.5	407	51	9
11-14	1055	0955	100	29	192	45	<6
14-18	1130	1030	92	1.3	230	44	4
18-20	1045	1645	66	1.4	287	50	5
21-22	1115	2210	56	1.4	340	49	5
23-25	0715	1015	237	16	198	47	33
25-28	1030	0930	400	23	78	30	112
SEP 28-OCT 02	1015	0915	122	4.5	187	47	12

04230500 OATKA CREEK AT GARBUTT, NY--Continued

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

DATE	RESIDUE VOLATILE, SUSPENDED (MG/L) (00535)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)
JAN						
MAR 30-						
APR 03	7	2.1	<.01	.48	.045	.003
03-06	9	1.9	.02	.64	.090	.006
06-08	5	1.8	.02	.44	.055	.009
08-10	10	2.2	.03	.94	.140	.018
10-13	5	2.3	.01	.46	.020	.014
13-17	<6	2.6	.02	.43	.045	.009
20...	<1	2.4	<.01	.35	.015	.006
24-25	3	2.0	<.01	.68	.055	.010
26-27	3	2.0	<.01	.58	.045	.008
APR 27-						
MAY 01	<3	2.2	<.01	.55	.025	.005
01-04	<13	2.0	<.01	.36	.100	.004
04-08	3	1.7	.01	.50	.025	.003
08-11	4	1.9	.01	.57	.050	.003
11-12	3	1.8	.05	.60	.030	.003
13-14	26	1.8	.08	2.5	.300	.021
14-15	14	1.6	.12	1.2	.170	.021
15-18	5	1.7	.02	.68	.080	.015
18-20	7	2.1	.02	.66	.060	.013
20-22	6	2.0	.02	.58	.065	.017
22-25	10	1.9	<.01	.63	.090	.013
26-30	--	1.7	<.01	.51	.055	.010
MAY 30-						
JUN 01	6	1.8	<.01	.57	.055	.007
01-05	6	1.7	<.01	.61	.050	.003
05-08	3	1.9	<.01	.35	.020	.004
08-12	<3	1.7	.01	.31	.030	.006
12-12	<7	1.6	.01	.42	.035	.011
12-14	7	1.4	.03	.64	.090	.020
14-15	11	2.4	.08	1.1	.160	.043
15-19	5	1.8	.02	.64	.085	.033
19-22	--	1.7	<.01	.27	.020	.019
22-26	--	1.6	.01	.33	.045	.009
26-29	--	1.5	<.01	.59	.040	.006
JUN 29-						
JUL 03	<3	1.5	.01	.38	.030	.003
03-06	<3	1.6	.01	.23	.025	.005
06-10	<3	1.5	<.01	.31	.020	.008
13...	<3	1.5	.01	.18	.010	.002
13-16	<3	1.5	.03	.30	.020	.005
17-20	<3	1.3	<.01	.38	.025	.003
20-24	<3	1.4	<.01	.13	.025	.005
24-27	<3	1.4	<.01	.34	.030	.008
27-31	--	1.3	<.01	.14	.040	.009
JUL 31-						
AUG 02	<6	1.2	.01	.32	.040	.008
02-02	<6	1.2	<.01	.41	.045	.008
02-03	<6	1.2	.01	.41	.055	.009
03-07	4	.15	.01	.57	.050	.012
07-08	5	1.3	.01	.44	.055	.017
08-10	5	1.8	<.01	.64	.080	.028
10-14	<3	1.3	.01	.28	.040	.017
14-17	<3	1.2	<.01	.35	.040	.020
17-21	<6	1.1	.01	.41	.025	.011
21-24	<4	1.2	<.01	.23	.010	.006
24-28	--	1.2	.01	.24	.018	.009
AUG 28-						
SEP 01	<3	1.1	<.01	.28	.015	.006
01-05	<3	1.1	.01	.23	.020	.006
05-07	<3	1.2	<.01	.27	.015	.007
07-10	<6	1.3	<.01	.32	.020	.011
10-11	<6	1.2	<.01	.34	.035	.009
11-14	<6	1.2	.01	.36	.030	.008
14-18	--	1.2	<.01	.24	.030	.014
18-20	--	1.0	<.01	.16	.025	.010
21-22	<3	1.0	.01	.24	.015	.010
23-25	7	1.5	.03	.76	.085	.029
25-28	8	1.3	.03	.87	.150	.058
SEP 28-						
OCT 02	4	1.4	.02	.44	.060	.030

04230650 GENESEE RIVER AT BALLANTYNE BRIDGE, NEAR MORTIMER, NY

LOCATION.--Lat 43°05'32", long 77°40'50", Monroe County, Hydrologic Unit 04130003, on right bank 400 ft upstream from Ballantyne Bridge on State Highway 252, 1.6 mi west of Mortimer, and 2.8 mi upstream from Erie (Barge) Canal.
DRAINAGE AREA.--2,210 mi^2.
PERIOD OF RECORD.--October 1973 to current year.
REVISED RECORD.--WDR NY-82-3: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 500.00 ft above sea level.
REMARKS.--River regulated for operation of Erie (Barge) Canal, downstream powerplants, and at high stages by Mount Morris Lake (see station 04224000). Satellite gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 20.57 ft, Jan. 10, 1998; minimum recorded, 8.20 ft, Nov. 9, 1979, but may have been lower as a result of extreme regulation.
EXTREMES FOR CURRENT YEAR.--Maximum gage height, 15.06 ft, Apr. 9; minimum, 9.75 ft, Feb. 5.

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	11.58	11.59	11.71	11.80	9.89	13.02	10.06	11.95	11.74	11.83	11.82	11.85
2	11.69	11.51	11.03	11.05	9.87	13.06	10.00	11.96	11.70	11.81	12.05	11.77
3	11.56	11.62	10.99	10.91	9.88	13.28	10.03	12.00	11.82	11.77	11.98	11.70
4	11.55	11.61	10.91	11.79	9.84	13.29	10.92	11.86	11.96	11.83	11.73	11.77
5	11.54	11.63	10.99	12.41	9.82	13.19	12.11	11.66	11.88	11.79	11.72	11.86
6	11.68	11.63	11.42	12.23	9.91	13.20	11.52	11.68	11.85	11.72	11.72	11.83
7	11.60	11.61	10.96	11.84	9.87	13.05	11.32	11.83	12.01	11.69	11.73	11.66
8	11.57	11.38	11.05	11.23	9.89	13.00	12.04	11.96	11.92	11.66	12.30	11.66
9	11.59	10.82	11.36	11.04	9.87	13.04	14.70	12.15	11.84	11.72	12.02	11.66
10	11.61	11.05	11.00	10.93	9.84	13.05	13.81	11.96	11.87	11.78	11.97	11.81
11	11.64	10.96	10.78	10.80	9.83	12.98	13.04	11.93	11.86	11.72	12.44	11.81
12	11.62	10.88	10.93	10.82	9.92	12.82	13.48	12.54	11.79	11.82	12.38	11.79
13	11.60	11.41	10.97	10.81	9.97	12.60	13.91	14.06	12.50	11.80	12.01	11.78
14	11.66	11.87	10.83	10.48	10.06	12.46	13.91	13.68	12.99	11.75	11.86	11.76
15	11.58	11.53	10.90	10.24	10.05	12.24	13.74	12.92	13.07	11.75	11.76	11.76
16	11.78	11.21	11.72	10.51	10.00	12.05	13.72	12.86	12.67	11.69	11.91	11.79
17	11.58	11.21	11.32	10.34	9.98	11.90	13.82	12.50	12.67	11.66	11.86	11.84
18	11.60	11.32	11.19	10.18	9.99	11.72	13.67	12.09	12.90	11.77	11.82	11.72
19	11.49	11.27	11.24	9.97	10.02	11.36	13.11	12.11	13.15	11.70	11.91	11.65
20	11.65	11.29	11.55	9.97	9.93	11.48	12.78	12.82	13.35	11.66	11.94	11.65
21	11.68	11.20	11.89	10.06	9.90	11.61	13.03	13.01	13.24	11.59	11.87	11.61
22	11.60	10.98	11.59	9.96	9.91	11.22	13.64	12.74	13.16	11.74	11.81	11.61
23	11.53	11.07	11.43	9.92	10.01	11.06	14.24	12.78	13.10	11.69	11.69	11.73
24	11.56	11.16	11.20	9.92	10.92	10.93	13.98	12.91	12.94	11.76	11.75	12.22
25	11.66	11.29	11.14	9.94	13.32	10.68	13.67	13.05	12.51	11.68	11.89	12.22
26	11.73	11.61	11.13	9.94	14.43	10.45	13.78	12.96	12.08	11.67	11.80	11.94
27	11.71	12.24	10.97	9.90	14.14	10.31	13.57	12.72	11.89	11.64	11.69	11.78
28	11.78	12.50	11.04	9.84	13.06	10.20	13.02	12.60	11.95	11.56	11.69	11.63
29	11.75	11.95	11.18	9.81	13.12	10.10	12.68	12.48	11.71	11.60	11.74	11.69
30	11.71	11.83	11.73	9.88	---	10.20	12.20	12.20	11.82	11.57	11.74	11.85
31	11.68	---	11.84	9.88	---	10.19	---	11.76	---	11.71	11.75	---
MEAN	11.63	11.44	11.23	10.59	10.59	11.93	12.85	12.44	12.33	11.71	11.88	11.78
MAX	11.78	12.50	11.89	12.41	14.43	13.29	14.70	14.06	13.35	11.83	12.44	12.22
MIN	11.49	10.82	10.78	9.81	9.82	10.10	10.00	11.66	11.70	11.56	11.69	11.61

CAL YR 1999 MEAN 11.87 MAX 15.56 MIN 10.43
WTR YR 2000 MEAN 11.70 MAX 14.70 MIN 9.81

04231000 BLACK CREEK AT CHURCHVILLE, NY

LOCATION.--Lat 43°06'02", long 77°52'57", Monroe County, Hydrologic Unit 04130003, on right bank at east end of Carrol Street in Churchville, 100 ft downstream from mainline tracks of Penn Central Transportation Co., and 0.3 mi downstream from Black Creek Dam.
DRAINAGE AREA.--130 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1945 to current year.
REVISED RECORDS.--WDR NY-82-3: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 551.88 ft above sea level.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Prior to May 1952, small diversion by Penn Central Transportation Co. and slight regulation by pumping operations upstream from station. Telephone gage-height telemeter and satellite gage-height and precipitation telemeter at station. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,880 ft^3/s, Mar. 31, 1960, gage height, 9.44 ft; minimum discharge, 0.22 ft^3/s, Aug. 19, 1970; minimum gage height, 0.93 ft, Aug. 5, 6, 7, Sep. 15, 1959.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb. 26	2230	1,300	5.69	May 14	1130	*1,480	*6.14
Apr. 9	2200	1,250	5.57				

Minimum discharge, 5.9 ft^3/s, Oct. 1, gage height, 1.28 ft.
REVISIONS.--The peak discharges and annual maximum (*) reported for water years 1998 and 1999 have been revised as shown in the following table. These figures supercede those published in the reports for 1998 and 1999.

Water Year	Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Water Year	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
1998	Mar. 28, 1998	0230	1,070	5.10	1999	Jan. 25, 1999	2200	*1,470	*6.12
						Mar. 20, 1999	0200	1,000	4.92

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	7.9	11	27	27	32	293	86	106	57	63	82	13
2	7.9	15	23	30	33	217	82	115	56	46	73	11
3	6.7	35	23	53	33	190	92	126	55	39	64	11
4	10	49	24	149	34	183	211	117	50	43	71	12
5	12	36	24	244	35	184	380	112	45	42	60	12
6	11	27	24	265	34	176	427	111	54	35	42	9.6
7	8.7	22	22	141	34	154	233	107	63	31	42	8.2
8	7.7	19	20	88	e32	134	475	99	56	27	47	7.7
9	7.7	19	18	78	32	126	1040	93	50	26	49	7.7
10	7.1	17	21	81	36	161	1080	114	51	28	41	9.4
11	7.9	18	24	93	40	206	604	146	55	26	115	26
12	7.4	19	25	105	42	182	377	200	66	22	66	42
13	9.9	18	23	95	42	153	334	893	94	18	49	45
14	21	18	25	53	43	165	296	1370	224	22	39	39
15	29	16	37	e62	40	214	224	951	321	56	34	55
16	22	16	83	e58	40	277	177	472	233	81	80	65
17	18	14	116	e50	42	288	147	239	160	229	64	51
18	21	14	82	41	45	273	132	184	131	239	41	37
19	23	14	42	35	45	238	126	246	102	199	33	31
20	21	14	44	33	44	234	136	299	82	86	29	23
21	17	14	40	33	44	256	329	251	73	55	24	21
22	16	14	37	32	46	208	617	198	79	45	21	19
23	14	14	34	31	65	159	668	155	71	37	30	63
24	14	15	28	31	174	135	588	151	57	30	42	144
25	13	14	27	32	559	122	407	153	67	26	34	161
26	13	24	24	32	1110	111	249	133	108	24	29	98
27	12	46	24	e30	1080	99	180	106	90	21	24	63
28	11	48	23	e30	737	94	150	86	73	17	21	49
29	12	40	23	e29	495	94	132	73	65	16	18	43
30	12	33	23	e28	---	98	117	65	76	16	16	39
31	12	---	26	e29	---	94	---	61	---	34	15	---
TOTAL	412.9	673	1036	2118	5068	5518	10096	7532	2764	1679	1395	1215.6
MEAN	13.3	22.4	33.4	68.3	175	178	337	243	92.1	54.2	45.0	40.5
MAX	29	49	116	265	1110	293	1080	1370	321	239	115	161
MIN	6.7	11	18	27	32	94	82	61	45	16	15	7.7
CFSM	.10	.17	.26	.53	1.34	1.37	2.59	1.87	.71	.42	.35	.31
IN.	.12	.19	.30	.61	1.45	1.58	2.89	2.16	.79	.48	.40	.35

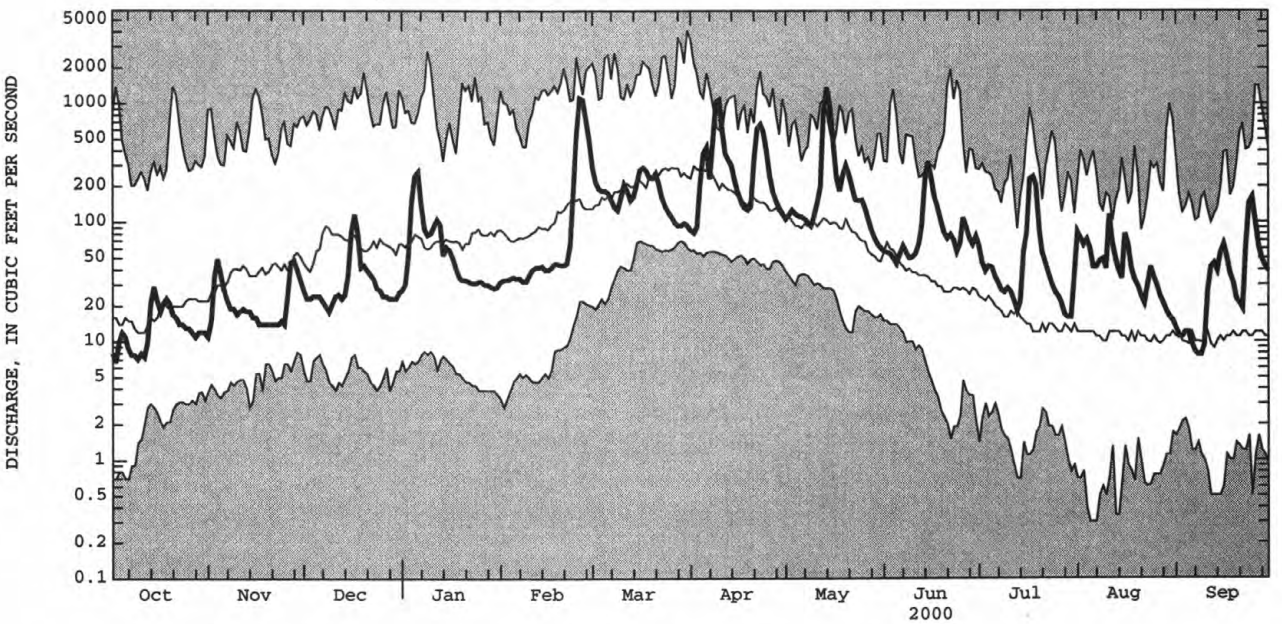
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1946 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	40.9	77.4	124	132	185	329	253	126	63.7	27.4	22.2	25.9
MAX	235	405	497	484	460	664	497	325	348	143	201	284
(WY)	1946	1971	1978	1998	1981	1971	1947	1956	1989	1992	1992	1977
MIN	2.61	6.07	5.68	6.15	15.4	122	51.6	38.1	10.7	3.75	2.55	1.66
(WY)	1964	1965	1961	1961	1958	1989	1946	1949	1949	1965	1965	1959

e Estimated

04231000 BLACK CREEK AT CHURCHVILLE, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1946 - 2000	
ANNUAL TOTAL	26820.3		39507.5			
ANNUAL MEAN	73.5		108		117	
HIGHEST ANNUAL MEAN					207	1978
LOWEST ANNUAL MEAN					52.3	1953
HIGHEST DAILY MEAN	1150	Jan 26	1370	May 14	4120	Mar 31 1960
LOWEST DAILY MEAN	1.3	Jul 31	6.7	Oct 3	.30	Aug 5 1959
ANNUAL SEVEN-DAY MINIMUM	1.9	Jul 29	8.1	Oct 7	.47	Aug 3 1959
ANNUAL RUNOFF (CFSM)	.57		.83		.90	
ANNUAL RUNOFF (INCHES)	7.67		11.31		12.21	
10 PERCENT EXCEEDS	187		239		290	
50 PERCENT EXCEEDS	21		45		48	
90 PERCENT EXCEEDS	4.8		14		6.9	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.

SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04231000 BLACK CREEK AT CHURCHVILLE, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1961-62, 1975 to 1977, 1997 to current year.
CHEMICAL DATA: 1961-62, 1999-2000 (e)
NUTRIENT DATA: 1961-62, 1999-2000 (e)
SEDIMENT DATA: 1975-77 (e)
PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1961 to September 1962.
INSTRUMENTATION.--Automatic water sampler since April 1998.
COOPERATION.--Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, N.Y.

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

DATE	TIME	ENDING TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	TUR-BID-ITY (NTU) (00076)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)
OCT							
04-08	1135	0935	10	2.2	569	62	--
08-12	1035	0935	7.5	1.8	658	65	--
12-13	1115	1215	7.9	2.7	663	67	--
13-14	1315	1015	16	5.3	660	64	--
14-15	1205	1105	26	4.5	657	65	--
15-18	1205	1105	22	4.5	645	67	--
18-21	1120	1020	21	3.3	597	63	--
21-25	1105	1005	14	3.0	570	61	--
25-28	1125	1025	12	3.3	525	62	--
OCT 28-							
NOV 01	1135	1035	12	2.6	515	65	--
01-02	1050	0050	11	3.6	516	67	--
03-04	0750	0950	46	7.9	503	68	--
04-08	1045	0945	30	5.0	477	67	--
08-12	1125	1025	18	4.5	391	64	--
12-15	1100	0100	18	3.3	436	67	--
16-18	1335	0935	14	3.4	482	72	--
18-22	1045	0945	14	3.5	487	72	--
22-24	1115	0945	14	2.0	473	68	3
24-25	1005	2005	14	3.7	498	76	--
25-28	2105	0805	36	5.5	486	76	--
28-29	0905	0905	45	4.2	488	70	--
NOV 29-							
DEC 02	1100	1000	31	4.4	409	65	--
02-06	1115	1015	24	3.7	373	69	--
06-09	1025	0925	21	4.8	385	68	--
09-13	1035	0935	23	3.0	396	68	--
13-13	1110	2210	23	3.1	415	71	--
16...	1045	--	80	6.5	381	67	--
16-17	1050	1750	109	5.0	348	65	--
17-20	1850	0950	64	7.4	269	66	--
20-23	1035	0935	38	5.2	266	71	--
23-24	1100	0600	31	3.1	274	69	--
JAN							
02-03	1345	1045	36	2.5	338	72	--
03-06	1045	0945	185	7.2	235	59	--
06-10	1155	0955	118	6.1	191	55	--
10-14	1045	0145	94	3.5	230	58	--
14-17	1105	1405	57	4.1	225	60	--
18-20	1220	1020	36	2.9	270	71	--
20-24	1120	1020	32	4.4	318	76	--
24-27	1050	0950	32	1.5	313	71	--
27-31	1120	1020	29	1.6	309	73	--
JAN 31-							
FEB 03	1125	1025	31	1.5	298	76	--
03-07	1100	1000	34	1.3	303	68	--
07-10	1055	0955	33	1.5	308	67	--
10-14	1125	1025	41	1.4	307	72	--
14-18	1125	0925	42	2.0	283	87	--
18-22	1010	0910	45	1.7	244	83	--
22-24	1120	1020	70	2.7	257	90	--
24-27	1110	0210	727	21	117	55	--
27-28	0310	1010	973	17	92	42	--
FEB 28-							
MAR 02	1100	1000	422	5.6	118	48	--
02-06	1145	0945	188	2.7	139	56	--
06-09	1050	0950	146	6.0	155	63	--
09-13	1105	1005	172	5.2	157	67	--
13-16	1155	1055	195	3.0	148	60	--
16-17	1125	0625	289	4.6	137	60	--
17-20	0725	1025	259	3.5	135	61	--
20-23	1100	1000	224	4.5	132	62	--
23-27	1110	1010	124	4.6	163	63	--
27-30	1035	0935	95	3.8	184	65	--

04231000 BLACK CREEK AT CHURCHVILLE, NY--Continued

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

DATE	RESIDUE VOLATILE, SUSPENDED (MG/L) (00535)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)
OCT						
04-08	--	.32	.09	.78	.035	.006
08-12	--	.37	.07	.56	.030	.007
12-13	--	.30	.06	.51	.050	.004
13-14	--	.28	.03	.57	.060	.005
14-15	--	.29	.12	.82	.045	.004
15-18	--	.35	.06	.58	.070	.004
18-21	--	.48	.11	.62	.050	.011
21-25	--	.68	.12	.70	.050	.015
25-28	--	.56	.09	.64	.045	.013
OCT 28-						
NOV 01	--	.57	.06	.57	.040	.011
01-02	--	.52	.05	.42	.050	.007
03-04	--	.46	.09	.51	.065	.011
04-08	--	.83	.04	.90	.050	.017
08-12	--	1.1	.08	.65	.060	.018
12-15	--	.91	.08	.52	.055	.014
16-18	--	.75	.08	.65	.045	.017
18-22	--	.66	.07	.72	.050	.014
22-24	<3	.60	.04	.57	.035	.015
24-25	--	.60	.06	.68	.045	.014
25-28	--	.57	.07	.74	.050	.013
28-29	--	.47	.02	.78	.045	.013
NOV 29-						
DEC 02	--	.75	.04	N	.040	.013
02-06	--	.82	.03	.77	.040	.015
06-09	--	.86	.05	.92	.040	.013
09-13	--	.87	.04	.69	.030	.013
13-13	--	.85	.03	.57	.035	.013
16...	--	.93	.03	.63	.040	.019
16-17	--	.98	.01	.47	.040	.014
17-20	--	2.0	.01	.78	.050	.019
20-23	--	2.1	.02	.65	.040	.017
23-24	--	1.9	<.01	.62	.040	.014
JAN						
02-03	--	2.1	.03	.57	.020	.015
03-06	--	1.9	.01	.76	.065	.022
06-10	--	3.0	.01	.68	.060	.022
10-14	--	2.3	.03	.83	.030	.014
14-17	--	2.5	.01	.54	.040	.015
18-20	--	2.7	.02	.57	.050	.014
20-24	--	3.0	.02	.97	.045	.015
24-27	--	2.6	.03	.51	.030	.018
27-31	--	2.5	.04	.42	.030	.020
JAN 31-						
FEB 03	--	2.2	.04	.33	.035	.022
03-07	--	2.2	.04	.36	.035	.022
07-10	--	2.0	.03	.47	.040	.022
10-14	--	1.9	.02	.51	.035	.020
14-18	--	1.8	.02	.46	.030	.017
18-22	--	1.9	.03	.55	.030	.018
22-24	--	1.8	.03	.56	.035	.018
24-27	--	2.6	.06	1.1	.110	.026
27-28	--	3.4	.02	.99	.090	.022
FEB 28-						
MAR 02	--	2.7	.02	.80	.080	.016
02-06	--	2.6	.01	.53	.040	.013
06-09	--	2.4	<.01	.74	.075	.010
09-13	--	1.8	.01	.53	.035	.009
13-16	--	2.0	.01	.57	.030	.008
16-17	--	2.0	<.01	.62	.035	.008
17-20	--	2.3	<.01	.59	.030	.007
20-23	--	2.2	<.01	.57	.030	.005
23-27	--	2.0	<.01	.56	.035	.005
27-30	--	1.9	<.01	.56	.030	.006

N presumptive evidence of presence of material.

04231000 BLACK CREEK AT CHURCHVILLE, NY--Continued

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

DATE	TIME	ENDING TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	TUR-BID-ITY (NTU) (00076)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)
MAR 30-							
APR 03	1050	0950	89	2.9	192	64	--
03-06	1140	1040	290	11	164	58	--
06-07	1055	2155	290	9.6	123	54	--
07-10	2255	0955	821	34	94	42	30
10-13	1045	0945	563	15	92	43	--
13-17	1125	1025	236	4.1	118	58	--
17-20	1210	1110	130	3.8	152	57	--
20-23	1140	0240	419	12	127	48	--
23-24	0340	1040	652	13	94	44	--
24-27	1150	0950	349	7.2	108	49	--
APR 27-							
MAY 01	1050	0950	136	4.6	140	53	--
01-04	1035	0935	117	5.1	175	61	--
04-08	1125	1025	110	4.4	195	55	--
08-10	1040	1540	98	12	209	57	--
11-12	1150	0650	142	19	206	54	--
12-14	0750	1450	825	180	101	28	391
14-15	1550	1050	1230	130	68	25	260
15-18	1210	1010	406	38	99	35	75
18-20	1050	0950	241	15	118	43	--
20-22	1050	0950	256	9.0	121	44	--
22-26	1100	1000	156	4.5	142	49	--
26-30	1015	0915	92	3.0	161	50	--
MAY 30-							
JUN 01	1120	1020	61	4.2	196	52	--
01-05	1040	0940	53	5.1	206	53	--
05-08	1050	0950	55	5.4	249	58	--
08-12	1100	1000	53	2.5	255	55	--
12-13	1125	0725	67	5.1	262	55	--
13-15	0825	1025	210	8.3	181	47	--
15-19	1110	1010	187	5.9	136	45	--
19-22	1050	0950	81	6.1	171	57	--
22-25	1125	2225	75	4.1	197	56	--
JUN 29-							
JUL 03	1050	0950	60	4.4	199	56	--
03-06	1025	0925	41	4.0	224	57	--
13...	1035	--	19	2.1	292	61	--
13-14	1045	1345	17	3.0	300	61	--
14-17	1445	0945	83	3.2	287	55	--
17-20	1140	1040	205	17	152	27	--
20-24	1200	1100	47	4.6	196	39	--
24-27	1145	1045	25	3.0	239	49	--
27-31	1100	1000	17	2.6	293	56	--
JUL 31-							
AUG 01	1220	1720	70	5.2	277	55	--
01-03	1820	1120	71	5.8	205	44	--
03-07	1225	1025	57	4.0	196	46	--
07-10	1100	1000	46	6.0	219	51	--
10-11	1100	0600	40	4.6	251	56	--
11-11	0700	1800	161	25	194	46	--
11-14	1900	1000	59	13	139	39	--
14-17	1045	0945	55	12	168	47	--
17-21	1025	0925	37	5.1	177	46	--
21-24	1120	1020	28	3.9	206	51	--
24-28	1055	0955	30	2.8	271	58	--
28-29	1035	1435	20	4.8	230	53	--
SEP							
01...	1035	--	13	1.8	286	61	--
05-07	1110	1010	10	3.2	264	59	--
07-11	1125	1025	9.4	2.6	309	63	--
11-14	1125	1025	41	3.4	375	63	--
14-17	1210	1110	56	4.6	304	55	--
18-21	1115	1015	28	3.2	234	62	--
21-22	1145	2245	19	2.1	230	65	--
22-25	2345	1045	115	7.0	214	57	--
25-28	1100	1000	90	5.5	167	49	--
SEP 28-							
OCT 02	1045	0945	39	2.8	202	57	--

04231000 BLACK CREEK AT CHURCHVILLE, NY--Continued

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

DATE	RESIDUE VOLATILE, SUSPENDED (MG/L) (00535)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)
MAR 30-APR 03	--	1.9	.01	.48	.025	.006
03-06	--	1.5	<.01	.64	.050	.007
06-07	--	1.7	.01	.65	.050	.009
07-10	7	1.6	.02	.88	.110	.011
10-13	--	2.0	<.01	.67	.055	.010
13-17	--	2.1	.02	.58	.025	.007
17-20	--	2.1	.01	.46	.030	.007
20-23	--	1.6	.02	.77	.055	.008
23-24	--	1.6	<.01	.79	.065	.008
24-27	--	1.9	.02	.99	.045	.006
APR 27-MAY 01	--	1.8	.01	.74	.035	.006
01-04	--	1.7	.01	.86	.100	.006
04-08	--	1.4	.04	.87	.045	.005
08-10	--	1.3	.05	1.3	.110	.006
11-12	--	1.4	.05	1.5	.130	.022
12-14	60	.91	.08	4.7	.810	.029
14-15	43	.96	.03	3.8	.550	.027
15-18	14	1.3	.02	1.3	.110	.029
18-20	--	1.5	.04	.78	.090	.023
20-22	--	1.7	.02	.71	.070	.023
22-26	--	1.8	<.01	.66	.050	.019
26-30	--	1.5	<.01	.96	.080	.017
MAY 30-JUN 01	--	1.5	.02	.70	.050	.011
01-05	--	1.4	.02	.72	.050	.011
05-08	--	1.6	.03	.70	.070	.013
08-12	--	1.4	<.01	.56	.045	.012
12-13	--	1.2	.05	.64	.055	.017
13-15	--	1.1	.04	.76	.075	.025
15-19	--	1.3	.02	.65	.080	.036
19-22	--	1.4	.02	.68	.080	.032
22-25	--	1.2	.02	.64	.065	.022
JUN 29-JUL 03	--	1.1	.03	.68	.070	.023
03-06	--	1.2	.03	.80	.055	.020
13...	--	1.0	.01	.80	.040	.002
13-14	--	1.1	.10	1.0	.110	.021
14-17	--	1.1	.06	.72	.060	.012
17-20	--	.73	.03	.69	.090	.032
20-24	--	.90	.02	.60	.065	.026
24-27	--	.97	.01	.60	.050	.020
27-31	--	.86	.05	.65	.060	.012
JUL 31-AUG 01	--	1.0	.09	.74	.065	.017
01-03	--	.81	.05	.66	.075	.028
03-07	--	.76	.04	.64	.070	.028
07-10	--	.95	.02	.67	.080	.026
10-11	--	.90	.02	.65	.070	.026
11-11	--	.93	.03	.73	.110	.032
11-14	--	.86	.03	.73	.100	.034
14-17	--	.99	.02	.78	.085	.030
17-21	--	.78	.02	.77	.060	.024
21-24	--	.84	<.01	.86	.055	.020
24-28	--	.98	.02	.64	.045	.017
28-29	--	.77	.04	.61	.050	.014
SEP 01...	--	.69	<.01	.56	.035	.006
05-07	--	.73	.04	.68	.065	.016
07-11	--	.78	.03	.70	.055	.011
11-14	--	.92	.04	.56	.050	.010
14-17	--	.77	.03	.54	--	.018
18-21	--	.58	.02	.58	.055	.016
21-22	--	.54	.02	.70	.040	.013
22-25	--	.62	.02	.87	.055	.021
25-28	--	1.3	.04	.76	.090	.038
SEP 28-OCT 02	--	1.4	.02	.64	.055	.025

04232000 GENESEE RIVER AT ROCHESTER, NY

LOCATION.--Lat 43°10'50", long 77°37'40", Monroe County, Hydrologic Unit 04130003, on right bank 40 ft downstream from Rochester Gas and Electric Corporation plant, 5,100 ft upstream from bridge on Driving Park Avenue in Rochester, and 6.4 mi upstream from mouth.
DRAINAGE AREA.--2,467 mi^2.
PERIOD OF RECORD.--April 1904 to September 1918, December 1919 to current year. Published as "at Driving Park Avenue," 1919-68.
REVISED RECORDS.--WSP 1912; WDR NY-82-3: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 244.24 ft (revised) above sea level (245.00 ft, Barge Canal datum). April 1904 to December 1910, nonrecording gage and December 1910 to September 1918, water-stage recorder at site 5 mi upstream at datum 506.85 ft, Barge Canal datum. December 1919 to Apr. 4, 1927, water-stage recorder in plant 5, and Apr. 4, 1927 to June 19, 1956, at present site at datum 5.76 ft higher than present datum. June 20, 1956 to Sep. 30, 1969, at present site at datum 2.76 ft higher than present datum. Oct. 1, 1969 to Sep. 30, 1985, at present site at datum 2.00 ft higher than present datum.
REMARKS.--Records fair except those for estimated daily discharges, which are poor. Extensive diurnal fluctuation caused by powerplants upstream from station. New York State Erie (Barge) Canal crosses river 5.4 mi upstream from station. Water diverted by the canal from Lake Erie is discharged into river from the west, the canal again diverting a smaller amount of water from river to the east. Additional regulation is provided by Rushford Lake, Mount Morris Lake (see station 04224000), and Conesus Lake (see station 04227980).
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 48,300 ft^3/s, Mar. 30, 1916, gage height 15.3 ft, site and datum then in use; maximum at present site, 34,400 ft^3/s, Mar. 19, 1942; maximum gage height, 17.08 ft, Apr. 2, 1940, datum then in use; minimum discharge, less than 10 ft^3/s, occurred during low-water periods in some years when power plant was shut down.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge on Mar. 18, 1865, was about 54,000 ft^3/s.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 11,800 ft^3/s, Apr. 9, gage height, 11.37 ft, result of regulation; minimum daily, 321 ft^3/s, Nov. 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	507	910	2690	1130	886	8290	2070	2750	2040	e1500	e860	e520
2	1140	517	1810	1240	917	7880	1870	2720	1860	e1300	2000	e560
3	813	870	1240	1250	892	8230	1870	2830	1740	e1200	2270	e540
4	640	1080	1120	3020	869	8140	3620	2560	1990	e1240	1600	e550
5	512	1200	1150	5620	866	8180	6150	1730	1830	e1140	e1300	e650
6	640	1020	1460	5800	881	8110	5080	1430	1790	e1150	e1020	e660
7	566	957	1480	5160	864	8060	4650	1350	2070	e1050	e1150	573
8	473	905	1250	4240	826	8090	6040	1550	2300	e960	3750	484
9	427	622	1230	4010	820	8190	11000	3060	1780	e870	3690	544
10	405	525	1240	3790	815	8040	9160	3480	1730	e950	2260	731
11	416	636	1100	3650	905	7870	7780	2670	2030	e900	4990	1410
12	429	424	1170	3580	975	7810	8500	4270	1750	e850	4490	789
13	440	486	1290	3530	1060	7210	9180	10400	4090	e820	3240	758
14	814	540	1150	2840	1290	6670	9070	9000	6740	e780	2150	827
15	730	713	1440	1470	1330	6060	8610	6480	6920	e940	1670	970
16	1440	556	2710	1580	1260	5660	8030	5720	5960	e1130	1580	932
17	1010	380	3460	1370	1220	5330	7830	5180	5600	e1090	1380	1060
18	866	421	3000	1190	1210	5130	7540	3820	5820	e1200	e1070	924
19	749	421	3090	1010	1130	4690	6070	2980	6610	e1210	e790	669
20	852	417	3230	1020	1110	4880	4960	5220	7350	e1030	e820	704
21	993	416	3730	1250	1040	5100	5390	6380	7360	e860	e820	681
22	928	436	3930	1190	1060	4350	7580	5660	6860	e790	e850	647
23	871	360	3400	1020	1370	3950	8980	5460	6570	e800	e820	950
24	755	321	2190	1000	3140	3670	8290	5780	5980	e760	e740	2790
25	679	363	953	1090	7760	3140	6540	6500	4680	e800	e800	3600
26	765	388	988	1120	10600	2830	6740	6490	3090	e650	e840	2530
27	770	1100	918	1000	10200	2570	7190	5460	2230	e650	e790	1520
28	858	3380	939	972	8320	2330	5930	4850	2340	e650	e620	1170
29	943	3660	792	835	8300	2130	4810	4120	2070	e600	e620	762
30	949	2960	821	826	---	2140	3740	3600	1660	e620	e550	783
31	936	---	997	837	---	2230	---	2250	---	e650	e500	---
TOTAL	23316	26984	55968	67640	71916	176960	194270	135750	114840	29140	50030	30288
MEAN	752	899	1805	2182	2480	5708	6476	4379	3828	940	1614	1010
MAX	1440	3660	3930	5800	10600	8290	11000	10400	7360	1500	4990	3600
MIN	405	321	792	826	815	2130	1870	1350	1660	600	500	484

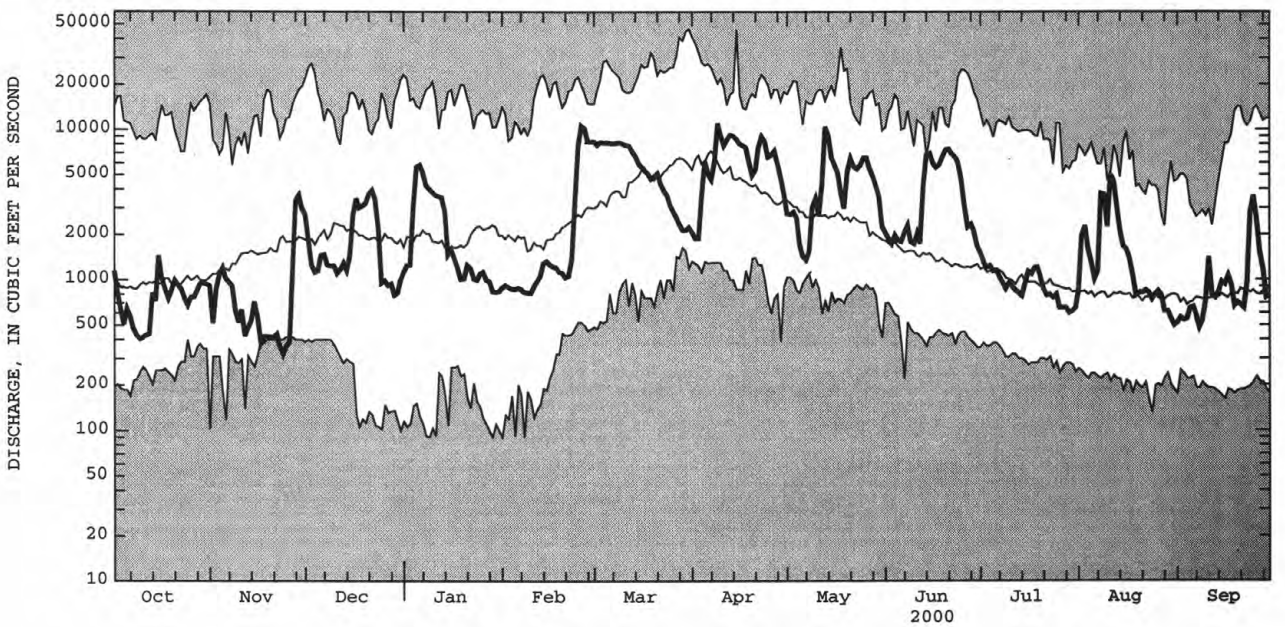
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1904 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1458	2142	2763	2890	3216	6207	5974	3536	2074	1315	974	1000
MAX	7095	7383	9973	8830	9157	14300	14160	10230	7311	8524	3927	6722
(WY)	1978	1928	1928	1913	1925	1945	1940	1943	1972	1972	1992	1977
MIN	338	436	502	152	560	2213	1561	1140	479	350	229	199
(WY)	1914	1910	1910	1961	1920	1937	1946	1915	1915	1913	1913	1913

e Estimated

04232000 GENESEE RIVER AT ROCHESTER, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1904 - 2000	
ANNUAL TOTAL	652583		977102			
ANNUAL MEAN	1788		2670		2813	
HIGHEST ANNUAL MEAN					4426	1978
LOWEST ANNUAL MEAN					1663	1999
HIGHEST DAILY MEAN	9450	Jan 25	11000	Apr 9	46300	Mar 31 1916
LOWEST DAILY MEAN	276	Aug 19	321	Nov 24	91	Jan 9 1961
ANNUAL SEVEN-DAY MINIMUM	349	Sep 1	386	Nov 20	104	Jan 26 1961
10 PERCENT EXCEEDS	4830		7000		6810	
50 PERCENT EXCEEDS	866		1300		1570	
90 PERCENT EXCEEDS	376		620		576	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.

SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04232034 IRONDEQUOIT CREEK AT RAILROAD MILLS NEAR FISHERS, NY

LOCATION.--Lat 43°01'40", long 77°28'42", Ontario County, Hydrologic Unit 04140101, on right bank 90 ft upstream from bridge on Railroad Mills Road, 1.5 mi northwest of Fishers, and 4.0 mi southwest of Fairport.
DRAINAGE AREA.--39.2 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1991 to current year.
GAGE.--Water-stage recorder. Elevation of gage is 450 ft above sea level, from topographic map.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Unpublished water-quality records for prior years are available in files of Monroe County Department of Health. Several measurements of water temperature were made during the year.
COOPERATION.--Discharge measurements were provided by the Monroe County Environmental Health Laboratory at Rochester, N.Y.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 1,000 ft^3/s, Jan. 8, 1998, gage height 10.40 ft; minimum discharge, 6.8 ft^3/s, Aug. 21, 1995.
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)
Feb. 25	0530	326	7.42	May 13	1845	*471	*8.43
Apr. 9	0600	355	7.65				

Minimum discharge, 12 ft^3/s, Oct. 3, 4, July 26, 27.

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	14	22	20	20	52	27	30	33	21	48	15
2	14	15	21	21	20	50	29	49	29	19	28	15
3	12	20	24	33	e20	50	49	41	24	20	36	16
4	24	19	27	104	20	53	223	31	22	24	37	17
5	20	17	24	81	20	56	100	30	22	20	21	16
6	16	16	24	36	20	41	64	29	43	19	18	16
7	14	15	27	31	e18	36	50	26	32	18	28	15
8	14	15	26	26	e22	33	132	24	27	17	24	15
9	13	15	22	26	e20	33	229	25	24	17	19	16
10	13	16	24	35	22	49	80	30	23	19	18	16
11	13	19	27	46	24	38	63	33	27	17	17	17
12	13	17	22	34	e22	38	71	66	31	16	20	25
13	13	16	24	28	e22	40	72	383	109	15	20	28
14	35	16	27	e24	21	65	50	184	196	15	18	21
15	24	16	62	e24	21	73	41	e62	68	18	17	28
16	18	15	87	e22	21	60	37	57	64	20	28	24
17	16	15	49	e22	22	75	35	43	36	18	20	20
18	24	15	33	e21	21	61	43	56	31	16	18	17
19	21	15	e24	e21	22	59	37	63	31	16	18	16
20	18	15	27	e20	21	73	47	54	33	15	17	16
21	16	16	31	e20	21	49	185	46	35	15	17	17
22	16	16	26	e18	24	42	122	39	35	15	16	16
23	15	16	24	e18	63	38	111	47	26	14	37	68
24	15	16	e22	e18	210	34	73	89	23	14	28	57
25	15	15	e20	e20	258	32	59	83	22	14	20	31
26	15	48	20	e19	141	30	45	46	22	13	18	21
27	14	51	20	e18	98	27	46	35	34	13	17	18
28	14	28	e22	e18	131	29	39	30	24	19	17	18
29	14	24	20	e18	68	31	34	29	21	22	16	17
30	14	24	20	e18	---	31	31	27	26	17	16	16
31	15	---	21	e20	---	29	---	35	---	17	15	---
TOTAL	514	575	869	880	1433	1407	2224	1822	1173	533	687	648
MEAN	16.6	19.2	28.0	28.4	49.4	45.4	74.1	58.8	39.1	17.2	22.2	21.6
MAX	35	51	87	104	258	75	229	383	196	24	48	68
MIN	12	14	20	18	18	27	27	24	21	13	15	15
CFSM	.42	.49	.72	.72	1.26	1.16	1.89	1.50	1.00	.44	.57	.55
IN.	.49	.55	.82	.84	1.36	1.34	2.11	1.73	1.11	.51	.65	.61

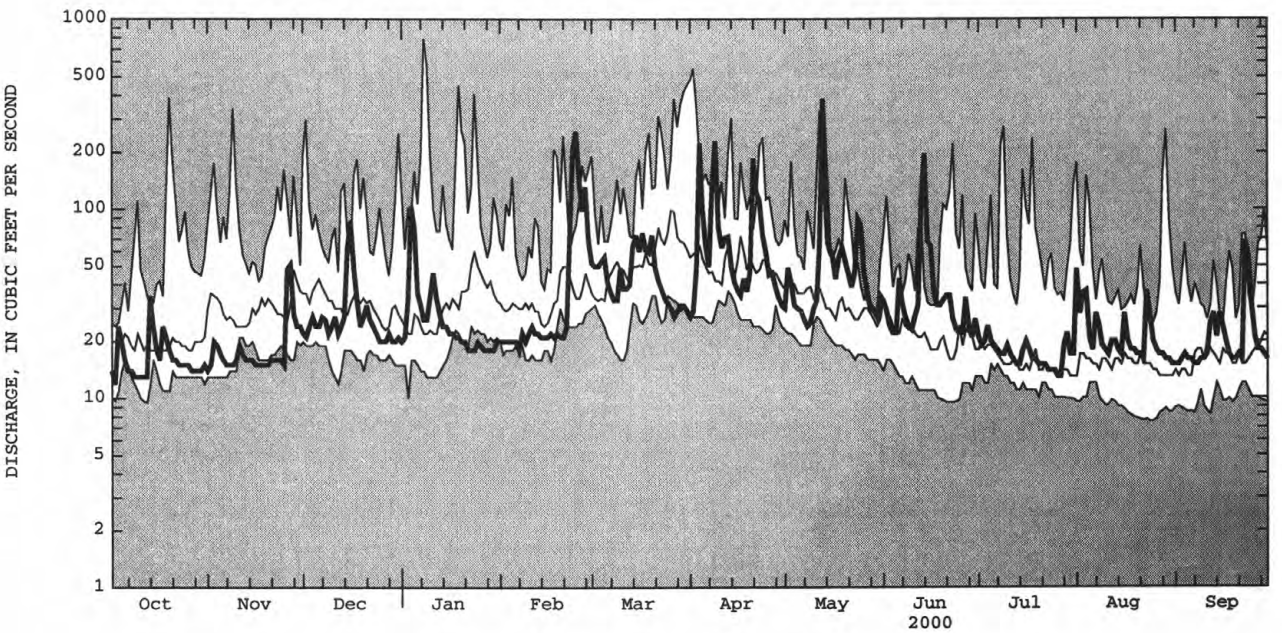
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	25.3	36.4	38.7	50.0	43.1	69.4	67.6	39.5	28.5	23.6	20.4	19.6
MAX	53.7	67.5	73.0	112	69.7	98.0	143	63.5	56.5	52.5	58.0	35.8
(WY)	1997	1993	1997	1998	1998	1993	1993	1996	1996	1992	1992	1992
MIN	14.1	17.6	20.7	25.4	27.8	45.4	27.4	20.2	12.3	12.9	9.03	9.92
(WY)	1992	1992	1999	1994	1995	2000	1995	1995	1995	1999	1995	1995

e Estimated

04232034 IRONDEQUOIT CREEK AT RAILROAD MILLS NEAR FISHERS, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1991 - 2000	
ANNUAL TOTAL	11071.8		12765			
ANNUAL MEAN	30.3		34.9		38.7	
HIGHEST ANNUAL MEAN					53.5	1993
LOWEST ANNUAL MEAN					24.7	1995
HIGHEST DAILY MEAN	406	Jan 24	383	May 13	790	Jan 8 1998
LOWEST DAILY MEAN	9.0	Sep 6	12	Oct 3	7.5	Aug 24 1995
ANNUAL SEVEN-DAY MINIMUM	9.4	Aug 31	13	Oct 7	7.6	Aug 20 1995
ANNUAL RUNOFF (CFSM)	.77		.89		.99	
ANNUAL RUNOFF (INCHES)	10.51		12.11		13.43	
10 PERCENT EXCEEDS	56		63		70	
50 PERCENT EXCEEDS	19		23		25	
90 PERCENT EXCEEDS	11		15		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.

04232034 IRONDEQUOIT CREEK AT RAILROAD MILLS NEAR FISHERS, NY,--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1991 to current year.
CHEMICAL DATA: 1991-2000 (e).
NUTRIENT DATA: 1991-2000 (e).
PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: February 1995 to current year.
INSTRUMENTATION.--Automatic water sampler since July 1991. Water temperature recorder since February 1995 provides 15-minute-interval readings.
COOPERATION.--Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, N.Y.
REMARKS.--Prior to 1994 water year, data published in "Water Resources of Monroe County New York, Water Years 1989-93", U.S. Geological Survey Open-File Report 97-587.
EXTREMES FOR PERIOD OF RECORD.--
WATER TEMPERATURES: Maximum, 22.5°C, July 15, 1995, July 5, 1999; minimum 0°C, many days during winter period.
EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 21.0°C, June 16; minimum 0°C, Jan. 18, 19, 20, 22, 23, 24, 28, 29, 30.

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	12.0	13.0	11.0	10.0	10.5	3.0	1.0	2.0	3.5	2.5	3.0
2	12.5	11.0	11.5	11.5	10.5	11.0	3.0	1.0	2.0	5.0	2.5	3.5
3	12.5	12.0	12.0	11.5	9.0	10.5	5.5	3.0	4.0	5.5	4.0	5.0
4	12.0	10.0	11.0	9.0	8.0	8.5	7.0	5.5	6.0	5.5	3.5	4.5
5	10.5	10.0	10.5	8.5	7.5	8.0	9.0	7.0	8.0	4.5	1.5	3.0
6	10.5	9.5	10.0	9.0	8.5	9.0	9.0	8.0	9.0	2.5	1.0	2.0
7	9.5	8.0	8.5	8.5	7.5	8.0	8.0	6.0	7.0	3.0	2.0	2.5
8	9.5	7.5	8.5	7.5	7.0	7.0	6.0	5.0	5.5	2.5	1.0	1.5
9	12.0	9.5	11.0	9.0	7.5	8.0	5.0	4.0	4.5	3.5	2.5	3.0
10	12.5	11.5	12.0	10.5	9.0	10.0	6.0	5.0	5.5	4.0	3.0	3.0
11	13.0	12.0	12.5	10.0	8.0	9.5	5.5	4.0	4.5	4.0	3.5	4.0
12	12.0	10.5	11.0	8.0	7.0	7.5	4.0	3.0	3.5	3.5	3.0	3.5
13	12.0	10.5	11.0	8.5	7.5	8.0	4.5	4.0	4.5	3.0	.5	1.5
14	12.5	10.5	11.5	9.0	8.5	8.5	4.5	3.0	4.0	.5	.5	.5
15	10.5	9.0	10.0	8.5	7.0	7.5	4.0	2.5	3.5	1.5	.5	.5
16	11.5	9.5	10.5	7.0	5.5	6.5	3.5	3.5	3.5	2.5	.5	1.5
17	12.0	11.5	11.5	5.5	5.0	5.5	3.5	2.5	3.0	.5	.5	.5
18	11.5	10.0	11.0	6.0	5.0	5.5	2.5	1.5	2.0	.5	.0	.5
19	10.0	9.0	9.5	7.0	6.0	6.5	1.5	.5	1.0	.0	.0	.0
20	10.5	9.5	10.0	8.0	7.0	7.5	4.0	1.5	2.5	1.0	.0	.5
21	10.5	9.5	10.0	8.0	7.5	8.0	4.0	2.5	3.0	.5	.5	.5
22	10.0	9.0	9.5	9.5	8.0	8.5	2.5	1.5	2.0	.5	.0	.5
23	9.5	9.0	9.5	11.0	9.5	10.0	1.5	1.0	1.5	.5	.0	.5
24	9.5	9.0	9.0	11.0	9.5	10.0	1.0	.5	.5	1.0	.0	.5
25	9.5	8.5	9.0	9.5	8.0	8.5	1.0	.5	.5	.5	.5	.5
26	10.0	9.0	9.5	9.0	7.5	8.0	2.0	1.0	1.5	1.0	.5	.5
27	9.5	9.0	9.5	9.0	8.0	8.5	1.5	.5	1.0	.5	.5	.5
28	9.0	7.5	8.5	8.0	6.5	7.0	1.0	.5	.5	.5	.0	.5
29	9.5	8.0	8.5	6.5	4.5	5.5	1.5	.5	1.0	.5	.0	.5
30	10.0	9.0	9.5	4.5	3.0	4.0	3.0	1.5	2.5	.5	.0	.5
31	11.0	10.0	10.5	---	---	---	2.5	1.5	2.0	1.5	.5	1.0
MONTH	13.5	7.5	10.3	11.5	3.0	8.0	9.0	.5	3.3	5.5	.0	1.6

04232034 IRONDEQUOIT CREEK AT RAILROAD MILLS NEAR FISHERS, 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	2.0	1.0	1.5	6.0	4.0	5.0	10.0	6.0	8.0	13.0	9.5	11.5
2	1.0	.5	.5	5.5	3.0	4.0	9.5	8.5	9.0	15.5	11.0	13.0
3	2.0	.5	1.0	4.5	2.0	3.0	10.5	8.5	9.0	16.0	11.0	13.5
4	2.0	1.5	1.5	5.0	2.0	3.5	10.5	9.0	10.0	15.5	11.5	13.5
5	1.5	.5	1.5	5.0	4.0	4.5	9.0	5.0	6.5	18.5	14.0	16.0
6	2.0	.5	1.5	6.5	4.0	5.5	8.0	4.5	6.0	20.5	15.0	18.0
7	2.5	1.0	1.5	7.5	4.0	5.5	9.0	6.5	8.0	20.0	16.5	18.5
8	1.0	.5	.5	11.0	6.5	8.5	8.5	6.0	7.5	19.5	17.0	18.5
9	2.5	.5	1.5	11.5	9.0	10.5	6.5	3.5	5.0	20.5	17.5	19.0
10	3.0	2.5	2.5	10.0	5.0	7.0	6.0	5.0	5.5	19.5	16.0	17.5
11	3.0	1.0	2.0	5.0	3.5	4.0	5.0	4.0	4.5	17.5	14.0	15.5
12	1.5	.5	.5	3.5	2.5	3.0	6.5	3.5	5.0	16.5	14.0	15.0
13	2.0	.5	1.0	5.0	2.0	3.5	8.5	4.0	6.0	18.5	16.5	17.5
14	2.0	1.5	1.5	6.0	4.0	5.0	11.5	6.0	8.5	17.5	14.0	15.5
15	2.5	1.0	2.0	6.0	4.5	5.0	15.0	9.5	12.0	14.5	12.5	13.5
16	2.5	2.0	2.0	6.0	3.0	5.5	14.0	10.0	11.5	14.0	11.5	13.0
17	2.0	1.0	1.5	4.0	2.5	3.0	10.0	8.0	8.5	16.5	12.5	14.5
18	1.5	1.0	1.5	4.0	1.0	2.5	9.0	7.5	8.5	16.0	15.0	15.5
19	1.5	1.0	1.5	5.5	2.0	3.5	10.5	8.5	9.0	15.0	12.0	13.5
20	2.5	1.5	2.0	8.0	5.0	6.5	10.5	9.5	10.0	12.0	11.5	12.0
21	3.5	2.0	3.0	8.0	6.5	7.0	11.0	10.0	10.5	12.5	12.0	12.0
22	4.5	2.5	3.5	9.0	7.0	8.0	11.0	8.5	10.0	13.0	11.5	12.0
23	4.0	1.0	3.0	9.0	7.0	8.0	8.5	8.0	8.0	13.5	12.0	12.5
24	2.0	.5	1.0	10.5	6.5	8.5	12.0	7.0	9.0	15.5	13.5	14.0
25	2.5	.5	1.5	12.0	8.5	10.0	12.5	8.5	10.5	15.0	14.5	14.5
26	5.5	2.5	4.0	11.0	9.0	10.0	12.5	8.0	10.5	14.5	13.0	14.0
27	8.0	5.0	6.5	9.0	7.0	7.5	11.0	9.5	10.0	14.5	12.5	13.5
28	7.0	4.0	5.5	9.0	7.0	8.0	13.5	8.0	11.0	14.0	13.0	13.5
29	5.0	3.0	4.0	8.5	6.5	7.0	14.5	9.0	12.0	14.5	12.5	13.5
30	---	---	---	7.0	6.0	6.5	14.5	10.0	12.5	15.0	12.5	14.0
31	---	---	---	8.5	5.5	7.0	---	---	---	16.5	14.0	15.0
MONTH	8.0	.5	2.1	12.0	1.0	6.0	15.0	3.5	8.7	20.5	9.5	14.6

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	17.0	15.5	16.5	18.0	15.5	16.5	19.5	17.0	18.5	19.0	17.0	18.0
2	17.5	15.5	16.5	18.0	16.0	17.0	19.5	18.0	19.0	18.0	17.0	17.5
3	17.0	15.0	16.0	18.0	16.5	17.0	19.0	17.5	18.0	17.0	16.5	16.5
4	16.0	13.5	14.5	18.0	16.5	17.0	18.5	16.5	17.0	16.5	14.5	16.0
5	14.5	13.5	13.5	18.0	16.5	17.0	17.5	15.0	16.5	15.0	13.0	13.5
6	13.5	13.0	13.0	17.5	15.5	16.0	17.0	15.0	15.5	14.0	11.0	12.5
7	14.5	12.0	13.0	16.0	14.5	15.5	18.5	15.0	16.5	14.5	11.5	13.0
8	15.5	13.5	14.5	16.0	14.5	15.5	19.0	17.0	18.0	14.5	13.0	14.0
9	15.5	14.5	15.0	16.0	14.5	15.0	20.0	18.0	19.0	16.5	14.5	15.5
10	18.0	15.0	16.0	17.0	15.0	16.0	19.5	17.5	18.5	17.0	15.0	16.0
11	18.0	16.5	17.0	17.0	15.0	16.0	18.0	16.0	17.0	17.0	16.0	16.5
12	16.5	15.0	15.5	16.5	15.0	16.0	16.0	15.0	15.5	18.5	16.5	17.5
13	17.5	14.5	15.0	16.5	15.0	16.0	16.5	15.0	15.5	18.5	15.5	16.5
14	20.0	17.5	18.5	16.5	15.5	16.0	17.5	15.0	16.0	15.5	14.0	14.5
15	20.5	18.5	19.5	16.0	15.0	15.5	18.5	15.5	17.0	15.5	14.5	15.0
16	21.0	19.0	20.0	16.0	15.0	15.5	18.0	17.0	17.5	14.5	13.0	13.5
17	20.0	18.0	19.0	16.0	15.0	15.5	17.0	15.5	16.5	14.5	12.0	13.0
18	18.0	14.5	16.0	16.5	15.5	16.0	15.5	13.5	14.5	15.5	13.0	14.5
19	17.0	13.0	15.0	16.0	15.0	15.5	15.5	14.0	14.5	16.0	13.5	15.0
20	19.0	15.0	17.0	16.0	14.0	15.0	15.0	13.0	14.0	16.5	14.0	15.5
21	19.5	17.0	18.0	15.5	14.5	15.0	14.5	12.0	13.5	16.0	14.0	15.0
22	19.0	17.5	18.0	15.5	14.5	15.0	15.5	12.5	14.0	14.0	12.5	13.5
23	18.5	16.5	17.0	15.5	14.5	15.0	16.5	14.5	15.5	15.0	12.5	13.5
24	17.5	15.5	16.5	15.5	14.5	15.0	17.0	15.5	16.0	15.0	14.0	14.5
25	18.0	17.0	17.5	16.0	14.5	15.0	17.0	14.5	16.0	14.0	12.5	13.0
26	18.5	16.5	17.5	17.0	15.0	16.0	16.5	14.5	15.5	12.5	12.0	12.5
27	19.0	17.5	18.5	17.0	15.5	16.5	16.5	15.5	16.0	13.0	11.5	12.0
28	19.0	16.5	17.5	17.5	16.0	16.5	17.0	15.0	16.0	13.0	11.5	12.5
29	17.5	16.0	16.5	18.0	16.5	17.5	17.5	15.5	16.5	11.5	10.0	10.5
30	17.0	15.0	16.0	17.5	16.5	17.0	18.5	16.5	17.5	11.5	10.0	10.5
31	---	---	---	17.0	16.5	16.5	19.0	16.0	17.5	---	---	---
MONTH	21.0	12.0	16.5	18.0	14.0	16.0	20.0	12.0	16.4	19.0	10.0	14.4

04232034 IRONDEQUOIT CREEK AT RAILROAD MILLS NEAR FISHERS, NY,--Continued

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

DATE	TIME	ENDING TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	TUR-BID-ITY (NTU) (00076)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)
OCT							
04...	0920	--	33	20	240	84	--
04-08	0925	0825	18	5.4	297	82	--
13-14	1925	0825	27	16	275	80	--
14-17	0935	2035	22	6.5	278	82	--
18-19	0940	2040	25	3.9	266	86	--
NOV							
24-25	0835	2335	16	2.3	301	82	--
26-27	0035	0035	49	32	202	73	98
27-29	0135	0735	36	16	205	72	--
NOV 29-							
DEC 02	0925	0825	23	5.1	141	433	--
13-16	0900	0800	47	19	195	101	--
16-20	0915	0815	43	20	184	84	--
20-23	0855	0755	28	4.8	208	92	--
JAN							
03-05	0900	0200	81	80	154	107	162
05-06	0300	0800	65	95	131	75	91
06-10	0935	0835	29	8.9	205	84	--
10-14	0855	0755	35	8.6	188	86	--
14-18	0855	0755	23	3.0	239	88	--
FEB							
07-10	0915	0815	20	1.5	242	93	--
22-24	0905	0805	70	45	173	169	111
24-25	0910	0810	258	220	54	72	461
25-28	0910	0810	145	45	91	80	103
FEB 28-							
MAR 02	0910	0810	72	24	125	89	--
02-06	0900	0800	50	6.2	147	106	--
06-09	0915	0815	36	3.5	191	96	--
13-15	0910	0210	58	6.9	146	141	--
15-16	0310	0810	69	14	128	103	--
16-20	0915	0815	66	14	127	111	--
20-23	0900	0800	49	2.5	146	91	--
APR							
03-04	1235	1435	154	33	147	101	90
04-06	1535	0835	117	26	81	75	--
06-07	0900	2000	55	7.4	125	87	--
07-09	2100	0800	169	18	123	94	--
09-10	0900	0800	145	37	66	61	54
10-13	0905	0805	70	11	118	89	--
13-17	0920	0820	45	3.0	147	95	--
20-21	0940	1640	127	18	136	89	--
21-24	1740	0840	118	19	81	73	--
24-27	0915	0815	54	5.6	135	84	--
APR 27-							
MAY 01	0915	0815	36	2.8	171	88	--
12-13	0545	2045	237	60	110	66	138
13-15	2145	0845	175	44	60	45	69
15-18	0950	0850	50	13	137	80	--
18-22	0905	0805	54	14	132	80	--
23-24	0120	1620	62	51	147	88	134
24-26	1720	0820	80	120	101	72	304
26-30	0835	0735	33	4.6	183	90	--
JUN							
08-11	0925	0425	24	2.8	218	92	--
11-11	0525	2025	26	3.1	245	94	--
11-12	2125	0825	36	7.0	205	95	--
13-14	0920	0520	192	100	75	71	--
14-15	0620	0820	136	150	28	50	373
15-19	0910	0810	46	40	150	78	99
19-22	0910	0810	34	58	130	117	--
22-26	0925	0825	25	17	216	92	--
JUL 31-							
AUG 01	1850	0250	32	900	207	82	1570
01-03	0350	0850	34	170	203	84	430
23-23	0610	1410	40	39	290	92	110
23-24	1510	0810	38	55	198	92	160
24-28	0910	0810	19	15	277	92	--
SEP							
05-07	0905	0805	16	6.0	318	94	--
23-23	0125	1625	65	42	247	87	138
23-25	1725	0825	57	60	157	74	165
25-28	0920	0820	21	9.0	220	85	--

04232034 IRONDEQUOIT CREEK AT RAILROAD MILLS NEAR FISHERS, NY,--Continued

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

DATE	RESIDUE VOLATILE, SUSPENDED (MG/L) (00535)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)
OCT						
04...	--	.86	<.01	.35	.095	.016
04-08	--	.93	<.01	.27	.025	.008
13-14	--	.91	.01	.34	.060	.009
14-17	--	.74	.01	.31	.035	.010
18-19	--	.72	<.01	.23	.030	.008
NOV						
24-25	--	.93	<.01	N	.020	.004
26-27	20	.62	<.01	1.4	.140	.006
27-29	--	.68	<.01	N	.065	.005
NOV 29-						
DEC 02	--	.34	.04	.57	.035	.010
13-16	--	.84	<.01	.67	.065	.008
16-20	--	.99	.01	.59	.055	.007
20-23	--	1.1	<.01	.36	.025	.007
JAN						
03-05	21	.97	<.01	1.0	.220	.010
05-06	12	1.1	<.01	1.1	.200	.014
06-10	--	1.1	<.01	.37	.040	.009
10-14	--	1.0	<.01	.38	.035	.008
14-18	--	1.1	<.01	.21	.025	.007
FEB						
07-10	--	1.2	<.01	.15	.010	.004
22-24	18	1.0	<.01	.65	.140	.005
24-25	50	1.4	<.01	2.5	.550	.013
25-28	12	1.4	<.01	.92	.160	.012
FEB 28-						
MAR 02	--	1.0	<.01	.70	.070	.010
02-06	--	.93	<.01	.39	.030	.010
06-09	--	.98	<.01	.26	.030	.004
13-15	--	.85	<.01	.37	.040	.005
15-16	--	.77	<.01	.42	.050	.005
16-20	--	.82	<.01	.61	.045	.005
20-23	--	.79	<.01	<.10	.015	.004
APR						
03-04	21	.94	<.01	1.3	.110	.007
04-06	--	.66	<.01	.36	.075	.009
06-07	--	.89	<.01	.37	.035	.007
07-09	--	.83	<.01	.52	.060	.006
09-10	11	.68	<.01	.58	.095	.007
10-13	--	.97	<.01	.34	.035	.007
13-17	--	.90	<.01	.27	.025	.008
20-21	--	1.1	<.01	.50	.060	.007
21-24	--	.72	<.01	.53	.060	.007
24-27	--	.93	<.01	.40	.030	.007
APR 27-						
MAY 01	--	1.1	<.01	.38	.020	.008
12-13	28	.82	.02	.68	.220	.008
13-15	12	.52	.02	1.7	.120	.009
15-18	--	.97	<.01	.44	.025	.010
18-22	--	1.0	<.01	.50	.050	.009
23-24	19	1.0	<.01	1.0	.190	.009
24-26	35	.79	<.01	.43	.500	.010
26-30	--	1.2	<.01	.48	.055	.013
JUN						
08-11	--	1.3	<.01	.27	.030	.013
11-11	--	1.5	<.01	.27	.035	.013
11-12	--	1.3	<.01	.94	.080	.013
13-14	--	1.3	<.01	1.4	.270	.012
14-15	51	1.1	<.01	1.9	.460	.017
15-19	17	1.1	<.01	.45	.160	.018
19-22	--	1.3	<.01	1.0	.230	.019
22-26	--	1.4	<.01	.53	.020	.016
JUL 31-						
AUG 01	130	1.2	<.01	.45	.280	.020
01-03	58	1.1	<.01	2.6	.110	.020
23-23	18	1.4	<.01	1.7	.130	.016
23-24	29	1.1	<.01	.88	.220	.018
24-28	--	1.3	<.01	.56	.060	.021
SEP						
05-07	--	1.6	<.01	.20	.030	.014
23-23	29	1.2	<.01	1.5	.230	.011
23-25	29	.70	<.01	1.3	.150	.012
25-28	--	1.0	<.01	.48	.040	.012

N presumptive evidence of presence of material.

0423204140 MILL CREEK TRIBUTARY (SITE A)-MILL ROAD NEAR BUSHNELL BASIN, NY

LOCATION.--Lat 43°03'38", long 77°30'18", Monroe County, Hydrologic Unit 04140101, 2.35 mi southeast of Pittsford, 1.85 mi west of Bushnell Basin in Town of Pittsford, 600 ft above confluence with Mill Creek, and 340 ft west of Mill Road.
DRAINAGE AREA.-- 0.056 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1995 to current year.
GAGE.--Water-stage recorder and V-notch weir. Elevation of gage is 485 ft above sea level, from topographic map.
REMARKS.--Records fair.
EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge 3.8 ft^3/s, Jan. 8, 1998; minimum daily discharge, no flow for many days.
EXTREMES FOR CURRENT PERIOD.--July 1995 to September 1995: Maximum daily discharge, 0.87 ft^3/s, July 6; minimum daily discharge, no flow for many days.
Water year 1996: Maximum daily discharge, 2.2 ft^3/s, Oct. 21; minimum daily discharge, no flow many days.
Water year 1997: Maximum daily discharge, 2.3 ft^3/s, Oct. 19; minimum daily discharge, no flow many days.
Water year 1998: Maximum daily discharge, 3.8 ft^3/s, Jan. 8; minimum daily discharge, no flow many days.
Water year 1999: Maximum daily discharge, 2.2 ft^3/s, Jan. 23; minimum daily discharge, no flow many days.
Water year 2000: Maximum daily discharge, 1.4 ft^3/s, May 13; minimum daily discharge, no flow many days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	.02	.02
2	---	---	---	---	---	---	---	---	---	---	.02	.01
3	---	---	---	---	---	---	---	---	---	---	.21	.00
4	---	---	---	---	---	---	---	---	---	---	.03	.00
5	---	---	---	---	---	---	---	---	---	---	.05	.03
6	---	---	---	---	---	---	---	---	---	e.87	.09	.01
7	---	---	---	---	---	---	---	---	---	.07	.03	.04
8	---	---	---	---	---	---	---	---	---	.06	.03	.03
9	---	---	---	---	---	---	---	---	---	.03	.03	.05
10	---	---	---	---	---	---	---	---	---	.02	.03	.00
11	---	---	---	---	---	---	---	---	---	.03	.03	.00
12	---	---	---	---	---	---	---	---	---	.02	.04	.00
13	---	---	---	---	---	---	---	---	---	.02	.03	.03
14	---	---	---	---	---	---	---	---	---	.02	.03	.04
15	---	---	---	---	---	---	---	---	---	.40	.03	.01
16	---	---	---	---	---	---	---	---	---	.02	.03	.00
17	---	---	---	---	---	---	---	---	---	.06	.03	.03
18	---	---	---	---	---	---	---	---	---	.17	.03	.02
19	---	---	---	---	---	---	---	---	---	.03	.03	.00
20	---	---	---	---	---	---	---	---	---	.02	.03	.04
21	---	---	---	---	---	---	---	---	---	.05	.03	.01
22	---	---	---	---	---	---	---	---	---	.05	.03	.12
23	---	---	---	---	---	---	---	---	---	.11	.03	.01
24	---	---	---	---	---	---	---	---	---	.07	.04	.00
25	---	---	---	---	---	---	---	---	---	.03	.03	.00
26	---	---	---	---	---	---	---	---	---	.06	.04	.02
27	---	---	---	---	---	---	---	---	---	.03	.04	.00
28	---	---	---	---	---	---	---	---	---	.10	.04	.00
29	---	---	---	---	---	---	---	---	---	.05	.04	.00
30	---	---	---	---	---	---	---	---	---	.02	.03	.00
31	---	---	---	---	---	---	---	---	---	.02	.38	---
TOTAL	---	---	---	---	---	---	---	---	---	---	1.58	0.52
MEAN	---	---	---	---	---	---	---	---	---	---	.051	.017
MAX	---	---	---	---	---	---	---	---	---	---	.38	.12
MIN	---	---	---	---	---	---	---	---	---	---	.02	.00

e Estimated

0423204140 MILL CREEK TRIBUTARY (SITE A)-MILL ROAD NEAR BUSHNELL BASIN, NY--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.01	.03	.17	.06	.06	.08	.08	.18	.05	.12	.08	.01
2	.00	e.10	.08	.06	.05	.08	.06	.13	.05	.09	.33	.01
3	.03	---	.09	.06	.05	.07	.11	.11	.05	.28	.07	.01
4	.02	---	.08	.06	.05	.07	.09	.15	.09	.13	.06	.00
5	.43	---	.08	.06	.05	.07	.08	.11	.05	.08	.07	.00
6	.08	---	.08	.06	.04	.07	.07	.11	.05	.07	.06	.00
7	.16	---	.07	.06	.05	.06	.13	.08	.43	.07	.07	.18
8	.01	---	.07	e.06	.13	.06	.07	.08	.10	.07	.23	.02
9	.01	---	.07	e.06	.08	.05	.07	.10	.19	.07	.05	.00
10	.01	---	.06	.06	.12	.07	.07	.44	.07	.06	.01	.00
11	.01	e.20	.05	e.06	.11	.09	.06	.93	.23	.06	.00	.00
12	.01	.07	.05	e.06	.07	.11	.27	.88	.16	.06	.00	.03
13	.01	.06	.05	.06	.06	.13	1.6	.18	.09	.06	.00	.67
14	.27	.18	.27	.15	.06	.50	.34	.12	.07	.06	.00	.01
15	.05	.30	e.10	.07	.06	.35	.21	.10	.07	.33	.03	.00
16	.01	.23	---	.07	.05	.19	.17	.08	.06	.07	.01	.00
17	.01	.19	---	e.90	.05	.13	.18	.08	.06	.06	.00	.25
18	.01	.22	---	e.90	.05	.12	.12	.07	.06	.10	.00	.03
19	.01	.44	---	1.5	.05	.12	.12	.07	.45	.12	.00	.00
20	.05	.38	---	.20	.75	.45	.24	.09	.31	.06	.00	.00
21	2.2	.66	---	.12	.45	.32	.11	.38	.11	.06	.00	.00
22	.09	.23	---	.11	.18	.19	.35	.08	.48	.06	.00	.08
23	.04	.16	---	.14	.15	.16	1.1	.18	.13	.06	.01	.00
24	.03	.12	---	.94	.16	.13	.43	.08	.14	.06	.01	.01
25	.02	.10	---	.17	.11	.21	.21	.06	.10	.14	.01	.00
26	.02	.12	---	.12	.10	.13	.18	.06	.09	.06	.01	.00
27	.02	.13	---	.26	.12	.10	.11	.06	.09	.06	.01	.01
28	.03	.13	---	.12	.20	.09	.09	.05	.09	.06	.01	.18
29	.02	.08	e.06	.10	.09	.09	.17	.05	.39	.06	.01	.01
30	.02	.07	.05	.08	---	.08	.42	.05	.50	.30	.01	.00
31	.03	---	.07	.07	---	.08	---	.05	---	.07	.01	---
TOTAL	3.72	---	---	6.80	3.55	4.45	7.31	5.19	4.81	3.01	1.16	1.51
MEAN	.12	---	---	.22	.12	.14	.24	.17	.16	.097	.037	.050
MAX	2.2	---	---	1.5	.75	.50	1.6	.93	.50	.33	.33	.67
MIN	.00	---	---	.06	.04	.05	.06	.05	.05	.06	.00	.00

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.01	1.7	.03	.04	.07	.34	.02	.25	.01	.00	.00
2	.00	.01	.25	.15	.03	.13	.23	.02	.11	.01	.03	.09
3	.00	.02	.13	.17	.04	.06	.12	.09	.04	.01	.01	.01
4	.00	.01	.14	.07	.33	.05	.08	.03	.02	.05	.03	.00
5	.00	.01	.09	.26	.22	.06	.09	.02	.02	.01	.00	.00
6	.00	.01	.12	.08	.07	.12	.08	.03	.01	.01	.00	.00
7	.00	.02	.06	.06	.06	.08	.05	.01	.01	.00	.00	.02
8	.00	1.3	.06	.04	.04	.07	.04	.02	.01	.12	.00	.00
9	.04	.43	.05	.04	.03	.09	.04	.05	.01	.12	.00	.00
10	.36	.17	.04	.04	.03	.46	.03	.02	.01	.01	.00	.01
11	.02	.07	.04	.03	.02	.32	.03	.03	.01	.00	.00	.25
12	.00	.05	.04	.02	.02	.12	.19	.06	.01	.00	.00	.01
13	.01	.04	.79	.02	.02	.08	.08	.02	.01	.00	.17	.00
14	.04	.03	.13	.02	.02	.77	.05	.02	.00	.00	.00	.00
15	.00	.03	.08	.02	.02	.22	.03	.02	.00	.05	.04	.00
16	.00	.03	.08	.03	.02	.12	.03	.02	.15	.01	.22	.00
17	.00	.02	.08	.02	.02	.15	.06	.02	.05	.00	.02	.03
18	.05	.02	.05	.02	.06	.12	.03	.01	.05	.00	.01	.00
19	2.3	.04	.04	.01	.07	.10	.10	.54	.01	.00	.00	.04
20	.81	.03	.03	.02	.03	.08	.04	.06	.16	.01	.09	.02
21	.40	.02	.02	.02	.05	.24	.03	.02	.01	.07	.08	.00
22	.11	.02	.04	.15	.04	.20	.03	.02	.01	.00	.05	.00
23	.12	.03	.09	.04	.03	.09	.02	.01	.01	.00	.02	.02
24	.08	.01	.09	.03	.02	.07	.02	.01	.21	.00	.00	.00
25	.04	.04	.04	.09	.02	.40	.02	.01	.01	.00	.00	.08
26	.02	.18	.03	.03	.05	.32	.02	.01	.21	.00	.00	.01
27	.03	.06	.04	.02	.81	.17	.03	.01	.01	.03	.03	.00
28	.04	.05	.04	.03	.09	.11	.12	.01	.01	.01	.02	.01
29	.01	.06	.11	.02	---	.18	.02	.01	.01	.00	.00	1.0
30	.08	.15	.04	.02	---	.22	.02	.02	.01	.00	.00	.06
31	.02	---	.03	.05	---	.24	---	.08	---	.00	.00	---
TOTAL	4.58	2.97	4.57	1.65	2.30	5.51	2.07	1.32	1.44	0.53	0.82	1.66
MEAN	.15	.099	.15	.053	.082	.18	.069	.043	.048	.017	.026	.055
MAX	2.3	1.3	1.7	.26	.81	.77	.34	.54	.25	.12	.22	1.0
MIN	.00	.01	.02	.01	.02	.05	.02	.01	.00	.00	.00	.00

e Estimated

0423204140 MILL CREEK TRIBUTARY (SITE A)-MILL ROAD NEAR BUSHNELL BASIN, NY--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.01	.32	.08	.03	.12	.83	.13	.03	.01	.09	e.00	e.00
2	.00	.34	.04	.19	.12	.39	.13	.03	.06	.01	e.00	e.06
3	.00	.06	.05	.22	.11	.20	.08	.03	.01	.01	e.00	e.00
4	.01	.02	.08	.19	.09	.24	.06	.07	.01	1.0	e.00	e.00
5	.11	.01	.05	.11	.08	.09	.05	.01	.00	.12	e.00	e.00
6	.00	.01	.05	.22	.06	.08	.05	.02	.00	.03	e.00	e.00
7	.00	.01	.10	2.4	.05	.06	.04	.01	.00	.69	e.00	e.35
8	.00	.02	.07	3.8	.05	.53	.14	.01	.00	e2.0	e.00	e.41
9	.00	.01	.05	1.1	.04	.32	.10	.01	.00	e1.2	e.00	e.10
10	.00	.00	.04	.23	.05	.14	.05	.19	.01	e.15	e.00	e.03
11	.00	.00	.06	.13	.07	.10	.03	.25	.00	e.09	e.00	e.00
12	.00	.01	.05	.10	.17	.08	.03	.04	.08	e.04	e.00	e.00
13	.00	.01	.05	.10	.07	.08	.02	.02	.01	e.03	e.00	e.00
14	.00	.02	.05	.06	.05	.13	.02	.01	.01	e.03	e.00	e.00
15	.00	.05	.05	.06	.04	.19	.04	.01	.15	e.03	e.00	e.00
16	.00	.04	.07	.05	.03	.36	.12	.01	.02	e.02	e.00	e.11
17	.00	.03	.05	.05	.42	.26	.03	.01	.05	e.02	e.22	e.00
18	.00	.05	.03	.05	.47	.27	.02	.01	.00	e.02	e.41	e.00
19	.00	.08	.03	.05	.29	.82	.17	.14	.00	e.02	e.00	e.02
20	.02	.08	.08	.04	.15	.37	.22	.02	.00	e.00	e.00	e.19
21	.06	.13	.04	.03	.11	.37	.05	.01	.00	e.00	e.00	e.00
22	.00	.18	.05	.03	.08	.20	.04	.01	.00	e.08	e.00	e.09
23	.00	.14	.20	.19	.07	.42	.03	.01	.01	e.07	e.00	e.05
24	.00	.06	.16	.14	.15	.69	.03	.01	.00	e.00	e.13	e.01
25	.00	.04	.23	.09	.33	.63	.02	.01	1.1	e.00	e.34	e.01
26	.09	.14	.12	.06	.22	1.2	.02	.01	.47	e.00	e.40	e.00
27	.19	.07	.08	.07	.26	.47	.02	.01	.02	e.00	e.00	e.08
28	.01	.05	.07	.07	.68	.38	.02	.05	.01	e.00	e.00	e.01
29	.00	.03	.05	.26	---	.27	.02	.21	.01	e.07	e.02	e.00
30	.00	.15	.05	.35	---	.08	.02	.03	.14	e.00	e.00	e.00
31	.00	---	.04	.16	---	.06	---	.23	---	e.00	e.00	---
TOTAL	0.50	2.16	2.22	10.63	4.43	10.31	1.80	1.52	2.18	5.82	1.52	1.52
MEAN	.016	.072	.072	.34	.16	.33	.060	.049	.073	.19	.049	.051
MAX	.19	.34	.23	3.8	.68	1.2	.22	.25	1.1	2.0	.41	.41
MIN	.00	.00	.03	.03	.03	.06	.02	.01	.00	.00	.00	.00

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	.04	.00	.01	.00	.05	.07	.08	.03	.02	.04	.00	.02
2	.00	.00	.00	.00	.36	.04	.06	.03	.05	.22	.00	.02
3	.00	.00	.00	.02	.26	.41	.05	.02	.01	.06	.00	.02
4	.00	.00	.00	.00	.19	.26	e.19	.02	.01	.01	.14	.02
5	e.00	.00	.01	.00	.10	.15	e.05	.02	.01	.01	.01	.02
6	e.00	.00	.00	.00	.08	.09	e.07	.02	.01	.07	.01	.02
7	e.09	.02	.00	.00	.07	.08	e.04	.11	.01	.04	.00	.25
8	e.41	.00	.01	.00	.07	.08	e.05	.16	.01	.01	.11	.17
9	.04	.00	.00	.00	.09	.07	e.03	.04	.01	.01	.00	.03
10	.02	.05	.00	.00	.07	.07	.03	.02	.00	.06	.06	.20
11	.01	.03	.00	.00	.06	.07	.14	.02	.00	.00	.07	.03
12	.01	.00	.00	.00	.08	.06	.10	.01	.00	.00	.00	.02
13	.03	.00	.00	.00	.04	.07	.04	.01	.01	.00	.01	.04
14	.03	.00	.00	.00	.04	.08	.04	.01	.09	.00	.01	.02
15	.01	.03	.00	.00	.04	.10	.03	.01	.01	.00	.00	.02
16	.01	.03	.02	.04	.04	.16	.16	.01	.00	.00	.00	.48
17	.03	.04	.05	.03	.03	.49	.04	.01	.01	.00	.05	.08
18	.01	.00	.01	.29	.03	1.5	.03	.01	.00	.00	.00	.03
19	.01	.00	.02	.08	.03	.39	.03	.01	.00	.08	.00	.02
20	.00	.00	.00	.05	.03	.29	.03	.01	.01	.00	.40	.13
21	.00	.00	.09	.04	.03	.47	.03	.01	.00	.00	.01	.08
22	.00	.00	.15	.27	.02	.48	.18	.01	.00	.00	.00	.03
23	.00	.00	.01	2.2	.02	.26	e.23	.01	.00	.00	.00	.02
24	.00	.00	.01	1.1	.02	.28	e.06	.18	.00	.02	.01	.02
25	.00	.00	.01	.19	.02	.15	e.05	.08	.22	.01	.01	.03
26	.00	.05	.00	.11	.02	.12	e.04	.04	.01	.00	.04	.02
27	.00	.00	.00	.08	.02	.11	e.04	.01	.27	.00	.05	.02
28	.06	.00	.00	.07	.07	.11	e.03	.01	.03	.00	.02	.01
29	.00	.00	.00	.06	---	.09	.04	.01	.16	.00	.02	.03
30	.00	.00	.00	.05	---	.07	.04	.01	.01	.00	.02	.23
31	.00	---	.00	.04	---	.07	---	.01	---	.11	.02	---
TOTAL	0.81	0.25	0.40	4.72	1.98	6.74	2.03	0.96	0.97	0.75	1.07	2.13
MEAN	.026	.008	.013	.15	.071	.22	.068	.031	.032	.024	.035	.071
MAX	.41	.05	.15	2.2	.36	1.5	.23	.18	.27	.22	.40	.48
MIN	.00	.00	.00	.00	.02	.04	.03	.01	.00	.00	.00	.01

e Estimated

0423204140 MILL CREEK TRIBUTARY (SITE A)-MILL ROAD NEAR BUSHNELL BASIN, 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	.00	.00	.03	.01	---	.10	e.03	e.12	.02	.01	.21	.00
2	.00	.14	.02	.02	---	.09	e.12	e.08	.02	.01	.01	.00
3	.02	.01	.06	.33	---	.10	e.21	e.04	.02	.05	.13	.00
4	.15	.00	.04	.27	---	.08	e.60	e.04	.02	.01	.01	.01
5	.01	.00	.06	.04	---	.06	e.17	e.08	.08	.01	.01	.00
6	.00	.00	.02	.03	---	.05	e.12	.07	.11	---	.01	.00
7	.00	.00	.01	.03	---	.05	e.14	.04	e.02	---	.11	.00
8	.01	.00	.01	.02	---	.05	e1.2	.03	e.02	---	.01	.00
9	.00	.00	.01	.04	---	.18	.26	e.02	e.02	---	.05	.01
10	.00	.13	.13	.11	---	.07	.16	e.16	.01	---	.01	.00
11	.01	.01	.02	.04	---	.06	.22	e.04	.27	---	.01	.04
12	.00	.00	.01	.02	---	.10	.21	e.26	.05	---	.01	.13
13	.21	.00	.01	---	---	.13	.11	1.4	1.2	---	.00	.01
14	.29	.00	.06	---	---	.22	.08	.06	.09	---	.00	.11
15	.01	.00	.33	---	---	.15	.07	.03	.15	.29	.03	.02
16	.00	.00	.16	---	---	.17	.06	.02	.04	.08	.52	.00
17	.10	.00	.05	---	---	.18	e.06	e.02	.08	.02	.01	.00
18	.10	.00	.03	---	---	.13	e.05	e.20	.04	.02	.01	.00
19	.02	.00	.02	---	---	.15	e.05	.04	.03	.01	.01	.00
20	.01	.01	.02	---	---	.11	e.48	.04	.02	.01	.01	.00
21	.00	.00	.02	---	---	.09	e.71	.03	.14	.06	.00	.02
22	.01	.00	.01	---	---	.07	e.40	.03	.03	.00	.00	.00
23	.00	.00	.01	---	---	.07	e.32	.12	.02	.00	.33	.61
24	.02	.04	.01	---	---	.06	e.17	.12	e.02	.00	.01	.18
25	.00	.01	.01	---	.49	.07	e.11	.04	e.05	.00	.01	.02
26	.00	.51	.01	---	.20	.05	e.08	.03	e.02	.00	.01	.01
27	.00	.04	.01	---	.24	.05	e.32	.03	.16	.00	.01	.04
28	.00	.01	.01	---	.15	.05	e.08	.03	.02	.05	.01	.02
29	.00	.05	.01	---	.08	.07	e.06	.03	.09	.00	.00	.01
30	.00	.06	.02	---	---	e.04	e.06	.03	.02	.00	.00	.01
31	.00	---	.01	---	---	e.03	---	.02	---	.11	.00	---
TOTAL	0.97	1.02	1.23	---	---	2.88	6.71	3.30	2.88	---	1.55	1.25
MEAN	.031	.034	.040	---	---	.093	.22	.11	.096	---	.050	.042
MAX	.29	.51	.33	---	---	.22	1.2	1.4	1.2	---	.52	.61
MIN	.00	.00	.01	---	---	.03	.03	.02	.01	---	.00	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	.068	.053	.068	.19	.11	.19	.13	.079	.082	.082	.041	.048
MAX	.15	.099	.15	.34	.16	.33	.24	.17	.16	.19	.051	.071
(WY)	1997	1997	1997	1998	1998	1998	1996	1996	1996	1998	1995	1999
MIN	.016	.008	.013	.053	.071	.093	.060	.031	.032	.017	.026	.017
(WY)	1998	1999	1999	1997	1999	2000	1998	1999	1999	1997	1997	1995

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1995 - 2000	
ANNUAL TOTAL	24.57					
ANNUAL MEAN	.067				.088	
HIGHEST ANNUAL MEAN					.12	1998
LOWEST ANNUAL MEAN					.062	1999
HIGHEST DAILY MEAN	2.2	Jan 23	1.4	May 13	3.8	Jan 8 1998
LOWEST DAILY MEAN	.00	Jan 1	.00	Oct 1	.00	Sep 3 1995
ANNUAL SEVEN-DAY MINIMUM	.00	Jan 4	.00	Oct 25	.00	Sep 30 1996
10 PERCENT EXCEEDS	.16		.19		.21	
50 PERCENT EXCEEDS	.02		.03		.04	
90 PERCENT EXCEEDS	.00		.00		.00	

e Estimated

0423204140 MILL CREEK TRIBUTARY (SITE A)-MILL ROAD NEAR BUSHNELL BASIN, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1995 to current year.
CHEMICAL DATA: 1995-2000 (e).
NUTRIENT DATA: 1995-2000 (e).
PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: July 1995 to current year.
INSTRUMENTATION. --Water-quality monitor since August 1995. Water-temperature sensor since July 1995.
COOPERATION.--Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, N.Y.
EXTREMES FOR CURRENT PERIOD.--
WATER TEMPERATURES: July to September 1995: Maximum recorded, 25.5°C, Sep. 5; minimum recorded, 13.5°C, Sep. 23.
Water Year 1996: Maximum recorded, 24.0°C, July 18, 25, 30, Aug. 2, 9, 15; minimum recorded, 1.0°C, Feb. 20.
Water Year 1997: Maximum recorded, 25.0°C, July 15; minimum recorded, 0.0°C, Feb 4.
Water Year 1998: Maximum recorded, 24.0°C, July 8; minimum recorded, 1.5°C, Feb 17.
Water Year 1999: Maximum recorded, 27.0°C, June 27; minimum recorded, 1.5°C, Jan. 23.
Water Year 2000: Maximum recorded, 25.5°C, July 31; minimum recorded, 1.5°C, Jan. 27, 28, 29, 30.

TEMPERATURE, WATER (DEG. C), WATER YEAR JUNE 1995 TO SEPTEMBER 1995

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	23.5	20.5	21.5	---	---	---
2	---	---	---	---	---	---	22.5	21.0	21.5	---	---	---
3	---	---	---	---	---	---	25.0	20.5	22.0	---	---	---
4	---	---	---	---	---	---	23.0	21.0	21.5	---	---	---
5	---	---	---	---	---	---	22.0	21.0	21.5	---	---	---
6	---	---	---	23.5	19.5	21.0	22.5	20.5	21.5	---	---	---
7	---	---	---	20.5	19.0	19.5	23.0	20.5	21.5	---	---	---
8	---	---	---	19.0	18.0	18.5	23.0	20.0	21.0	---	---	---
9	---	---	---	20.0	17.5	18.5	23.5	19.5	21.0	20.0	17.0	19.0
10	---	---	---	21.0	17.5	19.0	23.5	19.5	21.0	---	---	---
11	---	---	---	21.0	18.5	19.5	23.0	21.0	21.5	---	---	---
12	---	---	---	21.5	18.0	19.5	23.0	21.0	21.5	---	---	---
13	---	---	---	21.5	18.5	19.5	23.5	20.0	21.5	---	---	---
14	---	---	---	22.5	19.5	20.5	23.0	20.5	21.5	---	---	---
15	---	---	---	24.0	20.0	21.5	23.5	21.5	22.0	---	---	---
16	---	---	---	22.0	20.0	20.5	24.5	21.0	22.5	---	---	---
17	---	---	---	23.0	20.0	21.0	23.5	20.5	21.5	---	---	---
18	---	---	---	23.0	19.5	21.0	24.0	20.5	22.0	---	---	---
19	---	---	---	21.5	19.5	20.5	24.0	20.5	22.0	---	---	---
20	---	---	---	21.0	19.0	20.0	24.0	21.0	22.5	---	---	---
21	---	---	---	22.5	19.5	20.5	24.5	21.5	22.5	---	---	---
22	---	---	---	22.5	18.5	20.0	24.0	21.0	22.0	---	---	---
23	---	---	---	24.5	20.5	21.5	23.5	19.5	21.5	---	---	---
24	---	---	---	22.0	20.0	20.5	23.5	20.5	22.0	---	---	---
25	---	---	---	21.5	20.0	20.5	23.0	19.0	21.0	---	---	---
26	---	---	---	22.5	20.5	21.5	22.5	19.5	21.0	---	---	---
27	---	---	---	22.0	20.5	21.0	21.5	20.0	21.0	---	---	---
28	---	---	---	23.5	20.0	21.5	22.5	19.0	21.0	---	---	---
29	---	---	---	23.0	21.0	21.5	23.0	20.0	21.5	---	---	---
30	---	---	---	23.0	19.5	21.0	---	---	---	---	---	---
31	---	---	---	23.0	19.0	20.5	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	25.0	19.0	21.6	---	---	---

0423204140 MILL CREEK TRIBUTARY (SITE A)-MILL ROAD NEAR BUSHNELL BASIN, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	4.0	3.5	4.0	4.5	3.5	4.0	6.0	5.5	5.5	9.5	8.5	9.0
2	3.5	3.0	3.5	5.0	3.5	4.0	6.5	5.0	5.5	9.5	8.5	9.0
3	3.5	3.0	3.0	4.0	3.0	3.5	6.0	5.0	5.5	9.5	8.5	9.0
4	3.5	2.5	3.0	4.0	3.0	3.5	6.0	5.5	5.5	10.0	8.5	9.0
5	3.5	2.5	3.0	4.0	3.5	4.0	6.5	5.0	5.5	10.0	8.5	9.0
6	3.5	3.0	3.5	4.0	3.5	4.0	7.0	5.0	5.5	10.0	8.5	9.0
7	4.5	3.5	4.0	3.5	3.0	3.5	6.0	5.5	5.5	10.0	8.5	9.0
8	4.5	3.0	4.0	3.5	2.5	3.0	6.5	5.5	5.5	10.5	8.5	9.5
9	4.5	4.0	4.5	3.5	2.5	3.0	6.5	5.0	5.5	10.5	9.5	9.5
10	4.5	3.5	4.0	4.5	3.0	3.5	6.5	5.0	6.0	19.5	10.0	12.0
11	4.0	3.5	4.0	5.0	2.5	3.5	7.0	5.5	6.0	12.0	9.0	11.0
12	3.5	3.0	3.5	5.0	3.0	4.0	6.5	6.0	6.5	11.0	8.0	9.5
13	3.5	2.5	3.0	5.0	3.5	4.0	8.5	4.5	6.5	10.5	9.5	10.0
14	4.0	3.0	3.5	4.5	2.5	3.5	7.0	6.0	6.5	11.5	9.0	10.0
15	4.0	3.0	3.5	5.0	3.0	4.0	10.0	6.0	7.0	11.5	9.5	10.0
16	4.0	2.5	3.0	5.5	4.0	4.5	7.0	6.5	7.0	10.5	10.0	10.0
17	4.0	2.5	3.0	5.5	4.0	4.5	7.0	5.5	6.5	11.5	10.0	10.5
18	3.5	2.5	3.0	6.0	4.5	5.0	8.0	6.5	7.0	12.0	10.5	11.0
19	4.0	2.5	3.5	6.5	4.5	5.5	8.0	7.0	7.5	12.0	10.5	11.0
20	4.0	1.0	2.5	5.0	4.0	4.5	10.5	7.0	8.5	15.5	11.0	11.5
21	4.0	1.5	3.0	4.5	4.5	4.5	8.5	7.5	8.0	17.5	11.5	13.5
22	4.0	4.0	4.0	5.0	4.5	4.5	14.5	7.5	9.5	12.5	11.5	12.0
23	4.5	4.0	4.5	5.0	4.5	4.5	10.5	8.0	9.5	17.0	11.5	12.5
24	4.5	4.5	4.5	6.0	4.5	5.0	9.0	7.5	8.0	13.0	11.5	12.0
25	5.0	4.5	4.5	6.5	5.0	5.5	9.0	8.0	8.5	13.0	11.0	12.0
26	5.5	4.0	4.5	5.5	4.5	5.0	10.0	8.5	8.5	12.5	11.5	12.0
27	4.5	4.0	4.5	5.5	4.5	5.0	8.5	7.5	8.0	13.5	11.5	12.0
28	5.5	4.0	4.5	6.0	4.5	5.0	9.0	7.5	8.0	13.5	12.0	12.5
29	4.5	3.5	4.0	5.5	5.0	5.5	9.0	8.0	8.5	13.5	12.0	12.5
30	---	---	---	6.5	5.0	5.5	15.0	8.5	9.5	14.0	11.5	12.5
31	---	---	---	6.5	5.0	5.5	---	---	---	14.5	12.0	13.0
MONTH	5.5	1.0	3.7	6.5	2.5	4.3	15.0	4.5	7.0	19.5	8.0	10.8

0423204140 MILL CREEK TRIBUTARY (SITE A)-MILL ROAD NEAR BUSHNELL BASIN, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996--Continued

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

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	12.0	11.0	11.5	9.0	3.0	6.0	7.5	5.5	6.0
2	---	---	---	12.0	10.0	11.0	9.0	8.0	8.5	7.5	5.5	6.5
3	---	---	---	12.5	10.0	11.0	9.5	9.0	9.0	8.0	5.0	6.5
4	---	---	---	12.5	10.5	11.5	9.5	7.5	9.0	8.5	7.5	8.0
5	---	---	---	13.0	11.0	12.0	10.0	8.5	9.0	9.5	7.5	8.0
6	---	---	---	---	---	---	9.5	7.0	9.0	8.0	6.5	7.5
7	---	---	---	14.0	12.0	13.5	9.5	9.0	9.5	7.0	6.5	7.0
8	---	---	---	15.0	9.5	12.0	9.5	8.5	9.0	7.0	6.5	6.5
9	---	---	---	12.5	10.0	11.5	9.0	8.5	8.5	7.0	6.5	6.5
10	15.5	12.0	15.0	12.5	9.0	11.5	9.5	8.5	9.0	7.5	6.5	7.0
11	15.5	13.5	14.5	12.0	11.5	12.0	9.5	8.5	9.0	6.5	5.5	6.0
12	---	---	---	12.0	11.0	11.5	9.5	8.5	9.0	5.5	5.0	5.5
13	---	---	---	11.5	10.5	11.0	9.5	5.5	7.5	5.5	5.5	5.5
14	---	---	---	11.0	10.0	10.5	9.0	7.5	9.0	6.0	5.0	5.5
15	---	---	---	11.0	9.5	10.0	9.0	8.5	9.0	7.0	5.0	5.5
16	---	---	---	11.5	9.5	10.5	10.0	7.0	9.0	7.0	4.0	5.5
17	---	---	---	12.0	9.5	10.5	10.0	7.5	9.0	4.0	3.0	3.5
18	---	---	---	12.0	11.0	11.5	9.5	8.5	9.0	3.0	2.0	3.0
19	14.5	11.0	12.5	11.5	10.5	11.0	8.5	7.5	8.0	4.0	2.0	3.0
20	15.5	11.5	14.0	11.0	10.0	10.5	7.5	7.0	7.0	5.0	4.0	4.5
21	15.0	12.0	14.0	10.0	9.5	10.0	7.5	6.5	7.0	5.0	4.0	4.5
22	15.5	14.5	15.0	10.0	9.0	9.5	8.0	6.5	7.5	6.0	3.0	5.0
23	15.5	14.0	15.0	10.5	9.0	9.5	8.5	6.0	8.0	5.5	4.5	5.0
24	15.0	14.0	15.0	10.0	8.5	9.0	8.5	6.5	7.5	6.0	4.0	5.0
25	15.0	14.0	14.5	9.5	7.0	9.0	7.5	6.5	7.0	5.5	4.0	5.0
26	15.5	13.5	14.5	9.0	5.0	8.0	7.5	6.5	7.0	5.0	4.0	4.5
27	15.5	14.0	15.0	9.5	8.5	9.0	8.0	7.5	7.5	5.5	4.0	4.5
28	15.5	13.0	14.5	9.5	8.5	9.0	9.0	7.5	8.0	6.0	4.5	5.0
29	14.5	13.0	13.5	9.5	9.0	9.0	8.5	6.5	8.0	4.5	4.0	4.0
30	14.5	12.0	14.0	9.5	6.0	8.5	8.0	7.0	7.5	4.5	3.5	4.0
31	13.5	12.0	12.5	---	---	---	7.0	6.0	6.5	5.5	3.5	5.0
MONTH	---	---	---	---	---	---	10.0	3.0	8.2	9.5	2.0	5.4

0423204140 MILL CREEK TRIBUTARY (SITE A)-MILL ROAD NEAR BUSHNELL BASIN, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	5.5	5.0	5.0	7.0	6.0	6.5	7.0	5.0	6.0	12.5	8.0	10.0
2	6.0	5.0	5.5	9.0	6.0	7.0	8.5	6.0	7.0	12.0	7.5	9.5
3	6.0	5.0	5.5	7.0	6.0	6.5	8.0	6.5	7.5	10.5	9.0	9.5
4	5.5	.0	4.5	7.0	6.0	6.0	9.0	7.0	7.5	14.0	8.5	10.0
5	5.5	1.0	4.5	7.0	5.5	6.5	9.0	7.0	8.0	13.0	8.0	10.0
6	6.5	5.0	5.5	6.0	5.0	5.5	9.5	7.5	8.5	11.5	8.5	10.0
7	6.0	5.0	5.5	6.0	5.0	5.5	8.5	6.5	7.5	13.0	8.0	9.5
8	6.0	4.5	5.5	5.5	5.5	5.5	8.0	6.0	7.0	12.0	7.5	9.5
9	5.5	4.5	5.0	6.0	5.0	5.5	8.0	5.5	6.5	11.5	9.5	10.0
10	5.5	4.5	5.0	5.5	3.0	4.5	8.5	5.5	6.5	10.5	9.5	10.0
11	6.0	5.0	5.0	6.0	4.5	5.0	8.5	6.5	7.0	13.0	8.5	10.5
12	5.5	4.0	5.0	6.5	5.5	5.5	7.5	6.5	7.0	12.0	10.0	10.5
13	4.5	3.5	4.0	6.5	5.5	5.5	8.0	7.0	7.5	13.5	9.5	11.0
14	5.5	4.0	5.0	5.5	.5	3.5	10.0	7.0	8.0	12.0	9.5	10.5
15	6.0	4.0	5.0	5.5	4.0	5.0	10.5	6.5	8.0	12.0	9.5	10.5
16	4.5	3.5	4.0	6.0	5.0	5.5	11.0	7.0	8.0	10.5	9.0	10.0
17	4.5	3.0	4.0	6.0	4.0	5.0	8.0	7.5	7.5	10.0	9.0	9.5
18	5.5	4.5	5.0	6.0	5.0	5.5	8.5	7.0	7.5	11.5	8.0	9.5
19	6.0	5.0	5.5	6.5	5.0	5.5	8.0	7.0	7.5	16.5	9.5	11.5
20	6.5	5.0	5.5	6.0	5.5	5.5	8.5	7.5	8.0	12.0	10.0	11.0
21	7.0	5.5	6.0	6.0	3.5	5.5	11.0	7.5	8.5	11.0	10.0	10.0
22	6.5	4.5	5.5	6.0	3.5	5.0	11.0	7.0	8.5	12.5	9.5	10.5
23	6.0	4.5	5.0	6.5	5.0	5.5	11.0	7.5	9.0	12.5	9.5	10.5
24	5.5	4.0	4.5	7.0	5.0	5.5	11.0	7.5	9.0	12.5	10.0	11.0
25	5.0	3.5	4.5	6.5	4.5	5.5	11.0	8.0	9.0	11.5	10.5	11.0
26	6.5	4.5	5.5	6.5	4.0	5.5	12.0	7.5	9.5	13.0	9.5	10.5
27	7.5	3.0	5.5	7.5	5.5	6.5	10.5	7.5	9.0	13.5	8.5	10.5
28	6.5	6.0	6.0	8.0	6.0	7.0	10.0	8.5	9.0	14.0	9.0	11.0
29	---	---	---	9.0	6.5	7.5	12.5	8.0	9.5	11.5	10.0	11.0
30	---	---	---	7.5	5.5	7.0	11.5	8.5	10.0	12.0	11.0	11.5
31	---	---	---	6.5	5.0	6.0	---	---	---	15.0	11.0	12.5
MONTH	7.5	.0	5.1	9.0	.5	5.7	12.5	5.0	8.0	16.5	7.5	10.4

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

0423204140 MILL CREEK TRIBUTARY (SITE A)-MILL ROAD NEAR BUSHNELL BASIN, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	16.5	12.5	15.0	---	---	---	9.5	9.0	9.0	6.5	5.0	5.5
2	---	---	---	14.0	11.5	12.5	9.0	8.5	9.0	7.5	4.0	6.0
3	---	---	---	14.5	12.0	13.5	9.5	7.0	9.0	7.5	4.0	6.5
4	---	---	---	13.5	12.0	13.0	10.0	6.5	9.0	7.5	7.0	7.0
5	18.5	16.0	17.5	13.0	11.5	12.5	9.5	8.5	9.0	8.5	7.0	7.5
6	---	---	---	13.0	10.5	12.0	9.0	7.5	8.5	8.5	7.5	8.0
7	---	---	---	---	---	---	9.0	7.5	8.5	9.0	3.5	7.0
8	---	---	---	---	---	---	9.0	8.5	8.5	7.0	2.0	4.5
9	---	---	---	13.5	11.0	12.0	9.0	8.5	8.5	7.5	2.5	6.0
10	---	---	---	---	---	---	9.0	8.0	8.5	8.0	7.0	7.5
11	---	---	---	---	---	---	8.5	8.0	8.5	7.5	6.5	7.0
12	---	---	---	---	---	---	8.5	8.0	8.5	7.5	6.5	7.0
13	---	---	---	---	---	---	8.5	8.0	8.0	7.5	6.0	7.0
14	---	---	---	---	---	---	8.5	7.0	8.0	6.5	5.5	6.0
15	---	---	---	10.5	9.5	10.0	8.5	7.0	8.0	6.5	5.5	6.0
16	---	---	---	10.5	9.5	10.0	9.0	7.0	8.0	6.5	6.0	6.0
17	---	---	---	10.0	9.5	9.5	9.0	8.0	8.0	6.5	6.0	6.0
18	---	---	---	10.5	9.5	10.0	8.5	8.0	8.0	7.0	6.0	6.5
19	---	---	---	11.0	9.5	9.5	9.0	8.0	8.5	7.0	5.5	6.5
20	---	---	---	10.5	9.5	10.0	8.0	6.5	7.5	7.5	6.0	6.5
21	---	---	---	10.0	9.5	9.5	8.0	6.5	7.5	7.0	6.0	6.0
22	---	---	---	10.0	7.5	9.0	7.5	5.0	6.5	6.5	5.5	6.0
23	---	---	---	10.0	9.0	9.5	7.5	4.0	6.0	6.0	2.5	5.0
24	---	---	---	10.0	9.5	9.5	7.5	3.5	7.5	6.0	5.0	5.5
25	---	---	---	10.5	9.5	10.0	7.5	4.0	6.5	6.5	5.5	6.0
26	---	---	---	11.0	7.0	10.0	8.0	7.0	7.5	6.5	5.5	6.0
27	13.0	8.0	11.5	10.0	7.5	9.5	8.0	7.0	7.5	7.0	5.5	6.0
28	---	---	---	10.5	9.5	10.0	7.5	7.0	7.0	7.5	6.0	6.5
29	---	---	---	10.5	9.5	10.0	7.5	6.5	7.0	7.0	2.5	5.5
30	---	---	---	9.5	7.0	8.5	7.5	6.5	7.0	5.5	3.5	4.5
31	---	---	---	---	---	---	6.5	5.0	5.5	6.0	5.0	5.5
MONTH	---	---	---	---	---	---	10.0	3.5	7.9	9.0	2.0	6.2
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7.0	5.5	6.0	7.0	4.0	6.0	10.5	8.0	8.5	12.0	10.5	11.0
2	6.5	5.5	6.0	7.5	6.0	7.0	9.0	7.5	8.5	12.0	10.5	11.5
3	6.5	6.0	6.0	7.5	6.0	7.0	8.5	7.5	8.0	12.0	11.0	11.5
4	6.5	5.5	6.0	7.0	6.0	6.5	8.5	8.0	8.0	13.5	11.0	12.0
5	6.5	5.5	6.0	7.0	6.0	6.5	9.5	7.5	8.5	13.0	11.0	12.0
6	6.5	5.0	5.5	7.5	6.0	6.5	9.5	7.5	8.0	14.0	11.0	12.0
7	7.0	4.5	5.5	8.0	6.0	6.5	10.0	7.0	8.5	14.0	11.0	12.0
8	7.5	4.5	5.5	7.0	3.5	6.0	9.5	7.0	8.5	13.5	11.5	12.0
9	7.5	4.5	5.5	8.0	5.5	7.0	9.0	7.5	8.5	13.0	11.5	12.0
10	8.0	5.0	6.0	7.0	5.5	6.0	10.0	7.5	8.5	13.5	12.0	12.5
11	6.5	4.5	5.5	6.5	5.0	5.5	12.0	7.5	9.0	13.5	12.5	13.0
12	5.5	4.0	5.0	6.0	4.5	5.0	11.0	7.0	9.0	15.0	12.0	13.0
13	6.5	4.5	5.5	6.5	5.0	6.0	11.5	8.0	9.5	15.5	11.5	13.0
14	6.0	4.5	5.0	6.0	5.0	5.5	11.5	8.5	9.5	16.0	12.0	13.0
15	6.0	4.0	5.0	6.0	5.0	5.5	10.5	9.0	9.5	16.5	12.0	13.5
16	7.0	4.5	5.5	7.0	4.5	5.5	12.0	8.5	9.5	16.5	12.0	14.0
17	6.0	1.5	5.0	8.0	4.5	5.5	10.0	8.5	9.5	17.5	13.0	14.5
18	5.5	3.0	4.5	6.0	4.5	5.5	11.5	8.0	9.5	17.0	13.0	14.5
19	6.0	4.5	5.5	6.0	3.0	5.0	10.0	8.5	9.5	21.5	12.5	15.0
20	6.5	5.5	6.0	6.5	5.5	6.0	11.0	8.0	9.5	18.5	13.5	15.5
21	6.5	6.0	6.0	6.0	5.0	5.5	12.5	8.5	10.0	14.0	13.0	13.5
22	6.5	5.5	6.0	6.0	5.5	5.5	12.5	9.0	10.0	15.5	12.0	13.5
23	7.0	6.0	6.5	6.0	4.5	5.5	12.0	8.5	10.0	17.5	11.5	13.5
24	6.5	4.0	5.5	6.5	4.5	5.5	12.0	9.0	10.0	17.5	11.5	14.0
25	7.0	4.5	5.5	7.0	2.5	5.0	12.0	9.0	10.0	16.5	13.5	14.5
26	7.5	5.0	6.0	10.0	3.5	6.5	10.5	8.5	9.5	17.5	13.5	15.0
27	7.0	5.5	6.5	8.5	7.0	7.5	11.0	7.5	9.0	17.0	13.0	14.5
28	7.5	4.5	6.0	10.0	7.0	8.5	13.0	8.0	10.0	---	---	---
29	---	---	---	8.5	7.0	8.0	12.0	8.5	10.0	---	---	---
30	---	---	---	9.0	7.0	8.5	12.5	10.0	11.0	17.0	14.5	15.5
31	---	---	---	9.5	7.5	8.5	---	---	---	21.0	14.5	16.0
MONTH	8.0	1.5	5.7	10.0	2.5	6.3	13.0	7.0	9.2	---	---	---

0423204140 MILL CREEK TRIBUTARY (SITE A)-MILL ROAD NEAR BUSHNELL BASIN, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998--Continued

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

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	18.0	15.5	17.0	---	---	---	---	---	---	---	---	---
9	17.5	17.0	17.5	---	---	---	---	---	---	---	---	---
10	17.5	17.0	17.0	---	---	---	---	---	---	---	---	---
11	18.0	16.0	17.0	---	---	---	---	---	---	---	---	---
12	17.0	15.0	16.0	---	---	---	---	---	---	---	---	---
13	17.5	15.0	16.5	---	---	---	---	---	---	---	---	---
14	16.5	15.0	15.5	---	---	---	---	---	---	---	---	---
15	16.0	14.0	15.0	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	9.0	7.5	8.5	5.5	3.5	4.5
18	---	---	---	---	---	---	---	---	---	5.5	2.5	4.0
19	---	---	---	---	---	---	---	---	---	6.0	4.5	5.5
20	---	---	---	---	---	---	---	---	---	6.5	5.5	6.0
21	---	---	---	---	---	---	---	---	---	6.5	5.0	5.5
22	---	---	---	---	---	---	9.5	4.5	7.5	6.0	2.5	4.5
23	---	---	---	---	---	---	---	---	---	3.5	1.5	2.5
24	---	---	---	---	---	---	---	---	---	4.5	2.0	3.5
25	---	---	---	---	---	---	---	---	---	5.5	4.5	5.0
26	---	---	---	---	---	---	---	---	---	6.0	5.5	6.0
27	---	---	---	---	---	---	---	---	---	6.5	5.0	6.0
28	---	---	---	---	---	---	---	---	---	6.0	5.5	6.0
29	---	---	---	---	---	---	---	---	---	6.0	5.5	5.5
30	---	---	---	---	---	---	---	---	---	6.0	4.5	5.5
31	---	---	---	---	---	---	---	---	---	6.0	3.5	4.5
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

0423204140 MILL CREEK TRIBUTARY (SITE A)-MILL ROAD NEAR BUSHNELL BASIN, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	6.0	3.5	5.0	6.5	5.0	6.0	8.5	7.0	8.0	12.5	8.0	10.0
2	4.5	2.5	4.0	8.0	5.0	6.0	9.0	7.0	8.0	12.5	8.5	10.5
3	5.5	4.0	4.5	6.0	2.5	5.0	9.0	7.5	8.0	13.0	9.5	11.0
4	5.5	4.5	5.0	4.5	3.0	4.0	13.0	7.0	8.5	13.0	10.0	11.0
5	6.0	4.5	5.5	5.5	4.5	5.0	10.5	6.5	8.0	14.0	11.0	11.0
6	6.0	5.5	6.0	5.5	4.5	5.0	10.5	6.0	8.5	13.0	10.5	11.5
7	6.0	5.5	6.0	6.0	4.5	5.0	10.5	7.5	9.0	20.5	11.0	12.5
8	6.0	5.0	5.5	6.5	4.0	5.0	12.0	6.0	9.0	15.0	11.0	13.0
9	6.5	5.0	6.0	5.5	4.5	5.0	8.5	7.0	8.0	13.5	11.0	12.5
10	7.0	5.5	6.0	6.5	4.5	5.0	9.5	7.0	8.0	15.0	10.0	12.0
11	7.5	5.5	6.0	6.0	4.5	5.0	8.0	4.0	7.0	15.0	10.0	12.0
12	6.5	5.5	6.0	6.0	4.5	5.0	11.0	6.0	8.5	15.0	9.5	11.5
13	6.0	4.5	5.0	7.0	4.5	5.5	10.5	7.0	8.5	15.5	9.0	11.5
14	7.0	4.5	5.0	6.5	5.0	5.5	10.5	7.0	8.5	---	---	---
15	7.5	4.5	5.5	6.5	5.0	5.5	10.5	7.0	8.5	15.0	10.5	12.0
16	8.0	5.0	6.0	6.5	4.5	5.5	10.5	8.0	8.5	16.0	11.0	13.0
17	7.0	6.0	6.5	6.0	3.5	4.5	9.5	8.0	9.0	16.5	11.5	13.5
18	6.5	5.5	6.0	4.0	2.5	3.0	11.0	8.0	9.0	16.0	12.5	14.0
19	6.0	5.0	5.5	5.0	3.5	4.5	9.5	7.5	9.0	15.5	12.5	13.5
20	6.5	5.0	5.5	7.0	4.0	5.0	10.5	7.0	8.5	17.5	10.5	13.5
21	6.0	4.0	5.0	6.0	2.5	4.5	11.5	7.5	9.0	16.5	11.0	13.0
22	6.0	2.5	4.0	5.5	2.5	4.5	11.0	9.0	9.5	15.0	11.5	13.5
23	5.0	2.5	3.5	7.5	4.5	5.5	10.0	7.5	9.5	16.0	13.0	14.0
24	6.5	3.5	4.5	7.5	5.0	6.0	11.5	7.5	9.0	17.0	13.0	14.5
25	7.0	4.0	5.0	7.5	5.5	6.0	11.5	7.5	9.5	14.5	11.5	13.0
26	8.0	4.5	5.5	8.0	5.5	6.5	12.5	8.5	10.0	14.5	12.0	13.0
27	8.0	4.5	5.5	8.0	5.5	6.5	12.0	7.5	9.5	18.0	11.0	14.0
28	6.5	5.5	6.0	8.0	5.5	6.5	12.5	7.5	9.5	19.0	11.5	14.5
29	---	---	---	8.0	6.0	7.0	12.0	7.5	9.5	19.5	12.5	15.0
30	---	---	---	8.5	6.5	7.5	12.5	8.0	9.5	20.5	13.0	15.5
31	---	---	---	8.5	7.0	7.5	---	---	---	19.0	12.5	15.0
MONTH	8.0	2.5	5.3	8.5	2.5	5.4	13.0	4.0	8.8	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	17.0	14.0	15.0	24.0	15.5	19.0	---	---	---	22.5	17.0	19.5
2	18.5	14.5	16.0	23.0	18.5	20.5	---	---	---	22.0	18.0	20.0
3	16.5	14.0	15.5	23.0	17.0	20.0	---	---	---	21.5	18.5	20.0
4	20.5	11.0	15.5	25.5	18.5	21.5	---	---	---	22.5	18.0	20.5
5	19.5	11.0	15.5	---	---	---	---	---	---	22.0	20.0	21.0
6	20.0	15.0	16.5	---	---	---	---	---	---	22.0	19.5	21.0
7	20.0	15.5	17.0	---	---	---	---	---	---	23.5	19.5	21.0
8	20.0	15.0	17.0	---	---	---	---	---	---	23.0	20.0	21.0
9	---	---	---	---	---	---	---	---	---	21.0	19.0	20.5
10	---	---	---	---	---	---	---	---	---	22.0	18.5	20.5
11	---	---	---	---	---	---	---	---	---	21.0	17.5	19.5
12	---	---	---	---	---	---	---	---	---	21.5	18.0	19.5
13	---	---	---	---	---	---	---	---	---	21.5	18.0	20.0
14	---	---	---	---	---	---	---	---	---	21.0	18.5	20.5
15	---	---	---	---	---	---	---	---	---	20.5	17.5	19.0
16	---	---	---	---	---	---	---	---	---	19.5	15.5	18.0
17	---	---	---	---	---	---	---	---	---	20.0	16.5	19.0
18	---	---	---	---	---	---	---	---	---	20.0	17.5	19.0
19	---	---	---	---	---	---	---	---	---	20.5	16.5	19.0
20	---	---	---	---	---	---	---	---	---	21.0	16.5	19.0
21	---	---	---	---	---	---	---	---	---	19.0	16.5	18.0
22	---	---	---	---	---	---	---	---	---	18.5	16.5	17.5
23	---	---	---	---	---	---	---	---	---	20.0	16.5	18.0
24	---	---	---	---	---	---	22.0	18.5	20.0	19.0	16.5	18.0
25	---	---	---	---	---	---	22.0	19.0	20.5	18.5	16.5	18.0
26	---	---	---	---	---	---	23.5	20.0	21.0	20.0	15.5	17.5
27	27.2	17.8	20.7	---	---	---	22.5	19.0	20.5	21.0	18.0	19.0
28	24.5	18.5	20.0	---	---	---	22.0	19.0	20.5	---	---	---
29	22.0	17.0	19.5	---	---	---	20.5	19.0	19.5	---	---	---
30	20.5	15.0	17.5	---	---	---	21.0	18.0	19.0	20.0	15.5	17.5
31	---	---	---	---	---	---	21.0	17.0	19.0	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

0423204140 MILL CREEK TRIBUTARY (SITE A)-MILL ROAD NEAR BUSHNELL BASIN, 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	---	---	---	---	---	---	11.0	8.0	9.5	8.0	6.5	7.0
2	---	---	---	---	---	---	11.5	8.0	9.5	9.0	7.0	8.0
3	---	---	---	---	---	---	12.0	9.0	11.0	9.0	3.5	7.5
4	16.0	10.5	15.5	---	---	---	13.0	11.5	12.5	10.5	5.5	8.0
5	---	---	---	---	---	---	13.0	12.0	13.0	8.0	7.0	7.5
6	---	---	---	---	---	---	13.0	11.5	12.5	8.5	7.5	8.0
7	---	---	---	---	---	---	11.5	10.0	11.0	8.5	7.5	8.0
8	---	---	---	---	---	---	10.5	9.0	10.0	8.5	7.0	7.5
9	---	---	---	---	---	---	---	---	---	8.5	6.5	8.0
10	---	---	---	---	---	---	---	---	---	8.5	5.5	7.5
11	---	---	---	---	---	---	10.5	9.5	10.0	8.0	7.5	8.0
12	---	---	---	---	---	---	10.5	9.5	10.0	7.5	7.0	7.5
13	---	---	---	---	---	---	11.0	10.0	10.5	7.0	5.0	6.0
14	16.5	11.0	15.0	---	---	---	10.5	6.0	9.5	5.5	4.5	5.0
15	---	---	---	---	---	---	10.5	4.5	8.5	6.0	4.5	5.5
16	---	---	---	---	---	---	11.0	5.5	9.5	7.0	4.5	6.0
17	---	---	---	---	---	---	11.0	10.0	10.5	4.5	3.5	4.0
18	16.0	12.0	15.0	---	---	---	10.5	9.5	9.5	4.5	3.5	4.0
19	15.5	14.0	14.5	---	---	---	10.5	8.5	9.5	5.5	4.0	4.5
20	---	---	---	---	---	---	11.5	10.0	11.0	6.0	4.0	5.0
21	---	---	---	---	---	---	10.5	9.0	9.5	4.0	3.0	3.5
22	---	---	---	---	---	---	9.0	8.0	8.5	3.0	2.0	2.5
23	---	---	---	---	---	---	8.5	6.5	7.5	4.5	2.0	3.5
24	---	---	---	---	---	---	7.5	6.0	6.5	4.5	2.5	4.0
25	---	---	---	---	---	---	7.5	6.0	6.5	4.0	2.5	3.0
26	---	---	---	12.5	8.0	11.0	8.0	6.5	7.0	4.0	3.0	3.5
27	---	---	---	13.5	12.0	12.5	7.0	5.0	6.5	3.0	1.5	2.0
28	---	---	---	12.0	10.5	11.5	6.0	4.5	5.0	2.5	1.5	2.0
29	---	---	---	11.5	9.5	10.5	7.0	5.5	6.0	4.0	1.5	2.5
30	---	---	---	11.5	9.0	10.5	8.0	6.0	7.5	5.0	1.5	3.5
31	---	---	---	---	---	---	7.0	5.5	6.0	5.0	4.0	4.5
MONTH	---	---	---	---	---	---	---	---	---	10.5	1.5	5.4

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	5.0	3.5	4.0	8.0	6.5	7.0	---	---	---	12.5	8.5	10.5
2	4.0	2.5	3.5	7.0	5.5	6.5	---	---	---	14.5	10.0	11.5
3	4.5	3.0	4.0	7.0	5.5	6.5	11.5	6.5	9.0	14.5	9.0	11.5
4	5.0	3.5	4.0	8.0	6.0	6.5	10.5	8.0	9.5	13.0	9.5	11.5
5	4.5	3.0	4.0	8.0	6.5	7.0	9.5	6.5	8.0	16.0	10.0	12.5
6	5.0	3.0	4.0	9.0	6.0	7.5	10.0	6.5	8.5	14.0	11.5	12.5
7	5.5	3.0	4.5	8.5	6.0	7.5	10.5	7.0	9.0	15.0	11.0	12.5
8	4.5	2.5	3.5	9.5	7.0	8.0	8.5	7.0	8.0	14.0	11.5	12.5
9	6.0	3.0	4.5	13.0	7.5	8.5	9.0	7.5	8.0	---	---	---
10	6.0	5.5	5.5	8.0	7.0	7.0	8.5	7.5	8.0	17.0	12.0	14.0
11	5.5	4.0	5.0	7.0	6.5	7.0	9.0	7.0	8.0	15.0	11.5	13.0
12	5.5	3.5	4.5	7.0	6.5	6.5	8.5	7.5	8.0	17.0	12.5	14.5
13	5.5	3.5	4.5	7.5	6.5	6.5	10.5	7.5	8.5	19.0	13.0	15.5
14	5.5	4.5	5.0	7.5	6.5	7.0	11.0	8.0	9.0	13.5	12.5	13.0
15	5.5	4.0	4.5	8.0	6.5	7.5	11.5	9.0	10.0	14.0	12.0	12.5
16	5.5	4.5	5.0	8.0	6.5	7.0	9.5	9.0	9.5	13.5	11.0	12.5
17	5.5	4.0	5.0	7.0	6.5	6.5	---	---	---	14.5	12.0	13.0
18	5.5	4.0	5.0	7.5	6.0	6.5	10.0	8.0	9.5	17.5	13.0	14.0
19	5.5	4.5	5.0	8.5	6.5	7.5	10.5	9.0	9.5	13.0	12.5	12.5
20	5.5	4.5	5.0	9.0	7.5	8.0	11.5	9.5	10.0	13.0	12.5	12.5
21	6.0	5.0	5.5	8.5	7.5	8.0	11.5	10.5	10.5	13.0	12.0	12.5
22	6.5	4.5	5.0	8.5	7.5	8.0	10.5	9.5	10.0	13.5	12.0	13.0
23	4.5	2.5	3.5	9.0	7.5	8.0	10.0	9.0	9.5	17.5	12.0	13.5
24	7.5	3.5	5.0	9.0	7.5	8.0	11.5	9.0	10.0	18.0	13.5	14.0
25	6.5	4.0	5.5	11.0	8.0	9.0	12.0	9.0	10.0	14.0	12.0	13.5
26	9.0	5.5	7.0	10.0	7.0	8.0	12.0	8.5	10.0	14.5	12.0	13.0
27	8.5	6.0	7.5	8.5	7.0	7.5	11.0	9.0	10.0	16.0	12.0	13.5
28	7.0	6.5	7.0	10.0	7.0	8.0	13.0	7.5	10.5	14.5	12.5	13.0
29	8.0	6.0	7.0	7.5	7.0	7.5	13.0	8.5	10.5	14.5	12.5	13.5
30	---	---	---	---	---	---	13.0	9.5	10.5	16.0	12.5	14.0
31	---	---	---	---	---	---	---	---	---	16.0	13.0	14.0
MONTH	9.0	2.5	4.9	---	---	---	---	---	---	---	---	---

0423204140 MILL CREEK TRIBUTARY (SITE A)-MILL ROAD NEAR BUSHNELL BASIN, NY--Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	16.0	13.0	14.0	19.0	15.5	17.0	25.0	20.5	21.5	---	---	---
2	15.0	13.5	14.0	19.0	15.5	17.0	---	---	---	---	---	---
3	17.0	12.5	14.5	22.0	16.5	18.0	---	---	---	---	---	---
4	15.0	12.0	13.0	18.5	17.0	17.5	21.0	18.5	19.5	---	---	---
5	14.5	12.5	13.5	20.0	16.0	17.5	---	---	---	---	---	---
6	14.5	13.0	14.0	18.5	15.0	16.5	---	---	---	---	---	---
7	16.0	12.0	13.5	19.0	15.5	17.0	---	---	---	---	---	---
8	16.0	12.0	14.0	19.5	15.0	17.0	---	---	---	---	---	---
9	16.5	13.0	14.5	18.5	15.5	17.0	---	---	---	---	---	---
10	18.0	13.0	15.0	19.0	16.5	18.0	---	---	---	---	---	---
11	20.5	13.5	16.0	20.0	16.5	18.0	---	---	---	---	---	---
12	15.5	13.5	14.5	19.5	16.0	17.5	---	---	---	---	---	---
13	18.5	14.0	15.5	18.5	16.0	17.5	---	---	---	---	---	---
14	16.5	15.0	15.5	21.5	17.0	18.5	---	---	---	---	---	---
15	23.0	14.5	16.0	21.5	18.0	19.0	---	---	---	---	---	---
16	17.0	14.5	15.5	23.0	18.0	19.0	---	---	---	---	---	---
17	18.5	15.0	16.0	---	---	---	21.5	18.0	19.5	---	---	---
18	15.5	14.0	15.0	---	---	---	21.0	18.0	19.5	---	---	---
19	17.0	13.5	15.0	---	---	---	---	---	---	---	---	---
20	17.0	14.5	15.5	---	---	---	---	---	---	---	---	---
21	23.5	15.0	16.5	---	---	---	---	---	---	---	---	---
22	18.0	15.5	16.5	---	---	---	---	---	---	---	---	---
23	17.5	15.0	16.0	---	---	---	---	---	---	20.5	15.0	18.5
24	---	---	---	---	---	---	21.0	19.5	20.5	20.0	18.5	19.0
25	---	---	---	---	---	---	21.5	18.5	20.0	18.5	16.5	17.5
26	27.5	16.5	21.0	---	---	---	---	---	---	19.0	13.5	17.0
27	22.0	16.5	18.0	---	---	---	---	---	---	20.5	14.0	17.5
28	18.0	15.0	16.5	---	---	---	---	---	---	19.5	13.5	16.5
29	19.0	15.5	17.0	---	---	---	---	---	---	17.0	11.0	15.0
30	18.5	16.0	17.0	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

0423204140 MILL CREEK TRIBUTARY (SITE A)-MILL ROAD NEAR BUSHNELL BASIN, NY--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	ENDING TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	TUR-BID-ITY (NTU) (00076)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	RESIDUE VOLA-TILE, SUS-PENDED (MG/L) (00535)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
JAN										
20...	0825	--	--	20	36	7	.04	.50	.45	.100
AUG										
03-03	1552	1754	1.8	53	65	8	.29	.68	.65	.140
31-31	1625	1639	21	80	--	--	.82	2.0	.79	.600
31-31	1647	1746	2.1	160	--	--	.83	2.6	1.2	1.00
SEP										
22-22	1046	1240	.76	4.3	12	<11	.16	.46	.55	.095

DATE	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)
JAN									
20...	.046	--	23	14	--	--	--	--	--
AUG									
03-03	.068	--	6	13	--	--	--	--	--
31-31	.255	--	6	12	--	--	--	--	--
31-31	.650	--	7	17	--	--	--	--	--
SEP									
22-22	.040	--	5	--	--	--	--	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	ENDING TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	TUR-BID-ITY (NTU) (00076)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	RESIDUE VOLA-TILE, SUS-PENDED (MG/L) (00535)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT										
20-21	2355	0338	2.6	1.6	20	<5	.03	.45	.37	.210
JAN										
18-18	1109	1357	2.0	11	16	<5	.04	.99	3.1	.170
18-18	1411	1750	1.3	9.9	13	<5	.02	.70	3.1	.160
FEB										
20-21	1613	0053	1.6	24	60	11	.17	.73	.92	.300
MAR										
20-20	1050	1620	.53	7.6	--	--	.11	.48	1.6	.065
20-20	1650	2220	.61	11	--	--	.06	.68	2.1	.140
20-21	2250	0420	.34	9.7	--	--	.04	.93	2.5	.140
21-21	0450	1020	.31	7.6	--	--	.02	.67	2.8	.100
APR										
12-13	1901	0346	1.1	--	83	14	.18	.77	.78	.170
13-13	1216	1313	2.1	--	158	19	.43	1.6	1.2	.270
13-13	1430	1517	4.6	--	104	13	.28	2.0	1.5	.310
22-23	1412	1303	1.0	--	216	38	.55	1.8	1.0	.250
30-30	1017	1202	1.4	110	300	42	.21	2.1	.74	.690
30-30	1303	1608	.88	24	36	<6	.06	1.8	1.1	.150
MAY										
10-10	1650	1713	3.4	40	269	41	.33	1.2	.65	.280
11-11	1109	1421	1.6	45	172	22	.06	1.2	.71	.210
11-11	1434	1918	1.2	37	87	11	.04	.98	.84	.200
11-11	1942	2229	1.8	27	70	10	.02	.85	.92	.170
11-12	2245	0039	2.1	40	85	11	.02	1.1	.92	.180
JUL										
03-03	0857	1025	2.4	28	64	11	.30	.63	.65	.030
30-30	0231	0313	2.4	15	31	8	.26	.90	.85	.075
AUG										
02-02	1442	1505	6.8	28	164	23	.30	.93	.70	.235
02-02	1509	1540	3.3	22	71	9	.19	1.2	.61	.265
SEP										
13-13	0850	0946	3.6	14	72	11	.05	.13	.27	.120
13-13	0954	1058	3.3	8.6	45	14	.04	.33	.47	.160
13-13	1105	1424	1.5	7.7	15	3	.08	.90	.93	.250

0423204140 MILL CREEK TRIBUTARY (SITE A)-MILL ROAD NEAR BUSHNELL BASIN, NY--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996--Continued

DATE	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)
OCT									
20-21	.140	--	7	11	--	--	--	--	--
JAN									
18-18	.115	--	241	42	--	--	--	--	--
18-18	.105	--	268	53	--	--	--	--	--
FEB									
20-21	.180	--	204	18	--	--	--	--	--
MAR									
20-20	.033	--	268	40	--	--	--	--	--
20-20	.073	--	162	32	--	--	--	--	--
20-21	.085	--	203	44	--	--	--	--	--
21-21	.069	--	250	48	--	--	--	--	--
APR									
12-13	.065	6.30	38	16	--	7.0	--	40	--
13-13	.067	5.20	29	16	--	7.0	--	40	--
13-13	.150	9.80	26	15	--	5.0	--	30	--
22-23	.041	6.10	12	15	--	16.0	--	60	98.0
30-30	.048	9.40	14	12	--	13.0	--	140	86.0
30-30	.048	9.10	20	17	--	<5.0	--	60	208
MAY									
10-10	.012	5.80	9	10	--	9.0	--	95	71.0
11-11	.034	8.50	14	14	--	5.0	--	60	56.0
11-11	.040	9.30	18	18	--	<5.0	--	60	205
11-11	.040	7.50	18	18	--	<5.0	--	60	210
11-12	.045	7.70	16	18	--	<5.0	--	60	190
JUL									
03-03	.026	--	5	9	--	--	--	--	--
30-30	.039	4.80	8	15	--	<5.0	--	90	49.0
AUG									
02-02	.049	3.60	3	8	--	6.0	--	110	25.0
02-02	--	6.50	6	10	--	<5.0	--	55	94.0
SEP									
13-13	.034	2.30	4	--	--	<5.0	--	85	38.0
13-13	.100	3.30	4	--	--	<5.0	--	55	53.0
13-13	.185	7.10	7	--	--	<5.0	--	100	102

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	ENDING TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	TUR-BID-ITY (NTU) (00076)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	RESIDUE VOLA-TILE, SUS-PENDED (MG/L) (00535)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT										
10-10	0011	0718	1.1	11	33	7	.12	.31	.45	.140
DEC										
13-13	0345	0803	1.4	37	115	16	.03	.63	.92	.210
13-13	0825	1353	1.3	34	54	9	.02	.78	1.1	.240
MAY										
19-19	0356	0421	1.4	32	93	17	.24	.99	.46	.510
19-19	1732	1740	5.7	80	311	36	.12	.79	.19	.410
19-19	1746	1800	3.7	65	272	24	.11	.32	.35	.310
19-19	1846	1939	2.1	30	65	10	1.2	3.2	5.2	.220
JUN										
16-16	2023	2208	1.2	31	133	33	.82	1.3	1.0	.280
20-20	0609	0628	5.6	24	56	10	.41	.67	.66	.140
24-24	0709	0732	3.4	11	70	10	.29	.56	.46	.140
24-24	0907	0921	2.0	6.1	20	<12	.14	.45	.61	.080
26-26	0231	0242	7.6	21	62	11	.39	1.0	.57	.190
JUL										
15...	1523	--	2.0	5.8	--	--	.31	.95	.65	.140
AUG										
16-16	0008	0029	5.1	14	77	14	.19	.51	.41	.140
16-16	0034	0138	1.5	18	62	14	.24	.77	.56	.230
20...	2209	--	1.6	2.7	--	--	.05	<.01	.43	.045
SEP										
29-29	0046	0202	1.9	3.5	9	<6	.03	.19	.19	.055
29-29	0207	0319	3.6	6.2	26	6	.04	.29	.25	.120

0423204140 MILL CREEK TRIBUTARY (SITE A)-MILL ROAD NEAR BUSHNELL BASIN, NY--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997--Continued

DATE	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)
OCT									
10-10	.056	3.20	3	9	--	<5.0	--	55	--
DEC									
13-13	.054	6.90	27	14	--	14.0	--	55	--
13-13	.090	8.20	37	18	--	14.0	--	78	--
MAY									
19-19	.097	4.62	10	--	<2.5	<2.5	10	70	55.0
19-19	.015	5.32	2	--	<2.5	6.0	<5	165	32.5
19-19	.025	6.32	6	--	<2.5	4.0	10	100	61.0
19-19	.053	10.2	24	--	<2.5	<2.5	15	60	132
JUN									
16-16	.019	9.97	5	12	<5.0	8.0	20	95	--
20-20	.020	3.14	1	4	<5.0	8.0	15	65	--
24-24	.030	3.02	3	4	<5.0	8.0	20	55	--
24-24	.031	3.43	6	9	<5.0	<5.0	15	35	--
26-26	.034	5.82	3	--	<5.0	6.0	10	100	48.0
JUL									
15...	.036	8.44	4	5	3.0	5.0	30	100	--
AUG									
16-16	.016	2.13	1	--	<2.5	5.0	10	90	--
16-16	.070	3.66	5	--	<2.5	4.0	15	70	--
20...	.022	--	2	--	<2.5	<2.5	10	30	--
SEP									
29-29	.027	1.59	2	--	<2.5	<2.5	15	25	28.0
29-29	.054	3.28	3	--	<2.5	<2.5	15	55	40.0

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	ENDING TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	TUR-BID-ITY (NTU) (00076)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	RESIDUE VOLA-TILE, SUS-PENDED (MG/L) (00535)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
MAR										
08-08	1355	1531	1.5	31	108	16	.04	.46	.49	.150
08-08	1543	1630	2.9	60	197	20	.02	.92	.40	N
08-08	1639	1807	2.0	52	60	10	.03	.82	.63	.255
19-19	1200	1308	4.1	50	283	44	.08	1.5	.82	.350
19-19	1314	1429	2.8	60	156	21	.03	.78	.94	.320
MAY										
31...	1527	--	3.5	--	--	--	.66	1.6	.70	.230
31-31	1755	1836	1.9	--	--	--	.47	.96	.66	.160

DATE	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)
MAR									
08-08	.021	3.37	21	10	<2.5	<2.5	10	5	127
08-08	.047	7.82	17	9	<2.5	6.0	10	25	131
08-08	.067	8.33	28	13	<2.5	6.0	10	60	132
19-19	.025	8.56	26	11	<2.5	13.0	<5	110	82.0
19-19	.052	8.78	44	13	<2.5	6.0	5	55	106
MAY									
31...	.029	--	3	--	<2.5	8.0	15	130	--
31-31	.031	--	4	--	<2.5	4.0	10	80	--

N Presumptive evidence of presence of material.

0423204140 MILL CREEK TRIBUTARY (SITE A)-MILL ROAD NEAR BUSHNELL BASIN, NY--Continued

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

DATE	TIME	ENDING TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	TUR-BID-ITY (NTU) (00076)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	RESIDUE VOLA-TILE, SUS-PENDED (MG/L) (00535)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
DEC										
21-22	1435	0212	.69	15	50	22	.07	.54	.33	.180
JUN										
25...	0908	--	3.1	--	--	--	.35	1.1	.75	.240
27-27	1714	1745	2.9	--	--	--	.26	.67	.56	.200
29-29	0705	0719	3.9	33	116	25	.20	.58	.38	.240
JUL										
31-31	1752	1829	2.8	27	--	--	.95	2.7	1.1	.430
AUG										
04-04	2212	2221	7.3	--	219	30	.23	.79	.45	.430
11...	0145	--	2.3	--	--	--	.09	.43	.58	.220
20-20	0635	0814	2.1	20	63	18	.12	.30	.42	.140
20-20	0818	0847	3.8	30	79	15	.09	.28	.33	.150
20-20	0853	0929	2.1	19	43	9	.08	.33	.61	.150
SEP										
07...	0240	--	.85	18	--	--	.40	1.2	.37	.200
07-07	0432	0501	1.7	41	181	20	.05	.14	.26	.190
07-07	0514	0534	2.5	36	132	10	.03	.17	.30	.140
07...	0715	--	1.9	16	--	--	.04	.12	.38	.070
08-08	0100	0105	--	38	159	17	.07	.29	.17	.200
16-16	1213	1342	1.0	6.0	13	<5	.10	.51	.43	.095
16-16	1742	1823	1.2	4.9	11	<5	.21	.50	1.5	.090
16-16	1850	2031	1.0	5.5	<10	<10	.15	.67	1.5	.120
16-16	2048	2237	1.2	5.5	8	<5	.15	.94	1.9	.150

DATE	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)
DEC									
21-22	.033	8.64	11	--	7.0	17.0	20	100	64.0
JUN									
25...	.012	--	--	--	--	--	--	--	--
27-27	.015	--	--	--	--	--	--	--	--
29-29	.015	5.26	6	6	--	10.0	--	50	40.0
JUL									
31-31	.015	25.5	3	12	--	--	--	--	--
AUG									
04-04	.039	3.11	3	4	1.0	35.0	10	180	53.0
11...	.005	--	3	7	--	--	--	--	--
20-20	.020	2.78	2	4	<2.0	9.0	15	65	27.0
20-20	.027	1.29	2	4	<2.0	8.0	10	50	28.0
20-20	.061	2.80	6	9	<2.0	7.0	15	45	46.0
SEP									
07...	.045	25.2	6	8	<1.0	20.0	10	75	--
07-07	.026	3.58	3	4	<1.0	9.0	10	80	31.0
07-07	.027	1.85	3	5	<1.0	9.0	5	65	36.0
07...	.020	3.40	8	22	<1.0	9.0	5	35	--
08-08	.020	2.01	--	--	<1.0	11.0	10	115	19.0
16-16	.042	2.53	5	7	2.0	8.0	15	35	--
16-16	.047	2.54	8	13	<1.0	12.0	15	30	--
16-16	.074	4.48	13	20	1.0	10.0	20	30	--
16-16	.087	6.79	15	23	<1.0	9.0	15	35	--

0423204140 MILL CREEK TRIBUTARY (SITE A)-MILL ROAD NEAR BUSHNELL BASIN, NY--Continued

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

DATE	TIME	ENDING TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	TUR-BID-ITY (NTU) (00076)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	RESIDUE VOLA-TILE, SUS-PENDED (MG/L) (00535)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT										
13-13	1855	2155	.97	45	150	26	.17	.84	.40	.300
13-14	2347	0156	1.3	28	69	11	.08	.34	.55	.190
14-14	0416	0535	1.2	13	20	<6	.04	.61	.72	.160
JUN										
12-12	1446	1512	.01	110	540	74	.30	3.0	.41	.680
JUL										
16-16	1631	1746	.06	27	78	11	.03	.66	.27	.145
AUG										
17-17	0137	0203	.01	24	77	14	.57	1.8	.79	.240
17-17	0210	0226	.01	39	177	22	.29	2.1	.84	.560
17-17	0631	0956	.01	17	35	18	.30	.68	.64	.150
SEP										
24-24	0201	0452	.54	7.9	26	8	.06	.54	.28	.085
24-24	0905	1030	.06	9.1	24	<6	.06	.68	.49	.170
25-25	0119	0136	.02	12	35	9	.12	.59	.32	.100

DATE	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)
OCT									
13-13	.042	4.53	5	10	<2.0	12.0	5	70	49.0
13-14	.056	3.85	4	7	<2.0	9.0	<5	45	54.0
14-14	.112	6.30	10	17	<2.0	7.0	15	35	114
JUN									
12-12	.021	9.36	6	5	<2.0	18.0	<5	320	--
JUL									
16-16	.032	2.82	6	8	<2.0	11.0	<5	50	38.0
AUG									
17-17	.078	5.94	4	7	<2.0	10.0	10	70	48.0
17-17	.280	11.9	11	12	<2.0	13.0	10	95	87.0
17-17	.047	5.64	5	9	<1.0	11.0	10	50	63.0
SEP									
24-24	.026	2.38	3	5	<2.0	5.0	15	50	54.0
24-24	.096	5.90	6	8	<2.0	8.0	10	35	48.0
25-25	.034	3.47	4	6	<2.0	7.0	5	45	38.0

0423204141 MILL CREEK TRIBUTARY (SITE B)-MILL ROAD NEAR BUSHNELL BASIN, NY

LOCATION.--Lat 43°03'38", long 77°30'12", Monroe County, Hydrologic Unit 04140101, 2.35 mi southeast of Pittsford, 1.85 mi west of Bushnell Basin in Town of Pittsford, 600 ft above confluence with Mill Creek, and 60 ft west of Mill Road.
DRAINAGE AREA.-- 0.060 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1995 to current year.
GAGE.--Water-stage recorder and V-notch weir. Elevation of gage is 485 ft above sea level, from topographic map.
REMARKS.--Records fair.
EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge 3.4 ft^3/s, Jan. 8, 1998; minimum daily discharge, no flow for many days.
EXTREMES FOR CURRENT PERIOD.--July 1995 to September 1995: Maximum daily discharge, 0.53 ft^3/s, July 6; minimum daily discharge, no flow for many days.
Water year 1996: Maximum daily discharge, 2.0 ft^3/s, Oct. 21; minimum daily discharge, no flow many days.
Water year 1997: Maximum daily discharge, 1.6 ft^3/s, Oct. 19; minimum daily discharge, no flow many days.
Water year 1998: Maximum daily discharge, 3.4 ft^3/s, Jan. 8; minimum daily discharge, no flow many days.
Water year 1999: Maximum daily discharge, 1.6 ft^3/s, Jan. 23; minimum daily discharge, no flow many days.
Water year 2000: Maximum daily discharge, 1.9 ft^3/s, May 13; minimum daily discharge, no flow many days.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	.01	.01
2	---	---	---	---	---	---	---	---	---	---	.02	.00
3	---	---	---	---	---	---	---	---	---	---	.24	.00
4	---	---	---	---	---	---	---	---	---	---	.03	.00
5	---	---	---	---	---	---	---	---	---	---	.04	.02
6	---	---	---	---	---	---	---	---	---	.53	.07	.01
7	---	---	---	---	---	---	---	---	---	.07	.02	.05
8	---	---	---	---	---	---	---	---	---	.05	.02	.03
9	---	---	---	---	---	---	---	---	---	.03	.02	.06
10	---	---	---	---	---	---	---	---	---	.02	.02	.01
11	---	---	---	---	---	---	---	---	---	.03	.02	.01
12	---	---	---	---	---	---	---	---	---	.02	.02	.01
13	---	---	---	---	---	---	---	---	---	.02	.02	.03
14	---	---	---	---	---	---	---	---	---	.02	.02	.06
15	---	---	---	---	---	---	---	---	---	.14	.02	.01
16	---	---	---	---	---	---	---	---	---	.02	.02	.01
17	---	---	---	---	---	---	---	---	---	.04	.02	.04
18	---	---	---	---	---	---	---	---	---	.25	.02	.03
19	---	---	---	---	---	---	---	---	---	.03	.02	.01
20	---	---	---	---	---	---	---	---	---	.02	.02	.05
21	---	---	---	---	---	---	---	---	---	.04	.02	.02
22	---	---	---	---	---	---	---	---	---	.02	.02	.15
23	---	---	---	---	---	---	---	---	---	.15	.03	.02
24	---	---	---	---	---	---	---	---	---	.08	.03	.01
25	---	---	---	---	---	---	---	---	---	.03	.03	.01
26	---	---	---	---	---	---	---	---	---	.04	.03	.02
27	---	---	---	---	---	---	---	---	---	.03	.03	.01
28	---	---	---	---	---	---	---	---	---	.06	.03	.01
29	---	---	---	---	---	---	---	---	---	.05	.03	.01
30	---	---	---	---	---	---	---	---	---	.02	.02	.01
31	---	---	---	---	---	---	---	---	---	.01	.33	---
TOTAL	---	---	---	---	---	---	---	---	---	1.82	1.29	0.72
MEAN	---	---	---	---	---	---	---	---	---	.070	.042	.024
MAX	---	---	---	---	---	---	---	---	---	.53	.33	.15
MIN	---	---	---	---	---	---	---	---	---	.01	.01	.00

0423204141 MILL CREEK TRIBUTARY (SITE B)-MILL ROAD NEAR BUSHNELL BASIN, NY--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.01	.04	.15	.08	.07	.10	.07	.20	.06	.08	.07	.01
2	.01	e.10	.07	.07	.06	.10	.06	.13	.05	.07	.35	.01
3	.03	---	.08	.07	.06	.09	.11	.10	.05	.23	.06	.01
4	.07	---	.07	.07	.06	.08	.10	.16	.08	.12	.05	.01
5	.42	---	.06	.06	.06	.08	.08	.11	.06	.06	.06	.00
6	.13	---	.06	.06	.06	.09	.07	.10	.06	.06	.07	.00
7	.20	---	.06	.06	.06	.08	.14	.07	.35	.06	.07	.11
8	.02	---	.05	e.06	.16	.08	.08	.07	.08	.05	.25	.05
9	.02	---	.06	e.06	.10	.08	.07	.08	.17	.06	.05	.01
10	.02	---	.05	.06	.14	.08	.06	.37	.06	.05	.01	.01
11	.02	e.10	.04	e.06	.12	.10	.06	.78	.23	.05	.00	.00
12	.02	.07	.04	e.06	.08	.12	.23	.86	.16	.05	.01	.02
13	.02	.05	.04	.06	.07	.14	1.3	.22	.07	.05	.01	.63
14	.36	.16	.27	.15	.07	.46	.35	.13	.05	.05	.01	.03
15	.10	.32	e.10	.10	.07	.38	.21	.09	.05	.31	.02	.01
16	.05	.22	---	.09	.06	.21	.18	.08	.06	.05	.02	.01
17	.04	.18	---	e.90	.06	.15	.19	.07	.06	.05	.01	.24
18	.03	.20	---	e.90	.06	.13	.11	.06	.06	.08	.01	.06
19	.03	.40	---	1.4	.06	.13	.10	.07	.43	.08	.01	.01
20	.05	.33	---	.25	.70	.46	.20	.09	.27	.05	.01	.01
21	2.0	.53	---	.16	.47	.37	.09	.32	.10	.05	.01	.01
22	.14	.20	---	.14	.19	.24	.27	.06	.44	.05	.01	.07
23	.05	.13	---	.15	.17	.19	.96	.14	.12	.05	.01	.01
24	.03	.09	---	.89	.20	.14	.47	.06	.12	.06	.01	.02
25	.03	.07	---	.21	.14	.20	.24	.05	.09	.14	.01	.01
26	.04	.10	---	.15	.12	.14	.19	.05	.08	.05	.01	.00
27	.04	.10	---	.31	.13	.10	.12	.05	.07	.05	.01	.01
28	.04	.11	---	.15	.22	.10	.11	.05	.07	.05	.01	.17
29	.03	.07	e.07	.12	.12	.09	.17	.05	.28	.05	.01	.02
30	.03	.06	.06	.10	---	.08	.43	.05	.48	.28	.01	.01
31	.03	---	.10	.08	---	.07	---	.05	---	.06	.01	---
TOTAL	4.11	---	---	7.08	3.94	4.86	6.82	4.77	4.31	2.55	1.26	1.57
MEAN	.13	---	---	.23	.14	.16	.23	.15	.14	.082	.041	.052
MAX	2.0	---	---	1.4	.70	.46	1.3	.86	.48	.31	.35	.63
MIN	.01	---	---	.06	.06	.07	.06	.05	.05	.05	.00	.00

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.02	1.5	.04	.04	.07	.30	.02	.33	.01	.01	.00
2	.00	.02	.32	.15	.03	.11	.19	.03	.18	.01	.03	.05
3	.01	.03	.18	.19	.04	.05	.10	.07	.07	.01	.02	.01
4	.00	.01	.17	.07	.29	.05	.06	.02	.03	.10	.02	.00
5	.01	.02	.13	.23	.25	.06	.06	.02	.03	.03	.01	.00
6	.00	.02	.15	.09	.09	.11	.06	.04	.03	.01	.01	.00
7	.00	.04	.08	.06	.07	.08	.04	.01	.03	.01	.00	.00
8	.00	1.1	.08	.04	.04	.07	.04	.01	.02	.11	.00	.00
9	.02	.48	.08	.05	.04	.08	.03	.01	.03	.22	.00	.00
10	.38	.23	.06	.05	.03	.44	.03	.02	.02	.03	.00	.00
11	.03	.09	.06	.04	.03	.34	.02	.02	.02	.01	.00	.29
12	.01	.07	.05	.03	.03	.14	.16	.04	.02	.01	.00	.03
13	.01	.06	.77	.03	.02	.08	.06	.01	.03	.01	.15	.01
14	.02	.05	.15	.03	.03	.74	.03	.02	.03	.02	.01	.00
15	.01	.05	.09	.03	.02	.27	.03	.01	.02	.08	.01	.00
16	.00	.05	.09	.03	.02	.12	.02	.01	.18	.02	.26	.00
17	.00	.05	.10	.02	.03	.15	.04	.02	.12	.01	.02	.03
18	.02	.04	.05	.02	.07	.12	.03	.02	.08	.01	.01	.00
19	1.6	.06	.06	.02	.07	.10	.08	.51	.04	.01	.01	.03
20	.98	.04	.04	.02	.04	.09	.03	.06	.22	.01	.06	.06
21	.35	.03	.03	.02	.06	.22	.02	.03	.03	.06	.06	.00
22	.11	.02	.06	.15	.05	.21	.02	.02	.02	.01	.05	.00
23	.11	.03	.09	.05	.03	.08	.02	.03	.01	.00	.02	.01
24	.08	.02	.09	.03	.03	.06	.02	.03	.32	.00	.00	.00
25	.04	.04	.05	.11	.03	.34	.02	.04	.04	.00	.00	.10
26	.03	.19	.04	.03	.06	.27	.01	.03	.12	.00	.00	.02
27	.02	.08	.05	.03	.73	.10	.03	.02	.03	.02	.00	.00
28	.04	.06	.05	.03	.08	.07	.12	.03	.01	.03	.02	.00
29	.02	.05	.11	.02	---	.14	.02	.03	.01	.01	.00	.99
30	.10	.16	.05	.02	---	.19	.02	.04	.01	.01	.00	.12
31	.03	---	.04	.05	---	.22	---	.13	---	.01	.00	---
TOTAL	4.03	3.21	4.87	1.78	2.35	5.17	1.71	1.40	2.13	0.88	0.78	1.75
MEAN	.13	.11	.16	.057	.084	.17	.057	.045	.071	.028	.025	.058
MAX	1.6	1.1	1.5	.23	.73	.74	.30	.51	.33	.22	.26	.99
MIN	.00	.01	.03	.02	.02	.05	.01	.01	.01	.00	.00	.00

e Estimated

0423204141 MILL CREEK TRIBUTARY (SITE B)-MILL ROAD NEAR BUSHNELL BASIN, NY--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.02	.29	.08	.03	.11	.51	.15	.02	.01	.06	.00	.00
2	.01	.37	.05	.18	.10	.16	.11	.03	.05	.01	.00	.06
3	.01	.09	.05	.22	.09	.11	.09	.03	.01	.00	.00	.01
4	.00	.04	.09	.19	.08	.10	.07	.05	.00	.84	.00	.00
5	.15	.02	.06	.10	.06	.08	.06	.02	.00	.20	.00	.00
6	.01	.02	.06	.24	.05	.07	.05	.02	.00	.03	.00	.00
7	.00	.01	.11	1.6	.04	.06	.05	.01	.00	.47	.00	.33
8	.00	.03	.07	3.4	.04	.46	.14	.02	.00	1.9	.00	.39
9	.00	.02	.06	1.8	.04	.31	.11	.02	.00	1.1	.00	.10
10	.00	.01	.05	.27	.04	.15	.05	.21	.00	.15	.00	.03
11	.00	.01	.07	.15	.05	.10	.04	.27	.00	.09	.01	.01
12	.00	.02	.06	.11	.14	.08	.03	.04	.01	.04	.00	.01
13	.00	.02	.06	.12	.05	.08	.03	.02	.01	.03	.00	.01
14	.00	.02	.06	.06	.04	.11	.03	.01	.01	.03	.00	.01
15	.00	.06	.06	.06	.03	.12	.05	.01	.01	.03	.00	.00
16	.00	.05	.07	.05	.03	.10	.08	.02	.00	.02	.00	.11
17	.00	.04	.05	.05	.36	.11	.04	.01	.01	.02	.21	.01
18	.00	.05	.04	.05	.45	.25	.03	.01	.01	.02	.39	.00
19	.00	.08	.04	.05	.30	.73	.15	.13	.00	.02	.01	.02
20	.00	.08	.09	.04	.15	.24	.25	.01	.00	.01	.00	.18
21	.05	.14	.05	.04	.11	.19	.05	.01	.00	.01	.00	.01
22	.01	.20	.05	.03	.08	.18	.04	.01	.00	.08	.00	.09
23	.00	.14	.20	.19	.06	.22	.03	.01	.00	.07	.00	.05
24	.00	.07	.13	.14	.15	.24	.03	.00	.00	.01	.13	.01
25	.00	.05	.23	.08	.32	.40	.03	.01	.03	.00	.32	.01
26	.08	.14	.11	.06	.15	.70	.03	.01	.94	.00	.38	.00
27	.23	.09	.07	.05	.11	.24	.02	.00	.02	.00	.01	.08
28	.02	.05	.06	.06	.42	.17	.02	.00	.01	.00	.00	.01
29	.00	.04	.05	.21	---	.12	.02	.03	.00	.07	.02	.00
30	.00	.19	.05	.33	---	.09	.02	.00	.10	.00	.00	.00
31	.00	---	.04	.14	---	.07	---	.19	---	.00	.00	---
TOTAL	0.59	2.44	2.32	10.10	3.65	6.55	1.90	1.23	1.23	5.31	1.48	1.54
MEAN	.019	.081	.075	.33	.13	.21	.063	.040	.041	.17	.048	.051
MAX	.23	.37	.23	3.4	.45	.73	.25	.27	.94	1.9	.39	.39
MIN	.00	.01	.04	.03	.03	.06	.02	.00	.00	.00	.00	.00

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	.04	.00	.00	.00	.04	.08	.07	.03	.01	.00	.01	.02
2	.00	.00	.00	.00	.34	.05	.05	.03	.02	.16	.00	.02
3	.00	.00	.00	.02	.28	.38	.05	.02	.01	.01	.00	.01
4	.00	.00	.00	.01	.22	e.20	.18	.02	.00	.00	.16	.01
5	.00	.00	.00	.01	.11	e.11	.05	.02	.00	.00	.03	.02
6	.00	.00	.00	.00	.09	e.06	.07	.02	.00	.01	.00	.02
7	.09	.02	.00	.00	.07	e.05	.04	.09	.00	.00	.00	.25
8	.39	.00	.00	.00	.07	e.05	.05	.15	.00	.00	.06	.19
9	.05	.00	.00	.00	.09	e.04	.04	.06	.00	.00	.00	.03
10	.02	.03	.00	.00	.08	e.04	.04	.02	.00	.05	.02	.17
11	.01	.06	.00	.01	.07	e.04	.15	.02	.00	.00	.09	.01
12	.01	.01	.00	.01	.12	e.04	.11	.02	.00	.00	.00	.01
13	.02	.00	.00	.01	.06	e.04	.04	.02	.00	.00	.00	.03
14	.03	.00	.00	.01	.05	e.05	.04	.02	.04	.00	.00	.03
15	.02	.01	.00	.01	.05	e.07	.03	.02	.01	.00	.00	.02
16	.01	.03	.00	.03	.05	e.12	.17	.02	.00	.00	.00	.44
17	.01	.03	.06	.05	.05	e.40	.05	.02	.00	.00	.00	.10
18	.01	.01	.02	.32	.04	e1.2	.04	.02	.00	.00	.00	.03
19	.01	.00	.02	.10	.04	.45	.03	.01	.00	.00	.00	.02
20	.00	.00	.01	.06	.04	.33	.03	.01	.00	.00	.34	.12
21	.00	.00	.09	.05	.04	.50	.03	.01	.00	.00	.01	.09
22	.00	.00	.16	.29	.03	.52	.21	.01	.00	.00	.00	.03
23	.00	.00	.01	1.6	.02	.30	.22	.01	.00	.00	.00	.02
24	.00	.00	.01	1.1	.03	.32	.06	.16	.00	.00	.00	.02
25	.00	.00	.00	.19	.03	.19	.05	.06	.09	.00	.00	.03
26	.00	.02	.00	.09	.03	.14	.04	.05	.00	.00	.03	.02
27	.00	.00	.00	.07	.03	.12	.04	.01	.16	.00	.05	.02
28	.05	.00	.00	.06	.08	.10	.03	.00	.01	.00	.02	.01
29	.00	.00	.00	.05	---	.08	.03	.00	.13	.00	.01	.00
30	.00	.00	.00	.04	---	.07	.03	.00	.00	.00	.02	.21
31	.00	---	.00	.04	---	.06	---	.00	---	.06	.02	---
TOTAL	0.77	0.22	0.38	4.23	2.25	6.20	2.07	0.95	0.48	0.29	0.87	2.00
MEAN	.025	.007	.012	.14	.080	.20	.069	.031	.016	.009	.028	.067
MAX	.39	.06	.16	1.6	.34	1.2	.22	.16	.16	.16	.34	.44
MIN	.00	.00	.00	.00	.02	.04	.03	.00	.00	.00	.00	.00

e Estimated

0423204141 MILL CREEK TRIBUTARY (SITE B)-MILL ROAD NEAR BUSHNELL BASIN, 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	.00	.00	.04	.02	---	.12	.04	.10	.02	.02	.32	.00
2	.00	.07	.03	.03	---	.14	.10	.08	.02	.02	.03	.00
3	.00	.01	.09	.33	---	.14	.20	.05	.02	.08	.19	.00
4	.15	.01	.05	.28	---	.12	.56	.04	.02	.03	.03	.00
5	.01	.00	.05	.07	---	.09	.16	.07	.08	.02	.02	.00
6	.00	.00	.04	.05	---	.07	.12	.03	.13	---	.03	.00
7	.00	.00	.03	.04	---	.06	.14	.03	.02	---	.16	.00
8	.00	.00	.02	.04	---	.06	1.1	.02	.02	---	.03	.00
9	.00	.00	.02	.08	---	.14	.32	.02	.02	---	.11	.00
10	.00	.08	.19	.12	---	.08	.20	.13	.01	---	.03	.00
11	.01	.02	.05	.04	---	.06	.18	.04	.21	---	.05	.07
12	.00	.00	.03	---	---	.10	.22	.40	.03	---	.07	.18
13	.12	.00	.04	---	---	.14	.12	1.9	1.3	---	.03	.02
14	.33	.00	.09	---	---	.24	.09	.14	.13	---	.02	.09
15	.02	.00	.41	---	---	.17	.07	.07	.19	.31	.02	.08
16	.01	.00	.26	---	---	.19	.06	.05	.05	.09	.66	.01
17	.08	.00	.08	---	---	.21	.06	.04	.09	.02	.03	.01
18	.15	.00	.05	---	---	.15	.05	.21	.06	.04	.03	.00
19	.04	.00	.04	---	---	.18	.04	.07	.04	.01	.02	.00
20	.01	.00	.04	---	---	.13	.45	.07	.03	.01	.01	.00
21	.01	.00	.03	---	---	.09	.66	.05	.17	.09	.01	.05
22	.01	.00	.03	---	---	.08	.38	.04	.03	.01	.00	.01
23	.00	.00	.02	---	---	.07	.30	.11	.03	.01	.34	.62
24	.01	.02	.02	---	---	.06	.16	.12	.03	.01	.01	.25
25	.00	.01	.02	---	.58	.06	.11	.05	.06	.00	.00	.04
26	.00	.58	.02	---	.30	.05	.08	.04	.02	.00	.00	.03
27	.00	.08	.02	---	.31	.06	.08	.04	.16	.00	.00	.03
28	.00	.03	.02	---	.22	.06	.09	.03	.02	.09	.00	.08
29	.00	.07	.02	---	.12	.08	.06	.03	.10	.01	.00	.02
30	.00	.09	.04	---	---	.04	.06	.02	.03	.01	.00	.02
31	.00	---	.02	---	---	.04	---	.02	---	.15	.00	---
TOTAL	0.96	1.07	1.91	---	---	3.28	6.26	4.11	3.14	---	2.25	1.61
MEAN	.031	.036	.062	---	---	.11	.21	.13	.10	---	.073	.054
MAX	.33	.58	.41	---	---	.24	1.1	1.9	1.3	---	.66	.62
MIN	.00	.00	.02	---	---	.04	.04	.02	.01	---	.00	.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	.067	.058	.076	.19	.11	.17	.13	.080	.075	.073	.043	.051
MAX	.13	.11	.16	.33	.14	.21	.23	.15	.14	.17	.073	.067
(WY)	1996	1997	1997	1998	1996	1998	1996	1996	1996	1998	2000	1999
MIN	.019	.007	.012	.057	.080	.11	.057	.031	.016	.009	.025	.024
(WY)	1998	1999	1999	1997	1999	2000	1997	1999	1999	1999	1997	1995

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1995 - 2000	
ANNUAL TOTAL	23.28					
ANNUAL MEAN	.064				.081	
HIGHEST ANNUAL MEAN					.11	1998
LOWEST ANNUAL MEAN					.057	1999
HIGHEST DAILY MEAN	1.6	Jan 23	1.9	May 13	3.4	Jan 8 1998
LOWEST DAILY MEAN	.00	Jan 1	.00	Oct 1	.00	Sep 2 1995
ANNUAL SEVEN-DAY MINIMUM	.00	Jun 4	.00	Oct 25	.00	Sep 4 1997
10 PERCENT EXCEEDS	.16		.21		.21	
50 PERCENT EXCEEDS	.02		.04		.04	
90 PERCENT EXCEEDS	.00		.00		.00	

0423204141 MILL CREEK TRIBUTARY (SITE B)-MILL ROAD NEAR BUSHNELL BASIN, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1995 to current year.
CHEMICAL DATA: 1995-2000 (e).
NUTRIENT DATA: 1995-2000 (e).
PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: July 1995 to current year.
INSTRUMENTATION. --Water-quality monitor since August 1995. Water-temperature sensor since July 1995.
COOPERATION.--Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, N.Y.
EXTREMES FOR CURRENT PERIOD.--
WATER TEMPERATURES: July to September 1995: Maximum recorded, 26.0°C, July 15, Aug. 15; minimum recorded, 10.0°C, Sep. 29.
Water Year 1996: Maximum recorded, 23.5°C, July 25, Aug. 9; minimum, 0.0°C, many days during winter period.
Water Year 1997: Maximum recorded, 19.0°C, Sep. 11, 17; minimum, 0.0°C, many days during winter period.
Water Year 1998: Maximum recorded, 24.0°C, July 8; minimum, 0.0°C, many days during winter period.
Water Year1999: Maximum recorded, 25.0°C, Aug. 27, 28, Sep. 6, 7, 8; minimum 0.0°C, many days during winter period.
Water Year 2000: Maximum recorded, 24.5°C, Aug. 1; minimum 0.0°C, many days during winter period.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

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

0423204141 MILL CREEK TRIBUTARY (SITE B)-MILL ROAD NEAR BUSHNELL BASIN, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	13.5	12.0	13.0	12.0	9.0	10.0	6.5	1.5	5.0	3.0	.5	1.5
2	14.0	13.0	13.5	---	---	---	5.0	2.0	3.5	.5	.0	.5
3	15.0	13.5	13.5	---	---	---	7.0	2.5	4.5	.5	.0	.0
4	15.0	14.0	14.5	---	---	---	6.0	2.5	5.0	.0	.0	.0
5	15.5	14.0	14.5	---	---	---	4.5	1.5	3.0	.0	.0	.0
6	17.5	15.5	16.5	---	---	---	4.5	1.5	2.5	.0	.0	.0
7	17.5	15.5	16.5	---	---	---	2.0	1.0	1.5	.0	.0	.0
8	15.5	13.5	14.5	---	---	---	2.0	1.0	1.0	---	---	---
9	14.5	12.5	13.5	---	---	---	3.0	.5	1.5	---	---	---
10	14.0	11.0	12.5	---	---	---	.5	.0	.5	.5	.0	.0
11	14.5	12.5	13.5	---	---	---	.0	.0	.0	---	---	---
12	15.0	12.5	14.0	8.5	3.5	5.5	.5	.0	.0	---	---	---
13	15.5	13.5	14.5	5.5	3.0	4.5	1.0	.0	.5	.5	.5	.5
14	17.5	14.0	15.5	7.0	5.0	5.5	2.0	.5	1.0	3.0	.5	1.5
15	15.0	11.0	13.0	6.0	4.0	5.0	---	---	---	2.5	.0	.5
16	11.0	9.5	10.5	8.0	5.5	6.5	---	---	---	1.5	.0	.5
17	11.5	8.5	10.0	8.5	4.5	6.0	---	---	---	---	---	---
18	13.5	10.0	12.0	7.0	4.5	6.0	---	---	---	---	---	---
19	13.0	10.5	12.0	7.0	6.0	6.5	---	---	---	8.5	2.0	4.5
20	15.0	11.5	13.0	9.0	6.5	7.5	---	---	---	4.0	1.5	2.5
21	13.5	11.0	12.0	7.5	5.0	6.5	---	---	---	4.0	1.5	2.5
22	13.0	10.5	12.0	7.5	6.0	6.5	---	---	---	4.5	1.0	2.5
23	15.5	10.0	12.5	7.0	4.5	5.5	---	---	---	4.0	3.0	3.5
24	15.0	9.5	12.0	6.5	2.5	4.5	---	---	---	4.0	2.0	2.5
25	11.5	10.0	11.0	5.0	1.5	3.5	---	---	---	3.5	1.0	2.0
26	12.5	8.0	10.5	6.0	4.0	5.0	---	---	---	4.0	1.5	2.5
27	13.5	11.5	12.0	7.5	4.5	6.0	---	---	---	6.0	1.0	3.0
28	13.5	10.5	12.5	7.5	3.5	5.5	---	---	---	2.5	.5	1.5
29	11.0	8.5	10.0	5.0	1.5	3.5	---	---	---	2.5	1.0	1.5
30	10.5	8.0	9.0	4.0	1.5	2.5	1.0	.0	.5	2.5	.5	1.5
31	9.0	7.5	8.5	---	---	---	2.0	1.0	1.5	2.0	.5	1.0
MONTH	17.5	7.5	12.7	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	1.5	.0	.5	3.5	.5	1.5	6.5	3.0	5.0	14.5	7.5	9.5
2	1.0	.0	.5	4.0	.5	2.0	11.5	2.0	5.5	15.0	7.5	11.0
3	1.0	.0	.5	2.0	.0	1.0	7.0	2.5	4.5	13.0	8.0	9.5
4	1.0	.0	.5	2.0	.0	1.0	5.0	3.0	3.5	10.5	7.5	9.0
5	1.0	.0	.5	1.5	.0	1.0	11.5	3.0	5.5	15.5	7.5	10.5
6	1.5	.0	.5	1.5	.5	1.0	12.0	2.0	5.5	16.0	7.5	10.5
7	2.5	.5	1.5	1.0	.0	.5	7.5	2.5	4.5	16.0	6.0	10.0
8	3.0	2.0	2.5	1.0	.0	.5	9.5	2.0	5.0	17.0	7.5	12.0
9	4.5	2.5	3.0	1.0	.0	.5	9.0	1.5	4.5	14.0	10.0	11.5
10	3.5	2.5	3.0	2.5	.0	1.0	8.5	2.0	4.5	19.0	11.5	14.5
11	3.5	1.5	2.5	3.0	.0	1.0	10.0	3.0	6.5	14.0	9.0	11.5
12	1.5	.0	.5	5.5	.0	2.0	7.5	6.0	6.5	12.5	7.5	9.5
13	.5	.0	.5	7.5	.5	3.0	8.0	5.0	6.5	12.5	7.5	9.5
14	2.0	.5	1.0	7.0	2.5	3.5	8.0	5.0	6.5	15.5	6.5	10.5
15	3.0	.0	1.0	5.5	2.5	3.5	13.0	3.5	8.0	16.0	7.0	11.5
16	2.0	.0	.5	7.5	1.0	3.5	8.0	5.5	7.0	13.0	10.0	11.0
17	2.0	.0	.5	8.5	1.0	3.5	9.5	4.5	6.0	19.0	9.5	14.0
18	1.5	.0	.5	11.0	2.5	5.5	16.0	4.0	9.0	21.0	12.0	15.5
19	1.5	.0	1.0	12.0	2.5	6.0	15.5	6.5	10.0	20.0	13.5	16.5
20	3.0	1.0	2.0	5.5	3.0	4.0	15.5	9.0	11.5	21.5	14.5	17.5
21	4.0	1.5	3.0	5.0	2.5	3.5	16.5	8.5	11.5	19.0	13.0	16.0
22	4.0	3.0	3.5	7.0	1.5	3.5	14.5	6.5	11.0	19.0	12.5	15.0
23	6.0	3.0	4.0	6.0	1.5	3.0	11.5	7.5	10.0	18.5	11.5	14.5
24	4.5	2.5	4.0	9.0	1.5	4.5	12.5	6.5	8.5	17.0	10.5	14.0
25	7.5	2.5	4.0	13.0	3.5	7.0	11.5	6.0	9.0	17.5	9.0	13.0
26	7.5	1.5	3.5	7.5	1.0	4.0	13.5	8.0	10.5	15.5	10.5	12.5
27	4.0	1.0	2.5	7.5	1.0	2.5	11.5	5.5	8.0	17.5	10.5	13.5
28	5.5	1.0	3.5	8.0	1.0	3.5	15.0	4.5	9.0	18.0	11.5	14.0
29	2.5	.5	1.0	6.5	2.5	4.5	9.5	7.5	8.5	16.5	11.0	13.0
30	---	---	---	12.5	1.5	6.0	14.5	8.0	10.0	17.5	9.5	13.0
31	---	---	---	14.0	2.0	7.0	---	---	---	19.0	10.0	14.0
MONTH	7.5	.0	1.8	14.0	.0	3.0	16.5	1.5	7.4	21.5	6.0	12.5

0423204141 MILL CREEK TRIBUTARY (SITE B)-MILL ROAD NEAR BUSHNELL BASIN, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	19.0	10.5	14.5	21.0	17.5	19.0	21.0	17.5	19.0	21.0	16.5	18.5
2	19.0	13.0	15.5	20.0	16.0	18.0	23.0	17.5	19.5	21.0	16.0	18.5
3	16.5	14.0	15.0	18.5	16.5	17.5	22.5	18.0	20.0	21.5	16.5	19.0
4	16.5	13.5	15.0	19.5	16.5	17.5	22.5	18.0	20.0	---	---	---
5	18.0	13.5	15.0	20.5	15.5	17.5	22.5	18.5	20.5	---	---	---
6	19.0	12.0	15.5	19.5	16.5	18.0	23.0	19.0	21.0	---	---	---
7	20.5	15.5	17.0	20.0	17.0	18.5	23.0	19.5	21.0	---	---	---
8	18.0	15.0	16.5	21.0	18.0	19.0	22.0	20.5	21.0	21.0	20.0	20.5
9	21.5	14.5	17.0	19.5	16.5	18.0	23.5	19.5	21.0	---	---	---
10	21.0	16.0	18.0	19.5	16.0	17.5	---	---	---	---	---	---
11	21.5	16.5	18.5	20.5	15.5	18.0	---	---	---	---	---	---
12	21.5	16.5	18.0	20.0	16.5	18.5	---	---	---	---	---	---
13	20.0	16.0	17.5	21.0	18.0	19.0	---	---	---	18.5	17.0	18.0
14	21.0	15.5	18.0	20.5	18.5	19.5	---	---	---	17.5	16.0	17.0
15	21.0	16.0	18.0	22.5	18.5	19.5	---	---	---	---	---	---
16	20.5	15.5	17.5	22.0	18.5	19.5	20.0	19.0	19.5	---	---	---
17	19.5	16.0	17.5	22.0	18.5	20.0	---	---	---	---	---	---
18	18.0	16.0	17.0	23.0	18.0	20.0	---	---	---	20.0	17.0	18.0
19	21.5	17.0	18.5	20.5	18.0	19.5	---	---	---	---	---	---
20	22.0	17.5	19.0	21.0	17.0	18.5	---	---	---	---	---	---
21	20.5	17.0	18.5	21.5	17.0	19.0	---	---	---	---	---	---
22	21.0	16.5	18.0	22.0	17.0	19.0	---	---	---	---	---	---
23	19.5	15.5	17.5	21.5	18.0	19.5	22.5	20.0	21.0	16.0	13.0	14.5
24	18.5	16.0	17.0	22.0	17.5	19.5	20.5	19.0	20.0	15.5	12.0	13.5
25	19.5	16.0	17.5	23.5	19.0	20.0	---	---	---	14.0	13.0	13.5
26	19.5	15.0	17.0	21.5	18.0	19.5	---	---	---	---	---	---
27	20.5	15.5	17.5	20.5	17.5	19.0	20.5	19.0	19.5	---	---	---
28	20.5	17.0	18.0	21.0	16.0	18.5	21.0	18.0	19.5	---	---	---
29	21.5	17.0	18.5	22.0	16.0	19.0	---	---	18.0	16.5	14.0	15.5
30	21.5	18.5	20.0	23.0	19.0	20.5	19.5	16.5	---	---	---	---
31	---	---	---	22.0	18.5	20.0	20.0	15.5	18.0	---	---	---
MONTH	22.0	10.5	17.3	23.5	15.5	18.9	---	---	---	---	---	---

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	13.5	6.5	8.0	8.5	3.0	5.5	.5	.0	.0
2	---	---	---	8.0	5.0	6.5	7.0	6.5	6.5	4.5	.5	3.5
3	---	---	---	8.5	5.0	6.5	8.0	6.0	7.0	6.0	4.5	5.5
4	---	---	---	10.0	6.5	8.0	7.5	6.5	7.0	7.5	5.0	6.0
5	---	---	---	10.0	7.0	8.5	7.0	5.5	6.5	9.0	5.0	7.5
6	---	---	---	11.0	6.5	8.5	7.0	6.0	6.5	5.0	1.5	3.0
7	---	---	---	14.5	10.0	12.5	7.0	5.5	6.5	2.5	.5	1.5
8	---	---	---	15.0	9.5	11.5	6.5	5.0	6.0	1.0	.0	.5
9	---	---	---	11.0	9.5	10.0	6.0	3.5	4.5	1.5	.0	.5
10	14.0	12.0	13.0	10.0	8.0	9.0	6.5	3.5	4.5	2.5	.0	1.5
11	12.0	10.0	11.0	9.0	6.5	7.5	5.5	3.5	4.5	.0	.0	.0
12	12.5	9.0	11.0	7.5	5.0	6.0	7.0	5.0	6.0	.0	.0	.0
13	---	---	---	7.0	4.0	5.0	8.0	6.0	7.0	.0	.0	.0
14	---	---	---	6.5	3.5	4.5	7.5	6.0	6.5	.0	.0	.0
15	---	---	---	6.5	2.5	4.0	7.0	5.0	6.0	.5	.0	.0
16	---	---	---	5.5	2.5	3.5	8.0	5.0	6.5	1.5	.0	1.0
17	---	---	---	8.0	3.0	5.0	9.0	6.5	7.5	.0	.0	.0
18	---	---	---	9.5	6.0	8.0	6.5	4.5	6.0	.0	.0	.0
19	14.0	11.5	12.0	8.0	6.0	7.0	4.5	.5	3.0	.0	.0	.0
20	14.0	11.5	12.5	6.5	5.0	5.5	.5	.0	.0	.0	.0	.0
21	13.5	11.5	13.0	5.0	4.5	4.5	.5	.0	.0	.0	.0	.0
22	14.0	11.5	13.0	5.5	3.0	4.5	4.0	.5	2.5	3.0	.0	1.0
23	15.5	11.0	13.0	6.5	2.5	4.5	5.5	2.5	4.0	3.0	.0	1.0
24	13.0	12.0	12.5	5.0	2.5	3.5	7.5	2.0	5.5	1.5	.0	.5
25	14.0	10.5	12.5	4.5	2.0	3.0	2.0	.0	1.0	3.0	1.0	2.0
26	14.5	9.0	11.5	5.5	2.5	4.5	2.0	.0	1.0	1.0	.0	.0
27	15.5	11.0	13.0	4.0	2.5	3.0	3.5	1.5	2.5	1.0	.0	.0
28	14.5	10.5	13.0	4.0	2.0	3.0	6.5	2.0	5.0	1.5	.0	1.0
29	13.0	9.0	11.0	6.0	3.5	4.5	7.0	5.0	6.0	.0	.0	-.5
30	13.5	11.0	12.0	6.5	4.0	5.5	5.0	.5	3.0	.5	.0	.0
31	11.0	8.0	9.0	---	---	---	.5	.0	.0	1.0	.5	.5
MONTH	---	---	---	15.0	2.0	6.2	9.0	.0	4.6	9.0	.0	1.2

0423204141 MILL CREEK TRIBUTARY (SITE B)-MILL ROAD NEAR BUSHNELL BASIN, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	2.5	.0	1.5	8.5	2.0	5.5	---	---	---	---	---	---
2	3.0	.0	1.5	8.5	3.0	6.5	---	---	---	---	---	---
3	3.0	.5	2.0	6.5	2.0	3.5	---	---	---	---	---	---
4	3.0	.5	1.5	5.0	2.0	3.5	---	---	---	---	---	---
5	3.0	1.0	2.5	6.0	.5	3.5	---	---	---	---	---	---
6	4.0	2.0	2.5	4.5	.0	2.0	---	---	---	---	---	---
7	4.5	1.5	2.5	5.0	.5	2.0	---	---	---	---	---	---
8	2.5	.0	1.0	3.0	.5	1.5	---	---	---	---	---	---
9	.5	.0	.0	6.0	.0	2.5	---	---	---	---	---	---
10	1.0	.0	.5	7.5	2.5	4.0	---	---	---	---	---	---
11	2.0	.0	1.0	6.5	2.5	4.0	---	---	---	---	---	---
12	2.0	.0	1.0	6.0	1.0	3.0	---	---	---	---	---	---
13	.5	.0	.0	6.0	.0	2.0	---	---	---	---	---	---
14	.5	.0	.5	2.5	.0	1.5	---	---	---	---	---	---
15	2.5	.0	1.0	5.0	1.0	2.5	---	---	---	---	---	---
16	.0	.0	.0	4.5	.5	2.0	---	---	---	---	---	---
17	.0	.0	.0	6.0	.5	3.0	---	---	---	---	---	---
18	5.5	.0	2.5	8.0	1.0	3.5	---	---	---	---	---	---
19	7.5	3.0	4.5	8.5	.0	3.0	---	---	---	---	---	---
20	7.0	1.0	3.5	5.5	2.0	3.5	---	---	---	---	---	---
21	13.0	4.0	8.0	5.5	2.0	4.0	---	---	---	---	---	---
22	8.0	.5	4.5	7.0	1.0	4.0	---	---	---	---	---	---
23	2.0	.0	1.0	7.0	.5	2.5	---	---	---	---	---	---
24	2.0	.0	.5	9.0	.0	3.0	---	---	---	---	---	---
25	1.0	.0	.0	5.0	1.0	3.5	---	---	---	---	---	---
26	5.5	.0	2.5	5.5	3.8	4.5	---	---	---	---	---	---
27	7.5	3.0	4.5	---	---	---	---	---	---	---	---	---
28	7.5	2.0	4.0	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	13.0	.0	1.9	---	---	---	---	---	---	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	19.0	13.5	16.0
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	18.0	14.0	16.5
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	15.5	14.0	15.0
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

0423204141 MILL CREEK TRIBUTARY (SITE B)-MILL ROAD NEAR BUSHNELL BASIN, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	14.0	9.0	11.0	---	---	---	6.0	3.0	4.5	.5	.0	.0
2	10.0	8.0	9.0	12.0	10.0	11.5	4.0	2.0	3.0	4.0	.5	3.0
3	11.5	9.0	10.5	11.0	8.0	10.0	6.0	.5	2.5	7.0	4.0	5.5
4	15.0	10.0	12.0	9.0	7.5	8.0	6.5	5.0	6.0	7.0	4.5	5.5
5	17.5	14.5	15.5	8.5	7.0	7.5	6.0	4.0	5.0	9.0	4.5	6.5
6	---	---	---	8.0	5.5	7.0	4.5	2.5	3.0	---	---	---
7	---	---	---	6.5	5.0	6.0	6.0	3.0	4.5	---	---	---
8	---	---	---	9.0	5.5	7.0	5.5	4.5	5.0	---	---	---
9	---	---	---	8.0	6.5	7.5	5.0	3.0	4.0	---	---	---
10	---	---	---	6.5	5.5	6.0	3.5	1.0	2.5	---	---	---
11	---	---	---	6.0	4.5	5.5	4.5	2.5	3.5	---	---	---
12	---	---	---	4.5	2.5	3.5	4.5	3.0	3.5	---	---	---
13	---	---	---	2.5	1.5	2.0	4.0	3.0	3.5	---	---	---
14	---	---	---	2.0	.0	1.0	3.0	.5	2.0	---	---	---
15	---	---	---	4.0	.5	2.5	4.5	.0	2.0	---	---	---
16	---	---	---	3.5	2.0	2.5	6.0	2.5	4.0	---	---	---
17	---	---	---	3.0	2.0	2.5	6.0	3.0	4.0	---	---	---
18	---	---	---	5.5	1.5	3.0	5.0	2.5	3.5	---	---	---
19	---	---	---	6.5	1.0	3.5	5.5	3.0	4.5	---	---	---
20	---	---	---	6.5	4.0	5.0	5.5	3.5	4.5	---	---	---
21	---	---	---	8.0	5.5	7.0	3.5	.0	2.0	---	---	---
22	---	---	---	7.0	5.5	6.0	3.0	.0	.5	---	---	---
23	---	---	---	8.0	6.0	6.5	4.5	3.0	4.0	---	---	---
24	---	---	---	6.0	2.0	4.0	5.5	3.0	4.5	---	---	---
25	---	---	---	4.5	1.0	2.5	6.0	3.5	5.0	---	---	---
26	---	---	---	8.0	4.5	6.5	6.0	4.5	5.5	---	---	---
27	9.5	6.0	8.0	6.5	4.5	5.5	5.5	3.0	4.5	---	---	---
28	6.0	5.5	6.0	7.5	5.0	6.5	4.0	1.0	2.5	---	---	---
29	---	---	---	6.5	3.5	5.0	3.5	.5	2.0	---	---	---
30	---	---	---	7.5	3.5	5.5	2.5	1.0	1.5	---	---	---
31	---	---	---	---	---	---	1.0	.0	.0	---	---	---
MONTH	---	---	---	---	---	---	6.5	.0	3.5	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	15.0	13.0	14.0
3	---	---	---	---	---	---	---	---	---	14.5	12.5	13.5
4	---	---	---	---	---	---	---	---	---	16.0	12.0	13.5
5	---	---	---	---	---	---	---	---	---	16.5	12.0	14.5
6	---	---	---	---	---	---	---	---	---	19.5	12.0	15.5
7	---	---	---	---	---	---	---	---	---	19.0	12.0	15.5
8	---	---	---	---	---	---	---	---	---	16.5	14.0	15.0
9	---	---	---	---	---	---	---	---	---	16.0	13.5	14.5
10	---	---	---	---	---	---	---	---	---	14.0	12.5	13.0
11	---	---	---	---	---	---	12.0	2.0	6.5	15.0	13.0	13.5
12	---	---	---	---	---	---	13.5	2.0	7.5	18.5	12.0	14.5
13	---	---	---	---	---	---	15.0	3.5	9.0	18.5	10.5	14.5
14	---	---	---	---	---	---	15.0	7.0	10.5	20.0	12.0	16.0
15	---	---	---	---	---	---	14.5	9.0	10.0	21.0	14.0	17.5
16	---	---	---	---	---	---	13.0	8.0	9.5	21.5	14.0	18.0
17	---	---	---	---	---	---	13.0	7.5	10.0	20.0	15.5	18.0
18	---	---	---	---	---	---	13.5	5.5	9.5	19.0	14.5	16.5
19	---	---	---	---	---	---	13.5	8.0	9.0	20.5	15.0	17.5
20	---	---	---	---	---	---	13.0	8.5	10.0	20.5	15.5	18.0
21	---	---	---	---	---	---	16.0	6.0	10.5	17.0	13.0	14.5
22	---	---	---	---	---	---	16.0	6.5	11.0	14.0	11.5	13.0
23	---	---	---	---	---	---	16.0	7.5	11.0	15.0	10.0	12.5
24	---	---	---	---	---	---	17.5	8.0	12.0	---	---	---
25	---	---	---	---	---	---	17.5	8.5	11.5	---	---	---
26	---	---	---	---	---	---	15.5	7.5	9.0	---	---	---
27	---	---	---	---	---	---	14.5	4.5	8.0	---	---	---
28	---	---	---	---	---	---	16.5	5.5	10.0	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	20.0	14.5	17.0
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

0423204141 MILL CREEK TRIBUTARY (SITE B)-MILL ROAD NEAR BUSHNELL BASIN, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998--Continued

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

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

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

0423204141 MILL CREEK TRIBUTARY (SITE B)-MILL ROAD NEAR BUSHNELL BASIN, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	1.5	.0	.5	4.0	1.5	2.5	12.0	7.0	9.0	20.0	11.5	15.0
2	4.5	1.0	3.0	4.5	1.0	2.5	11.0	7.5	8.5	20.5	11.0	15.0
3	5.5	3.0	3.5	---	---	---	14.5	7.5	10.5	20.0	11.0	14.5
4	5.5	2.5	4.0	---	---	---	13.0	5.0	8.5	19.0	11.0	14.5
5	3.5	2.0	2.5	---	---	---	13.0	3.5	7.5	21.5	12.0	16.5
6	4.0	2.0	3.0	---	---	---	12.0	4.5	8.5	20.0	14.0	17.0
7	3.5	2.0	3.0	---	---	---	15.0	7.5	10.0	21.0	16.0	17.5
8	4.0	1.0	2.5	---	---	---	16.0	8.0	11.0	16.0	14.0	15.0
9	6.0	1.0	3.0	---	---	---	8.5	6.0	7.0	15.5	12.5	14.0
10	5.5	2.0	3.5	---	---	---	13.0	4.5	8.0	17.5	11.0	14.0
11	6.0	1.5	3.5	---	---	---	6.5	3.5	5.0	18.5	11.0	15.0
12	5.5	2.5	4.5	---	---	---	13.0	5.0	8.0	17.5	12.5	15.0
13	2.5	1.0	1.5	---	---	---	13.0	4.5	8.0	17.5	12.0	15.0
14	2.5	.5	1.0	---	---	---	14.5	5.0	9.0	18.0	12.0	15.0
15	3.5	.0	1.5	---	---	---	13.0	5.0	9.0	18.5	12.0	15.0
16	5.5	1.0	3.0	---	---	---	9.0	7.0	8.0	19.5	12.5	15.5
17	5.0	3.5	4.0	---	---	---	9.5	6.5	8.0	20.0	13.0	17.0
18	3.5	2.0	3.0	---	---	---	13.0	6.0	9.0	21.0	15.5	18.5
19	3.0	1.0	2.0	4.5	2.5	3.5	10.0	7.0	8.0	19.0	15.0	17.0
20	2.5	.5	1.5	7.5	2.5	4.0	11.5	5.0	8.0	17.5	12.0	15.0
21	2.0	.0	1.0	6.0	3.0	4.0	14.5	5.5	9.5	---	---	---
22	.5	.0	.0	4.5	3.0	3.5	10.5	8.5	9.5	---	---	---
23	.0	.0	.0	8.0	2.5	4.5	9.5	5.5	8.0	---	---	---
24	1.5	.0	.5	9.0	3.0	5.0	17.0	4.5	10.0	17.5	14.0	16.0
25	2.0	.0	.5	7.5	3.0	5.0	24.5	6.5	15.5	14.0	12.5	13.0
26	2.5	.0	1.0	9.0	2.5	5.0	16.5	7.5	11.0	13.5	12.5	13.0
27	3.5	.0	1.5	10.5	2.0	5.5	24.0	8.0	17.0	---	---	---
28	3.5	1.5	2.5	11.5	2.5	6.5	24.0	13.0	17.5	---	---	---
29	---	---	---	12.0	4.0	7.0	21.5	12.5	17.0	---	---	---
30	---	---	---	12.0	4.5	7.5	19.0	11.5	16.0	---	---	---
31	---	---	---	13.5	5.5	9.0	---	---	---	---	---	---
MONTH	6.0	.0	2.2	---	---	---	24.5	3.5	10.0	---	---	---

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

0423204141 MILL CREEK TRIBUTARY (SITE B)-MILL ROAD NEAR BUSHNELL BASIN, 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	---	---	---	---	---	---	2.5	1.0	1.5	2.0	.5	1.5
2	---	---	---	---	---	---	2.5	1.0	2.0	5.0	1.0	2.5
3	---	---	---	---	---	---	7.5	2.5	6.0	5.5	3.5	4.5
4	---	---	---	---	---	---	9.5	7.5	8.5	9.0	4.0	6.0
5	---	---	---	---	---	---	11.5	8.5	10.0	4.0	.5	2.0
6	---	---	---	---	---	---	11.5	8.0	10.0	3.0	.5	1.5
7	---	---	---	---	---	---	8.0	5.5	6.5	4.0	1.0	2.5
8	---	---	---	---	---	---	5.5	4.0	4.5	1.5	.5	1.0
9	---	---	---	---	---	---	5.0	3.0	4.0	4.5	1.5	3.0
10	---	---	---	13.0	10.0	10.5	8.5	4.5	6.5	5.5	2.5	4.0
11	---	---	---	---	---	---	6.0	2.5	4.0	5.5	4.0	5.0
12	---	---	---	---	---	---	4.0	2.0	3.0	4.0	2.0	3.0
13	---	---	---	---	---	---	5.0	3.0	4.0	2.0	.5	1.0
14	14.5	9.0	11.5	---	---	---	5.0	2.0	3.5	.5	.5	.5
15	11.5	8.5	9.5	---	---	---	7.0	4.0	6.0	.5	.5	.5
16	---	---	---	---	---	---	6.5	4.0	5.5	1.5	.5	.5
17	---	---	---	---	---	---	5.5	3.0	4.0	.5	.0	.0
18	12.5	10.0	11.5	---	---	---	3.0	.5	2.0	.0	.0	.0
19	11.0	8.5	10.0	---	---	---	1.0	.5	.5	.5	.0	.0
20	11.0	10.0	10.5	---	---	---	5.0	1.0	3.0	.5	.0	.5
21	---	---	---	---	---	---	4.5	1.0	2.5	.0	.0	.0
22	10.0	9.0	9.5	---	---	---	1.0	.5	.5	.0	.0	.0
23	---	---	---	---	---	---	.5	.5	.5	.0	.0	.0
24	---	---	---	---	---	---	.5	.5	.5	.5	.0	.5
25	---	---	---	10.0	9.0	9.5	.5	.5	.5	.5	.0	.0
26	---	---	---	11.5	8.0	10.0	.5	.5	.5	.5	.0	.5
27	---	---	---	10.5	8.5	9.5	.5	.0	.5	.0	.0	.0
28	---	---	---	8.5	7.0	7.5	.5	.0	.0	.0	.0	.0
29	---	---	---	7.0	4.0	5.5	.5	.5	.5	.0	.0	.0
30	---	---	---	5.5	2.5	4.0	1.5	.5	1.0	.0	.0	.0
31	---	---	---	---	---	---	.5	.5	.5	.5	.0	.5
MONTH	---	---	---	---	---	---	11.5	.0	3.3	9.0	.0	1.3

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	.5	.0	.5	7.5	4.0	6.0	12.0	3.5	8.0	12.5	7.0	10.0
2	.5	.0	.5	5.5	2.5	4.0	9.0	7.5	8.5	15.5	9.0	11.5
3	.5	.0	.5	7.0	2.0	4.0	11.5	7.5	9.0	16.0	7.0	11.5
4	.5	.5	.5	8.5	2.0	5.0	10.5	6.0	9.0	15.5	8.5	12.5
5	.5	.5	.5	8.0	4.5	5.5	6.5	4.0	5.0	18.5	13.0	15.5
6	.5	.5	.5	9.5	4.0	6.0	10.5	4.0	7.0	20.5	13.5	17.0
7	1.0	.5	.5	10.5	3.0	6.5	---	---	---	20.0	15.0	17.5
8	.5	.0	.5	15.0	6.0	10.5	8.0	5.5	7.0	18.5	15.0	17.0
9	1.5	.0	.5	13.5	7.5	11.0	9.5	4.5	6.5	19.5	16.0	17.5
10	3.0	1.5	2.0	7.5	2.5	4.5	7.0	4.0	5.5	17.0	11.5	14.5
11	2.5	1.0	2.0	3.5	2.0	3.0	7.0	4.0	5.0	15.5	10.0	12.5
12	1.0	.5	.5	4.5	1.0	2.5	8.5	4.5	6.0	14.0	10.5	12.0
13	1.0	.5	.5	7.5	2.0	4.5	11.5	3.0	7.0	---	---	---
14	1.0	1.0	1.0	8.5	4.0	6.0	15.0	4.0	9.5	---	---	---
15	2.5	.5	1.5	9.5	5.0	7.0	17.5	8.5	12.5	16.5	11.5	14.0
16	3.5	1.0	2.0	8.0	2.5	5.5	12.0	7.5	9.5	15.0	10.0	12.5
17	3.0	1.0	1.5	7.0	2.5	4.0	7.5	6.5	7.0	19.0	12.0	15.5
18	1.0	.5	.5	8.0	1.0	3.5	10.0	7.0	8.0	18.0	14.0	16.0
19	1.5	.5	1.0	10.0	2.0	5.5	11.5	8.0	9.5	14.0	10.5	11.5
20	3.0	1.0	1.5	12.5	5.5	8.5	11.0	9.5	10.5	12.0	10.5	11.5
21	4.5	1.5	3.0	9.5	5.5	7.5	11.0	10.0	10.5	12.5	11.0	11.5
22	5.0	2.5	3.5	10.0	6.0	8.0	10.0	8.5	9.0	14.0	10.0	12.0
23	4.5	3.0	3.5	11.0	5.5	8.0	9.5	8.0	9.0	16.0	10.5	13.0
24	7.0	3.5	5.0	13.5	4.5	8.5	15.0	6.5	10.0	17.0	13.5	15.0
25	6.0	4.5	5.5	14.5	7.0	10.5	14.0	6.0	9.5	15.5	13.0	14.5
26	10.0	5.0	7.0	10.5	6.0	8.5	14.0	6.0	9.5	14.5	11.0	13.0
27	11.0	6.0	8.0	8.0	4.0	6.5	11.0	8.0	9.5	14.5	11.0	13.0
28	7.0	4.0	5.5	10.0	6.0	7.5	16.0	6.0	10.5	14.0	11.5	13.0
29	8.5	3.0	5.0	6.5	5.0	6.0	16.5	6.5	11.5	15.0	11.0	13.0
30	---	---	---	8.0	4.5	6.0	15.0	8.0	11.0	15.5	12.0	13.5
31	---	---	---	11.0	3.0	6.5	---	---	---	17.0	14.0	15.5
MONTH	11.0	.0	2.2	15.0	1.0	6.6	---	---	---	---	---	---

0423204141 MILL CREEK TRIBUTARY (SITE B)-MILL ROAD NEAR BUSHNELL BASIN, NY--Continued

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	17.0	15.5	16.5	19.0	16.5	18.0	24.5	20.0	21.0	---	---	---
2	19.0	14.5	16.5	19.5	17.0	18.5	24.0	21.5	22.5	---	---	---
3	17.0	13.5	15.5	20.0	17.5	19.0	24.0	21.0	22.0	---	---	---
4	13.5	11.5	12.5	20.5	19.0	20.0	24.0	21.0	22.0	---	---	---
5	13.5	11.5	13.0	22.0	20.0	20.5	22.0	17.5	19.0	---	---	---
6	13.5	12.0	13.0	21.0	18.0	19.5	19.0	17.5	18.0	---	---	---
7	14.5	10.5	13.0	19.0	16.5	17.5	19.0	18.0	18.5	---	---	---
8	15.5	13.5	14.5	17.5	16.0	17.0	22.5	19.0	20.5	---	---	---
9	---	---	---	17.5	16.0	16.5	22.5	20.5	21.0	---	---	---
10	---	---	---	18.5	16.0	17.0	22.0	20.5	21.5	---	---	---
11	20.0	17.0	18.5	19.0	18.5	19.0	22.5	20.5	21.0	---	---	---
12	21.0	18.0	20.0	19.0	17.5	18.0	21.0	20.0	20.5	22.5	20.0	20.5
13	18.0	15.0	16.0	18.0	16.5	17.5	20.5	18.0	19.5	20.0	16.5	17.5
14	19.0	15.5	17.0	19.0	16.5	17.5	20.0	18.0	19.0	18.0	16.0	17.0
15	21.0	17.0	18.5	21.0	16.5	18.0	19.5	18.0	19.0	18.0	16.0	17.0
16	24.0	17.5	20.0	20.5	19.0	19.5	20.5	18.5	19.0	16.0	14.0	15.0
17	22.5	18.0	20.0	22.5	19.0	20.0	22.5	20.5	21.0	---	---	---
18	22.0	19.0	20.0	21.5	18.0	19.5	21.0	17.5	19.0	---	---	---
19	20.5	16.0	17.0	20.5	19.0	19.5	19.0	16.0	17.0	---	---	---
20	18.5	13.0	15.5	19.0	17.5	18.0	---	---	---	---	---	---
21	20.5	16.0	18.0	18.0	16.0	17.0	---	---	---	---	---	---
22	24.0	18.5	20.0	21.5	16.5	17.5	---	---	---	15.5	14.0	14.5
23	22.0	18.5	20.0	---	---	---	---	---	---	19.0	14.0	17.0
24	20.5	17.5	19.0	---	---	---	---	---	---	19.0	14.0	16.5
25	20.0	16.0	18.0	---	---	---	---	---	---	14.0	12.5	13.0
26	22.0	19.0	20.0	---	---	---	---	---	---	13.0	11.0	12.0
27	22.5	19.0	20.5	---	---	---	---	---	---	15.0	11.0	12.5
28	22.5	19.5	21.5	---	---	---	---	---	---	15.5	9.5	12.0
29	21.5	17.0	19.0	24.0	17.0	18.5	---	---	---	10.5	7.5	9.0
30	19.5	17.5	18.5	24.0	19.5	20.5	---	---	---	12.0	9.5	10.5
31	---	---	---	20.5	19.0	19.5	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

0423204141 MILL CREEK TRIBUTARY (SITE B)-MILL ROAD NEAR BUSHNELL BASIN, NY--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	TIME	ENDING TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	TUR-BID-ITY (NTU) (00076)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	RESIDUE VOLA-TILE, SUS-PENDED (MG/L) (00535)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
JAN										
20...	0825	--	--	17	17	3	.02	.48	.40	.065
AUG										
31-31	1634	1724	2.3	80	--	--	.94	2.1	.82	.610
31-31	1729	1820	2.2	90	--	--	.90	2.6	.96	.750
SEP										
22-22	1150	1456	.70	7.1	18	<10	.09	.60	.47	.075

DATE	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)
JAN									
20...	.023	--	27	16	--	--	--	--	--
AUG									
31-31	.370	--	9	11	--	--	--	--	--
31-31	.470	--	--	13	--	--	--	--	--
SEP									
22-22	.025	--	13	--	--	--	--	--	--

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	ENDING TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	TUR-BID-ITY (NTU) (00076)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	RESIDUE VOLA-TILE, SUS-PENDED (MG/L) (00535)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT										
21-21	0008	0714	2.3	6.6	15	<5	<.01	.40	.05	.050
JAN										
18-18	1029	1112	.93	8.4	13	<5	.02	.82	3.3	.140
18-18	1116	1145	2.2	30	48	11	.02	1.2	2.4	.190
FEB										
20-21	1626	0348	1.3	20	30	6	.16	.87	.98	.240
MAR										
20-20	1050	1620	.56	7.3	16	<5	.06	.51	1.6	.080
20-20	1650	2220	.62	9.3	18	<5	.04	.76	2.2	.100
20-21	2250	0420	.40	6.7	13	<5	.02	.61	2.5	.070
21-21	0450	1020	.36	7.2	14	<5	.02	.43	2.4	.020
APR										
13-13	1256	1530	2.0	--	51	8	.28	1.2	1.6	.220
13-13	1547	1944	2.3	--	17	15	.13	.82	2.3	.140
22-22	1536	2354	.59	--	13	<7	.07	.56	2.0	.035
30-30	1036	1241	1.2	75	277	51	.13	2.1	.81	.410
30-30	1322	1739	.76	16	27	<6	.04	1.7	1.1	<.005
MAY										
11-11	1136	1605	1.3	34	59	9	.02	.86	.75	.140
11-11	1635	2100	1.1	18	30	<6	.03	.57	.91	.100
11-12	2130	0200	1.7	30	45	7	.02	.96	.92	.130
12-12	0230	0630	1.4	22	33	<6	.02	.66	1.2	.110
JUL										
03-03	0920	1120	1.8	19	41	10	.20	.79	1.0	.040
30-30	0252	0313	2.0	15	33	8	.28	.77	.87	.095
AUG										
02-02	1505	1541	2.3	24	59	10	.32	1.2	.74	.180
02-02	1559	1736	2.1	13	21	6	.24	1.1	.83	.160
SEP										
13-13	0913	0952	2.1	20	42	7	.04	.48	.24	.120
13-13	1011	1144	2.1	8.0	12	3	.05	.46	.54	.170
13-13	1202	1340	2.1	8.8	15	4	.06	.74	.85	.210

0423204141 MILL CREEK TRIBUTARY (SITE B)-MILL ROAD NEAR BUSHNELL BASIN, NY--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996--Continued

DATE	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)
OCT									
21-21	.008	--	93	44	--	--	--	--	--
JAN									
18-18	.084	--	222	43	--	--	--	--	--
18-18	.092	--	150	34	--	--	--	--	--
FEB									
20-21	.155	--	210	20	--	--	--	--	--
MAR									
20-20	.029	--	235	40	--	--	--	--	--
20-20	.051	--	192	39	--	--	--	--	--
20-21	.040	--	220	47	--	--	--	--	--
21-21	.030	--	322	52	--	--	--	--	--
APR									
13-13	.120	9.60	30	18	--	4.0	--	30	--
13-13	.041	5.00	60	36	--	<5.0	--	20	--
22-22	.013	2.70	58	43	--	<5.0	--	20	400
30-30	.025	9.20	20	17	--	11.0	--	210	141
30-30	.033	10.0	23	20	--	--	--	50	251
MAY									
11-11	.030	8.20	16	16	--	31.0	--	50	209
11-11	.030	7.90	20	20	--	<5.0	--	40	218
11-12	.038	7.80	17	18	--	<5.0	--	45	194
12-12	.038	6.80	21	22	--	<5.0	--	60	248
JUL									
03-03	.029	--	15	16	--	--	--	--	--
30-30	<.002	5.10	6	11	--	<5.0	--	85	67.0
AUG									
02-02	.067	2.90	4	9	--	<5.0	--	90	62.0
02-02	.090	4.50	7	12	--	<5.0	--	40	72.0
SEP									
13-13	.038	2.70	5	--	--	<5.0	--	55	51.0
13-13	.120	4.40	6	--	--	<5.0	--	50	63.0
13-13	.155	7.10	8	--	--	<5.0	--	50	107

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	ENDING TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	TUR-BID-ITY (NTU) (00076)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	RESIDUE VOLA-TILE, SUS-PENDED (MG/L) (00535)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT										
10-10	0049	0758	.98	10	22	10	.04	.48	.53	.140
DEC										
13-13	0429	0821	1.2	31	36	7	.01	.70	.90	.200
13-13	0911	1104	1.7	16	16	<5	.02	.60	1.3	.120
13...	1630	--	.67	12	--	--	.03	.52	1.4	.100
MAY										
19-19	0423	0605	.77	14	36	7	.19	.66	.76	.120
19-19	1750	1826	2.1	60	128	18	.15	1.3	.30	.240
19-19	1845	1939	2.2	25	40	6	.41	1.5	1.7	.150
19-19	1958	2141	1.5	22	29	6	.96	2.5	3.8	.150
JUN										
16-17	2045	0056	.95	15	32	9	.71	1.3	1.4	.185
20-20	0628	0750	1.9	17	51	9	.40	.63	.85	.130
24-24	0726	0840	2.1	11	34	<7	.36	.82	.61	.140
24-24	0909	1009	1.2	6.8	22	<14	N	.63	N	.110
26-26	0254	0314	1.8	18	65	14	.34	.94	.67	.170
JUL										
15...	1600	--	.91	2.9	--	--	.22	.74	.79	.095
AUG										
16-16	0030	0141	2.1	14	30	8	.15	.42	.54	.100
16-16	0159	0357	1.0	4.6	9	<6	.16	.69	.92	.080
20-20	2208	2311	.82	3.1	--	--	.04	.19	.54	.055
SEP										
29-29	0119	0355	2.0	5.7	6	<6	.02	.31	.25	.095
29-29	0408	0627	2.3	8.3	8	<8	.04	.77	.50	.190

N Presumptive evidence of presence of material.

0423204141 MILL CREEK TRIBUTARY (SITE B)-MILL ROAD NEAR BUSHNELL BASIN, NY--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997--Continued

DATE	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)
OCT									
10-10	.064	4.60	8	18	--	<5.0	--	45	--
DEC									
13-13	.073	6.80	29	16	--	10.0	--	50	--
13-13	.056	6.50	22	22	--	8.0	--	60	--
13...	.050	5.70	45	25	--	11.0	--	35	--
MAY									
19-19	.032	3.67	26	--	<2.5	<2.5	10	70	117
19-19	.025	5.49	4	--	<2.5	3.0	<5	110	41.7
19-19	.037	6.06	12	--	<2.5	<2.5	10	50	95.5
19-19	.037	8.56	26	--	<2.5	<2.5	15	55	174
JUN									
16-17	.068	8.94	14	21	<5.0	<5.0	20	50	--
20-20	.031	4.39	7	11	<5.0	<5.0	15	50	--
24-24	.044	4.23	6	9	<5.0	<5.0	15	45	--
24-24	N	5.38	--	--	--	<5.0	--	35	--
26-26	.036	5.75	10	--	<5.0	5.0	10	66	94.0
JUL									
15...	.036	7.89	13	37	<2.5	3.0	20	55	--
AUG									
16-16	.031	2.10	5	--	<2.5	<2.5	10	60	--
16-16	.032	5.08	14	--	<2.5	<2.5	15	30	--
20-20	.030	--	11	--	<2.5	<2.5	10	25	--
SEP									
29-29	.052	3.34	4	--	<2.5	<2.5	15	25	47.0
29-29	.145	7.67	7	--	<2.5	<2.5	20	25	89.0

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	ENDING TIME	DISCHARGE, IN CUBIC FEET PER SECOND (00060)	TURBIDITY (NTU) (00076)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	RESIDUE VOLATILE, SUSPENDED (MG/L) (00535)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS TOTAL (MG/L AS P) (00665)
MAR										
08-08	1422	1600	1.4	24	41	<8	.02	.29	.51	.100
08-08	1622	1724	2.0	50	82	11	.02	.76	.46	.220
08-09	1746	0818	.80	37	39	6	.03	.74	.69	.180
19-19	1233	1446	2.1	45	104	50	.03	.37	.93	.210
19-19	1504	1633	1.1	33	43	8	.02	.51	1.0	.150
MAY										
31...	1555	--	.76	--	--	--	.55	1.4	.79	.190
31-31	1828	1913	1.8	--	--	--	.34	.91	.83	.150

DATE	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	LEAD, DISSOLVED (UG/L AS PB) (01049)	LEAD, TOTAL RECOVERABLE (UG/L AS PB) (01051)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN) (01092)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)
MAR									
08-08	.023	3.51	23	12	<2.5	<2.5	10	45	148
08-08	.047	8.52	20	11	<2.5	<2.5	10	50	179
08-09	.052	7.45	32	17	<2.5	<2.5	10	55	--
19-19	.034	5.76	41	13	<2.5	5.0	10	50	138
19-19	.040	6.52	51	16	<2.5	4.0	5	25	239
MAY									
31...	.030	--	13	--	<2.5	2.6	15	75	--
31-31	.035	--	8	--	<2.5	<2.5	10	65	--

N Presumptive evidence of presence of material.

0423204141 MILL CREEK TRIBUTARY (SITE B)-MILL ROAD NEAR BUSHNELL BASIN, NY--Continued

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

DATE	TIME	ENDING TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	TUR-BID-ITY (NTU) (00076)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	RESIDUE VOLA-TILE, SUS-PENDED (MG/L) (00535)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
DEC										
21-22	1532	0237	.61	10	16	<6	.02	.16	.35	.080
JUN										
25...	0929	--	1.8	--	--	--	.13	.82	.75	.170
27-27	1725	1825	2.0	--	--	--	.27	.89	.67	.130
29-29	0728	0749	1.9	15	25	<10	.30	.69	.59	.120
JUL										
31...	1925	--	.57	4.8	--	--	.29	1.0	1.5	.170
AUG										
04-04	2231	2307	2.2	--	72	8	.23	.46	.47	.250
04-05	2325	0010	1.7	--	30	<8	.16	.86	.80	.180
11...	0208	--	1.1	--	--	--	<.01	.23	.88	.140
20-20	0731	0906	1.6	17	28	7	.06	.24	.42	.110
20-20	0924	1106	1.9	15	16	4	.06	.29	.62	.125
SEP										
07...	0316	--	.49	6.9	--	--	.09	.53	.51	.090
07-07	0447	0513	1.5	16	32	<7	.04	.25	.33	.110
07-07	0536	0635	1.3	14	21	<7	.03	.13	.32	.065
07...	0749	--	.63	5.4	--	--	.02	.31	.38	.055
08-08	0200	0205	--	32	55	6	.05	.31	.21	.130
16-16	1158	1348	.93	4.4	6	<5	.07	.63	.42	.080
16-16	1429	1611	.51	3.3	<5	<5	.03	.42	.61	.055
16-16	1707	1938	.86	3.4	<5	<5	.06	.40	.85	.075
16-17	2017	0036	.91	3.7	<5	<5	.12	.75	1.9	.130

DATE	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)
DEC									
21-22	.029	3.76	21	--	9.0	12.0	15	30	117
JUN									
25...	.066	--	--	--	--	--	--	--	--
27-27	.033	--	--	--	--	--	--	--	--
29-29	.038	4.16	10	14	--	16.0	--	110	--
JUL									
31...	.067	10.0	10	39	--	--	--	--	--
AUG									
04-04	.050	2.09	4	7	2.0	15.0	5	90	58.0
04-05	.054	3.50	7	19	2.0	14.0	10	60	85.0
11...	.048	--	8	20	--	--	--	--	--
20-20	.037	2.08	5	13	<2.0	7.0	10	30	61.0
20-20	.061	3.12	7	15	<2.0	8.0	10	30	73.0
SEP									
07...	.054	8.64	15	14	<1.0	8.0	15	30	--
07-07	.047	4.07	8	9	<1.0	5.0	5	45	49.0
07-07	.042	3.08	8	10	<1.0	6.0	20	40	63.0
07...	.039	3.14	13	16	<1.0	4.0	5	40	--
08-08	.032	1.54	--	--	<1.0	7.0	5	70	65.0
16-16	.038	3.17	10	11	2.0	8.0	15	20	--
16-16	.034	1.86	13	16	2.0	6.0	15	20	--
16-16	.080	4.31	13	19	<1.0	8.0	10	20	--
16-17	.086	6.77	18	27	<1.0	10.0	15	25	--

0423204141 MILL CREEK TRIBUTARY (SITE B)-MILL ROAD NEAR BUSHNELL BASIN, NY--Continued

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

DATE	TIME	ENDING TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	TUR-BID-ITY (NTU) (00076)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	RESIDUE VOLA-TILE, SUS-PENDED (MG/L) (00535)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)
OCT										
13-14	2137	0054	1.0	25	34	7	.04	.14	.44	.130
14-14	0115	0400	.79	13	10	<6	.04	.60	.74	.120
14-14	0440	0627	.95	7.4	<6	<6	.02	.56	.71	.120
JUN										
12-12	1508	1655	.02	20	36	8	.17	.90	.54	.150
JUL										
16-16	1652	1905	.17	19	33	<9	.07	.74	.48	.125
AUG										
17-17	0151	0306	.05	28	78	14	.40	1.5	.74	.310
17-17	0321	0716	--	19	29	8	.28	1.4	1.0	.290
17-17	0642	1135	.04	11	8	<6	.10	.88	.71	.140
SEP										
24-24	0219	0844	.87	7.8	14	<6	.03	.43	.41	.060
24-24	0918	1207	.13	14	23	<6	.04	.72	.60	.170
25-25	0139	0310	.05	16	36	8	.01	.60	.52	.130

DATE	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)
OCT									
13-14	.043	3.54	6	11	<2.0	10.0	<5	25	77.0
14-14	.064	6.95	11	18	<2.0	9.0	15	25	130
14-14	.071	6.78	12	21	<2.0	10.0	15	25	143
JUN									
12-12	.038	9.00	14	7	<2.0	10.0	<5	50	--
JUL									
16-16	.053	3.96	10	7	<2.0	11.0	<5	45	72.0
AUG									
17-17	.140	6.67	5	6	<2.0	11.0	15	70	52.0
17-17	.175	8.39	11	13	<2.0	10.0	15	50	95.0
17-17	.070	7.69	18	17	<1.0	10.0	15	55	139
SEP									
24-24	.029	3.24	11	12	<2.0	6.0	10	30	90.0
24-24	.098	7.04	10	13	<2.0	7.0	10	35	86.0
25-25	.047	6.66	14	15	<2.0	8.0	10	60	97.0

0423204920 EAST BRANCH ALLEN CREEK AT PITTSFORD, NY

LOCATION.--Lat 43°06'11", long 77°32'01", Monroe County, Hydrologic Unit 04140101, on left bank 25 ft upstream from culvert of abandoned Conrail railroad, 0.2 mi downstream from State Highway 31, 0.7 mi northwest of Pittsford and 1.8 mi upstream from mouth.
DRAINAGE AREA.--9.50 mi^2, flow from 2.54 mi^2 noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1990 to current year.
REVISED RECORDS.--WDR NY-92-3: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 400.00 ft above sea level.
REMARKS.--Records poor. Unpublished water-quality records for prior years are available in files of Monroe County Department of Health. Discharge includes undetermined diversion from Erie (Barge) Canal upstream from station. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 459 ft^3/s, July 8, 1998, gage height 9.03 ft; minimum daily discharge, 0.55 ft^3/s, Nov. 25, 1999; minimum instantaneous discharge not determined.
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)
May 13	unknown	*267	*6.42	Aug. 16	0215	153	4.53

Minimum instantaneous discharge not determined.

REVISIONS.--Revised daily and monthly discharges, in cubic feet per second, for January 1998 are given below. These figures supersede those published in corresponding annual reports.

Daily discharges:
Jan. 9, 1998 e150 Jan. 10, 1998 e50

Monthly discharge:
January 1998 Total: 882.3 Mean: 28.5

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	1.9	e1.0	1.5	e4.5	e7.0	e26	5.9	e5.0	4.3	1.7	8.5	e1.7
2	1.5	e4.0	1.7	e5.0	e6.5	e24	8.4	6.6	4.7	2.0	5.0	e1.5
3	1.3	1.9	2.6	e17	e6.0	e24	13	2.6	3.1	3.1	7.8	e1.7
4	e10	1.3	e2.4	e25	e6.0	e23	45	2.4	2.5	2.8	4.5	e2.0
5	e6.0	1.1	e2.0	e19	e6.0	e20	38	3.5	3.2	2.0	2.6	e1.6
6	e3.0	.96	e6.5	e15	e5.5	e17	30	e2.4	6.6	e1.5	2.1	e1.5
7	e2.5	.86	e7.5	e13	e5.0	e14	39	e2.4	3.4	.70	3.7	e1.1
8	e1.8	.81	e10	e11	e4.5	13	60	e2.5	2.3	1.0	5.3	e.80
9	3.3	.79	e5.0	e10	e7.0	17	72	e2.7	1.9	3.1	9.3	e1.0
10	1.4	2.4	4.8	e14	e9.0	23	39	8.3	1.6	3.0	e3.5	e1.1
11	2.2	1.7	3.9	11	e9.5	20	34	5.0	7.0	2.8	e2.5	e2.0
12	1.6	1.2	3.0	e10	e9.0	20	34	28	6.4	e3.0	1.8	e4.0
13	4.8	1.0	2.7	e9.5	e9.0	20	28	e200	34	e2.0	1.0	e3.5
14	30	.93	4.4	e9.0	9.8	24	16	e50	33	e1.5	e.90	e3.0
15	e13	.89	15	e9.0	9.8	e24	8.4	e18	44	8.3	e1.5	e5.5
16	e8.0	.82	22	e9.0	e11	e23	5.9	e11	e20	12	e28	e2.2
17	e7.0	.80	15	e9.0	e10	e24	3.7	e13	e11	23	e9.5	e2.0
18	e9.5	.81	9.3	e8.5	e11	e23	4.1	22	e4.8	13	e4.5	e1.8
19	e4.5	.77	4.8	e8.5	e11	e22	32	e6.0	e2.1	6.3	e3.0	e1.6
20	e3.0	.82	e6.0	e8.5	e12	e22	16	5.0	1.7	3.5	e2.5	e1.2
21	e2.2	.74	e16	e8.0	18	e21	25	4.6	4.4	4.8	e2.2	3.1
22	e2.0	.61	e6.0	e8.0	25	e19	36	4.5	e3.5	9.4	e2.2	1.6
23	e2.0	.56	e4.0	e8.0	42	e17	32	5.8	e2.2	e4.0	e9.5	19
24	e2.4	.72	e3.8	e9.0	58	e15	e24	17	e2.0	e3.0	e4.0	13
25	e1.6	.55	e3.8	e8.0	74	e11	19	8.6	e2.5	e2.8	e2.8	10
26	e1.4	13	e4.0	e9.0	58	6.9	14	e6.5	e2.0	e2.4	e3.2	6.6
27	e2.0	2.6	e4.0	e7.0	45	7.3	12	e6.0	5.0	e2.2	e2.8	4.8
28	e1.3	1.1	e4.0	e6.0	43	7.4	10	e5.5	2.2	e2.2	e2.5	6.5
29	e1.1	1.2	e4.5	e5.0	35	7.9	e5.5	e5.5	2.9	e2.6	e2.4	3.3
30	e1.1	1.4	e5.0	e5.5	---	7.5	e3.5	e5.5	2.8	e2.2	e2.2	2.5
31	e1.0	---	e5.0	e6.0	---	7.0	---	5.3	---	e2.2	e2.0	---
TOTAL	134.4	47.34	190.2	305.0	562.6	550.0	713.4	471.2	227.1	134.10	143.30	111.20
MEAN	4.34	1.58	6.14	9.84	19.4	17.7	23.8	15.2	7.57	4.33	4.62	3.71
MAX	30	13	22	25	74	26	72	200	44	23	28	19
MIN	1.0	.55	1.5	4.5	4.5	6.9	3.5	2.4	1.6	.70	.90	.80

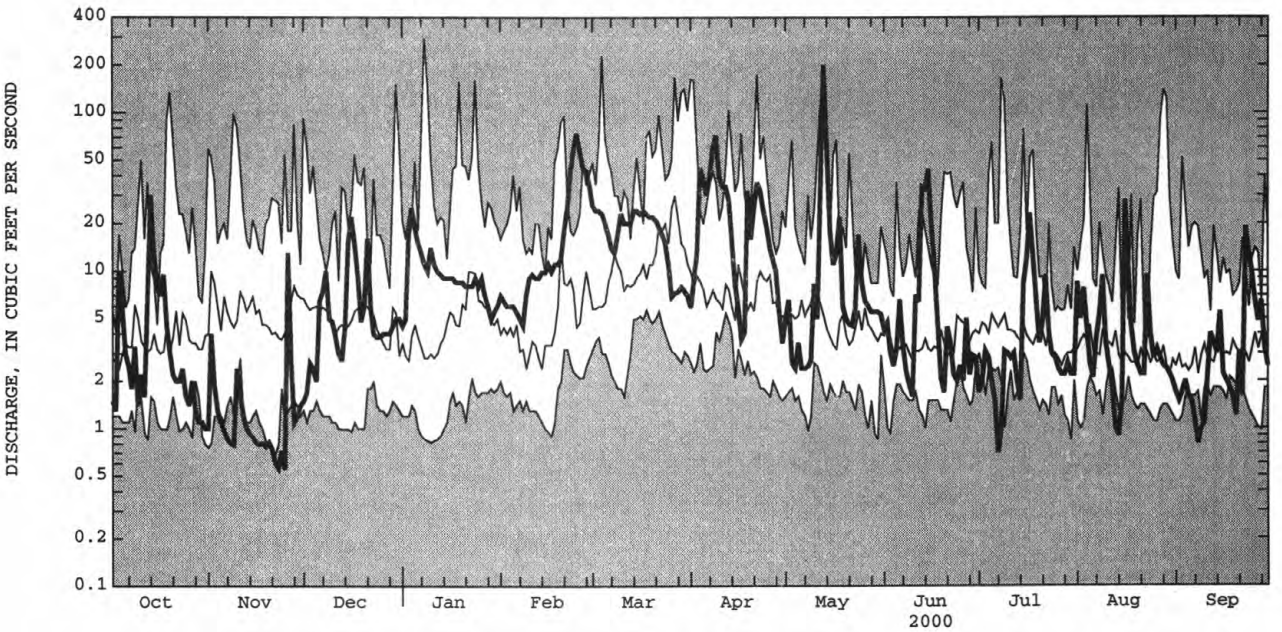
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	6.16	8.03	8.50	11.6	10.0	18.9	14.2	8.74	5.86	6.24	5.91	4.37
MAX	16.9	16.3	18.1	32.3	19.4	26.7	23.8	20.4	14.6	18.5	21.7	6.76
(WY)	1997	1997	1991	1998	2000	1991	2000	1996	1996	1998	1992	1992
MIN	2.41	1.43	1.89	3.57	3.60	8.96	3.32	2.39	2.92	2.95	2.97	2.22
(WY)	1999	1999	1999	1992	1993	1995	1995	1993	1995	1997	1991	1995

e Estimated

0423204920 EAST BRANCH ALLEN CREEK AT PITTSFORD, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1990 - 2000	
ANNUAL TOTAL	2483.58		3589.84			
ANNUAL MEAN	6.80		9.81		9.02	
HIGHEST ANNUAL MEAN					11.3	1998
LOWEST ANNUAL MEAN					5.28	1995
HIGHEST DAILY MEAN	161	Jan 24	200	May 13	295	Jan 8 1998
LOWEST DAILY MEAN	.55	Nov 25	.55	Nov 25	.55	Nov 25 1999
ANNUAL SEVEN-DAY MINIMUM	.68	Nov 19	.68	Nov 19	.68	Nov 19 1999
10 PERCENT EXCEEDS	14		24		19	
50 PERCENT EXCEEDS	3.3		5.0		4.4	
90 PERCENT EXCEEDS	1.1		1.3		1.7	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.

SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

0423204920 EAST BRANCH ALLEN CREEK AT PITTSFORD, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--1990 to current year.
CHEMICAL DATA: 1990-2000 (e).
NUTRIENT DATA: 1990-2000 (e).
PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: November 1994 to current year.
INSTRUMENTATION.--Automatic water sampler since 1990. Water-temperature recorder since November 1994 provides 15-minute-interval readings.
COOPERATION.--Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, N.Y.
REMARKS.--Prior to 1994 water year, data published in "Water Resources of Monroe County New York, Water Years 1989-93", U.S. Geological Survey Open-File Report 97-587.
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum, 27.5°C, July 15, 1997, July 5, 31, 1999; minimum, 0°C, on many days during winter period.
EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum, 24.5°C, Aug. 1; minimum, 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	16.0	14.0	15.0	12.5	9.5	11.0	3.0	1.0	2.0	1.5	1.0	1.0
2	16.0	13.0	14.5	15.0	12.0	13.0	4.0	1.5	2.5	2.5	1.0	1.5
3	15.5	13.5	14.5	13.0	7.5	10.0	6.5	4.0	5.5	3.0	2.0	2.5
4	14.0	11.5	12.5	8.5	6.5	7.5	7.5	6.0	6.5	4.0	3.0	3.5
5	13.0	11.5	12.5	10.0	7.0	8.5	9.0	6.5	8.0	3.5	2.0	2.5
6	12.0	10.0	11.5	9.5	8.0	9.0	8.5	6.5	7.5	2.5	2.0	2.0
7	11.0	9.0	10.0	8.0	6.0	7.0	6.5	5.5	6.0	2.5	1.5	2.0
8	13.0	8.0	10.5	7.5	5.5	6.5	6.0	5.0	5.5	2.0	1.5	1.5
9	15.0	12.5	13.5	11.5	7.5	9.5	6.0	4.5	5.0	2.0	2.0	2.0
10	15.5	13.5	14.5	14.0	10.5	12.0	7.0	5.0	6.0	3.0	1.5	2.0
11	16.0	13.0	14.5	10.5	6.0	8.0	5.0	3.0	4.0	3.0	2.0	2.5
12	13.0	11.0	12.0	8.0	5.5	7.0	4.0	2.5	3.0	2.5	2.0	2.0
13	16.0	11.5	13.5	9.5	8.0	8.5	4.5	3.5	4.0	2.0	1.0	1.5
14	15.0	11.5	12.0	10.0	7.0	8.5	4.0	2.0	3.5	1.0	.5	.5
15	13.0	11.0	12.0	7.0	4.5	6.0	4.5	2.5	3.5	1.5	.5	1.0
16	15.0	11.5	13.0	4.5	3.0	3.5	4.5	3.5	4.0	1.5	.5	1.0
17	14.5	12.5	14.0	4.5	2.5	3.5	3.5	2.5	3.0	.5	.5	.5
18	12.5	11.0	12.0	6.5	4.0	5.0	2.5	1.5	2.5	.5	.5	.5
19	12.0	9.5	11.0	8.5	6.0	7.0	2.5	1.0	2.0	1.0	.5	.5
20	12.5	11.0	11.5	9.5	7.5	8.5	4.5	2.0	3.0	1.0	.5	1.0
21	11.5	10.0	11.0	9.5	7.5	8.5	2.0	1.5	1.5	.5	.5	.5
22	11.5	10.0	10.5	12.5	9.0	10.5	1.5	.5	1.0	.5	.5	.5
23	11.0	9.5	10.0	12.5	10.0	11.0	1.0	.0	.5	.5	.5	.5
24	10.5	9.0	9.5	13.0	9.5	11.0	.5	.0	.5	.5	.5	.5
25	10.5	8.5	9.5	9.5	8.0	8.5	.5	.0	.0	.5	.5	.5
26	11.5	9.0	10.0	10.0	7.5	9.0	.5	.0	.5	.5	.0	.5
27	10.5	8.0	10.0	9.5	8.5	9.0	.5	.0	.5	.5	.0	.5
28	10.0	6.5	8.0	8.5	6.5	7.5	.5	.0	.5	.5	.0	.0
29	11.0	8.0	9.5	6.5	4.0	6.0	.5	.5	.5	.5	.0	.5
30	12.5	9.0	10.5	4.5	3.0	4.0	1.0	.5	.5	.5	.0	.5
31	13.5	11.5	12.0	---	---	---	1.0	.5	1.0	.5	.5	.5
MONTH	16.0	6.5	11.8	15.0	2.5	8.1	9.0	.0	3.0	4.0	.0	1.2

0423204920 EAST BRANCH ALLEN CREEK AT PITTSFORD, 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	.5	.5	4.5	3.5	4.0	12.0	7.0	9.5	13.5	11.5	12.5
2	.5	.0	.5	4.5	2.5	3.5	10.5	9.5	10.0	15.5	11.0	13.0
3	1.0	.5	.5	3.5	2.0	3.0	11.0	9.0	10.0	17.0	10.0	13.0
4	1.0	.5	.5	4.5	2.5	3.5	10.5	8.5	9.5	16.0	11.0	14.0
5	1.0	.0	.5	5.0	4.0	4.5	8.5	6.5	7.5	20.0	14.5	16.5
6	1.0	.0	.5	6.5	4.0	5.5	8.0	6.0	7.0	21.0	15.5	18.0
7	1.0	.5	.5	7.5	5.0	6.0	9.0	6.5	8.0	21.0	15.0	18.0
8	.5	.0	.5	11.5	7.0	9.0	8.0	6.5	7.5	20.5	16.0	18.5
9	1.5	.0	1.0	13.0	10.0	11.5	6.5	6.0	6.5	21.5	17.5	19.5
10	1.5	1.0	1.0	10.0	5.5	7.5	6.0	5.0	5.5	19.5	16.0	17.5
11	1.5	.5	1.0	5.5	3.5	4.5	5.5	4.5	5.0	18.5	15.0	16.5
12	1.0	.5	.5	3.5	2.5	3.0	6.0	4.5	5.0	16.5	14.5	15.5
13	1.5	.5	.5	4.5	2.0	3.5	7.0	5.5	6.0	17.5	16.5	17.0
14	1.0	.5	.5	6.5	4.5	5.5	9.5	6.0	7.5	16.5	15.0	15.5
15	2.0	.5	1.0	6.5	5.5	6.0	14.0	8.5	10.5	15.0	14.0	14.5
16	1.5	.5	1.0	6.5	4.0	5.5	11.5	9.0	10.0	14.5	13.5	14.0
17	1.5	.5	.5	4.5	3.0	4.0	9.5	8.5	9.0	17.0	14.0	15.0
18	1.0	.5	.5	5.5	3.0	4.0	9.5	7.5	8.5	16.5	14.5	15.5
19	1.0	.5	1.0	6.5	3.5	5.0	9.5	8.5	9.0	14.5	12.0	13.0
20	1.5	.5	1.0	8.5	5.5	7.0	11.0	8.5	10.0	12.5	12.0	12.0
21	2.0	1.0	1.5	8.5	7.0	7.5	11.0	9.0	10.0	12.5	11.5	12.0
22	2.5	1.0	1.5	9.0	7.5	8.0	10.5	9.5	10.0	14.0	11.5	13.0
23	2.5	1.5	2.0	10.0	7.5	8.5	9.5	9.0	9.0	16.0	11.5	13.0
24	2.5	1.5	2.0	12.0	7.5	9.5	10.0	8.5	9.0	16.0	13.0	14.5
25	2.0	2.0	2.0	14.0	10.0	12.0	12.0	8.5	10.0	14.5	13.5	14.0
26	3.5	2.0	2.5	12.0	9.0	10.5	12.5	9.0	10.5	15.5	12.5	14.0
27	4.5	3.0	4.0	9.0	7.0	8.0	11.5	10.0	10.5	16.5	13.0	14.5
28	4.5	3.5	4.0	9.5	7.5	8.0	14.0	9.5	11.5	16.0	13.5	14.5
29	4.0	3.0	3.5	8.0	5.5	6.5	15.0	10.0	12.0	17.0	13.5	15.0
30	---	---	---	6.5	5.0	5.5	15.0	11.0	12.5	18.5	14.0	16.0
31	---	---	---	10.5	4.5	7.5	---	---	---	19.5	15.5	17.0
MONTH	4.5	.0	1.3	14.0	2.0	6.4	15.0	4.5	8.9	21.5	10.0	15.0

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	19.5	17.5	18.0	21.5	17.5	19.5	24.5	20.5	22.0	24.0	21.5	23.0
2	20.5	16.0	18.5	22.0	18.5	20.5	23.5	21.0	22.0	23.0	21.5	22.5
3	19.0	16.0	17.5	21.5	19.5	20.5	22.5	20.0	21.5	22.0	20.5	21.0
4	17.5	14.5	16.0	22.0	20.0	20.5	21.0	19.0	20.0	21.5	18.0	20.0
5	16.0	14.5	15.0	21.0	18.5	20.0	21.5	18.5	20.0	18.5	16.5	17.5
6	14.5	14.0	14.0	19.5	17.0	18.0	20.5	18.5	19.0	19.0	15.0	17.0
7	17.0	13.0	15.0	18.5	15.5	17.0	22.5	19.5	21.0	20.0	16.0	18.0
8	18.0	15.0	16.5	19.0	15.5	17.0	23.5	20.5	22.0	20.0	17.5	19.0
9	18.5	16.5	17.5	20.0	18.0	19.0	24.0	22.0	23.0	21.0	19.0	20.0
10	21.5	17.0	19.0	21.5	20.0	20.5	23.5	21.5	22.5	22.0	18.5	20.5
11	20.5	16.5	19.0	22.0	18.5	20.5	22.0	19.0	21.0	21.5	20.5	21.0
12	17.0	16.5	16.5	22.5	18.5	20.5	20.0	17.5	19.0	23.0	20.5	21.0
13	17.0	16.0	16.5	22.5	18.5	20.5	20.0	17.5	18.5	20.5	18.5	19.5
14	18.5	17.0	17.5	21.5	19.5	20.5	21.5	17.5	19.5	20.5	18.0	19.0
15	21.5	17.5	19.0	20.5	18.5	19.0	22.5	19.0	21.0	19.5	17.5	18.5
16	22.5	20.0	21.0	21.5	18.5	19.0	22.5	20.0	21.0	18.0	16.5	17.0
17	22.5	20.5	21.5	20.0	19.0	19.5	21.0	19.5	20.5	18.0	16.0	17.0
18	20.5	16.5	18.0	20.0	19.0	19.5	20.5	18.5	19.5	19.0	17.0	18.0
19	18.5	15.0	16.5	19.5	18.5	19.0	20.5	18.5	19.5	20.0	17.0	18.5
20	20.0	16.5	18.0	20.0	17.0	18.5	20.0	17.5	18.5	20.0	17.0	18.5
21	23.5	18.0	19.5	20.5	17.5	19.0	20.5	16.5	18.5	20.0	15.0	17.0
22	21.0	19.0	20.0	20.5	18.5	19.5	21.5	18.0	19.5	15.5	13.5	14.5
23	20.5	18.0	19.0	21.0	18.0	19.5	20.5	18.5	19.5	17.0	14.0	15.5
24	21.0	17.0	19.0	21.5	18.0	19.5	20.5	19.0	19.5	18.0	15.0	16.0
25	21.5	19.5	20.5	22.0	18.5	20.5	21.0	18.0	19.5	15.5	14.0	14.5
26	23.0	19.5	21.5	23.0	19.0	21.0	21.5	18.5	20.0	15.5	13.5	14.0
27	22.5	19.5	21.0	23.0	19.5	21.5	21.0	19.5	20.5	16.0	13.0	14.5
28	20.5	17.5	19.5	23.5	20.0	21.5	22.0	19.0	20.5	15.5	11.0	13.0
29	19.5	18.5	19.0	23.5	20.5	22.0	23.0	20.0	21.5	13.5	9.5	11.5
30	20.5	17.0	18.5	22.5	21.0	21.5	23.5	21.0	22.0	14.5	11.0	13.0
31	---	---	---	23.5	21.5	22.5	24.0	21.0	22.5	---	---	---
MONTH	23.5	13.0	18.3	23.5	15.5	19.9	24.5	16.5	20.5	24.0	9.5	17.7

0423204920 EAST BRANCH ALLEN CREEK AT PITTSFORD, NY--Continued

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

DATE	TIME	ENDING TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	TUR-BID-ITY (NTU) (00076)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)
OCT							
04-04	0045	0745	10	23	145	80	--
04-08	0845	0745	4.6	7.5	160	85	--
13-14	2055	0755	42	18	107	46	--
14-18	0845	0745	14	15	130	83	--
18-21	0840	0740	4.8	8.4	138	96	--
NOV							
24-25	0805	2305	.65	2.1	219	136	--
26-26	0005	1905	14	10	96	54	--
26-28	2005	0705	3.0	4.6	128	108	--
NOV 29-							
DEC 02	0840	0740	1.4	3.5	251	113	--
06-08	0825	1025	7.7	15	69	148	--
08-09	1125	0725	8.2	16	62	154	--
09-13	0835	0735	3.8	7.7	99	160	--
14-16	2035	0735	16	16	89	248	--
16-20	0835	0735	11	16	73	181	--
JAN							
03-04	0835	0135	18	39	97	179	62
04-06	0235	0735	21	25	77	201	--
06-10	0835	0735	12	16	86	213	--
10-14	0825	0825	11	13	101	208	--
14-18	0825	0725	9.0	9.3	121	219	--
FEB							
07-10	0845	0745	6.0	2.6	156	384	--
21-22	0810	0710	20	6.6	127	644	--
22-24	0840	0740	40	23	89	497	--
24-25	0835	1935	66	36	48	293	67
25-27	2035	0735	58	23	48	234	--
FEB 28-							
MAR 02	0835	0735	33	14	76	232	--
02-06	0835	0735	22	11	95	351	--
06-09	0850	0750	15	4.8	113	334	--
09-10	1240	0340	22	20	102	292	--
10-13	0440	0740	21	13	87	298	--
13-16	0835	0735	23	6.9	87	337	--
16-20	0845	0745	24	5.4	83	352	--
20-23	0825	0725	20	3.7	92	343	--
23-27	0825	0725	12	4.0	121	290	--
APR							
03-04	1735	0735	33	30	78	178	78
04-06	0835	0735	40	27	53	176	--
06-07	0835	0735	28	13	54	174	--
07-08	0835	1535	44	19	58	170	--
08-10	1635	0735	71	52	42	13	86
10-13	0835	0735	34	21	48	157	--
13-17	0835	0735	12	5.0	68	195	--
19-20	0625	0825	37	14	59	165	--
20-22	0900	0400	21	23	67	127	--
22-24	0500	0800	32	21	45	115	--
24-27	0835	0735	18	12	80	283	--
APR 27-							
MAY 01	0835	0735	7.1	5.6	66	133	--
09-10	1425	0125	3.4	4.5	122	154	--
10-11	0225	0725	6.9	14	104	130	--
11-13	2100	1600	90	85	59	84	190
13-15	1700	0800	70	190	30	70	293
15-18	0915	0815	14	55	45	85	68
18-22	0835	0735	7.8	20	84	114	--
23-24	1235	1535	12	20	92	121	--
24-26	1635	0735	9.7	25	65	106	--
JUN							
08-11	0840	0340	1.8	6.6	151	157	--
11-11	0440	1540	4.9	11	130	118	--
11-12	1640	0740	9.7	23	79	103	--
13-13	0840	1940	54	50	56	64	124
13-15	2040	0740	32	94	31	69	153
15-19	0835	0735	16	40	54	90	67

0423204920 EAST BRANCH ALLEN CREEK AT PITTSFORD, NY--Continued

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

DATE	RESIDUE VOLATILE, SUSPENDED (MG/L) (00535)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)
OCT						
04-04	--	.70	.02	.52	.150	.019
04-08	--	.36	.01	.40	.080	.016
13-14	--	.34	.01	.28	.110	.017
14-18	--	.29	<.01	.60	.100	.015
18-21	--	.32	<.01	.40	.080	.016
NOV						
24-25	--	.23	.01	.31	.025	.008
26-26	--	.25	<.01	.63	.120	.015
26-28	--	.26	<.01	.44	.045	.013
NOV 29-						
DEC 02	--	.91	<.01	.48	.020	.005
06-08	--	.78	.03	.89	.095	.012
08-09	--	.81	<.01	1.1	.095	.009
09-13	--	.76	.02	.82	.055	.010
14-16	--	.98	.03	.81	.075	.014
16-20	--	2.9	.02	.96	.085	.022
JAN						
03-04	9	1.2	.08	.86	.120	.011
04-06	--	1.9	.04	.92	.090	.019
06-10	--	1.9	.03	.54	.065	.016
10-14	--	1.3	.05	.63	.050	.011
14-18	--	1.5	.05	.51	.050	.008
FEB						
07-10	--	1.1	.10	.54	.025	.007
21-22	--	1.7	.09	.52	.035	.005
22-24	--	1.8	.06	.72	.100	.010
24-25	10	2.8	.07	1.1	.180	.032
25-27	--	3.2	.06	.98	.130	.037
FEB 28-						
MAR 02	--	2.2	.04	.85	.075	.019
02-06	--	2.1	.03	.60	.050	.011
06-09	--	1.5	<.01	.50	.055	.005
09-10	--	1.1	.06	.87	.090	.008
10-13	--	1.3	.05	.63	.055	.007
13-16	--	1.3	.02	.50	.045	.006
16-20	--	1.6	.02	.52	.040	.005
20-23	--	1.6	<.01	.52	.030	.004
23-27	--	1.1	.01	.47	.020	.003
APR						
03-04	14	.80	.02	.63	.130	.007
APR						
04-06	--	1.4	.02	.89	.100	.008
06-07	--	1.4	.02	.59	.070	.006
07-08	--	1.3	.03	.72	.110	.008
08-10	13	1.5	.04	1.3	.210	.018
10-13	--	1.8	.02	.59	.100	.016
13-17	--	1.5	.01	.45	.045	.007
19-20	--	1.3	<.01	.46	.065	.003
20-22	--	1.0	.03	.71	.110	.010
22-24	--	1.8	.04	.88	.100	.013
24-27	--	2.0	.02	1.1	.070	.010
APR 27-						
MAY 01	--	1.7	.01	.96	.045	.004
09-10	--	.90	.03	.90	.050	.005
10-11	--	.80	.05	1.1	.085	.010
11-13	26	.73	.07	2.0	.410	.022
13-15	42	1.4	.05	3.1	.780	.054
15-18	11	<.01	<.01	1.0	.180	.052
18-22	--	1.2	.04	.68	.110	.025
23-24	--	1.2	.04	.81	.110	.015
24-26	--	1.0	.03	.83	.120	.017
JUN						
08-11	--	.80	.03	.69	.090	.031
11-11	--	.70	.06	.59	.130	.035
11-12	--	.52	.04	.82	.140	.030
13-13	21	.54	.04	1.2	.260	.028
13-15	22	1.5	.07	1.4	.350	.067
15-19	11	2.0	.05	1.1	.220	.061

0423204920 EAST BRANCH ALLEN CREEK AT PITTSFORD, NY--Continued

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

DATE	TIME	ENDING TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	TUR-BID-ITY (NTU) (00076)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)
JUL							
15-16	1235	1535	8.6	34	97	72	69
16-17	1635	0735	22	68	60	62	126
17-20	0835	0735	12	62	60	84	81
AUG							
01-01	0310	1710	9.1	13	175	81	--
01-03	1810	0810	5.1	18	83	99	--
15-16	2025	0725	18	68	75	53	128
16-17	0825	0725	22	120	45	64	158
17-21	0815	0715	5.8	35	73	72	42
SEP							
05-07	0840	0740	1.5	10	168	81	--
14-15	2125	0425	3.4	19	95	67	--
15-18	0525	0825	2.9	11	100	88	--
22-23	1250	1150	15	16	157	90	--
23-25	1250	0750	12	32	66	72	48
25-28	0835	0735	7.0	22	81	101	--

DATE	RESIDUE VOLA-TILE, SUS-PENDED (MG/L) (00535)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
JUL						
15-16	12	.39	.03	.72	.170	.024
16-17	17	.87	.03	1.4	.320	.038
17-20	10	2.0	.01	.97	.290	.057
AUG						
01-01	--	.53	.02	.44	.100	.028
01-03	--	.56	.02	.59	.130	.034
15-16	19	.61	.02	2.1	.230	.030
16-17	18	.80	.03	1.8	.380	.036
17-21	7	.81	.02	.77	.140	.035
SEP						
05-07	--	.69	<.01	.34	.075	.032
14-15	--	.60	.03	.52	.130	.026
15-18	--	.54	.01	.48	.085	.022
22-23	--	.31	<.01	.86	.070	.026
23-25	9	.44	.02	.88	.160	.032
25-28	--	.96	.03	.89	.120	.040

04232050 ALLEN CREEK NEAR ROCHESTER, NY

LOCATION.--Lat 43°07'49", long 77°31'08", Monroe County, Hydrologic Unit 04140101, on right bank 525 ft downstream from Penn Central Transportation Co. bridge, near Rochester, and about 1.3 mi upstream from Irondequoit Creek.
DRAINAGE AREA.--30.1 mi^2, flow from 2.83 mi^2 noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 1959 to current year.
REVISED RECORDS.--WRD NY 1974: 1972(M), 1973(M, P). WDR NY-76-1: 1960-75 (M, P), 1960-63, 1972-74.
GAGE.--Water-stage recorder and concrete control. Datum of gage is 323.54 ft above sea level.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Unpublished water-quality records for prior years are available in files of Monroe County Department of Health. Discharge prior to January 1980 included undetermined diversion (maximum 20 ft^3/s) from Erie (Barge) Canal upstream from station. January 1980 to present, diversion reduced to a maximum of 3 ft^3/s for use by several golf courses adjacent to stream. Several measurements of water temperature were made during the year.
COOPERATION.--Many discharge measurements were provided by the Monroe County Health Laboratory at Rochester, N.Y.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,280 ft^3/s, May 17, 1974, gage height, 7.42 ft, from rating curve extended above 1,000 ft^3/s on basis of contracted-opening measurement of peak discharge and step-backwater analysis; minimum daily discharge, 1.7 ft^3/s, Jan. 24, 1963; minimum instantaneous discharge not determined.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 450 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr. 8	1845	583	4.13	June 13	1600	834	4.50
May 13	1545	*1,310	*5.17	July 16	2100	903	4.60

Minimum discharge, 3.5 ft^3/s, Nov. 23, 24.

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	5.4	13	14	14	45	14	21	20	13	50	10
2	7.9	20	11	15	e13	45	23	26	26	11	26	9.8
3	5.1	17	15	43	e13	46	29	17	20	15	51	9.9
4	20	7.1	16	93	13	44	174	15	18	15	24	11
5	9.1	5.2	13	39	13	40	77	17	20	11	14	10
6	6.3	4.4	16	29	13	32	51	16	47	11	12	9.9
7	5.3	3.8	17	25	e12	26	49	16	27	9.2	20	7.4
8	4.6	3.8	18	22	11	23	306	16	26	8.8	14	5.4
9	5.0	3.7	14	21	e13	49	177	15	25	12	28	7.5
10	4.5	9.3	24	29	e15	65	66	49	23	13	20	7.4
11	5.6	15	19	24	e18	38	49	26	57	12	20	14
12	4.6	6.5	13	21	e16	38	63	115	42	10	16	17
13	6.5	5.3	12	e21	e16	40	50	774	285	9.6	12	17
14	99	4.6	14	e20	e15	61	32	116	117	11	9.6	12
15	19	4.4	63	19	e16	58	21	56	86	90	12	29
16	12	4.1	68	e17	e18	53	20	40	64	288	144	14
17	10	4.0	30	e16	e17	55	18	39	41	165	32	9.7
18	29	3.9	21	e15	e18	47	17	60	27	40	21	9.1
19	12	3.8	16	e15	e17	49	28	39	21	22	18	8.2
20	8.5	3.8	15	14	e18	48	62	31	17	16	15	6.2
21	7.1	4.5	27	e13	e21	39	158	26	21	15	14	17
22	6.6	3.8	17	e13	38	35	114	24	19	18	14	7.8
23	7.1	3.6	14	e13	134	30	89	29	15	14	57	134
24	9.1	4.9	12	14	203	26	54	71	14	13	22	58
25	7.2	4.6	12	e13	204	22	39	39	16	12	16	e22
26	6.1	99	13	14	142	16	32	27	14	11	17	e17
27	6.9	34	13	e12	100	15	28	24	33	10	15	e14
28	6.6	15	e13	e12	87	16	25	22	17	10	15	e13
29	6.2	12	13	12	55	18	23	20	16	12	14	e12
30	5.9	16	15	e13	---	16	21	18	20	10	13	10
31	5.6	---	15	e13	---	15	---	18	---	10	12	---
TOTAL	360.4	332.5	592	654	1283	1150	1909	1822	1194	917.6	767.6	529.3
MEAN	11.6	11.1	19.1	21.1	44.2	37.1	63.6	58.8	39.8	29.6	24.8	17.6
MAX	99	99	68	93	204	65	306	774	285	288	144	134
MIN	4.5	3.6	11	12	11	15	14	15	14	8.8	9.6	5.4

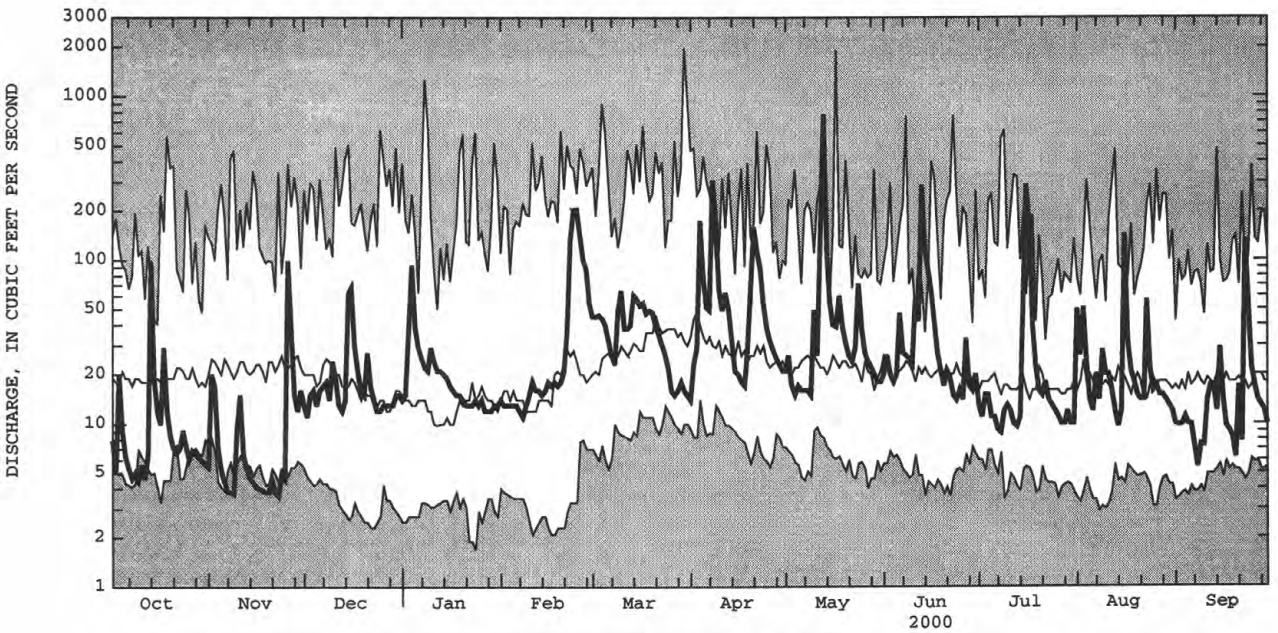
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	24.9	30.7	30.1	25.6	34.8	56.8	45.8	32.7	27.5	22.9	24.4	22.8
MAX	74.8	102	89.7	108	94.9	131	80.7	103	78.4	79.7	50.7	60.5
(WY)	1978	1973	1978	1998	1981	1960	1969	1974	1972	1998	1992	1977
MIN	7.99	7.42	4.80	4.40	10.4	22.6	11.2	8.94	8.99	7.18	8.84	6.07
(WY)	1962	1961	1961	1963	1989	1981	1995	1995	1995	1960	1961	1961

e Estimated

04232050 ALLEN CREEK NEAR ROCHESTER, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1960 - 2000	
ANNUAL TOTAL	8516.2		11511.4			
ANNUAL MEAN	23.3		31.5		31.3	
HIGHEST ANNUAL MEAN					50.6	1978
LOWEST ANNUAL MEAN					16.1	1995
HIGHEST DAILY MEAN	604	Jan 24	774	May 13	1970	Mar 30 1960
LOWEST DAILY MEAN	3.1	Jan 10	3.6	Nov 23	1.7	Jan 24 1963
ANNUAL SEVEN-DAY MINIMUM	3.2	Jan 7	3.9	Nov 17	2.3	Feb 15 1962
10 PERCENT EXCEEDS	46		60		57	
50 PERCENT EXCEEDS	12		16		20	
90 PERCENT EXCEEDS	4.6		6.6		7.5	



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

04232050 ALLEN CREEK NEAR ROCHESTER, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1983 to current year.
CHEMICAL DATA: 1983-2000 (e).
NUTRIENT DATA: 1983-2000 (e).
PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: November 1994 to current year.
INSTRUMENTATION.--Automatic water sampler since October 1983. Water temperature recorder since November 1994 provides 15-minute-interval readings.
COOPERATION.--Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, N.Y.
REMARKS.--Prior to 1994 water year, data published in "Water Resources of Monroe County New York, Water Years 1984-88", U.S. Geological Survey Open-File report 93-370, and in "Water Resources of Monroe County New York, Water Years 1989-93", U.S. Geological Survey Open-File Report 97-587.
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum, 26.5°C, July 5, 1999; minimum, 0°C, many days during winter period.
EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum, 23.5°C, Aug. 1; minimum, 0°C, 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	13.0	9.5	11.0	5.0	3.0	4.0	3.0	1.5	2.5
2	15.5	12.5	14.0	13.5	11.5	12.5	5.0	3.0	4.5	5.0	2.0	3.0
3	14.5	13.0	14.0	13.0	8.5	10.5	7.5	5.0	6.5	5.0	3.5	4.5
4	13.0	12.0	12.0	9.5	8.0	8.5	8.5	7.0	8.0	6.0	3.5	5.0
5	12.5	11.5	12.0	10.5	8.0	9.0	10.5	8.0	9.0	4.0	1.5	3.0
6	12.0	10.0	11.5	10.0	8.5	9.0	10.0	7.5	9.0	3.0	1.5	2.5
7	11.0	9.5	10.0	8.5	6.5	7.5	7.5	6.0	6.5	3.5	2.0	3.0
8	12.5	9.0	10.5	8.5	6.5	7.5	6.0	5.0	5.5	3.0	1.0	2.0
9	14.5	12.0	13.5	11.5	8.0	10.0	6.5	4.5	5.5	3.5	2.5	3.0
10	15.0	13.0	14.0	12.5	11.0	11.5	8.0	6.0	7.0	4.5	2.5	3.0
11	15.0	12.5	14.0	11.0	7.5	9.0	6.5	5.0	5.5	4.5	3.5	4.0
12	13.0	11.0	12.0	9.0	7.0	8.0	5.5	4.5	5.0	3.5	2.5	3.0
13	15.5	11.5	13.0	10.0	8.5	9.0	6.0	5.0	5.5	2.5	.5	1.5
14	14.5	11.0	12.0	10.0	8.0	9.5	5.5	3.0	5.0	.5	.0	.5
15	12.5	10.5	11.5	8.0	5.5	7.0	5.0	3.5	4.5	1.5	.0	1.0
16	14.0	11.0	12.5	5.5	4.5	5.0	5.0	4.5	4.5	2.5	.0	1.5
17	14.0	12.5	13.5	5.5	4.0	4.5	4.5	3.0	4.0	.0	.0	.0
18	12.5	11.0	12.0	7.0	4.5	6.0	3.5	2.5	3.0	.0	.0	.0
19	12.0	10.0	11.0	9.0	6.5	7.5	3.0	1.5	2.5	.5	.0	.0
20	12.5	11.0	11.5	9.0	8.0	8.5	5.5	3.0	4.5	1.5	.0	.5
21	12.0	9.5	11.0	10.0	8.0	9.0	5.0	1.5	2.5	.0	.0	.0
22	11.5	10.0	10.5	12.5	9.5	10.5	2.0	1.0	1.5	.0	.0	.0
23	11.0	9.5	10.0	12.5	10.0	11.0	1.5	.5	1.0	1.0	.0	.0
24	10.5	9.5	10.0	12.0	10.0	11.0	1.0	.0	.5	1.5	.0	.5
25	11.0	9.0	10.0	10.0	8.5	9.0	1.5	.0	.5	.5	.0	.5
26	11.5	9.5	10.5	10.0	8.0	9.0	2.0	.5	1.0	1.0	.0	.5
27	10.5	8.5	10.0	9.5	8.5	9.0	1.5	.0	1.0	.0	.0	.0
28	10.5	7.5	9.0	8.5	7.5	8.0	1.0	.0	.5	.0	.0	.0
29	12.0	9.0	10.0	7.5	5.5	7.0	1.5	.5	1.0	.0	.0	.0
30	13.0	9.5	11.0	6.5	5.0	5.5	2.5	1.0	2.0	.5	.0	.0
31	13.5	11.0	12.0	---	---	---	2.0	1.0	1.5	1.5	.5	1.0
MONTH	15.5	7.5	11.7	13.5	4.0	8.7	10.5	.0	4.0	6.0	.0	1.5

04232050 ALLEN CREEK NEAR ROCHESTER, 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	.0	1.0	5.5	3.5	4.5	11.0	6.0	9.0	13.0	10.0	11.5
2	1.0	.0	.5	5.0	2.5	3.5	10.0	9.0	9.5	15.0	11.0	13.0
3	1.5	.5	1.0	4.5	2.0	3.0	10.5	8.5	9.5	16.5	10.5	13.0
4	1.5	1.0	1.0	5.5	2.5	4.0	10.0	8.5	9.5	15.5	11.0	13.5
5	1.5	.0	1.0	5.5	4.0	5.0	8.5	6.0	7.0	18.0	13.5	15.5
6	2.0	.0	1.0	7.0	4.0	5.5	8.5	5.5	7.0	19.5	14.5	17.0
7	2.0	.0	1.0	7.5	4.5	6.0	9.5	6.5	8.0	20.0	15.5	17.5
8	1.0	.0	.0	11.0	6.5	8.5	8.0	6.0	7.5	19.5	16.0	17.5
9	3.0	.0	1.5	12.5	9.5	10.5	7.5	5.0	6.0	21.0	17.0	18.5
10	2.5	2.0	2.0	9.5	5.0	6.5	6.0	5.0	5.5	19.0	16.0	17.5
11	2.0	.5	1.5	5.0	3.5	4.5	5.5	4.5	5.0	17.5	14.0	16.0
12	1.5	.0	1.0	3.5	2.0	3.0	7.0	4.0	5.5	17.0	14.5	15.5
13	2.0	.0	1.0	5.5	2.0	3.5	9.0	4.5	6.5	18.5	16.5	17.5
14	1.5	1.0	1.0	6.5	4.0	5.5	11.5	5.5	8.5	16.5	14.0	15.0
15	2.5	.5	1.5	7.0	5.0	6.0	15.0	9.5	12.0	15.0	13.0	14.0
16	2.5	1.5	2.0	6.5	3.0	5.5	13.0	9.5	11.0	14.5	12.0	13.5
17	2.0	.5	1.0	5.0	3.0	3.5	9.5	8.0	8.5	17.0	13.0	15.0
18	1.5	.5	1.0	5.5	2.0	3.5	9.5	8.0	8.5	16.0	14.5	15.5
19	1.5	.5	1.0	7.0	3.0	5.0	11.0	8.5	9.5	14.5	11.5	12.5
20	2.5	1.0	1.5	8.5	5.5	7.0	10.5	9.5	10.5	12.0	11.5	12.0
21	3.5	1.5	2.0	8.5	6.5	7.5	11.0	10.5	10.5	12.5	11.5	12.0
22	4.0	1.5	2.5	9.0	7.0	8.0	10.5	9.0	10.0	13.5	11.5	12.5
23	2.5	1.5	2.0	9.5	7.0	8.5	9.0	8.5	9.0	14.0	11.5	13.0
24	4.0	1.5	2.5	11.5	7.0	9.0	12.5	7.5	9.5	16.0	13.5	14.5
25	3.5	2.5	3.0	13.0	9.0	10.5	12.5	8.0	10.5	14.5	13.0	14.0
26	5.5	3.0	4.0	10.5	8.5	10.0	12.5	8.5	10.5	14.0	12.0	13.0
27	6.5	4.5	5.5	8.5	7.0	8.0	11.0	9.5	10.0	15.0	12.0	13.5
28	6.0	3.5	5.0	9.5	7.5	8.0	14.0	8.5	11.0	14.5	12.5	13.5
29	5.5	3.0	4.0	8.0	6.0	7.0	14.5	9.0	12.0	16.0	12.5	14.0
30	---	---	---	7.5	6.0	6.5	14.5	10.0	12.5	16.0	13.0	14.5
31	---	---	---	9.5	5.0	7.0	---	---	---	17.5	14.0	15.5
MONTH	6.5	.0	1.8	13.0	2.0	6.3	15.0	4.0	9.0	21.0	10.0	14.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	18.0	15.5	16.0	20.5	16.0	18.0	23.5	19.5	21.5	23.0	20.0	21.5
2	18.0	14.5	16.0	20.5	16.5	18.5	23.0	21.0	22.0	21.5	20.0	20.5
3	17.5	14.5	15.5	18.5	17.5	18.0	22.0	20.0	21.0	20.0	19.0	19.5
4	15.5	13.0	14.5	20.0	17.5	18.5	20.5	18.5	19.5	19.5	17.0	18.5
5	14.5	12.5	13.5	20.0	16.5	18.0	20.5	17.5	19.0	17.5	15.5	16.5
6	14.0	13.0	13.5	18.5	15.5	17.0	19.0	17.5	18.0	18.0	14.0	16.0
7	16.0	12.0	14.0	19.0	15.5	16.5	22.0	18.5	20.0	18.5	14.5	16.5
8	16.5	14.0	15.0	18.5	15.0	16.5	22.0	19.0	20.5	18.5	16.5	17.5
9	17.0	14.5	15.5	17.5	15.0	16.5	23.0	20.0	21.5	20.5	18.0	19.0
10	20.0	15.0	17.0	19.0	17.0	18.0	22.0	20.0	21.0	21.5	17.5	19.5
11	18.0	16.5	17.5	20.5	16.5	18.0	20.0	19.0	19.5	20.5	19.5	20.0
12	16.5	15.0	15.5	21.0	16.5	18.5	20.0	18.0	19.0	21.5	19.0	20.0
13	17.0	14.5	16.0	20.0	16.5	18.5	20.0	17.5	18.5	20.0	18.0	19.0
14	19.5	16.5	18.0	19.5	17.0	18.5	21.0	17.5	19.0	18.5	16.5	18.0
15	21.5	17.5	19.5	19.5	17.5	18.0	21.5	18.0	20.0	18.0	17.0	17.5
16	21.5	19.0	20.0	21.0	18.5	19.5	21.5	19.5	20.5	17.0	15.5	16.0
17	20.5	18.0	19.5	20.5	18.5	19.5	19.5	18.0	19.0	17.5	14.5	16.0
18	18.0	15.0	16.5	20.0	18.5	19.5	19.0	16.5	17.5	18.5	16.0	17.0
19	18.0	14.0	15.5	19.0	17.0	18.0	18.5	17.0	17.5	19.5	16.5	18.0
20	19.0	15.5	17.0	19.0	15.5	17.5	18.5	16.0	17.0	20.5	17.0	18.5
21	19.5	16.5	18.0	18.5	16.5	17.5	18.5	15.0	16.5	19.0	16.0	17.5
22	20.0	17.5	19.0	19.0	17.0	18.0	19.0	15.5	17.5	16.5	14.5	15.5
23	19.0	16.0	17.0	19.5	16.5	17.5	19.5	17.5	18.5	17.5	14.5	16.0
24	19.0	15.5	17.0	19.5	16.5	18.0	20.0	18.0	19.0	17.5	15.0	16.5
25	19.5	17.0	18.0	20.5	16.5	18.5	19.5	17.0	18.5	15.0	14.0	14.5
26	21.0	17.5	19.0	21.0	17.5	19.0	20.0	17.5	18.5	15.0	13.0	14.0
27	21.0	18.0	20.0	21.0	18.0	19.5	19.5	18.5	19.0	15.5	13.0	14.5
28	19.0	16.5	18.0	21.5	18.0	19.5	20.5	17.5	19.0	15.0	12.0	13.5
29	18.0	16.5	17.5	21.5	18.5	20.0	21.0	18.5	20.0	13.5	10.5	12.0
30	19.5	16.5	17.5	20.5	19.0	19.5	21.5	19.5	20.5	14.5	11.5	13.0
31	---	---	---	21.5	19.0	20.5	22.5	19.5	21.0	---	---	---
MONTH	21.5	12.0	16.9	21.5	15.0	18.3	23.5	15.0	19.3	23.0	10.5	17.1

04232050 ALLEN CREEK NEAR ROCHESTER, NY--Continued

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

DATE	TIME	ENDING TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	TUR-BID-ITY (NTU) (00076)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)
OCT							
04-04	0030	0730	15	4.7	88	147	--
04-08	0925	0825	8.7	6.6	76	118	--
13-14	1850	0750	110	41	69	84	186
14-18	0830	0730	24	7.6	69	114	--
18-21	0825	0725	12	4.1	77	122	--
NOV							
02-02	1135	2235	30	32	115	163	81
02-04	2335	0735	15	12	60	88	--
04-07	0810	0710	5.1	1.8	94	168	--
24-25	0930	1930	5.3	1.2	97	211	--
25-26	2030	2030	86	32	65	116	--
26-27	2130	1130	54	11	52	84	--
NOV 30-							
DEC 02	0905	0805	14	4.7	83	542	--
14-16	1120	0720	58	21	58	326	--
16-20	0820	0720	26	7.9	65	211	--
20-22	0835	0835	22	9.4	84	196	--
JAN							
06...	0835	--	29	11	73	249	--
10...	0810	--	22	7.5	91	232	--
10-14	1400	0800	23	9.0	85	274	--
FEB							
07-10	0935	0835	12	1.9	132	585	--
22-24	0810	0710	110	27	73	703	--
24-25	0810	1510	200	31	49	388	66
25-27	1610	1910	130	19	50	305	--
FEB 28-							
MAR 02	0815	0715	56	9.3	64	306	--
09-10	0745	0245	70	40	68	326	123
10-13	0345	0645	43	8.0	80	444	--
13-16	0805	0705	54	5.8	70	431	--
APR							
03-04	1720	0720	140	60	57	219	289
04-06	0820	0720	96	22	50	237	--
12-13	0915	0715	62	11	54	269	--
13-17	0810	0710	28	3.3	62	271	--
20-21	1205	0705	120	38	42	163	96
21-23	0805	1905	120	17	45	164	--
MAY							
11-11	0805	2305	23	2.4	57	187	--
12-13	0005	0305	150	83	37	121	--
13-15	0405	0705	380	110	32	102	219
15-17	0845	2245	43	26	50	139	--
18-22	0825	0725	38	16	59	147	--
JUN							
08-11	0815	0715	24	2.1	78	182	--
11-11	0815	1915	64	35	62	138	137
13-13	0825	1625	320	100	41	91	410
15-18	0810	2310	54	26	48	119	--
JUL							
15-16	1215	1715	130	49	48	79	153
AUG							
11-14	1605	0705	16	28	59	119	--
15-16	2310	0410	150	100	62	89	472
16-17	0510	0710	100	57	31	69	96
17-21	0820	0720	19	14	59	112	--
SEP							
05-07	0810	0710	9.8	3.2	103	123	--

04232050 ALLEN CREEK NEAR ROCHESTER, NY--Continued

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

DATE	RESIDUE VOLA-TILE, SUS-PENDED (MG/L) (00535)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)
OCT						
04-04	--	.60	.02	.39	.055	.014
04-08	--	.63	<.01	.48	.060	.017
13-14	20	.52	.01	.64	.280	.026
14-18	--	.50	<.01	.47	.075	.017
18-21	--	.55	<.01	.40	.030	.015
NOV						
02-02	12	.48	<.01	.61	.190	.027
02-04	--	.34	<.01	.42	.085	.029
04-07	--	.35	<.01	.61	.035	.016
24-25	--	.45	<.01	.49	.030	.013
25-26	--	.36	.01	1.2	.220	.020
26-27	--	.45	<.01	.75	.080	.017
NOV 30-						
DEC 02	--	.71	.02	.57	.035	.012
14-16	--	.85	.03	.78	.100	.016
16-20	--	1.9	.01	.67	.050	.016
20-22	--	1.3	.02	.56	.045	.012
JAN						
06...	--	1.8	.03	.67	.055	.016
10...	--	1.6	.02	.46	.045	.012
10-14	--	1.3	.03	.38	.050	.010
FEB						
07-10	--	1.1	.05	.45	.020	.005
22-24	--	1.4	.10	.71	.140	.010
24-25	10	2.0	.09	1.0	.150	.028
25-27	--	2.2	.05	.85	.110	.026
FEB 28-						
MAR 02	--	1.9	.03	.77	.065	.015
09-10	21	.90	.06	1.4	.190	.004
10-13	--	1.1	.02	.63	.045	.006
13-16	--	1.1	<.01	.71	.040	.005
APR						
03-04	42	.73	.01	1.9	.470	.008
04-06	--	.93	.01	.81	.095	.006
12-13	--	1.4	<.01	.50	.060	.007
13-17	--	1.2	<.01	.49	.040	.004
20-21	16	.81	.04	.77	.200	.006
21-23	--	.92	.02	.61	.050	.008
MAY						
11-11	--	.75	.02	1.1	.040	.008
12-13	--	.67	.07	1.9	.450	.012
13-15	25	.95	.06	2.1	.215	.026
15-17	--	1.5	.03	.70	.110	.028
18-22	--	1.3	.06	.46	.100	.016
JUN						
08-11	--	1.1	.02	.44	.045	.020
11-11	19	1.0	.03	1.2	.230	.020
13-13	41	.71	<.01	.77	.420	.033
15-18	--	1.7	.04	.87	.170	.045
JUL						
15-16	19	.59	.02	.97	.260	.027
AUG						
11-14	--	.73	<.01	.30	.095	.030
15-16	46	.78	.04	2.1	.560	.032
16-17	13	.66	.03	1.1	.230	.029
17-21	--	.82	<.01	.79	.090	.027
SEP						
05-07	--	.88	.02	.33	.045	.026

0423205010 IRONDEQUOIT CREEK ABOVE BLOSSOM ROAD, ROCHESTER, NY

LOCATION.--Lat 43°08'42", long 77°30'44", Monroe County, Hydrologic Unit 04140101, on right bank 4,000 ft upstream from bridge on Blossom Road, 1.8 mi east of Rochester, 1.7 mi downstream from Allen Creek, and 4.4 mi upstream from mouth.
DRAINAGE AREA.--142 mi^2., flow from 7.78 mi^2. noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Occasional discharge measurements water years 1977-80. December 1980 to current year.
GAGE.--Water-stage recorder. Datum of gage is 247.87 ft above sea level (levels by Corps of Engineers). Prior to Oct. 1, 1991, at site 0.8 mi downstream at datum 1.56 ft lower.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Discharge includes undetermined diversion from Erie (Barge) Canal. Unpublished water-quality records for prior years are available in files of Monroe County Department of Health. Several measurements of water temperature were made during the year.
COOPERATION.--Discharge measurements were provided by the Monroe County Environmental Health Laboratory at Rochester, N.Y.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,300 ft^3/s, Jan. 8, 1998, gage height, 9.95 ft; minimum discharge, 27 ft^3/s, Aug. 31, 1995, gage height, 2.14 ft.
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)
Apr. 9	0030	988	8.21	June 13	1800	1,040	8.32
May 13	0945	*2,420	*9.51				

Minimum discharge, 30 ft^3/s, Nov. 9, 10, 17, 18, 19, gage height, 2.25 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	62	42	120	66	71	266	74	118	112	79	226	e54
2	54	64	86	68	e68	240	90	149	114	72	127	e54
3	50	94	83	111	e66	224	139	128	104	73	134	e58
4	100	64	91	302	68	217	509	115	95	84	130	e64
5	70	55	78	243	e64	209	401	103	94	73	79	e58
6	55	49	80	150	e63	185	260	103	172	66	68	e54
7	52	47	92	126	e64	162	242	94	127	62	90	e52
8	50	46	83	109	e60	144	583	87	105	59	80	e52
9	51	41	72	96	e68	176	821	83	96	59	93	e54
10	49	37	100	126	e76	235	442	168	92	63	76	e56
11	50	49	107	144	e84	187	303	132	148	64	77	e58
12	48	35	76	119	e75	179	298	279	164	60	90	67
13	50	32	70	106	e72	181	268	1900	485	58	76	90
14	251	31	78	88	e76	228	196	1130	684	61	66	61
15	103	32	208	e86	75	269	158	426	409	122	62	111
16	68	31	292	e86	80	256	141	289	335	287	326	70
17	61	30	208	e75	83	262	130	235	231	248	129	58
18	124	30	139	e70	80	243	129	250	175	118	89	53
19	74	33	104	e68	82	228	136	245	146	84	77	51
20	62	32	97	e68	80	241	178	201	130	72	67	48
21	56	32	107	e64	83	205	489	181	139	75	61	61
22	55	32	84	e66	115	181	453	168	147	78	60	e50
23	53	35	73	e66	272	159	385	178	106	66	e140	290
24	54	37	e58	e64	504	146	293	333	86	62	e100	239
25	52	40	e60	e62	713	136	220	324	85	59	e80	135
26	51	224	66	e64	660	119	180	231	85	56	e66	96
27	50	201	64	e62	496	110	158	179	143	56	e64	80
28	50	102	e55	e62	477	95	144	152	96	60	e60	90
29	48	77	e62	e60	346	102	130	133	85	78	e58	70
30	44	112	67	e64	---	96	118	120	97	60	e56	64
31	42	---	68	e70	---	78	---	113	---	60	e54	---
TOTAL	2039	1766	3028	3011	5121	5759	8068	8347	5087	2574	2961	2398
MEAN	65.8	58.9	97.7	97.1	177	186	269	269	170	83.0	95.5	79.9
MAX	251	224	292	302	713	269	821	1900	684	287	326	290
MIN	42	30	55	60	60	78	74	83	85	56	54	48
CFSM	.49	.44	.73	.72	1.32	1.39	2.01	2.01	1.27	.62	.71	.60
IN.	.57	.49	.84	.84	1.42	1.60	2.24	2.32	1.41	.71	.82	.67

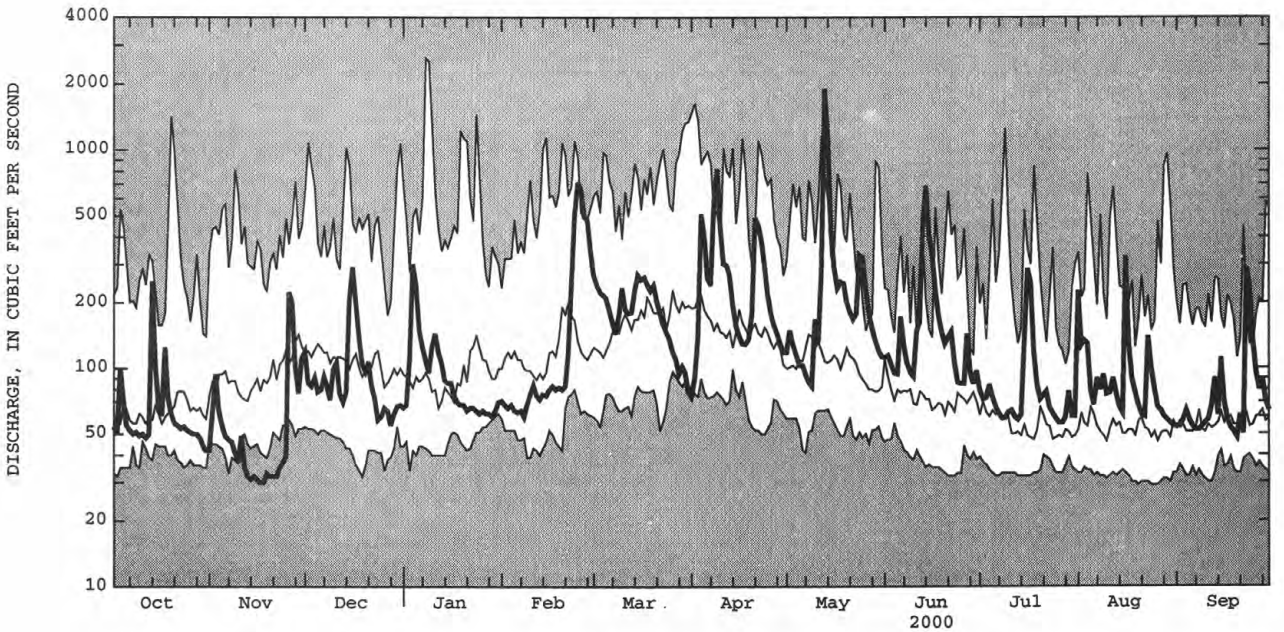
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	89.0	119	139	147	170	222	223	147	96.7	75.3	80.1	72.7
MAX	191	224	253	446	347	348	468	292	186	194	253	132
(WY)	1997	1986	1997	1998	1981	1993	1993	1984	1989	1998	1992	1992
MIN	39.5	54.5	49.5	60.8	67.1	122	82.8	62.1	46.9	42.2	40.8	39.8
(WY)	1983	1992	1990	1989	1989	1988	1995	1995	1988	1983	1985	1995

e Estimated

0423205010 IRONDEQUOIT CREEK ABOVE BLOSSOM ROAD, ROCHESTER, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1981 - 2000	
ANNUAL TOTAL	41139		50159			
ANNUAL MEAN	113		137		133	
HIGHEST ANNUAL MEAN					182	1993
LOWEST ANNUAL MEAN					80.1	1995
HIGHEST DAILY MEAN	1450	Jan 24	1900	May 13	2620	Jan 8 1998
LOWEST DAILY MEAN	30	Nov 17	30	Nov 17	29	Aug 20 1985
ANNUAL SEVEN-DAY MINIMUM	31	Nov 13	31	Nov 13	30	Aug 21 1995
ANNUAL RUNOFF (CFSM)	.84		1.02		.99	
ANNUAL RUNOFF (INCHES)	11.42		13.92		13.45	
10 PERCENT EXCEEDS	212		267		255	
50 PERCENT EXCEEDS	72		86		87	
90 PERCENT EXCEEDS	43		51		45	



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

0423205010 IRONDEQUOIT CREEK ABOVE BLOSSOM ROAD, ROCHESTER, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1983 to current year.
CHEMICAL DATA: 1983-2000 (e).
NUTRIENT DATA: 1983-2000 (e).
PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: November 1994 to current year.
INSTRUMENTATION.--Automatic water sampler since October 1983. Water temperature recorder since November 1994 provides 15-minute-interval readings.
COOPERATION.--Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, N.Y.
REMARKS.--Prior to 1994 water year, data published in "Water Resources of Monroe County New York, Water Years 1984-88", U.S. Geological Survey Open-File Report 93-370 and in "Water Resources of Monroe County New York, Water Years 1989-93", U.S. Geological Survey Open-File Report 97-587.
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum, 27.0°C, July 5, 6, 1999; minimum 0.0°C, many days during winter period.
EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum recorded, 23.0°C, Aug. 2, 9; minimum recorded 3.5°C, Apr. 12.

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	---	---	---	---	---	---	---	---	---	---	---	---
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	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

0423205010 IRONDEQUOIT CREEK ABOVE BLOSSOM ROAD, ROCHESTER, 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	---	---	---	---	---	---	10.0	6.0	8.0	13.0	10.5	12.0
2	---	---	---	---	---	---	9.0	9.0	9.0	15.0	11.0	12.5
3	---	---	---	---	---	---	10.0	8.5	9.0	16.0	11.0	13.5
4	---	---	---	---	---	---	9.5	9.0	9.5	15.5	12.5	14.0
5	---	---	---	---	---	---	9.0	6.0	7.0	18.5	14.5	16.5
6	---	---	---	---	---	---	7.5	6.0	6.5	20.5	16.0	18.5
7	---	---	---	---	---	---	8.5	6.5	7.5	21.0	18.0	19.5
8	---	---	---	---	---	---	8.0	6.0	7.5	21.0	18.5	20.0
9	---	---	---	---	---	---	6.0	5.0	5.5	21.5	19.0	20.0
10	---	---	---	---	---	---	6.0	5.0	5.5	20.5	17.0	18.5
11	---	---	---	---	---	---	5.0	4.0	4.5	18.5	15.5	17.0
12	---	---	---	---	---	---	6.0	3.5	4.5	17.0	15.0	16.0
13	---	---	---	---	---	---	7.5	4.5	6.0	18.0	16.5	17.5
14	---	---	---	---	---	---	10.5	6.0	8.0	17.5	15.0	16.0
15	---	---	---	---	---	---	14.5	9.5	11.5	15.5	14.5	15.0
16	---	---	---	---	---	---	13.5	10.5	12.0	14.5	13.5	14.0
17	---	---	---	---	---	---	10.5	8.0	9.0	17.0	13.5	15.0
18	---	---	---	---	---	---	9.0	7.5	8.5	16.5	15.0	16.0
19	---	---	---	---	---	---	10.5	8.5	9.0	15.5	13.0	14.0
20	---	---	---	---	---	---	10.5	9.5	10.0	13.0	12.5	12.5
21	---	---	---	---	---	---	10.5	10.0	10.5	13.0	12.0	12.5
22	---	---	---	---	---	---	10.5	9.0	10.0	14.0	12.0	13.0
23	---	---	---	---	---	---	9.0	8.0	8.5	15.0	12.5	13.5
24	---	---	---	---	---	---	11.0	7.0	9.0	16.0	13.5	15.0
25	---	---	---	---	---	---	12.0	8.5	10.5	16.0	14.5	15.5
26	---	---	---	---	---	---	12.5	9.0	10.5	15.0	14.0	14.5
27	---	---	---	---	---	---	11.0	10.0	10.5	16.0	13.5	14.5
28	---	---	---	9.0	7.5	8.0	13.5	8.5	10.5	15.5	14.0	14.5
29	---	---	---	7.5	6.0	7.0	14.5	9.5	12.0	16.5	13.5	15.0
30	---	---	---	7.0	5.5	6.5	14.5	11.0	12.5	17.0	14.0	15.5
31	---	---	---	9.0	5.0	7.0	---	---	---	18.5	15.5	16.5
MONTH	---	---	---	---	---	---	14.5	3.5	8.8	21.5	10.5	15.4

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	19.0	17.0	17.5	19.5	17.0	18.0	22.5	20.5	21.5	22.0	20.0	21.0
2	19.5	16.5	17.5	19.5	17.5	18.5	23.0	21.0	22.0	21.0	20.0	20.5
3	18.5	16.0	17.5	19.0	18.0	18.5	21.5	20.0	21.0	20.0	19.0	19.5
4	17.0	15.0	16.0	19.5	18.0	18.5	20.0	18.5	19.5	19.0	17.0	18.5
5	15.5	14.0	14.5	19.5	17.0	18.5	20.5	17.5	19.0	17.0	15.0	16.0
6	14.0	13.5	14.0	18.5	17.0	17.5	19.0	18.0	18.0	16.0	13.5	15.0
7	16.0	13.0	14.0	18.5	16.0	17.5	21.0	18.0	19.5	18.0	13.5	15.5
8	17.0	14.5	15.5	18.0	16.0	17.0	21.5	19.0	20.5	17.0	15.5	16.0
9	17.5	16.0	16.5	17.0	16.0	16.5	23.0	20.5	21.5	18.5	16.5	17.5
10	21.0	16.0	18.5	18.5	16.5	17.5	22.0	20.0	21.0	19.5	17.0	18.0
11	19.5	16.5	18.5	20.5	16.5	18.5	21.0	19.5	20.0	19.5	18.5	19.0
12	17.5	15.5	16.5	20.5	17.0	19.0	19.5	18.0	19.0	20.5	19.0	19.5
13	17.5	15.0	16.0	20.5	17.5	19.0	19.5	17.5	18.5	19.5	17.5	18.5
14	19.5	17.0	18.0	19.5	18.0	18.5	20.5	17.5	19.0	17.5	16.0	16.5
15	20.5	18.5	19.0	19.0	18.0	18.5	21.0	18.5	20.0	17.0	16.0	16.5
16	20.0	18.5	19.0	21.0	18.0	19.0	21.0	19.5	20.5	16.0	14.5	15.0
17	18.5	17.5	18.0	20.5	18.5	19.5	19.5	18.0	19.0	15.5	13.5	14.5
18	17.5	15.5	16.5	20.0	18.5	19.5	18.5	16.5	17.5	16.5	14.5	15.5
19	16.5	15.0	15.5	19.0	17.5	18.0	18.0	16.5	17.5	17.5	15.0	16.0
20	18.0	15.5	16.5	19.5	16.0	17.5	17.5	15.5	16.5	18.0	15.5	17.0
21	18.5	17.0	17.5	18.5	17.0	17.5	17.5	14.5	16.0	17.5	15.0	16.5
22	19.0	17.5	18.5	18.5	17.0	18.0	18.0	15.0	16.5	---	---	---
23	18.5	17.0	17.5	19.0	16.5	18.0	18.5	17.0	17.5	16.0	13.5	14.5
24	18.5	16.5	17.0	19.0	16.5	18.0	19.5	17.5	18.5	16.5	14.5	15.5
25	19.0	17.5	18.5	20.0	17.0	18.5	19.5	17.0	18.0	15.0	13.0	14.0
26	20.0	17.5	19.0	21.0	18.0	19.5	19.5	17.0	18.0	14.0	12.0	13.0
27	20.0	18.5	19.5	21.0	18.5	19.5	19.0	18.0	18.5	14.5	11.5	13.0
28	19.5	17.5	18.5	21.5	18.5	20.0	20.0	17.5	18.5	14.0	11.0	12.5
29	18.5	17.5	18.0	22.0	19.5	20.5	20.5	18.0	19.5	12.0	9.0	11.0
30	18.5	16.5	17.5	21.0	19.5	20.0	21.0	19.0	20.0	12.5	10.0	11.5
31	---	---	---	21.5	19.5	20.5	22.0	19.0	20.5	---	---	---
MONTH	21.0	13.0	17.2	22.0	16.0	18.5	23.0	14.5	19.1	---	---	---

0423205010 IRONDEQUOIT CREEK ABOVE BLOSSOM ROAD, ROCHESTER, NY--Continued

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

DATE	TIME	ENDING TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TUR-BID-ITY (NTU) (00076)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
OCT								
04-08	0950	0850	66	--	8.3	--	178	106
08-12	0950	0850	50	--	6.4	--	210	117
12-13	1015	1915	48	--	8.4	--	197	112
13-14	2015	0815	234	--	38	--	160	94
14-18	0905	0805	105	--	7.4	--	132	101
18-21	0905	0805	76	--	6.7	--	161	105
21-25	0915	0815	54	--	3.8	--	201	119
25-28	0955	0855	50	--	3.2	--	203	119
OCT 28-								
NOV 01	0900	0800	45	--	4.0	--	209	118
01-02	0915	1415	42	--	3.5	--	240	124
02-03	1515	0215	114	--	20	--	205	113
03-04	0315	0815	80	--	14	--	170	98
04-05	0845	1545	59	--	3.3	--	189	116
08-12	0900	0800	42	--	4.4	--	190	113
12-14	0910	1310	33	--	4.5	--	192	126
15-18	0920	0820	31	--	3.0	--	243	145
18-22	0840	0740	32	--	2.7	--	221	141
22-24	0950	0850	34	--	4.4	--	234	140
24-25	1015	2015	40	1250	3.2	230	200	136
25-26	2115	2115	192	1030	24	196	151	110
26-29	2215	0915	145	947	19	183	133	107
NOV 29-								
DEC 02	0900	0800	105	1290	5.8	203	159	200
02-06	0855	0755	83	--	5.2	--	168	163
06-09	0905	0805	85	--	3.7	--	188	149
09-13	0850	0750	88	--	5.9	--	160	142
13-14	0855	1355	71	--	3.7	--	186	144
14-16	1455	0755	206	--	23	--	136	231
16-20	0905	0805	165	--	23	--	127	159
20-23	0920	0820	93	--	6.2	--	171	154
23-27	0850	0750	63	--	3.4	--	183	147
27-30	0920	0820	62	--	3.3	--	205	186
DEC 30								
JAN 03	0905	0805	68	--	2.7	--	194	184
03-04	0935	0235	165	1360	25	230	173	192
04-06	0335	0835	251	1070	55	183	105	161
06-10	0910	0810	114	1230	9.1	228	157	160
10-14	0845	0745	123	1290	4.2	235	153	179
14-18	0945	0845	86	--	3.2	--	177	194
18-20	0855	0755	69	--	3.4	--	198	197
20-24	0905	0805	66	--	2.3	--	208	236
24-27	0915	0815	63	--	1.8	--	200	199
27-31	0945	0845	63	--	2.0	--	203	209
JAN 31-								
FEB 03	0905	0805	69	--	1.2	--	286	263
03-07	0905	0805	65	--	1.4	--	200	290
07-10	1555	0955	66	1740	3.0	253	197	279
10-14	1055	0955	77	--	1.6	--	175	388
14-18	1030	0830	79	--	2.3	--	187	566
18-22	0910	0810	83	--	1.9	--	187	479
22-24	0850	0750	254	2310	19	212	128	483
24-25	0855	2355	646	1360	45	159	73	270
26-28	0055	0755	562	1090	30	164	75	183
FEB 28-								
MAR 02	0910	0810	333	1120	23	183	94	187
02-06	0920	0820	219	1430	42	220	121	244
06-09	1030	0730	156	1320	5.0	226	144	215
MAR 30-								
APR 03	0905	0805	86	--	5.9	--	149	175
03-04	0905	1405	310	1080	44	198	110	169
04-06	1505	0805	408	954	70	188	85	149
06-07	0910	1210	233	1120	21	213	100	156
07-09	1310	0410	542	938	80	182	79	135
09-10	0510	0810	701	816	110	175	60	106
10-13	0915	0815	318	1060	30	211	86	152
13-17	0830	0730	178	1120	13	230	102	146
17-20	0855	0755	132	--	5.4	--	121	154
20-21	0845	0745	283	1030	44	209	90	127
21-24	0845	0745	429	868	57	196	64	116
24-27	0855	0755	212	1040	15	232	89	132

0423205010 IRONDEQUOIT CREEK ABOVE BLOSSOM ROAD, ROCHESTER, NY--Continued

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

DATE	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	RESIDUE VOLA-TILE, SUS-PENDED (MG/L) (00535)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
04-08	--	--	.70	<.01	.47	.160	.016	--
08-12	--	--	.72	<.01	.39	.070	.015	--
12-13	--	--	.62	.02	.50	.070	.014	--
13-14	149	19	.57	.01	.26	.240	.014	--
14-18	--	--	.58	.03	.40	.070	.020	--
18-21	--	--	.54	<.01	.25	.065	.015	--
21-25	--	--	.67	<.01	.24	.050	.014	--
25-28	--	--	.60	<.01	.23	.045	.012	--
OCT 28-								
NOV 01	--	--	.55	<.01	.34	.045	.011	--
01-02	--	--	.57	<.01	.30	.035	.012	--
02-03	--	--	.59	.01	.48	.120	.013	--
03-04	--	--	.40	<.01	.38	.085	.012	--
04-05	--	--	.47	<.01	.67	.050	.014	--
08-12	--	--	.65	.01	.30	.055	.012	--
12-14	--	--	.67	<.01	.43	.060	.009	--
15-18	--	--	.80	<.01	.32	.035	.012	--
18-22	--	--	.78	<.01	.34	.035	.010	--
22-24	--	--	.75	.02	.36	.045	.011	--
24-25	9	<3	.66	<.01	.33	.030	.011	20
25-26	81	13	.56	<.01	.64	.220	.011	10
26-29	40	<10	.52	<.01	.64	.095	.012	20
NOV 29-								
DEC 02	13	<4	.74	<.01	.44	.045	.010	<5
02-06	--	--	.82	<.01	.44	.045	.011	--
06-09	--	--	.80	<.01	.42	.035	.012	--
09-13	--	--	.80	<.01	.56	.045	.011	--
13-14	--	--	.90	<.01	.39	.030	.010	--
14-16	--	--	.85	<.01	.63	.110	.011	--
16-20	--	--	1.3	.01	.73	.100	.014	--
20-23	--	--	1.3	<.01	.42	.035	.012	--
23-27	--	--	1.3	<.01	.32	.030	.010	--
27-30	--	--	1.3	<.01	.37	.020	.011	--
DEC 30-								
JAN 03	--	--	1.2	<.01	.26	.025	.010	--
03-04	67	8	1.1	<.01	.63	.120	.012	45
04-06	110	14	1.1	.05	1.0	.190	.012	50
06-10	14	3	1.4	<.01	.42	.050	.011	15
10-14	22	3	1.3	<.01	.32	.045	.011	15
14-18	--	--	1.3	<.01	.32	.030	.011	--
18-20	--	--	1.3	<.01	.27	.025	.010	--
20-24	--	--	1.5	<.01	.40	.023	.009	--
24-27	--	--	1.2	<.01	.26	.015	.009	--
27-31	--	--	1.4	<.01	.30	.020	.009	--
JAN 31-								
FEB 03	--	--	1.3	<.01	.20	.015	.008	--
03-07	--	--	1.2	<.01	.20	.015	.006	--
07-10	5	<2	1.2	<.01	.38	.025	.007	15
10-14	--	--	1.2	<.01	.31	.015	.007	--
14-18	--	--	1.2	<.01	.33	.015	.008	--
18-22	--	--	1.3	<.01	.25	.015	.006	--
22-24	49	9	1.2	<.01	.59	.075	.005	50
24-25	340	33	1.7	.02	1.4	.400	.008	80
26-28	283	28	1.9	<.01	1.4	.420	.009	70
FEB 28-								
MAR 02	76	8	1.6	.02	.72	.110	.010	10
02-06	120	12	1.5	<.01	1.2	.180	.009	35
06-09	19	3	1.2	<.01	.49	.050	.007	20
MAR 30-								
APR 03	--	--	1.0	<.01	.40	.040	.006	--
03-04	171	22	.84	<.01	1.3	.270	.005	80
04-06	242	27	.77	<.01	1.6	.170	.006	55
06-07	47	7	1.9	.03	.57	.100	.006	35
07-09	306	34	.97	<.01	.62	.450	.007	105
09-10	292	29	.91	<.01	1.3	.390	.010	80
10-13	74	11	1.2	<.01	.59	.130	.009	30
13-17	32	6	1.1	<.01	.43	.080	.006	25
17-20	--	--	1.1	<.01	.46	.035	.006	--
20-21	159	19	1.0	.02	1.5	.190	.006	50
21-24	175	22	.98	.02	1.5	.280	.009	50
24-27	38	6	1.1	<.01	1.0	.085	.008	40

0423205010 IRONDEQUOIT CREEK ABOVE BLOSSOM ROAD, ROCHESTER, NY--Continued

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

DATE	TIME	ENDING TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TUR-BID-ITY (NTU) (00076)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
APR 27-MAY 01	0845	0745	133	--	6.5	--	116	140
01-04	0850	0750	133	--	6.5	--	117	129
04-08	0825	0725	101	--	6.2	--	135	144
08-10	0835	0135	84	--	7.8	--	154	150
10-10	0235	1635	175	--	46	--	112	129
10-11	1735	0735	164	--	26	--	104	121
11-11	0845	2345	122	--	14	--	121	138
12-13	0045	1945	1030	735	320	184	64	85
15-18	0940	0840	278	856	39	212	83	98
18-22	0855	0755	217	971	22	233	92	114
22-23	0950	0850	163	1070	7.4	264	108	125
23-24	0950	1650	232	1000	34	244	101	115
25-26	1750	0850	271	782	100	211	67	87
26-30	0845	0745	162	992	6.5	248	107	112
MAY 30-JUN 01	0840	0740	115	--	9.6	--	142	131
01-05	0840	0740	104	--	7.0	--	137	127
05-07	0915	0515	142	--	14	--	130	119
12...	0905	--	171	--	13	--	104	106
12-13	0910	0810	133	--	20	--	105	116
13-13	0910	2010	642	969	32	217	110	107
13-15	2110	0810	639	582	63	159	63	66
15-19	0840	0740	265	830	58	211	73	91
19-22	0845	0745	140	--	26	--	107	152
22-26	0835	0735	99	--	34	--	134	123
26-29	0845	0745	108	--	36	--	118	108
JUN 29-JUL 03	0835	0735	82	--	27	--	146	127
03-06	0855	0755	77	--	18	--	167	129
06-10	0835	0735	61	--	18	--	177	132
10-13	0850	0750	62	--	13	--	174	124
13-15	0905	1205	62	--	17	--	163	115
15-16	1305	2005	215	872	44	185	126	97
16-17	2105	0805	468	524	120	138	57	59
17-20	0855	0755	110	954	21	194	115	111
24...	0910	--	61	--	3.8	--	168	123
24-27	0920	0820	58	--	5.8	--	170	120
27-31	0925	0825	64	--	3.6	--	172	114
31-31	0850	1950	59	--	35	--	174	124
JUL 31-AUG 01	2050	0950	177	--	36	--	179	118
03-07	0905	0805	101	--	41	--	128	100
07-10	0935	0835	89	--	45	--	143	106
10-13	0840	1340	80	--	390	--	142	108
17...	0855	--	134	798	31	175	91	85
18-21	1605	0705	72	1070	26	215	149	116
21-23	0845	0445	69	--	18	--	178	127
23-24	0545	0745	128	--	73	--	98	76
24-28	0850	0750	74	--	25	--	157	115
AUG 28-SEP 01	0905	0805	56	--	12	--	178	126
01-05	0910	0810	58	--	8.9	--	188	122
05-07	0850	0450	55	--	8.7	--	194	121
07-11	0845	0745	54	--	7.3	--	196	121
11-14	0855	0755	75	--	15	--	146	100
14-15	0935	0835	86	--	16	--	143	108
15-18	0935	0835	70	--	13	--	150	109
18-21	0955	0755	51	--	7.5	--	192	123
21-22	0840	2340	55	--	8.0	--	170	114
23-23	0040	1540	278	811	72	167	116	82
23-25	1640	0740	237	670	66	151	90	78
25-28	0855	0755	96	990	19	207	123	103
SEP 28-OCT 02	0850	0750	72	1080	11	223	154	116

0423205010 IRONDEQUOIT CREEK ABOVE BLOSSOM ROAD, ROCHESTER, NY--Continued

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

DATE	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	RESIDUE VOLA-TILE, SUS-PENDED (MG/L) (00535)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
APR 27-								
MAY 01	--	--	1.1	<.01	.66	.060	.006	--
01-04	--	--	1.1	.01	.67	.045	.007	--
04-08	--	--	.89	<.01	.78	.055	.008	--
08-10	--	--	1.0	.01	.79	.055	.009	--
10-10	164	23	1.1	<.01	1.8	.280	.007	--
10-11	--	--	1.0	.01	.36	.150	.009	--
11-11	--	--	.96	.03	.66	.090	.013	--
12-13	1020	96	.78	.05	3.0	1.70	.014	300
15-18	94	14	N	.03	.94	.270	.028	45
18-22	43	7	1.2	.01	.67	.100	.021	35
22-23	18	3	1.3	<.01	.54	.075	.019	40
23-24	103	12	1.2	<.01	.86	.180	.019	35
25-26	259	30	.91	.01	2.1	.400	.020	70
26-30	--	--	1.1	<.01	.68	.120	.026	25
MAY 30-								
JUN 01	--	--	1.1	<.01	.62	.070	.019	--
01-05	--	--	1.1	<.01	.63	.060	.021	--
05-07	--	--	1.2	<.01	.47	.085	.015	--
12...	--	--	.90	.06	.84	.085	.022	--
12-13	--	--	.89	.25	.70	.120	.021	--
13-13	--	--	.93	.01	.94	.210	.020	55
13-15	--	--	.81	.05	1.1	.360	.023	75
15-19	162	19	1.2	.02	1.2	.290	.038	40
19-22	--	--	1.1	.01	.75	.140	.036	--
22-26	--	--	1.2	.01	.85	.040	.031	--
26-29	--	--	1.0	<.01	.78	.160	.027	--
JUN 29-								
JUL 03	--	--	1.1	<.01	.65	.110	.028	--
03-06	--	--	1.2	<.01	.46	.110	.027	--
06-10	--	--	1.1	<.01	.43	.095	.021	--
10-13	--	--	1.1	.01	.50	.075	.017	--
13-15	--	--	.94	<.01	.49	.090	.017	--
15-16	198	22	.90	<.01	1.3	.240	.017	70
16-17	554	48	.48	.03	1.8	.710	.019	125
17-20	52	7	.78	.01	.58	.110	.025	80
24...	--	--	.96	.01	<.10	.040	.019	--
24-27	--	--	.82	<.01	.37	.060	.024	--
27-31	--	--	.72	<.01	.24	.040	.023	--
31-31	164	25	.84	.02	.35	.390	.020	--
JUL 31-								
AUG 01	77	15	.87	<.01	.58	.190	.025	--
03-07	--	--	.73	.01	.51	.220	.024	--
07-10	98	14	.85	<.01	.90	.230	.023	--
10-13	83	11	.83	.01	1.0	.170	.024	--
17...	55	7	.71	.03	.74	.160	.045	50
18-21	55	8	.86	<.01	.66	.150	.025	40
21-23	--	--	.96	<.01	.30	.110	.031	--
23-24	204	27	.78	<.01	.34	.380	.025	--
24-28	--	--	.92	<.01	.70	.140	.033	--
AUG 28-								
SEP 01	--	--	.88	<.01	.45	.080	.020	--
01-05	--	--	.87	.01	.32	.070	.021	--
05-07	--	--	1.0	<.01	.34	.330	.023	--
07-11	--	--	1.0	.02	.46	.075	.032	--
11-14	--	--	.86	<.01	.41	.100	.024	--
14-15	--	--	.94	<.01	.45	.110	.026	--
15-18	--	--	.93	<.01	.29	.100	.025	--
18-21	--	--	.92	<.01	.32	.080	.020	--
21-22	--	--	.84	<.01	.50	.070	.022	--
23-23	270	35	.69	<.01	1.2	.070	.025	85
23-25	208	26	.58	.01	1.4	.410	.031	90
25-28	43	8	.74	<.01	.64	.130	.029	25
SEP 28-								
OCT 02	23	5	.91	<.01	.45	.075	.024	35

N Presumptive evidence of presence of material.

0423205025 IRONDEQUOIT CREEK AT EMPIRE BOULEVARD, ROCHESTER, NY

LOCATION.--Lat 43°10'34", long 77°31'37", Monroe County, Hydrologic Unit 04140101, on right bank 25 ft upstream from bridge on Empire Boulevard (Route 404), 200 ft upstream from mouth at south end of Irondequoit Bay, and 1.5 mi east of Rochester.
DRAINAGE AREA.--151 mi^2, flow from 7.78 mi^2 noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1990 to current year.
GAGE.--Ultrasonic velocity meter, water-stage recorder, and crest-stage gage. Datum of gage is 242.66 ft above sea level (levels by Corps of Engineers).
REMARKS.--Records fair except those for estimated daily discharges, which are poor. Records affected by backwater from Irondequoit Bay. Discharge includes undetermined diversion from Erie (Barge) Canal. Undetermined discharge (usually less than 5 percent of the total flow) bypasses gage through culvert 900 ft west of main channel. Unpublished gage-height record for March 1989 to May 1990 is available in files of U.S. Geological Survey. Unpublished water-quality records are available in files of Monroe County Department of Health. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 2,900 ft^3/s, Jan. 9, 1998, maximum gage height, 6.64 ft, Apr. 23, 1993 (backwater from Irondequoit Bay); minimum daily discharge, 24 ft^3/s, Aug. 27, 1995, Aug. 2, 1997; maximum and minimum instantaneous discharges not determined.
EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,350 ft^3/s, May 14; minimum daily discharge, 31 ft^3/s, Nov. 13; maximum and minimum 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	86	e45	129	e68	e75	371	e78	e125	e120	e84	198	e56
2	49	56	74	e72	e72	284	e95	145	e120	e76	e140	e56
3	e52	150	85	e120	e70	236	131	116	e110	e77	e150	e60
4	87	71	96	352	e72	258	495	108	e100	e89	e140	e70
5	77	63	93	292	e68	215	592	e105	e100	e77	e90	e64
6	e58	e55	80	209	e67	185	367	e105	e180	e70	e75	e62
7	e54	e52	87	139	e68	171	254	e100	e135	e66	e100	62
8	57	e50	85	138	e64	152	472	e92	e110	e62	e90	49
9	52	44	72	95	e72	180	882	e90	e100	e62	e98	56
10	48	e40	117	125	e80	268	688	155	e96	e67	e80	53
11	e52	48	120	173	e89	177	382	121	104	e68	e82	57
12	e50	33	80	116	e80	161	349	224	168	e64	e95	66
13	e52	31	64	e110	e76	164	313	1210	294	e61	e85	92
14	268	e34	63	e95	e80	239	232	1350	770	e65	e70	67
15	163	e35	227	e90	e80	309	167	613	481	e130	e66	113
16	95	e33	373	e90	e85	274	134	351	375	254	e340	78
17	e65	e32	265	e85	e88	269	115	228	216	320	161	66
18	138	e32	144	e74	e85	262	118	216	e180	e120	e110	59
19	97	e35	107	e72	e87	241	116	261	e155	e89	e85	53
20	75	e34	120	e72	e85	264	165	174	e140	e76	e75	51
21	62	e34	102	e68	e88	213	507	146	e150	e80	e65	68
22	54	e34	85	e70	e120	185	567	133	e150	e82	e64	57
23	e55	e37	72	e70	250	154	462	140	e110	e70	e170	203
24	e56	e40	e65	e68	553	143	349	251	e90	e66	154	222
25	e54	e42	e62	e66	772	147	239	351	e90	e62	e90	123
26	61	185	e68	e68	864	130	180	223	e90	58	e75	98
27	e54	295	e66	e66	744	112	143	e190	e150	e58	e66	77
28	e52	137	e60	e66	614	92	127	e160	e100	e65	e64	94
29	e50	77	e64	e64	479	92	113	e140	e90	e85	e60	73
30	45	88	e68	e68	---	101	107	e130	e100	e70	e58	67
31	43	---	e70	e74	---	e82	---	e120	---	e65	e58	---
TOTAL	2261	1942	3263	3335	6027	6131	8939	7873	5174	2738	3254	2372
MEAN	72.9	64.7	105	108	208	198	298	254	172	88.3	105	79.1
MAX	268	295	373	352	864	371	882	1350	770	320	340	222
MIN	43	31	60	64	64	82	78	90	90	58	58	49

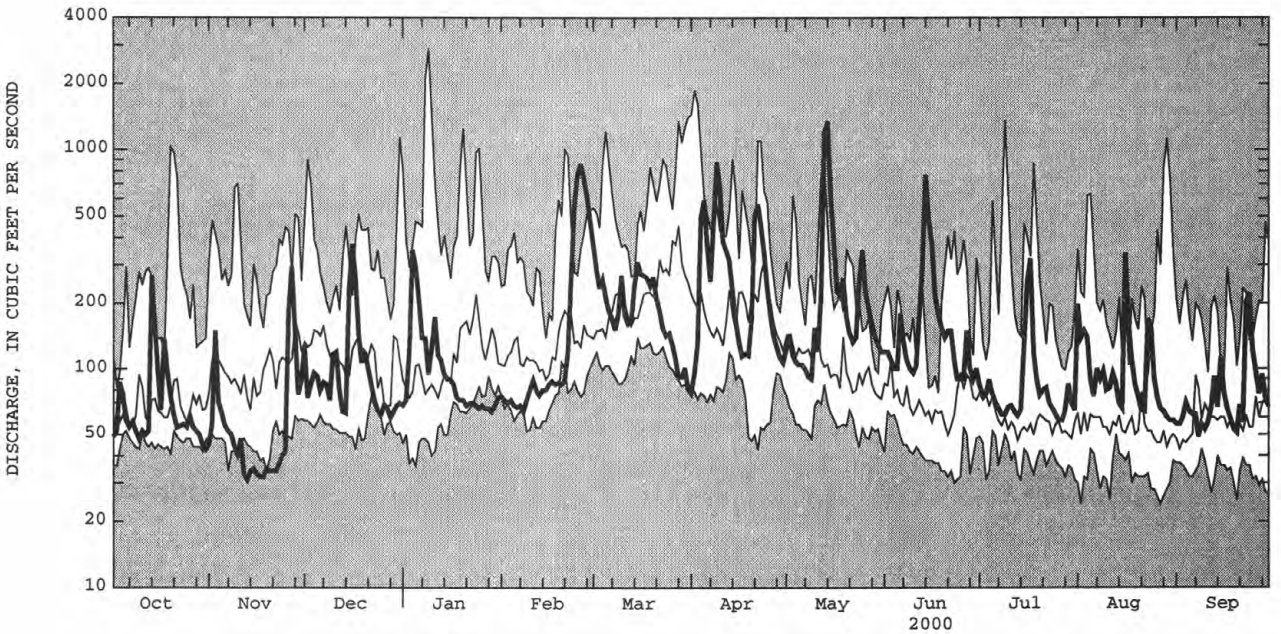
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	94.5	120	143	184	164	273	242	136	97.8	85.3	85.9	75.5
MAX	187	208	247	442	226	351	481	254	172	201	262	132
(WY)	1997	1993	1997	1998	1998	1993	1993	2000	2000	1998	1992	1992
MIN	52.2	59.9	66.2	85.6	85.6	160	82.0	63.8	49.9	50.1	48.7	38.1
(WY)	1995	1999	1999	1994	1995	1995	1995	1995	1995	1997	1995	1995

e Estimated

0423205025 IRONDEQUOIT CREEK AT EMPIRE BOULEVARD, ROCHESTER, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1990 - 2000	
ANNUAL TOTAL	44964		53309			
ANNUAL MEAN	123		146		142	
HIGHEST ANNUAL MEAN					183	1993
LOWEST ANNUAL MEAN					80.3	1995
HIGHEST DAILY MEAN	1010	Jan 25	1350	May 14	2900	Jan 9 1998
LOWEST DAILY MEAN	31	Nov 13	31	Nov 13	24	Aug 27 1995
ANNUAL SEVEN-DAY MINIMUM	33	Nov 12	33	Nov 12	27	Aug 24 1995
10 PERCENT EXCEEDS	247		286		274	
50 PERCENT EXCEEDS	76		90		91	
90 PERCENT EXCEEDS	45		54		47	



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

0423205025 IRONDEQUOIT CREEK AT EMPIRE BOULEVARD, ROCHESTER, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--1989 to current year.
CHEMICAL DATA: 1989-2000 (e).
NUTRIENT DATA: 1989-2000 (e).
PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: November 1994 to current year.
INSTRUMENTATION. --Automatic water sampler since September 1989.
Water-temperature recorder since November 1994 provides 15-minute-interval readings.
COOPERATION.--Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, N.Y.
REMARKS.--Prior to 1994 water year, data published in "Water Resources of Monroe County New York, Water Years 1989-93", U.S. Geological Survey Open-File Report 97-587,
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum recorded, 29.0°C, July 15, 1995; minimum recorded, 0°C, on many days during winter period.
EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum 24.5°C, Sep. 1; minimum 1.0°C, 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	14.5	16.0	13.5	10.5	12.0	5.5	4.0	5.0	3.5	2.0	3.0
2	16.5	14.0	15.5	13.0	11.5	12.5	4.5	3.5	4.0	5.0	3.0	3.5
3	17.0	15.0	15.5	13.0	9.0	11.5	6.5	4.0	5.0	5.5	5.0	5.5
4	15.5	12.5	13.5	9.5	7.5	8.5	8.0	6.5	7.0	6.0	5.0	5.5
5	14.5	12.0	12.5	10.5	7.5	9.0	10.0	8.0	9.0	5.0	2.5	4.0
6	12.5	11.0	12.0	10.0	8.5	9.5	10.0	9.0	9.5	3.0	2.5	2.5
7	13.0	9.5	11.0	9.0	7.5	8.0	9.0	7.0	8.0	3.5	2.5	3.0
8	12.5	9.0	11.0	8.0	6.5	7.5	7.5	6.0	6.5	2.5	2.0	2.5
9	16.0	12.0	13.5	11.0	7.5	9.0	6.5	5.0	5.5	3.5	2.5	3.0
10	16.0	13.5	14.5	12.5	11.0	11.5	6.5	5.5	6.0	4.5	3.0	3.5
11	17.5	14.5	15.5	11.0	8.0	10.0	6.5	4.5	5.0	5.0	4.5	4.5
12	15.0	12.5	13.5	8.5	7.0	8.0	4.5	3.5	4.0	4.5	3.5	4.0
13	16.5	12.0	14.0	9.5	8.0	9.0	5.0	4.0	4.5	3.5	1.0	2.5
14	15.5	12.0	13.5	10.0	8.5	9.5	5.0	3.5	4.5	1.0	1.0	1.0
15	13.5	10.5	12.0	8.5	6.0	7.0	5.0	3.5	4.5	1.0	1.0	1.0
16	15.5	11.0	13.0	6.0	3.5	5.0	5.0	4.5	5.0	1.0	1.0	1.0
17	14.0	13.5	14.0	5.0	3.5	4.0	4.5	3.0	4.0	1.0	1.0	1.0
18	13.5	12.0	12.5	6.0	4.0	5.0	3.5	2.5	3.0	1.0	1.0	1.0
19	13.0	10.5	11.5	8.5	6.0	7.0	2.5	1.5	2.5	1.0	1.0	1.0
20	12.5	11.0	11.5	8.5	7.5	8.0	4.0	2.5	3.0	1.0	1.0	1.0
21	12.5	10.5	11.5	10.0	8.0	9.0	4.0	2.5	3.5	1.0	1.0	1.0
22	11.0	10.5	10.5	12.0	9.5	10.5	2.5	1.5	2.5	1.0	1.0	1.0
23	11.5	10.0	10.5	13.0	10.5	11.5	2.5	1.0	1.5	1.0	1.0	1.0
24	10.5	9.5	10.0	13.0	11.0	11.5	1.0	1.0	1.0	1.0	1.0	1.0
25	11.5	9.0	10.0	11.0	9.0	10.0	1.0	1.0	1.0	1.0	1.0	1.0
26	12.0	9.0	10.5	9.5	9.0	9.0	1.0	1.0	1.0	1.0	1.0	1.0
27	11.0	9.5	10.5	10.0	9.0	9.5	1.0	1.0	1.0	1.0	1.0	1.0
28	11.0	8.0	9.5	9.0	7.5	8.0	1.0	1.0	1.0	1.0	1.0	1.0
29	12.0	8.5	10.0	7.5	5.5	6.5	1.0	1.0	1.0	1.0	1.0	1.0
30	13.5	9.5	11.0	5.5	4.5	5.0	1.0	1.0	1.0	1.0	1.0	1.0
31	13.5	11.0	12.0	---	---	---	2.0	1.0	1.5	1.0	1.0	1.0
MONTH	17.5	8.0	12.3	13.5	3.5	8.7	10.0	1.0	3.9	6.0	1.0	2.1

0423205025 IRONDEQUOIT CREEK AT EMPIRE BOULEVARD, ROCHESTER, 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	1.0	1.0	6.0	4.5	5.0	11.5	7.5	9.5	15.0	12.5	13.5
2	1.0	1.0	1.0	5.5	3.5	5.0	10.5	10.0	10.0	16.0	12.5	14.0
3	1.0	1.0	1.0	5.0	3.0	4.0	11.0	9.5	10.0	17.0	13.0	15.0
4	1.0	1.0	1.0	5.5	3.0	4.5	10.5	10.0	10.5	16.5	14.5	16.0
5	1.0	1.0	1.0	6.5	4.5	5.5	10.0	7.0	8.0	20.0	16.5	17.5
6	1.0	1.0	1.0	8.0	5.0	6.5	8.5	6.5	7.5	22.0	18.5	20.0
7	1.0	1.0	1.0	7.5	5.5	6.5	10.0	7.5	8.5	23.0	20.5	21.5
8	1.0	1.0	1.0	10.5	7.0	8.5	9.0	7.5	8.5	23.0	21.0	22.0
9	1.0	1.0	1.0	12.5	10.0	11.0	7.5	6.0	6.5	23.5	21.5	22.5
10	1.0	1.0	1.0	11.5	6.0	8.5	6.5	6.0	6.0	23.0	18.5	20.5
11	1.0	1.0	1.0	6.0	4.5	5.5	6.0	5.0	5.5	19.5	16.5	18.0
12	1.0	1.0	1.0	4.5	2.5	3.5	6.5	4.5	5.5	19.0	16.5	17.0
13	1.0	1.0	1.0	5.5	2.5	4.0	8.5	5.5	7.0	18.5	17.0	18.0
14	1.0	1.0	1.0	7.0	4.5	5.5	11.0	7.0	9.0	18.0	16.0	17.0
15	1.0	1.0	1.0	7.0	5.5	6.5	15.5	10.5	12.5	16.5	15.0	15.5
16	1.0	1.0	1.0	7.0	5.0	6.5	15.0	12.0	13.5	15.5	14.0	15.0
17	1.0	1.0	1.0	5.5	3.5	4.5	12.0	9.0	10.5	17.5	14.0	15.5
18	1.0	1.0	1.0	5.5	2.5	4.0	10.0	8.5	9.5	17.0	16.0	16.5
19	1.0	1.0	1.0	6.5	3.0	5.0	11.0	9.5	10.0	16.0	13.5	14.5
20	2.5	1.0	1.5	9.0	6.0	7.0	11.5	11.0	11.0	13.5	12.5	13.0
21	4.0	1.5	3.0	9.0	7.5	8.5	11.5	11.0	11.5	13.5	12.5	13.0
22	4.5	2.5	3.5	9.5	8.0	9.0	11.5	10.0	11.0	14.5	12.5	13.5
23	4.5	3.5	4.0	10.0	8.0	9.0	10.0	9.5	9.5	15.0	13.5	14.0
24	3.5	2.5	3.0	12.0	8.0	10.0	12.0	8.5	10.0	17.0	14.5	15.5
25	3.0	2.5	2.5	14.0	10.0	11.5	13.0	10.0	11.5	16.5	15.5	16.0
26	4.5	2.5	3.5	12.5	10.5	11.0	13.5	10.5	12.0	16.0	14.5	15.5
27	6.5	4.5	5.5	10.5	8.5	9.0	13.0	11.5	12.0	17.0	14.5	15.5
28	6.5	5.0	6.0	10.0	8.5	9.0	14.0	10.0	12.0	17.0	15.0	16.0
29	5.5	4.0	5.0	9.0	7.0	8.0	15.5	12.0	13.5	18.0	15.0	16.0
30	---	---	---	8.0	6.5	7.0	16.0	13.0	14.5	18.0	16.0	17.0
31	---	---	---	10.5	6.0	8.0	---	---	---	19.0	17.0	18.0
MONTH	6.5	1.0	1.9	14.0	2.5	7.0	16.0	4.5	9.9	23.5	12.5	16.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	20.0	18.5	19.0	22.0	19.5	20.5	22.5	21.0	22.0	24.5	21.5	23.0
2	20.0	18.5	19.5	23.0	20.5	21.5	23.5	21.5	22.5	23.5	22.0	22.5
3	20.5	18.0	19.0	22.5	21.5	22.0	23.0	21.0	22.0	22.0	20.5	21.0
4	20.0	18.0	18.5	22.5	21.0	21.5	21.0	19.5	20.0	20.5	18.5	19.5
5	18.0	16.5	17.0	23.0	21.0	22.0	21.0	18.5	20.0	19.0	16.5	17.5
6	16.5	15.0	15.5	22.0	21.0	21.5	20.0	19.0	19.5	18.5	15.0	16.5
7	17.0	14.0	15.5	21.5	19.5	20.5	22.0	18.5	20.0	18.5	15.0	17.0
8	18.0	16.0	17.0	22.0	19.5	20.5	23.0	20.5	21.5	18.5	16.0	17.5
9	19.0	17.5	18.0	21.0	20.0	20.0	23.5	21.5	22.5	20.5	17.5	18.5
10	22.0	18.0	19.5	21.5	19.5	20.5	23.5	22.0	22.5	21.5	18.0	20.0
11	21.5	19.0	21.0	22.0	20.0	21.0	22.5	20.5	21.5	22.0	20.0	20.5
12	19.0	17.5	18.0	22.5	20.5	21.5	20.5	19.5	20.0	22.0	20.0	21.0
13	18.0	16.5	17.0	22.5	20.5	21.5	21.5	18.5	20.0	21.0	19.0	20.0
14	20.0	17.5	18.5	22.0	21.0	21.5	22.0	19.0	20.5	19.0	17.0	18.0
15	22.0	20.0	21.0	21.5	20.0	20.5	22.5	20.0	21.0	18.5	16.5	17.5
16	23.0	21.0	22.0	21.0	19.5	20.0	22.0	20.0	21.0	17.0	15.5	16.0
17	22.5	22.0	22.0	21.5	20.0	20.5	21.0	19.0	19.5	16.5	14.0	15.0
18	22.0	18.0	19.5	21.5	20.5	21.0	19.5	17.5	18.5	18.5	15.0	16.5
19	19.5	17.0	18.0	21.0	19.5	20.5	19.5	17.5	18.5	19.5	16.0	17.5
20	21.5	18.5	19.5	21.0	19.0	20.0	19.5	17.0	18.0	20.5	17.0	18.5
21	22.0	20.5	21.0	21.0	19.5	20.0	19.0	16.0	17.5	19.5	16.5	18.0
22	22.5	20.5	21.5	20.5	19.0	19.5	19.0	16.0	17.5	17.5	15.0	16.0
23	22.0	20.5	21.5	21.0	19.0	20.0	18.5	17.5	18.0	16.5	14.5	15.5
24	21.5	20.0	21.0	21.5	19.5	20.5	21.0	17.5	19.0	16.5	15.0	16.0
25	22.0	21.0	21.5	22.0	19.5	20.5	21.0	18.0	19.5	15.5	14.0	14.5
26	23.0	21.0	22.0	---	---	---	21.0	18.5	19.5	15.5	12.5	14.0
27	23.5	22.5	23.0	22.5	20.5	21.5	20.5	19.0	19.5	16.0	12.0	14.0
28	22.5	21.0	22.0	23.5	20.5	21.5	21.5	18.5	20.0	15.0	12.5	14.0
29	21.5	20.5	21.0	23.0	21.0	22.0	23.0	19.5	21.0	13.5	10.0	12.0
30	21.0	19.0	20.0	22.5	21.5	22.0	23.0	20.5	21.5	14.5	10.5	12.5
31	---	---	---	22.0	21.0	21.5	24.0	20.5	22.0	---	---	---
MONTH	23.5	14.0	19.6	---	---	---	24.0	16.0	20.2	24.5	10.0	17.3

0423205025 IRONDEQUOIT CREEK AT EMPIRE BOULEVARD, ROCHESTER, NY--Continued

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

DATE	TIME	ENDING TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TUR-BID-ITY (NTU) (00076)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
OCT								
04-08	1030	0930	66	--	8.0	--	168	105
08-12	1040	0940	52	--	12	--	197	119
12-13	1125	2025	51	--	8.6	--	188	113
13-14	2125	1025	220	--	18	--	151	94
14-18	1010	0910	130	--	18	--	142	98
18-21	1020	0920	95	--	8.3	--	158	104
21-25	1010	0910	56	--	7.4	--	194	125
25-28	1035	0935	56	--	5.5	--	202	125
OCT 28-								
NOV 01	1000	0900	48	--	8.9	--	206	125
01-02	1035	1535	51	--	8.7	--	222	128
02-03	1635	0335	110	--	18	--	210	120
03-04	0435	0935	120	--	16	--	145	91
04-08	0950	0850	58	--	4.7	--	194	119
08-12	1015	0915	44	--	6.8	--	208	127
12-15	1020	0920	33	--	5.9	--	182	127
15-18	1010	0910	33	--	4.4	--	216	142
18-22	0930	0830	34	--	5.8	--	207	144
22-24	1100	1000	35	--	8.5	--	217	143
24-25	1050	2050	41	1280	7.5	239	208	144
25-26	2150	1650	170	1090	17	212	157	119
26-29	1750	0950	210	898	18	186	119	98
NOV 29-								
DEC 02	0945	0845	99	1250	5.3	193	150	169
02-06	0950	0850	90	--	6.0	--	165	171
06-09	1005	0905	78	--	6.4	--	199	160
09-13	0955	0855	97	--	6.1	--	166	147
13-14	0945	1445	54	--	5.0	--	270	226
14-16	1545	0845	230	--	16	--	140	225
16-20	0955	0855	200	--	17	--	124	163
20-23	1020	0920	99	--	8.7	--	161	151
23-27	0940	0840	66	--	4.8	--	188	157
27-30	1010	0910	64	--	4.6	--	199	193
DEC 30-								
JAN 03	0950	0850	74	--	3.8	--	199	200
03-04	1015	0615	200	1350	20	227	166	191
04-06	0715	0915	310	1070	38	176	101	161
06-10	1005	0905	130	1230	19	231	147	156
10-14	0945	0845	130	1300	7.7	237	151	181
14-17	1045	1145	90	--	6.1	--	171	192
20-22	0925	0825	70	--	6.1	--	200	241
25-27	1355	0755	67	--	3.7	--	201	206
27-31	1035	0935	67	--	3.1	--	202	211
JAN 31-								
FEB 03	0940	0840	73	--	2.4	--	287	267
03-07	0935	0835	69	--	2.8	--	190	288
07-10	1050	0950	70	1760	2.8	257	191	289
10-14	1125	1025	81	--	2.8	--	175	391
14-18	1110	0910	84	--	4.5	--	183	550
18-22	1015	0915	90	--	4.1	--	187	485
22-24	0950	0850	270	2330	26	211	135	480
24-26	1020	0120	720	1370	55	152	70	265
26-28	0220	0920	770	1100	40	157	74	190
FEB 28-								
MAR 02	1030	0930	440	1130	20	170	92	172
02-06	1025	0925	230	1440	7.5	215	110	224
06-09	1110	0810	160	1350	7.7	232	1140	213
MAR 30-								
APR 03	1005	0905	92	--	9.6	--	144	176
03-04	1015	1515	280	1090	37	204	111	171
04-06	1615	0915	560	955	50	181	84	150
06-07	1010	1710	280	1100	20	208	94	153
07-09	1810	0510	490	972	39	186	77	132
09-10	0610	0910	880	799	54	167	59	110
10-13	1020	0920	410	1020	18	203	83	149
13-17	0950	0850	190	1130	36	240	103	156
17-20	1005	0905	120	--	22	--	120	154
20-21	1015	1715	350	1010	40	204	88	134
21-24	1815	0915	500	871	40	195	61	109
24-27	1010	0910	220	1030	35	234	80	123
APR 27-								
MAY 01	0950	0850	120	--	32	--	110	139
01-04	0950	0850	130	--	28	--	122	142
04-08	0935	0835	100	--	32	--	127	145
08-10	0935	0535	130	--	32	--	142	150

0423205025 IRONDEQUOIT CREEK AT EMPIRE BOULEVARD, ROCHESTER, NY--Continued

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

DATE	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	RESIDUE VOLA-TILE, SUS-PENDED (MG/L) (00535)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT								
04-08	--	--	.65	.03	.34	.075	.019	--
08-12	--	--	.64	<.01	.45	.075	.018	--
12-13	--	--	.56	.02	.26	.085	.032	--
13-14	--	--	.51	.03	.29	.140	.017	--
14-18	--	--	.52	.02	.38	.103	.018	--
18-21	--	--	.55	.03	.23	.080	.017	--
21-25	--	--	.62	.04	.22	.070	.016	--
25-28	--	--	.58	.03	.25	.065	.014	--
OCT 28-								
NOV 01	--	--	.50	.03	.27	.065	.014	--
01-02	--	--	.52	.04	.24	.065	.014	--
02-03	--	--	.57	<.01	.58	.110	.020	--
03-04	--	--	.40	.02	.51	.110	.019	--
04-08	--	--	.45	.03	.53	.055	.016	--
08-12	--	--	.64	.06	.39	.070	.015	--
12-15	--	--	.58	.06	.43	.065	.011	--
15-18	--	--	.68	.06	.32	.045	.013	--
18-22	--	--	.71	.07	.44	.060	.012	--
22-24	--	--	.74	.06	.49	.070	.013	--
24-25	--	--	.64	.06	.41	.070	.014	10
25-26	--	--	.56	.05	.61	.110	.016	20
26-29	--	--	.47	.05	.74	.110	.016	20
NOV 29-								
DEC 02	13	3	.65	.05	.49	.050	.012	<5
02-06	--	--	.79	.07	.53	.050	.013	--
06-09	--	--	.75	.06	.50	.060	.014	--
09-13	--	--	.81	.05	.54	.055	.014	--
13-14	--	--	.86	.04	.41	.045	.013	--
14-16	--	--	.88	.06	.60	.080	.016	--
16-20	--	--	1.2	.04	.63	.075	.014	--
20-23	--	--	1.3	.04	.53	.055	.013	--
23-27	--	--	1.2	.05	.42	.035	.011	--
27-30	--	--	1.2	.06	.49	.030	.011	--
DEC 30-								
JAN 03	--	--	1.2	.04	.37	.035	.010	--
03-04	48	6	1.1	.05	.64	.100	.013	30
04-06	72	8	1.0	.04	.79	.140	.016	35
06-10	27	4	1.4	.04	.50	.075	.014	20
10-14	26	4	1.2	.03	.48	.070	.012	20
14-17	--	--	1.3	.03	.44	.060	.010	--
20-22	--	--	1.4	.07	.63	.060	.008	--
25-27	--	--	1.3	.05	.29	.030	.010	--
27-31	--	--	1.4	.05	.61	.025	.008	--
JAN 31-								
FEB 03	--	--	1.3	.05	.27	.020	.008	--
03-07	--	--	1.2	.04	.28	.020	.008	--
07-10	5	<2	1.2	.04	.32	.008	.008	15
10-14	--	--	1.2	.04	.38	.025	.007	--
14-18	--	--	1.2	.03	.38	.020	.006	--
18-22	--	--	1.2	.02	.34	.020	.006	--
22-24	64	9	1.2	.04	1.0	.120	.007	30
24-26	303	40	1.5	.07	2.1	.500	.013	80
26-28	120	11	1.8	.05	1.0	.220	.017	45
FEB 28-								
MAR 02	42	5	1.6	.04	.71	.095	.015	10
02-06	21	3	1.5	.03	.58	.055	.010	20
06-09	25	5	1.2	.02	.57	.060	.008	15
MAR 30-								
APR 03	--	--	1.0	.04	.47	.060	.007	--
03-04	124	16	.84	.03	.87	.180	.008	65
04-06	--	--	.71	.02	.94	.240	.008	50
06-07	45	6	.89	.02	.51	.090	.008	30
07-09	113	13	.89	.03	.81	.170	.009	55
09-10	137	16	.89	.02	.98	.210	.012	50
10-13	34	5	1.1	.02	.61	.085	.010	25
13-17	116	14	1.0	.03	.72	.180	.008	45
17-20	--	--	1.1	.03	.62	.110	.007	--
20-21	134	18	1.1	.05	1.3	.190	.009	70
21-24	113	14	.85	.04	1.2	.170	.010	45
24-27	105	13	.94	.02	1.1	.170	.009	45
APR 27-								
MAY 01	102	13	.94	.03	.98	.160	.009	--
01-04	--	--	1.0	.03	1.0	.125	.010	--
04-08	86	12	.75	.05	1.2	.170	.012	--
08-10	9	13	.80	.06	1.1	.170	.014	--

0423205025 IRONDEQUOIT CREEK AT EMPIRE BOULEVARD, ROCHESTER, NY--Continued

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

DATE	TIME	ENDING TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TUR-BID-ITY (NTU) (00076)	ANC WATER UNFLTRD FET FIELD MG/L AS CACO3 (00410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
MAY								
10-10	0635	2035	180	--	44	--	125	138
10-11	2135	0835	140	--	39	--	90	110
11-12	0945	0045	110	--	26	--	105	129
12-13	0145	1645	530	799	63	174	76	99
13-15	1745	0845	1300	565	83	135	44	64
15-18	1045	0945	320	814	24	201	72	92
18-22	0955	0855	190	944	22	230	90	114
22-23	1055	0955	130	1060	22	259	103	128
23-25	1055	0155	220	995	29	238	97	118
25-26	0255	0955	320	805	47	210	71	93
26-30	1005	0905	170	951	25	241	89	108
MAY 30-								
JUN 01	0945	0845	120	--	26	--	120	127
01-05	0945	0845	110	--	33	--	132	125
05-08	1010	0910	140	--	32	--	130	128
08-11	1035	0535	100	--	36	--	129	136
11-12	0635	0935	160	--	55	--	123	127
12-13	1010	0610	120	--	42	--	100	106
13-14	0710	0310	450	780	59	180	91	84
14-15	0410	0910	710	595	73	149	47	60
15-19	0950	0850	280	784	56	207	66	85
19-22	1005	0905	150	--	45	--	104	112
22-26	0945	0845	100	--	44	--	120	121
26-29	0955	0855	110	--	32	--	127	122
JUN 29-								
JUL 03	1025	0925	86	--	29	--	134	128
03-06	1025	0925	80	--	21	--	156	133
06-10	0935	0835	65	--	13	--	174	149
10-13	0945	0845	66	--	11	--	173	135
13-15	1010	1310	80	--	11	--	165	125
15-17	1410	0910	240	768	36	161	104	89
17-20	1040	0940	140	826	28	175	92	101
20-24	0945	0845	76	--	15	--	145	124
24-27	1025	0925	61	--	11	--	160	125
27-31	1025	0925	70	--	8.8	--	172	122
31-31	0955	2055	65	--	8.7	--	157	115
JUL 31-								
AUG 01	2155	1155	180	--	17	--	165	116
01-03	1255	0855	160	--	39	--	85	73
03-07	1015	0915	110	--	20	--	111	95
07-10	1035	0935	93	--	17	--	143	114
10-14	0955	0855	85	--	22	--	136	111
14-16	1005	0005	68	--	23	--	147	120
16-16	0105	1505	340	785	58	164	107	85
16-17	1605	0905	240	554	70	121	64	58
17-21	1035	0935	97	926	35	195	116	106
21-23	0945	0545	79	--	24	--	158	123
23-24	0645	0845	160	--	37	--	115	88
24-28	1010	0910	87	--	28	--	128	112
AUG 28-								
SEP 01	1025	0925	60	--	22	--	169	127
01-05	1000	0900	61	--	22	--	181	131
05-07	0950	0850	62	--	20	--	184	127
07-11	1010	0910	52	--	17	--	191	128
11-14	0950	0850	76	--	26	--	194	108
14-15	1025	0925	99	--	19	--	153	109
15-18	1025	0925	78	--	18	--	136	105
18-21	1045	0845	55	--	20	--	175	129
21-23	0945	0045	60	--	19	--	162	123
23-23	0145	2045	210	828	44	167	116	86
23-25	2145	0845	200	637	38	144	77	67
25-28	1005	0905	93	956	14	203	119	108
SEP 28-								
OCT 02	0940	0840	69	1030	8.2	226	149	117

0423205025 IRONDEQUOIT CREEK AT EMPIRE BOULEVARD, ROCHESTER, NY--Continued

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

DATE	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	RESIDUE VOLA-TILE, SUS-PENDED (MG/L) (00535)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
MAY								
10-10	134	21	.92	.03	1.5	.270	.008	--
10-11	99	13	.83	.06	1.3	.220	.011	--
11-12	--	--	.91	.07	.96	.170	.016	--
12-13	197	21	.78	.08	1.3	.340	.016	70
13-15	158	17	.67	.05	1.2	.310	.024	60
15-18	50	7	.89	.04	.79	.150	.027	30
18-22	51	8	1.0	.05	.74	.120	.021	25
22-23	57	7	1.1	.03	.70	.130	.020	30
23-25	70	9	1.1	.04	.96	.160	.019	30
25-26	--	--	.84	.04	1.6	.320	.019	80
26-30	--	--	.89	.03	1.0	.180	.023	35
MAY 30-								
JUN 01	--	--	.94	.03	.73	.140	.021	--
01-05	89	13	.91	.03	1.3	.160	.021	--
05-08	76	11	.96	.03	.80	.180	.020	--
08-11	102	16	.86	.04	.98	.240	.025	--
11-12	146	20	.92	.05	.75	.280	.031	--
12-13	114	14	.73	.05	1.1	.230	.028	--
13-14	160	22	.67	.05	.98	.680	.034	65
14-15	167	21	.92	.04	.68	.350	.036	60
15-19	167	<24	.87	.05	1.3	.350	.050	60
19-22	--	--	.95	.03	.99	.315	.047	--
22-26	--	--	.98	.03	1.2	.065	.043	--
26-29	--	--	.89	.03	.80	.190	.039	--
JUN 29-								
JUL 03	--	--	.80	.03	.65	.170	.040	--
03-06	--	--	.89	.04	.41	.150	.035	--
06-10	--	--	.76	.02	.63	.120	.029	--
10-13	--	--	.74	.03	.54	.085	.025	--
13-15	--	--	.70	.04	.58	.090	.025	--
15-17	69	9	.62	.04	.96	.180	.031	40
17-20	62	9	.66	.04	.83	.180	.026	35
20-24	--	--	.81	.04	N	.110	.033	--
24-27	--	--	.74	.03	.55	.110	.031	--
27-31	--	--	.68	.03	.39	.075	.030	--
31-31	--	--	.67	.04	.36	.095	.028	--
JUL 31-								
AUG 01	--	--	.72	.04	.56	.120	.030	--
01-03	70	12	.59	.05	.39	.210	.034	--
03-07	--	--	.64	.06	.78	.150	.041	--
07-10	--	--	.77	.05	.69	.210	.043	--
10-14	--	--	.72	.05	.64	.140	.041	--
14-16	46	7	.76	.05	.69	.150	.046	--
16-16	110	14	.07	.07	.99	.240	.041	45
16-17	129	16	.65	.04	1.1	.310	.042	45
17-21	74	11	.71	.04	.90	.210	.045	45
21-23	--	--	.80	.03	.80	.180	.040	--
23-24	74	12	.81	.05	.49	.210	.035	--
24-28	--	--	.75	.04	.86	.190	.043	--
AUG 28-								
SEP 01	--	--	.75	.05	.60	.150	.030	--
01-05	--	--	.71	.05	.76	.140	.033	--
05-07	--	--	.86	.04	.41	.140	.033	--
07-11	--	--	.91	.04	.56	.120	.035	--
11-14	--	--	.84	.04	.99	.170	.030	--
14-15	--	--	.86	.04	.60	.150	.032	--
15-18	--	--	.83	.04	.52	.130	.033	--
18-21	--	--	.76	.03	.38	.150	.028	--
21-23	--	--	.74	.03	.66	.140	.028	--
23-23	157	21	.59	.02	.97	.400	.026	65
23-25	102	15	.53	.04	.96	.290	.038	25
25-28	31	5	.66	.02	.62	.120	.033	25
SEP 28-								
OCT 02	20	4	.89	.04	.55	.075	.023	20

N Presumptive evidence of presence of material.

04232400 SENECA LAKE AT WATKINS GLEN, NY

LOCATION.--Lat 42°23'00", long 76°52'05", Schuyler County, Hydrologic Unit 04140201, on east bank about 300 ft from lake on shorter of two boat slips at Watkins Glen.
DRAINAGE AREA.--704 mi^2.
PERIOD OF RECORD.--October 1956 to current year.
REVISED RECORDS.--WSP 2112: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is sea level (1.59 ft Barge Canal datum). To convert elevations to sea level adjustment of 1988, subtract 0.62 ft. Prior to Oct. 1, 1975, at datum 438.41 ft higher.
REMARKS.--Area of water surface, 67.6 mi^2. Diversion from Susquehanna River basin enters lake through Keuka Lake Outlet at Dresden. For table of diversion, see station 01528700. Lake elevation regulated by taintor gates on Seneca River at Lock 4, Waterloo, for operation of Erie (Barge) Canal and power generation by New York State Electric and Gas Corp.
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 448.95 ft, April 26, 27, 1993; minimum elevation, 442.64 ft, Mar. 14, 1978.
EXTREMES FOR CURRENT YEAR.--Maximum elevation, 445.85 ft, Mar. 9; minimum elevation, 443.72 ft, Nov. 19, 20, 25.

ELEVATION (FEET ABOVE SEA LEVEL), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	444.29	444.01	444.01	444.13	444.46	445.54	444.97	445.22	445.14	445.48	445.22	444.74
2	444.20	444.01	443.96	444.12	444.47	445.61	444.96	445.25	445.13	445.41	445.42	444.77
3	444.28	444.00	443.94	444.18	444.44	445.64	444.98	445.21	445.15	445.40	445.44	444.79
4	444.32	444.01	443.96	444.24	444.47	445.62	445.17	445.16	445.10	445.40	445.46	444.78
5	444.28	443.98	443.97	444.32	444.44	445.64	445.29	445.16	445.04	445.40	445.35	444.77
6	444.25	444.00	444.00	444.27	444.44	445.63	445.28	445.17	445.05	445.35	445.30	444.64
7	444.26	444.02	444.01	444.31	444.43	445.59	445.26	445.19	445.07	445.31	445.28	444.61
8	444.13	443.98	443.98	444.29	444.41	445.58	445.30	445.20	445.03	445.24	445.30	444.54
9	444.12	443.91	443.96	444.31	444.39	445.58	445.48	445.18	445.01	445.10	445.22	444.65
10	444.19	443.93	443.94	444.33	444.41	445.61	445.50	445.22	445.03	445.10	445.27	444.61
11	444.17	444.01	443.99	444.37	444.44	445.58	445.49	445.28	445.07	445.12	445.23	444.59
12	444.14	443.93	443.96	444.42	444.42	445.60	445.48	445.34	445.18	445.03	445.23	444.56
13	444.09	443.91	443.97	444.51	444.40	445.58	445.45	445.48	445.20	445.01	445.15	444.71
14	444.24	443.91	443.99	444.50	444.48	445.56	445.38	445.55	445.27	444.98	445.10	444.62
15	444.22	443.95	444.05	444.46	444.48	445.55	445.35	445.52	445.31	445.04	445.02	444.67
16	444.11	443.92	444.10	444.48	444.48	445.57	445.34	445.49	445.37	445.06	445.03	444.66
17	444.17	443.87	444.15	444.52	444.50	445.63	445.30	445.43	445.43	445.02	445.00	444.56
18	444.25	443.81	444.18	444.47	444.49	445.57	445.27	445.40	445.48	445.07	444.88	444.58
19	444.18	443.77	444.18	444.47	444.53	445.53	445.24	445.47	445.51	445.07	444.94	444.54
20	444.13	443.77	444.15	444.51	444.49	445.54	445.22	445.48	445.49	445.02	444.90	444.50
21	444.16	443.81	444.19	444.51	444.48	445.52	445.27	445.47	445.47	445.01	444.85	444.54
22	444.10	443.79	444.20	444.49	444.46	445.49	445.37	445.44	445.60	445.01	444.80	444.56
23	444.09	443.80	444.19	444.46	444.47	445.43	445.45	445.40	445.65	445.01	444.81	444.56
24	444.15	443.79	444.19	444.49	444.59	445.38	445.46	445.40	445.62	444.96	444.88	444.65
25	444.10	443.80	444.16	444.52	444.83	445.31	445.46	445.41	445.57	444.98	444.84	444.67
26	444.05	443.90	444.15	444.52	445.04	445.27	445.43	445.42	445.59	444.93	444.82	444.61
27	444.09	443.99	444.18	444.50	445.21	445.19	445.40	445.40	445.61	444.93	444.81	444.58
28	444.06	443.99	444.14	444.47	445.46	445.17	445.36	445.35	445.57	444.92	444.83	444.62
29	444.04	444.00	444.15	444.46	445.54	445.11	445.33	445.30	445.54	444.86	444.77	444.56
30	444.02	444.03	444.14	444.44	---	445.07	445.29	445.23	445.54	444.92	444.76	444.44
31	444.03	---	444.16	444.46	---	445.01	---	445.16	---	444.91	444.76	---
MEAN	444.16	443.92	444.07	444.40	444.59	445.47	445.32	445.33	445.33	445.10	445.05	444.62
MAX	444.32	444.03	444.20	444.52	445.54	445.64	445.50	445.55	445.65	445.48	445.46	444.79
MIN	444.02	443.77	443.94	444.12	444.39	445.01	444.96	445.16	445.01	444.86	444.76	444.44

CAL YR 1999 MEAN 444.44 MAX 445.25 MIN 443.37
WTR YR 2000 MEAN 444.78 MAX 445.65 MIN 443.77

04232482 KEUKA LAKE OUTLET AT DRESDEN, NY

LOCATION.--Lat 42°40'49", long 76°57'15", Yates County, Hydrologic Unit 04140201, on right bank at upstream side of bridge on Milo Street in Dresden, and 0.4 mi upstream from mouth.
DRAINAGE AREA.--207 mi^2.
PERIOD OF RECORD.--April 1965 to current year.
REVISED RECORD.--WDR NY-86-3: 1984 (P).
GAGE.--Water-stage recorder. Datum of gage is 445.35 ft above sea level. Prior to Sept. 6, 1991 at datum 0.68 ft lower, and prior to Oct. 1, 1982 at datum 1.32 ft higher.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Flow regulated by village of Penn Yan. During each year a large part of flow from 45.5 mi^2 of Mud Creek drainage area (Susquehanna River basin) is diverted into Keuka Lake (Oswego River basin) for power development. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,000 ft^3/s, Jun. 22, 1972, gage height 8.37 ft, datum then in use, from rating curve extended above 730 ft^3/s on basis of contracted-opening measurement at Mays Mill, adjusted for intervening area; minimum discharge, 3.2 ft^3/s, part or all of each day, Sep. 6-10, 1982.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,740 ft^3/s, Aug. 1, gage height, 5.43 ft; minimum discharge, 20 ft^3/s, Sep. 22, 23.

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	27	27	122	e230	66	284	374	317	300	671	31
2	26	27	28	123	e230	60	283	369	167	293	563	33
3	26	26	27	125	e230	55	229	364	35	291	338	41
4	33	26	28	170	e220	53	255	363	33	282	320	50
5	28	26	28	150	e220	50	201	359	33	273	308	36
6	27	26	28	139	e220	86	182	352	41	263	304	23
7	27	26	27	135	e210	183	168	348	36	154	337	22
8	26	26	27	133	e210	266	263	344	34	31	305	22
9	26	26	27	132	e210	423	278	340	33	31	296	28
10	26	27	27	134	e200	396	216	365	32	30	301	22
11	26	27	26	215	e200	394	196	343	33	29	305	21
12	26	27	26	296	e200	423	192	564	33	29	294	33
13	29	27	26	284	e200	419	184	608	53	29	285	33
14	48	26	31	279	e200	430	183	440	334	29	276	24
15	31	26	67	276	e200	416	334	379	417	32	270	25
16	95	25	80	275	e84	403	383	361	402	30	281	23
17	85	25	103	e270	e33	403	380	350	372	30	258	21
18	29	25	150	e270	e31	399	382	391	377	30	250	21
19	28	25	145	e270	e31	434	375	409	376	29	244	21
20	28	25	147	e260	e31	451	390	423	362	29	233	21
21	27	25	144	e260	31	414	511	391	371	30	229	21
22	28	25	139	e260	33	394	539	387	374	30	227	20
23	28	25	136	e260	85	373	558	388	356	29	228	305
24	27	25	133	e250	238	355	462	379	343	29	134	63
25	27	24	133	e250	273	343	432	393	340	29	33	39
26	26	48	132	e250	181	328	416	371	332	29	32	30
27	27	43	129	e250	131	316	410	360	328	29	32	25
28	27	32	e130	e240	159	309	402	348	314	29	31	24
29	27	29	129	e240	78	308	389	337	307	29	31	22
30	27	28	125	e240	---	299	376	333	304	29	31	21
31	27	---	123	e240	---	291	---	328	---	69	31	---
TOTAL	994	825	2528	6798	4599	9540	9853	11861	6889	2605	7478	1121
MEAN	32.1	27.5	81.5	219	159	308	328	383	230	84.0	241	37.4
MAX	95	48	150	296	273	451	558	608	417	300	671	305
MIN	26	24	26	122	31	50	168	328	32	29	31	20

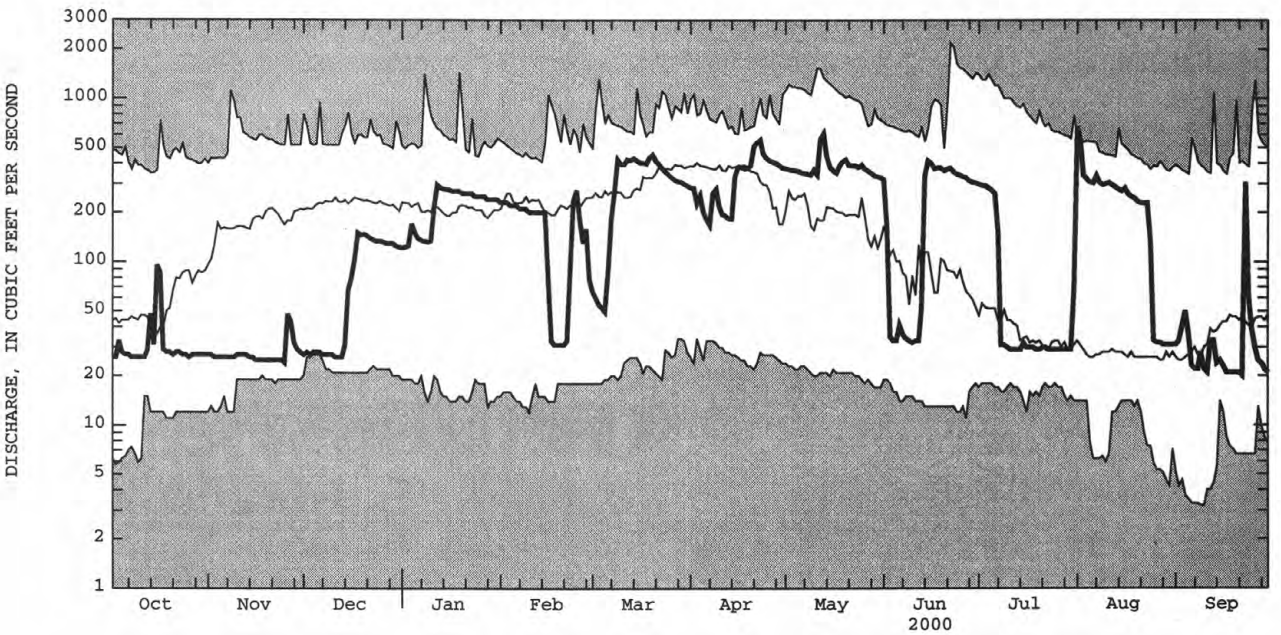
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	112	184	234	209	211	306	320	270	184	110	83.1	81.5
MAX	404	534	532	523	421	601	737	1003	676	892	450	256
(WY)	1978	1978	1978	1998	1978	1976	1993	1996	1972	1972	1972	1987
MIN	14.6	21.2	25.4	18.3	19.2	31.8	34.9	22.2	17.2	21.1	13.7	7.14
(WY)	1989	1999	1981	1966	1967	1989	1995	1988	1980	1985	1983	1982

e Estimated

04232482 KEUKA LAKE OUTLET AT DRESDEN, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1965 - 2000	
ANNUAL TOTAL	32635		65091			
ANNUAL MEAN	89.4		178		193	
HIGHEST ANNUAL MEAN					362	1978
LOWEST ANNUAL MEAN					81.1	1981
HIGHEST DAILY MEAN	750	Jan 23	671	Aug 1	2200	Jun 22 1972
LOWEST DAILY MEAN	19	Jan 1	20	Sep 22	3.2	Sep 9 1982
ANNUAL SEVEN-DAY MINIMUM	19	Jan 1	21	Sep 16	3.4	Sep 4 1982
10 PERCENT EXCEEDS	255		388		445	
50 PERCENT EXCEEDS	27		139		131	
90 PERCENT EXCEEDS	24		26		21	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.

SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04233000 CAYUGA INLET NEAR ITHACA, NY

LOCATION.--Lat 42°23'35", long 76°32'43", Tompkins County, Hydrologic Unit 04140201, on left bank 0.8 mi upstream from Enfield (formerly Butternut) Creek, and 5.0 mi south of Ithaca.
DRAINAGE AREA.--35.2 mi^2.
PERIOD OF RECORD.--March 1937 to current year.
REVISED RECORDS.--WSP 2112: Drainage area. WRD NY 1974: 1973.
GAGE.--Water-stage recorder and concrete control. Datum of gage is 437.16 ft above sea level (levels by Corps of Engineers).
REMARKS.--Records fair. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,800 ft^3/s, Jun. 23, 1972, gage height, 8.10 ft, from rating curve extended above 1,600 ft^3/s on basis of slope-area measurements at gage heights 5.5 ft and 7.58 ft; minimum discharge, 1.7 ft^3/s, July 22, 1955.
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	0130	*892	*3.33	No other peak greater than base discharge.			

Minimum discharge, 4.8 ft^3/s, Sep. 1, 2.

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	8.7	31	18	e19	149	42	50	39	30	14	5.0
2	13	10	27	20	e18	122	54	56	36	25	11	6.4
3	11	17	28	29	e20	99	100	48	33	25	11	7.6
4	15	12	33	108	e19	86	342	45	30	25	12	6.7
5	13	11	29	59	e18	79	167	43	29	22	9.4	5.9
6	11	10	29	41	e18	70	111	41	46	20	9.4	5.3
7	10	9.8	27	39	e17	62	88	40	43	19	13	5.1
8	9.4	9.6	24	33	e17	63	141	40	31	18	9.4	5.1
9	9.0	9.4	22	32	e18	61	195	37	31	17	17	6.7
10	9.4	9.9	23	54	e20	56	128	73	30	18	40	6.4
11	9.7	14	23	86	32	53	106	63	31	15	17	5.7
12	8.7	11	21	64	32	86	96	94	75	14	14	21
13	8.5	11	21	51	30	64	82	88	56	13	12	24
14	39	11	27	42	42	59	73	87	60	16	11	13
15	21	10	64	e34	45	54	67	67	45	32	9.4	15
16	16	10	59	e30	37	55	62	56	39	29	8.5	12
17	14	10	42	e26	34	65	61	49	36	22	7.1	9.3
18	13	9.7	36	e25	33	55	99	56	61	19	6.8	7.7
19	12	9.6	31	e24	32	55	85	92	65	16	6.6	7.2
20	12	9.4	33	e24	31	52	77	80	42	14	6.1	6.5
21	11	9.6	41	e23	29	49	123	74	78	13	5.6	8.1
22	11	9.2	32	e22	31	47	179	71	69	13	5.3	6.8
23	11	9.2	26	e22	55	44	133	66	44	12	11	6.5
24	11	9.2	26	e21	137	41	103	94	35	11	10	6.7
25	11	9.5	23	e22	357	42	87	114	36	10	7.1	6.5
26	10	97	24	e21	408	43	78	86	35	9.5	6.4	6.2
27	9.6	139	22	e21	424	38	73	73	31	9.4	5.9	6.0
28	9.3	61	22	e20	525	77	67	63	26	10	5.7	5.9
29	9.2	44	21	e20	225	60	59	55	38	12	5.8	5.7
30	9.1	37	20	e19	---	51	52	48	49	15	5.5	5.8
31	8.8	---	19	e19	---	46	---	42	---	15	5.1	---
TOTAL	384.7	637.8	906	1069	2723	1983	3130	1991	1299	538.9	318.1	245.8
MEAN	12.4	21.3	29.2	34.5	93.9	64.0	104	64.2	43.3	17.4	10.3	8.19
MAX	39	139	64	108	525	149	342	114	78	32	40	24
MIN	8.5	8.7	19	18	17	38	42	37	26	9.4	5.1	5.0
CFSM	.35	.60	.83	.98	2.67	1.82	2.96	1.82	1.23	.49	.29	.23
IN.	.41	.67	.96	1.13	2.88	2.10	3.31	2.10	1.37	.57	.34	.26

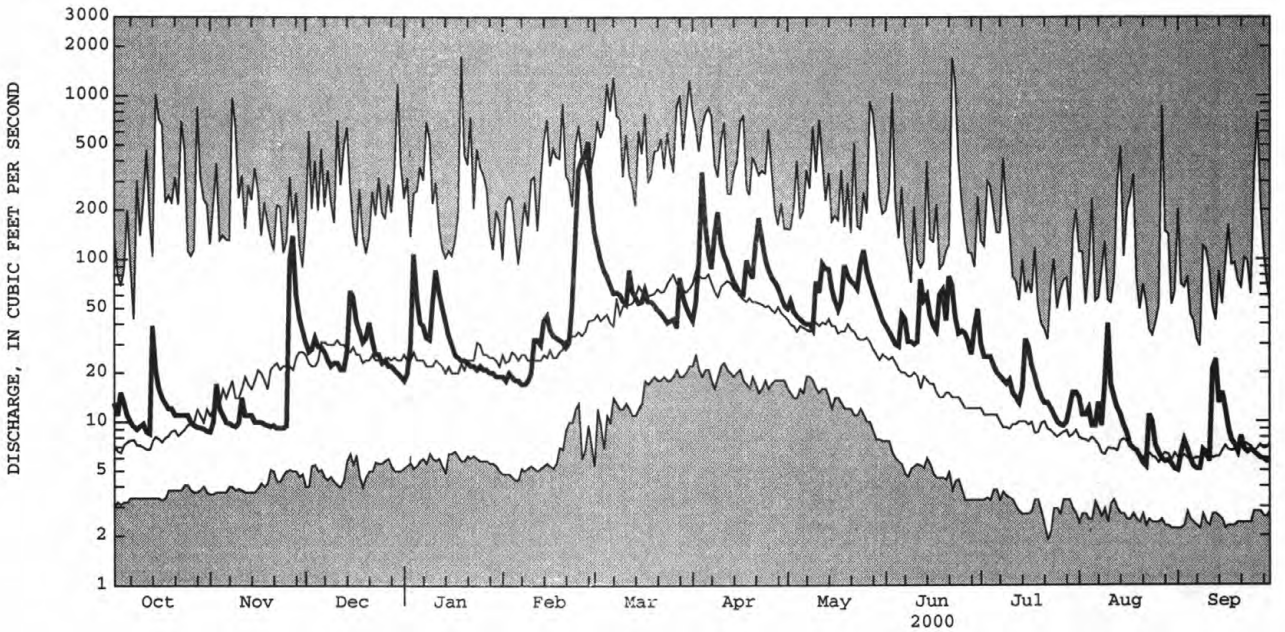
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	20.1	31.4	39.8	37.7	48.2	89.1	87.5	51.6	27.4	14.7	11.7	11.6
MAX	106	112	118	131	113	182	310	132	162	57.4	66.2	61.0
(WY)	1956	1997	1973	1998	1976	1945	1993	1984	1972	1972	1942	1975
MIN	3.76	4.56	6.09	6.32	11.8	25.0	21.8	16.7	5.47	3.77	3.24	2.98
(WY)	1965	1965	1961	1961	1980	1965	1946	1955	1955	1955	1966	1964

e Estimated

04233000 CAYUGA INLET NEAR ITHACA, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1937 - 2000	
ANNUAL TOTAL	10965.3		15226.3			
ANNUAL MEAN	30.0		41.6		39.0	
HIGHEST ANNUAL MEAN					61.7	1978
LOWEST ANNUAL MEAN					15.3	1965
HIGHEST DAILY MEAN	644	Mar 4	525	Feb 28	1750	Jan 19 1996
LOWEST DAILY MEAN	3.0	Sep 5	5.0	Sep 1	1.9	Jul 22 1955
ANNUAL SEVEN-DAY MINIMUM	3.2	Aug 31	5.6	Aug 26	2.2	Aug 28 1939
ANNUAL RUNOFF (CFSM)	.85		1.18		1.11	
ANNUAL RUNOFF (INCHES)	11.59		16.09		15.06	
10 PERCENT EXCEEDS	69		86		86	
50 PERCENT EXCEEDS	13		26		20	
90 PERCENT EXCEEDS	4.4		8.0		5.4	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.

SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04233300 SIXMILE CREEK AT BETHEL GROVE, NY

LOCATION.--Lat 42°24'11", long 76°26'07", Tompkins County, Hydrologic Unit 04140201, on left bank at bridge on German Cross road, 3.4 mi southeast of Ithaca.
DRAINAGE AREA.--39.0 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1995 to current year.
GAGE.--Water-stage recorder. Elevation of gage is 700 ft above sea level, from topographic map.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Telephone gage-height telemeter at station. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,200 ft^3/s, Jan. 19, 1996, gage height, 9.78 ft; minimum discharge, 1.5 ft^3/s, Aug. 2, 1995.
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	0030	*2,020	*5.85	May 13	1915	1,390	5.18
May 12	1145	1,290	4.98	June 21	1945	1,440	5.24

Minimum discharge, 7.3 ft^3/s, Sep. 7, 8, 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	24	14	56	26	e32	204	57	51	54	e36	12	7.9
2	15	18	48	29	e30	171	73	73	51	e30	11	9.6
3	12	55	48	81	e34	131	137	50	49	e28	18	11
4	18	27	65	216	e32	115	508	43	41	e33	19	9.7
5	16	22	55	113	e30	108	253	42	40	e26	12	9.0
6	13	21	52	84	e30	91	167	37	55	e23	12	8.0
7	12	20	50	76	e28	84	114	33	52	e20	15	7.6
8	11	19	43	63	e28	121	226	31	40	18	12	7.6
9	11	18	39	58	e28	106	266	27	38	18	19	8.9
10	13	20	39	99	e26	110	186	101	36	18	42	9.0
11	14	37	40	126	e35	105	152	114	130	15	17	8.3
12	11	24	34	88	e40	175	165	504	175	14	16	53
13	12	23	32	79	e35	110	125	467	122	13	14	66
14	49	22	42	e60	e50	99	112	351	129	12	13	18
15	30	22	80	e56	e65	88	99	204	90	49	12	28
16	23	22	65	e52	e55	81	90	140	73	43	11	21
17	20	21	51	e45	e52	100	85	93	64	46	10	15
18	19	20	45	e43	e48	76	176	111	127	23	10	12
19	18	22	41	e42	e48	72	126	186	114	19	10	12
20	18	22	46	e42	e45	66	110	142	66	17	9.5	11
21	16	21	61	e40	e44	58	173	129	234	19	8.8	13
22	17	21	44	e38	e40	53	236	115	201	19	8.8	11
23	17	21	38	e38	e70	48	224	107	98	15	13	12
24	18	21	e30	e36	149	43	172	273	73	14	13	12
25	18	21	e32	e38	359	43	122	303	69	13	10	11
26	16	156	e35	e36	511	41	101	184	65	12	9.2	11
27	16	247	e34	e36	e720	34	88	129	56	13	8.9	10
28	15	111	e32	e34	e900	131	79	99	e50	12	8.6	9.7
29	15	81	e30	e34	310	77	66	83	e45	12	8.6	9.4
30	14	69	e30	e32	---	65	57	68	e60	13	8.2	9.4
31	14	---	29	e32	---	62	---	59	---	14	8.1	---
TOTAL	535	1238	1366	1872	3874	2868	4545	4349	2497	657	399.7	441.1
MEAN	17.3	41.3	44.1	60.4	134	92.5	152	140	83.2	21.2	12.9	14.7
MAX	49	247	80	216	900	204	508	504	234	49	42	66
MIN	11	14	29	26	26	34	57	27	36	12	8.1	7.6
CFSM	.44	1.05	1.12	1.54	3.40	2.35	3.85	3.57	2.12	.54	.33	.37
IN.	.51	1.17	1.29	1.77	3.67	2.71	4.30	4.12	2.36	.62	.38	.42

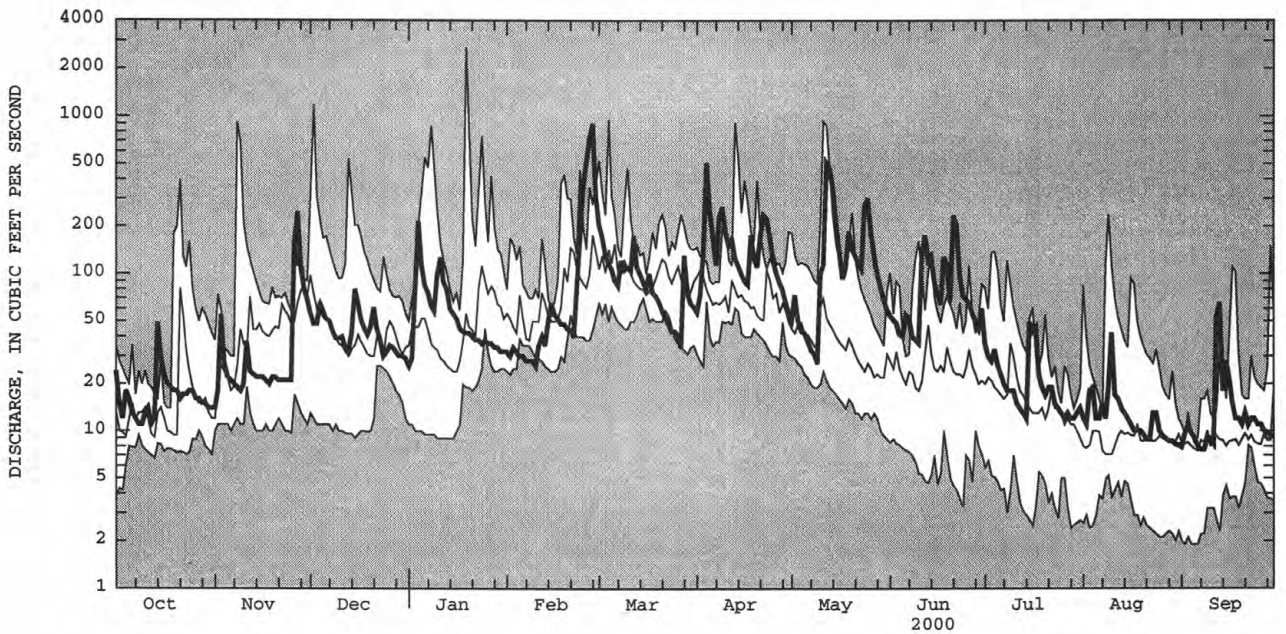
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	24.4	54.4	65.7	102	98.2	118	102	79.0	40.3	21.3	14.9	13.2
MAX	52.9	125	184	186	134	174	166	165	83.2	40.2	47.4	27.3
(WY)	1997	1997	1997	1996	2000	1998	1996	1996	2000	1996	1996	1996
MIN	9.19	11.5	14.8	37.7	73.1	84.8	51.5	19.5	6.77	4.10	3.93	4.38
(WY)	1998	1999	1999	1997	1999	1996	1995	1999	1999	1999	1999	1995

e Estimated

04233300 SIXMILE CREEK AT BETHEL GROVE, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1995 - 2000	
ANNUAL TOTAL	15876.4		24641.8			
ANNUAL MEAN	43.5		67.3		63.6	
HIGHEST ANNUAL MEAN					81.3	1996
LOWEST ANNUAL MEAN					38.1	1999
HIGHEST DAILY MEAN	950	Mar 4	900	Feb 28	2700	Jan 19 1996
LOWEST DAILY MEAN	1.9	Sep 2	7.6	Sep 7	1.9	Sep 2 1999
ANNUAL SEVEN-DAY MINIMUM	2.0	Aug 31	8.3	Sep 5	2.0	Aug 31 1999
ANNUAL RUNOFF (CFSM)	1.11		1.71		1.62	
ANNUAL RUNOFF (INCHES)	15.03		23.33		21.97	
10 PERCENT EXCEEDS	110		144		125	
50 PERCENT EXCEEDS	19		39		32	
90 PERCENT EXCEEDS	3.4		11		7.6	



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.

04233300 SIXMILE CREEK AT BETHEL GROVE, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1996 to current year.
PERIOD OF DAILY RECORD.--
SUSPENDED-SOLIDS CONCENTRATION: October 1996 to November 1998.
SUSPENDED-SOLIDS DISCHARGE: October 1996 to November 1998.
SUSPENDED-SEDIMENT CONCENTRATION: December 1998 to current year.
SUSPENDED-SEDIMENT DISCHARGE: December 1998 to current year.
INSTRUMENTATION.--Automatic water sampler since 1995.
COOPERATION.--Water-quality samples were collected and analyzed by personnel from the City of Ithaca Environmental Laboratories. Records of daily suspended sediment (mg/L) furnished by the City of Ithaca Environmental Laboratories.
EXTREMES FOR PERIOD OF RECORD.--
SUSPENDED-SOLIDS CONCENTRATION: Maximum daily mean, 1,480 mg/L on Nov. 8, 1996; minimum daily mean, 1 mg/L on many days during the 1998 water year.
SUSPENDED-SOLIDS DISCHARGE: Maximum daily mean, 7,050 tons on Nov. 8, 1996; minimum daily mean, 0.02 tons on several days in October 1997 and September 1998.
SUSPENDED-SEDIMENT CONCENTRATION: Maximum daily mean, 2,120 mg/L, Feb. 28, 2000; minimum daily mean, 3 mg/L, Apr. 28, 1999 to May 2, 1999.
SUSPENDED-SEDIMENT DISCHARGE: Maximum daily mean, 6,800 tons, Mar. 4, 1999; minimum daily mean, 0.13 tons, Aug. 26, 1999.
EXTREMES FOR CURRENT YEAR.--
SUSPENDED-SEDIMENT CONCENTRATION: Maximum daily mean, 2.120 mg/L, Feb. 28, 2000; minimum daily mean, 11 mg/L, July 14.
SUSPENDED-SEDIMENT DISCHARGE: Maximum daily mean, 6,580 tons, Feb. 28; minimum daily mean, 0.35 tons, July 14.

SEDIMENT, SUSPENDED CONCENTRATION (MG/L), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	48	40	21	42	150	37	66	45	50	20	27
2	32	44	40	21	42	133	35	65	46	41	23	28
3	33	57	40	82	52	118	35	64	47	33	36	29
4	43	45	55	131	59	105	471	64	48	26	31	30
5	51	37	55	45	49	93	97	63	49	22	25	32
6	42	37	50	32	40	83	97	60	49	18	19	33
7	40	39	46	25	33	85	114	58	47	16	15	33
8	40	40	39	26	37	95	160	57	45	17	14	34
9	40	40	26	27	42	83	127	58	43	20	27	34
10	40	38	19	61	41	90	74	167	42	21	29	34
11	39	44	24	64	40	95	61	126	304	16	20	35
12	39	37	30	27	39	165	62	795	206	12	20	80
13	43	37	37	34	39	130	65	725	92	12	20	93
14	58	38	49	44	44	114	68	79	61	11	21	44
15	53	39	58	50	92	102	69	70	56	30	21	64
16	46	38	35	57	163	102	69	86	54	28	21	57
17	40	37	23	64	146	101	70	38	52	52	21	48
18	36	38	21	73	125	96	82	68	133	42	21	41
19	42	39	21	78	122	90	69	109	60	33	23	33
20	48	38	30	69	121	87	90	68	59	26	24	27
21	47	38	33	59	120	89	122	56	805	28	25	22
22	44	36	14	46	119	91	114	53	203	37	21	18
23	42	33	16	35	130	90	85	82	37	27	18	15
24	39	31	19	29	206	89	76	95	45	20	19	14
25	38	35	23	30	291	88	72	124	62	17	20	12
26	41	404	28	32	362	87	68	39	83	15	20	13
27	45	220	31	34	1590	80	63	40	90	15	21	15
28	50	71	27	36	2120	62	60	41	88	16	22	16
29	50	37	24	38	181	44	61	42	73	17	23	17
30	49	37	23	40	---	41	64	43	56	18	24	19
31	49	---	22	43	---	39	---	44	---	19	26	---
MEAN	43	58	32	47	224	94	91	114	103	24	22	33
MAX	58	404	58	131	2120	165	471	795	805	52	36	93
MIN	31	31	14	21	33	39	35	38	37	11	14	12

04233300 SIXMILE CREEK AT BETHEL GROVE, NY--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), 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	1.8	6.0	1.5	3.6	83	5.6	9.0	6.5	5.0	.66	.57
2	1.3	2.3	5.2	1.7	3.4	62	6.9	13	6.4	3.3	.68	.73
3	1.1	8.3	5.2	20	4.8	42	13	8.6	6.2	2.5	1.7	.83
4	2.1	3.3	9.7	83	5.1	32	921	7.5	5.4	2.3	1.5	.80
5	2.2	2.2	8.1	14	4.0	27	70	7.2	5.4	1.5	.80	.77
6	1.5	2.1	7.1	7.3	3.2	21	43	6.1	7.3	1.1	.60	.71
7	1.3	2.0	6.1	5.1	2.5	20	35	5.2	6.6	.86	.62	.68
8	1.2	2.0	4.6	4.3	2.8	31	130	4.7	4.9	.85	.45	.69
9	1.2	1.9	2.7	4.2	3.2	24	97	4.2	4.5	.93	2.5	.82
10	1.4	2.1	2.1	22	2.9	27	38	74	4.1	1.0	4.0	.83
11	1.5	4.4	2.5	22	3.8	28	25	42	273	.64	.94	.78
12	1.2	2.4	2.7	6.5	4.2	81	28	1900	107	.44	.89	23
13	1.4	2.3	3.2	7.2	3.7	39	22	2080	29	.40	.76	20
14	7.7	2.3	6.1	7.1	5.9	30	20	83	21	.35	.71	2.1
15	4.3	2.3	12	7.6	16	24	18	37	14	6.5	.67	4.9
16	2.8	2.3	6.2	8.0	24	22	17	33	11	3.5	.64	3.2
17	2.2	2.1	3.1	7.8	20	27	17	9.7	8.9	6.6	.59	1.9
18	1.9	2.1	2.6	8.5	16	20	40	23	66	2.6	.58	1.4
19	2.0	2.3	2.3	8.8	16	17	23	50	21	1.7	.61	1.0
20	2.3	2.3	4.2	7.8	15	15	27	26	10	1.2	.63	.80
21	2.1	2.2	5.8	6.4	14	14	58	20	1650	1.6	.59	.75
22	2.0	2.1	1.7	4.7	13	13	74	17	146	1.9	.50	.55
23	2.0	1.9	1.6	3.6	25	12	51	24	9.8	1.1	.66	.50
24	1.9	1.7	1.5	2.8	84	10	35	72	8.8	.78	.68	.44
25	1.8	2.0	2.0	3.0	300	10	24	112	12	.59	.53	.38
26	1.8	484	2.6	3.1	573	9.6	18	20	15	.49	.51	.38
27	1.9	192	2.8	3.3	3430	7.4	15	14	14	.50	.51	.40
28	2.0	22	2.3	3.3	6580	23	13	11	12	.52	.52	.42
29	2.0	8.3	1.9	3.5	158	9.1	11	9.4	8.9	.54	.54	.44
30	1.9	6.9	1.9	3.4	---	7.3	9.8	8.0	9.0	.64	.54	.48
31	1.9	---	1.7	3.7	---	6.5	---	7.1	---	.69	.56	---
TOTAL	63.6	775.9	127.5	295.2	11337.1	793.9	1905.3	4737.7	2503.7	52.62	26.67	71.25
MEAN	2.1	26	4.1	9.5	391	26	64	153	83	1.7	.86	2.4
MAX	7.7	484	12	83	6580	83	921	2080	1650	6.6	4.0	23
MIN	1.1	1.7	1.5	1.5	2.5	6.5	5.6	4.2	4.1	.35	.45	.38

04233500 CAYUGA INLET (CAYUGA LAKE) AT ITHACA, NY

(Formerly published as Cayuga Lake at Ithaca)

LOCATION.--Lat 42°26'45", long 76°30'45", Tompkins County, Hydrologic Unit 04140201, on left bank of natural channel 40 ft upstream from flood-control channel of Cayuga Inlet, at north end of Taughannock Boulevard, and 1.0 mi upstream from mouth of Inlet, at Ithaca.
DRAINAGE AREA.--Cayuga Inlet 143 mi^2; Cayuga Lake at mouth 1,564 mi^2; Cayuga Lake portion 785 mi^2.
PERIOD OF RECORD.--August 1905 to December 1909, August 1956 to current year in reports of Geological Survey. January 1910 to September 1925 in reports of State Engineer and Surveyor.
REVISED RECORDS.--WSP 2112: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is sea level (1.43 ft Barge Canal datum). To convert elevations to sea level adjustment of 1988, subtract 0.62 ft. Prior to September 1925, non-recording gage at several sites within 1 mi of present site. Prior to October 1968, at datum 378.57 ft. higher. October 1968 to September 1975, at datum 376.57 ft. higher.
REMARKS.--Lake elevation regulated at Mud Lock by New York State Thruway Authority. Area of water surface, 66.9 mi^2. Seneca River (Cayuga and Seneca Canal) enters lake 0.5 mi upstream from Mud Lock and is included in second drainage area given above. Telephone gage-height telemeter at station.
EXTREMES FOR PERIOD OF RECORD.--(1905-25 and since 1956): Maximum elevation, 386.46 ft, April 26, 1993; minimum elevation not determined; minimum daily elevation, 377.64 ft, present datum, Mar. 28, 1960.
EXTREMES FOR CURRENT YEAR.--Maximum elevation, 383.83 ft, May 25; minimum elevation, 379.13 ft, Dec. 30, Jan. 2, 3.

ELEVATION (FEET ABOVE SEA LEVEL), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	382.47	381.43	381.08	379.15	379.33	381.58	381.21	383.00	383.26	382.72	382.74	382.31
2	382.38	381.40	380.96	379.14	379.37	381.72	381.29	382.99	383.15	382.58	382.87	382.35
3	382.45	381.42	380.86	379.19	379.31	381.79	381.43	382.85	383.11	382.54	382.89	382.39
4	382.46	381.47	380.82	379.32	379.35	381.71	381.83	382.71	382.95	382.54	382.91	382.40
5	382.42	381.43	380.74	379.51	379.34	381.68	382.17	382.66	382.82	382.58	382.82	382.42
6	382.36	381.48	380.72	379.42	379.36	381.62	382.28	382.68	382.77	382.60	382.76	382.34
7	382.33	381.54	380.70	379.49	379.36	381.51	382.40	382.71	382.71	382.63	382.76	382.28
8	382.10	381.47	380.59	379.47	379.33	381.44	382.56	382.73	382.59	382.67	382.81	382.22
9	382.09	381.40	380.49	379.47	379.31	381.36	382.99	382.77	382.53	382.63	382.76	382.28
10	382.09	381.43	380.41	379.47	379.34	381.33	383.10	382.86	382.53	382.71	382.81	382.30
11	382.05	381.53	380.46	379.53	379.39	381.23	383.17	383.04	382.60	382.75	382.77	382.27
12	381.97	381.43	380.30	379.59	379.39	381.23	383.26	383.12	382.81	382.70	382.81	382.26
13	381.82	381.43	380.22	379.67	379.36	381.14	383.25	383.43	382.85	382.70	382.73	382.43
14	382.01	381.46	380.19	379.62	379.48	381.04	383.20	383.62	382.95	382.67	382.71	382.37
15	381.87	381.53	380.13	379.48	379.51	380.99	383.20	383.66	383.05	382.74	382.64	382.42
16	381.73	381.49	380.12	379.50	379.51	380.98	383.23	383.64	383.16	382.79	382.70	382.46
17	381.77	381.43	380.11	379.53	379.54	381.07	383.17	383.59	383.25	382.78	382.67	382.37
18	381.82	381.34	380.06	379.37	379.49	380.88	383.13	383.55	383.32	382.85	382.54	382.35
19	381.68	381.28	379.96	379.35	379.55	380.71	383.12	383.69	383.37	382.82	382.55	382.33
20	381.61	381.26	379.82	379.38	379.51	380.69	383.07	383.70	383.33	382.76	382.46	382.30
21	381.60	381.24	379.84	379.41	379.48	380.70	383.09	383.72	383.24	382.73	382.36	382.32
22	381.49	381.19	379.76	379.36	379.42	380.68	383.30	383.68	383.38	382.72	382.30	382.35
23	381.50	381.16	379.66	379.29	379.42	380.64	383.43	383.64	383.44	382.71	382.31	382.29
24	381.54	381.09	379.57	379.32	379.56	380.62	383.43	383.65	383.36	382.64	382.39	382.42
25	381.50	381.05	379.46	379.36	379.92	380.60	383.44	383.72	383.24	382.65	382.36	382.42
26	381.44	381.06	379.32	379.38	380.25	380.64	383.39	383.75	383.22	382.61	382.35	382.37
27	381.50	381.20	379.29	379.36	380.63	380.58	383.34	383.72	383.16	382.60	382.35	382.33
28	381.45	381.21	379.21	379.34	381.30	380.76	383.28	383.67	383.04	382.60	382.37	382.40
29	381.44	381.19	379.21	379.30	381.54	380.89	383.21	383.59	382.93	382.54	382.32	382.30
30	381.42	381.18	379.18	379.27	---	381.02	383.17	383.48	382.87	382.57	382.31	382.20
31	381.45	---	379.20	379.32	---	381.15	---	383.35	---	382.55	382.33	---
MEAN	381.86	381.34	380.08	379.40	379.64	381.10	382.87	383.32	383.03	382.67	382.60	382.34
MAX	382.47	381.54	381.08	379.67	381.54	381.79	383.44	383.75	383.44	382.85	382.91	382.46
MIN	381.42	381.05	379.18	379.14	379.31	380.58	381.21	382.66	382.53	382.54	382.30	382.20

CAL YR 1999 MEAN 381.46 MAX 382.80 MIN 379.09
WTR YR 2000 MEAN 381.69 MAX 383.75 MIN 379.14

04234000 FALL CREEK NEAR ITHACA, NY

LOCATION.--Lat 42°27'12", long 76°28'23", Tompkins County, Hydrologic Unit 04140201, on left bank in Forest Home, 0.2 mi east of Ithaca, 0.5 mi upstream from Cornell University dam, and 2.2 mi upstream from mouth.
DRAINAGE AREA.--126 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1908 to June 1909 (gage heights only), February 1925 to current year.
REVISED RECORDS.--WSP 874: 1935-38. WSP 1912: Drainage area.
GAGE.--Water-stage recorder and concrete control. Datum of gage is 795.13 ft above sea level. July 1908 to June 1909, nonrecording gage at bridge 1.2 mi downstream at different datum.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Diversion from point about 1 mi upstream from station by Cornell University for water supply and at several sites for irrigation purposes. Records of diversion from Fall Creek are in files of Cornell University. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 15,500 ft^3/s, July 8, 1935, gage height, 9.52 ft, from average of computed flow over each of four dams; maximum gage height, 11.16 ft, Feb.21, 1971 (ice jam); minimum discharge, 2.1 ft^3/s, Sep. 6, 7, 1999, gage height, 0.12 ft.
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)
Feb. 28	1030	*3,470	*4.74	No other peak greater than base discharge.			

Minimum discharge, 18 ft^3/s, Sep. 1, 2, 12, gage height, 0.40 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	99	36	146	e70	e85	687	193	174	169	124	e50	19
2	57	39	124	95	e80	542	187	241	165	107	e44	19
3	41	113	126	226	e90	444	419	204	269	103	e60	19
4	44	93	185	662	e85	386	1320	166	170	129	e62	56
5	70	66	210	440	e80	370	959	158	145	103	e40	41
6	53	53	179	243	e80	310	521	152	205	88	e40	27
7	40	47	171	209	e75	275	381	133	229	81	e47	22
8	34	46	148	168	e75	311	487	119	165	75	e40	21
9	32	42	126	162	e75	316	1030	120	145	72	e70	25
10	32	41	119	194	e70	343	595	193	140	78	e130	37
11	34	69	135	453	e100	299	473	705	218	71	e64	29
12	33	74	119	365	e120	535	452	572	1020	62	e48	37
13	32	60	110	236	e100	387	397	860	437	55	e44	178
14	123	59	115	e160	e140	314	355	952	700	58	e39	81
15	131	55	210	e150	e170	281	307	464	408	148	35	87
16	85	56	238	e140	e150	260	276	327	275	397	33	76
17	66	55	179	e120	e140	321	248	253	232	252	30	50
18	55	53	145	e115	e130	252	394	275	329	147	28	39
19	48	57	116	e110	e130	255	451	652	525	107	28	38
20	43	67	e120	e110	e120	231	332	525	259	90	26	34
21	40	81	169	e105	e120	204	548	429	270	79	24	34
22	38	80	144	e100	e110	191	814	388	689	79	22	34
23	41	70	106	e100	e150	181	656	361	318	71	26	40
24	44	64	82	e95	e500	171	467	697	221	63	54	90
25	58	61	87	e100	1030	162	357	939	185	56	40	69
26	53	181	92	e95	1280	174	291	532	210	e52	31	48
27	45	737	e90	e95	1690	149	257	370	173	e50	27	40
28	39	337	e85	e90	3080	401	246	295	148	e48	24	34
29	37	215	e80	e90	1260	343	217	253	139	e50	23	30
30	35	178	e80	e85	---	266	191	219	156	e56	22	29
31	34	---	e75	e85	---	226	---	185	---	e58	19	---
TOTAL	1616	3185	4111	5468	11315	9587	13821	11913	8714	3009	1270	1383
MEAN	52.1	106	133	176	390	309	461	384	290	97.1	41.0	46.1
MAX	131	737	238	662	3080	687	1320	952	1020	397	130	178
MIN	32	36	75	70	70	149	187	119	139	48	19	19
CFSM	.41	.84	1.05	1.40	3.10	2.45	3.66	3.05	2.31	.77	.33	.37
IN.	.48	.94	1.21	1.61	3.34	2.83	4.08	3.52	2.57	.89	.37	.41

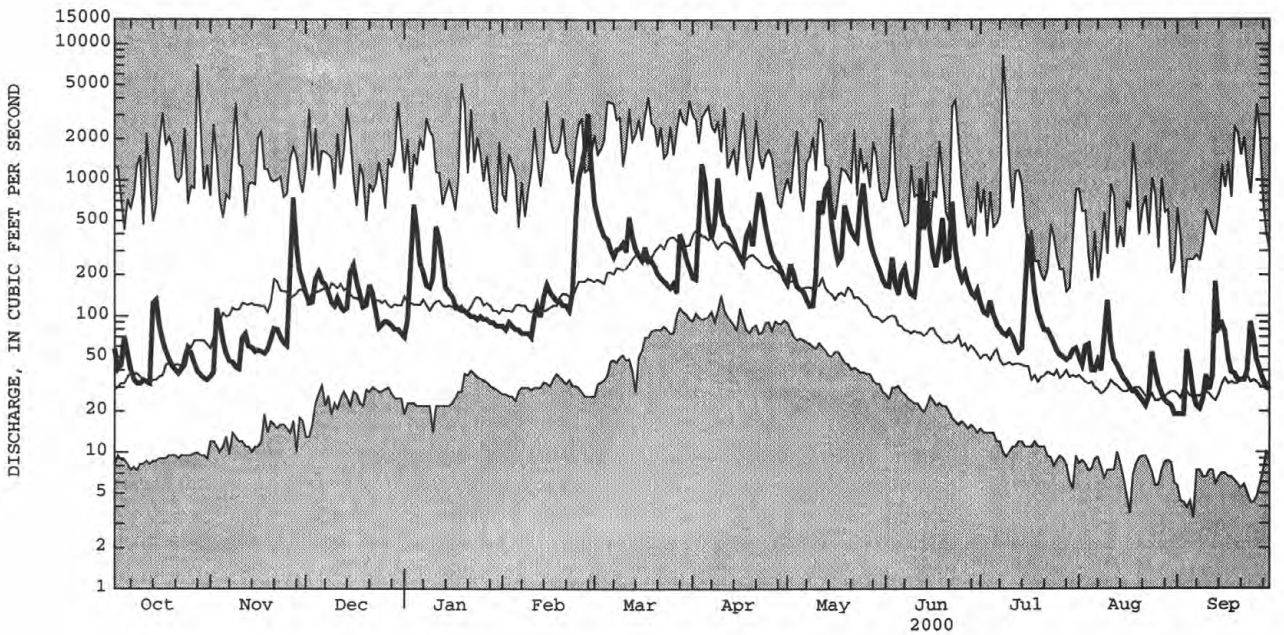
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1925 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	102	177	207	194	219	412	411	212	119	71.8	51.1	64.1
MAX	594	497	555	575	595	1037	1313	532	615	608	269	561
(WY)	1982	1928	1997	1998	1981	1936	1993	1996	1972	1935	1994	1977
MIN	9.57	16.5	31.9	38.4	44.1	160	100	62.0	25.6	14.9	8.93	7.09
(WY)	1965	1965	1961	1961	1934	1965	1946	1934	1999	1999	1965	1964

e Estimated

04234000 FALL CREEK NEAR ITHACA, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1925 - 2000	
ANNUAL TOTAL	45140.5		75392			
ANNUAL MEAN	124		206		187	
HIGHEST ANNUAL MEAN					271	1978
LOWEST ANNUAL MEAN					83.6	1965
HIGHEST DAILY MEAN	2070	Jan 24	3080	Feb 28	8280	Jul 8 1935
LOWEST DAILY MEAN	3.3	Sep 6	19	Aug 31	3.3	Sep 6 1999
ANNUAL SEVEN-DAY MINIMUM	4.6	Aug 31	21	Aug 28	4.6	Aug 31 1999
ANNUAL RUNOFF (CFSM)	.98		1.63		1.48	
ANNUAL RUNOFF (INCHES)	13.33		22.26		20.13	
10 PERCENT EXCEEDS	299		456		417	
50 PERCENT EXCEEDS	57		120		100	
90 PERCENT EXCEEDS	11		35		23	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.

SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04234000 FALL CREEK NEAR ITHACA, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--1997 to current year.
PESTICIDE DATA: 1997 (d), 1999 (e), 2000 (b).
REMARKS.--Samples were taken as part of a state-wide pesticide sampling network in cooperation with the New York State Department of Environmental Conservation. Tables of compounds included when pesticide analyses were performed on samples appear following the introduction to the State-wide Monitoring of Pesticides in Surface Water of New York State section on pages 314-315. Additional water-quality data available from New York State Department of Environmental Conservation.

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	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)	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)
OCT											
13...	1420	30	<.002	<.002	.0074	E.0102	<.001	<.002	<.002	<.003	<.003
DEC											
14...	1520	110	<.002	<.002	.0065	E.0089	<.001	<.002	<.002	<.003	<.003
AUG											
31...	0910	19	<.002	<.002	.0156	E.0128	<.001	<.002	<.002	<.003	<.003

DATE	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)	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)
OCT											
13...	<.004	<.004	<.002	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003
DEC											
14...	<.004	<.004	<.002	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003
AUG											
31...	<.004	<.004	<.002	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003

DATE	FONOFOS WATER DISS REC (UG/L) (04095)	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)	PARA-THION, DIS-SOLVED (UG/L) (39542)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)
OCT											
13...	<.003	<.002	<.004	<.002	<.005	<.002	<.004	<.004	<.003	<.004	<.006
DEC											
14...	<.003	<.002	<.004	<.002	<.005	<.002	<.004	<.004	<.003	<.004	<.006
AUG											
31...	<.003	<.002	<.004	<.002	<.005	.0048	<.004	<.004	<.003	<.004	<.006

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)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)
OCT										
13...	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004	<.013	<.005
DEC										
14...	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004	<.013	<.005
AUG										
31...	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004	<.013	<.005

DATE	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	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)
OCT										
13...	<.010	<.007	<.013	<.002	<.001	<.002	<.05	<.05	<.05	<.05
DEC										
14...	<.010	<.007	<.013	<.002	<.001	<.002	<.05	<.05	<.05	<.05
AUG										
31...	<.010	<.007	<.013	<.002	<.001	<.002	--	--	--	--

04234000 FALL CREEK NEAR ITHACA, NY--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TER-BUTRYN WATER, DISS, REC (UG/L) (38888)	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)	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)
OCT										
13...	<.05	<.20	<.20	<.20	<.20	.28	<.20	<.05	--	--
DEC										
14...	<.05	<.20	.33	<.20	<.20	<.20	<.20	<.05	--	--
AUG										
31...	--	<.05	<.05	<.05	<.05	.37	<.05	--	--	--

04234232 GREAT BROOK BELOW VICTOR, NY

LOCATION.--Lat 42°58'41", long 77°23'47", Ontario County, Hydrologic Unit 04140201, on right bank 0.1 mi upstream from State Highway 96, at east boundary line of village of Victor, and 0.5 mi upstream from mouth.
DRAINAGE AREA.--16.8 mi^2.
PERIOD OF RECORD.--November 1993 to current year.
REVISED RECORDS.--WDR NY-96-3: 1994-95 (M). WDR NY-98-3: 1994-97.
GAGE.--Water-stage recorder and double V-notch sharp-crested weir as control. Elevation of gage is 560 ft above sea level, from topographic map.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 837 ft^3/s, Jan. 8, 1998, gage height, 7.09 ft; minimum discharge 0.83 ft^3/s, Aug. 3, 1999, gage height, 1.22 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)
Apr. 8	2015	257	4.48	June 13	1900	391	5.21
May 13	0730	*535	*5.89				

Minimum discharge, 1.2 ft^3/s, Sep. 8, 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	2.3	e1.7	4.0	4.2	4.2	15	5.2	7.0	4.5	4.5	16	1.4
2	1.7	e3.0	3.4	4.9	3.9	14	6.6	12	5.1	3.7	6.9	1.5
3	1.7	6.2	4.6	12	3.8	14	11	8.0	4.1	6.3	9.4	1.6
4	8.4	e2.3	5.5	37	3.8	14	34	6.7	3.2	7.7	5.2	1.7
5	4.1	e1.8	4.9	20	3.7	15	19	6.7	3.5	7.0	2.8	1.6
6	e2.1	e1.8	4.6	9.2	3.6	11	13	5.7	13	8.0	2.5	1.4
7	e1.7	e1.7	3.8	6.8	3.6	9.1	10	5.2	7.6	3.4	8.8	1.3
8	e1.5	e1.7	3.4	5.7	3.2	8.6	88	4.5	5.2	2.4	4.2	1.2
9	e1.7	e1.7	3.2	6.1	3.9	11	58	4.1	4.6	2.4	2.8	1.5
10	e1.5	e2.5	4.9	7.7	4.9	17	23	9.8	4.2	2.8	2.3	1.6
11	e1.8	3.8	5.9	8.9	5.7	11	16	8.9	5.7	2.5	2.5	2.0
12	e1.5	e3.0	4.2	6.3	5.1	13	20	43	5.4	2.0	2.8	3.3
13	e2.1	e2.4	4.0	5.5	4.3	12	17	230	121	1.8	2.3	3.1
14	14	e1.9	4.9	5.4	4.9	20	13	32	41	1.7	2.1	1.8
15	7.6	e1.9	21	4.7	5.1	23	11	15	42	2.2	1.9	4.2
16	e1.8	e1.9	29	4.8	5.0	20	8.7	11	24	2.4	3.5	2.5
17	e1.7	e1.8	14	3.9	4.7	23	9.5	8.3	11	2.3	2.0	1.8
18	8.2	e1.8	8.9	3.5	4.6	16	11	13	8.9	2.0	1.7	1.5
19	e4.0	e2.2	6.6	3.5	5.4	20	8.8	16	8.1	2.0	1.8	1.4
20	e3.0	e2.5	7.1	4.0	4.8	23	20	16	6.0	2.1	1.7	1.3
21	e2.3	e1.8	8.7	e3.8	4.7	15	64	14	9.4	2.3	1.6	2.0
22	e2.2	e1.7	6.3	e3.6	5.7	12	39	11	7.8	2.7	1.4	1.5
23	e2.3	e1.7	5.0	e3.4	37	10	42	16	5.2	2.1	11	19
24	e3.0	e1.7	3.9	e3.3	117	9.0	22	40	4.0	2.0	4.6	9.1
25	e2.4	4.4	3.8	e3.2	108	8.6	15	24	3.8	2.1	2.5	4.4
26	e2.0	23	4.0	e3.2	53	7.4	11	12	3.6	2.0	1.9	3.1
27	1.8	15	4.0	e3.1	40	6.6	9.8	8.7	9.4	1.9	1.8	2.5
28	e1.8	7.4	3.9	e3.1	55	6.5	9.1	7.1	4.6	4.4	1.7	3.4
29	e1.7	4.7	3.8	e3.0	19	7.5	7.8	6.4	8.4	3.0	1.6	2.4
30	e1.7	5.0	4.4	e3.1	---	6.4	6.7	5.5	8.9	2.4	1.5	2.0
31	e1.7	---	4.3	e3.8	---	5.7	---	4.9	---	5.0	1.4	---
TOTAL	95.3	114.0	200.0	200.7	527.6	404.4	629.2	612.5	393.2	99.1	114.2	87.1
MEAN	3.07	3.80	6.45	6.47	18.2	13.0	21.0	19.8	13.1	3.20	3.68	2.90
MAX	14	23	29	37	117	23	88	230	121	8.0	16	19
MIN	1.5	1.7	3.2	3.0	3.2	5.7	5.2	4.1	3.2	1.7	1.4	1.2
CFSM	.18	.23	.38	.39	1.08	.78	1.25	1.18	.78	.19	.22	.17
IN.	.21	.25	.44	.44	1.17	.90	1.39	1.36	.87	.22	.25	.19

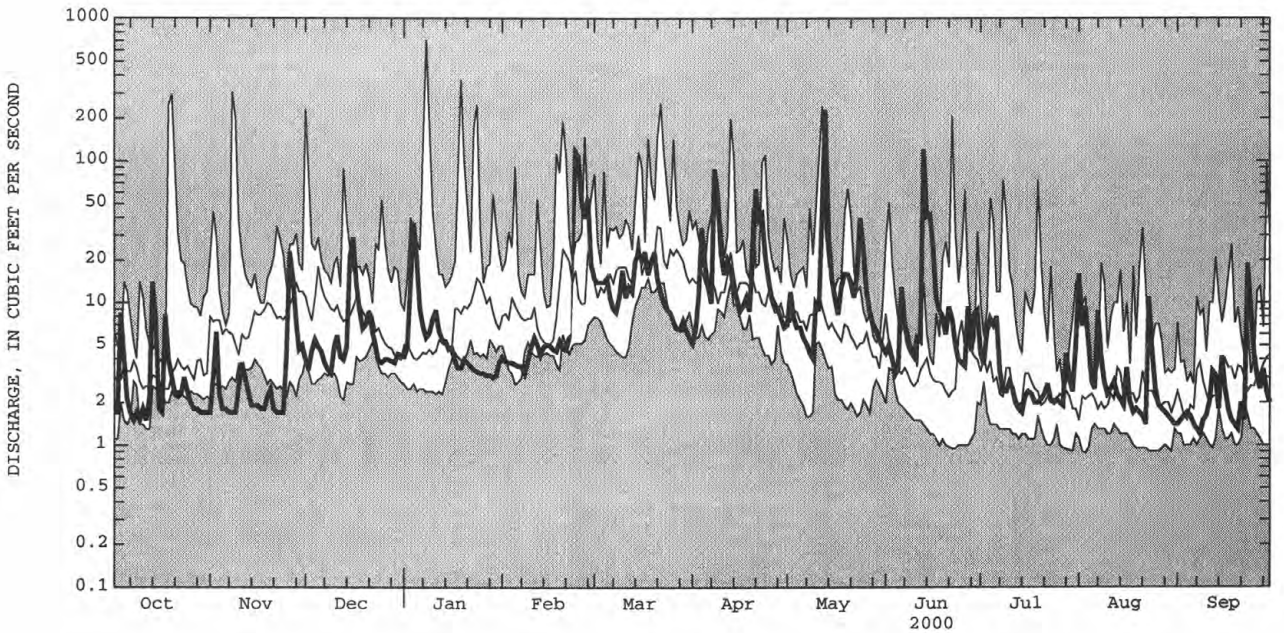
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	7.84	10.9	11.0	18.9	16.2	24.0	18.4	11.7	7.93	4.67	3.38	4.08
MAX	27.1	28.3	28.0	49.7	25.2	42.4	30.2	25.2	15.9	12.6	5.65	7.66
(WY)	1997	1997	1997	1998	1998	1994	1996	1996	1996	1998	1994	1997
MIN	2.74	3.31	3.42	6.47	8.70	13.0	7.19	2.80	1.53	1.60	1.20	1.22
(WY)	1999	1999	1999	2000	1995	2000	1995	1995	1995	1999	1995	1995

e Estimated

04234232 GREAT BROOK BELOW VICTOR, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1994 - 2000	
ANNUAL TOTAL	3091.57		3477.3			
ANNUAL MEAN	8.47		9.50		11.5	
HIGHEST ANNUAL MEAN					15.6	1998
LOWEST ANNUAL MEAN					6.01	1995
HIGHEST DAILY MEAN	249	Jan 24	230	May 13	702	Jan 8 1998
LOWEST DAILY MEAN	.88	Aug 3	1.2	Sep 8	.88	Aug 3 1999
ANNUAL SEVEN-DAY MINIMUM	1.0	Jul 28	1.5	Sep 2	.92	Aug 20 1995
ANNUAL RUNOFF (CFSM)	.50		.57		.68	
ANNUAL RUNOFF (INCHES)	6.85		7.70		9.26	
10 PERCENT EXCEEDS	17		19		21	
50 PERCENT EXCEEDS	3.5		4.6		5.3	
90 PERCENT EXCEEDS	1.4		1.7		1.7	



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

04234500 CANANDAIGUA LAKE AT CANANDAIGUA, NY

LOCATION.--Lat 42°53'30", long 77°17'22", Ontario County, Hydrologic Unit 04140201, at comfort station in middle of city pier at northern end of Canandaigua Lake, 1 mi southeast of Canandaigua.
DRAINAGE AREA.--184 mi^2.
PERIOD OF RECORD.--November 1939 to current year. December 1927 to November 1939, records for site on west side of E. T. Waldorf's boathouse collected by, and in files of, city of Canandaigua.
REVISED RECORDS.--WSP 2112: Drainage area. WRD NY 1971: 1970. WDR NY-86-3: 1985.
GAGE.--Water-stage recorder. Datum of gage is sea level. To convert elevations to adjustment of 1988, subtract 0.50 ft. June 26, 1946 to Sep. 30, 1975, at datum 681.17 ft higher, and prior to June 26, 1946, nonrecording gage at E. T. Waldorf's boathouse at same datum.
REMARKS.--Lake elevation regulated by one gate on West outlet, which is a 1.5 mi long canal, and by two gates on East outlet, which is the natural outlet. Sill elevations of West and East outflow structures are 684.37 ft and 684.94 ft, respectively. Water diverted for municipal supply for villages of Newark, Palmyra, and Gorham. Records of diversion in files of city of Canandaigua. Area of water surface, 16.6 mi^2.
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 692.11 ft, June 24, 1972; minimum daily, 685.62 ft, Jan. 30, 1942.
EXTREMES FOR CURRENT YEAR.--Maximum elevation, 689.26 ft, May 13; minimum elevation, 686.36 ft, Nov. 25.

ELEVATION (FEET ABOVE SEA LEVEL), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	687.06	686.73	686.58	686.63	686.85	688.17	688.44	688.54	688.56	688.49	688.32	688.29
2	687.02	686.76	686.58	686.63	686.83	688.19	688.44	688.55	688.58	688.48	688.47	688.26
3	686.97	686.76	686.57	686.63	686.82	688.23	688.47	688.56	688.55	688.46	688.48	688.25
4	687.00	686.72	686.57	686.74	686.81	688.26	688.56	688.58	688.55	688.44	688.48	688.22
5	687.01	686.70	686.59	686.76	686.83	688.28	688.62	688.59	688.52	688.42	688.47	688.19
6	686.98	686.66	686.57	686.82	686.81	688.30	688.61	688.59	688.57	688.41	688.48	688.18
7	686.95	686.63	686.56	686.80	686.80	688.32	688.56	688.60	688.59	688.37	688.55	688.16
8	687.00	686.62	686.56	686.82	686.79	688.34	688.57	688.61	688.61	688.36	688.61	688.14
9	686.92	686.62	686.55	686.81	686.79	688.36	688.66	688.61	688.61	688.39	688.62	688.14
10	686.91	686.61	686.57	686.83	686.77	688.38	688.69	688.67	688.62	688.35	688.60	688.16
11	686.88	686.59	686.53	686.86	686.78	688.39	688.66	688.72	688.63	688.33	688.56	688.17
12	686.88	686.62	686.54	686.85	686.78	688.43	688.63	688.87	688.62	688.32	688.55	688.18
13	686.92	686.59	686.53	686.87	686.78	688.46	688.59	689.12	688.66	688.30	688.56	688.15
14	686.96	686.58	686.56	686.89	686.81	688.49	688.56	689.18	688.76	688.29	688.55	688.14
15	686.99	686.54	686.67	686.92	686.83	688.50	688.51	689.13	688.82	688.30	688.54	688.13
16	686.99	686.51	686.68	686.89	686.84	688.52	688.50	689.06	688.92	688.30	688.53	688.11
17	686.94	686.51	686.69	686.86	686.83	688.56	688.53	688.99	688.89	688.31	688.49	688.11
18	686.93	686.51	686.69	686.88	686.84	688.60	688.57	688.97	688.82	688.29	688.47	688.06
19	686.93	686.51	686.71	686.87	686.86	688.65	688.54	688.95	688.76	688.27	688.44	688.05
20	686.92	686.50	686.76	686.88	686.87	688.66	688.52	688.95	688.69	688.25	688.40	688.04
21	686.89	686.47	686.71	686.90	686.87	688.67	688.63	688.93	688.69	688.25	688.39	688.03
22	686.93	686.49	686.71	686.88	686.87	688.66	688.69	688.88	688.64	688.23	688.38	687.98
23	686.86	686.47	686.70	686.88	686.90	688.62	688.79	688.84	688.55	688.20	688.39	688.13
24	686.83	686.47	686.69	686.86	687.03	688.59	688.82	688.82	688.54	688.19	688.39	688.23
25	686.82	686.44	686.70	686.85	687.30	688.60	688.79	688.78	688.55	688.18	688.38	688.27
26	686.81	686.54	686.69	686.87	687.58	688.60	688.74	688.72	688.52	688.16	688.37	688.27
27	686.76	686.59	686.66	686.87	687.78	688.62	688.70	688.65	688.53	688.14	688.34	688.28
28	686.78	686.59	686.68	686.86	687.96	688.54	688.64	688.59	688.52	688.14	688.33	688.24
29	686.74	686.57	686.66	686.84	688.08	688.51	688.58	688.58	688.51	688.16	688.34	688.25
30	686.75	686.58	686.63	686.84	---	688.46	688.53	688.59	688.50	688.15	688.31	688.26
31	686.74	---	686.62	686.85	---	688.45	---	688.60	---	688.18	688.31	---
MEAN	686.91	686.58	686.63	686.83	686.99	688.46	688.60	688.77	688.63	688.29	688.45	688.17
MAX	687.06	686.76	686.76	686.92	688.08	688.67	688.82	689.18	688.92	688.49	688.62	688.29
MIN	686.74	686.44	686.53	686.63	686.77	688.17	688.44	688.54	688.50	688.14	688.31	687.98

CAL YR 1999 MEAN 687.48 MAX 688.69 MIN 686.44
WTR YR 2000 MEAN 687.78 MAX 689.18 MIN 686.44

04235000 CANANDAIGUA OUTLET AT CHAPIN, NY

LOCATION.--Lat 42°55'05", long 77°13'59", Ontario County, Hydrologic Unit 04140201, on right bank at Chapin, 25 ft upstream from bridge on State Highway 488, and 4.1 mi downstream from Canandaigua Lake.
DRAINAGE AREA.--195 mi^2.
PERIOD OF RECORD.--November 1939 to current year. Prior to October 1964, published as "Canandaigua Lake Outlet."
REVISED RECORDS.--WSP 2112: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 671.44 ft above sea level. Prior to June 25, 1974, at site 0.1 mi upstream at datum 676.90 ft above sea level.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Flow regulated by Canandaigua Lake (see station 04234500), from which water is diverted for municipal supply by villages of Newark, Palmyra, and Gorham. Monthly runoff adjusted for change in contents in Canandaigua Lake from October 1945 to September 1966. Telephone gage-height telemeter at station. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,710 ft^3/s, June 24, 1972, gage height, 11.08 ft, present datum, at site then in use; minimum discharge, 4.4 ft^3/s, Sep. 24, 1991.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 875 ft^3/s, May 14, gage height, 5.64 ft; minimum discharge, 30 ft^3/s, Nov. 25, 26.

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	41	41	e40	40	48	104	122	134	131	82	54	50
2	41	42	e40	40	e47	106	121	132	131	81	52	58
3	41	46	e40	42	e46	107	128	126	128	82	51	58
4	47	44	e40	61	45	109	179	101	124	80	50	57
5	43	42	e40	55	e43	110	228	95	113	74	50	57
6	42	41	e40	50	e43	107	470	95	94	51	50	56
7	41	39	e40	48	45	105	465	96	87	49	76	56
8	41	38	e40	48	e45	108	525	98	83	48	121	55
9	40	39	e40	48	e45	109	572	99	78	49	217	56
10	39	40	e40	49	45	112	544	109	78	48	432	55
11	39	39	e40	51	46	112	614	107	76	48	354	56
12	40	39	e40	49	49	117	612	170	75	47	134	56
13	42	38	41	49	e45	120	598	628	120	47	124	58
14	54	38	42	e50	47	128	581	869	169	49	122	55
15	46	36	58	e50	48	125	402	848	174	52	120	57
16	45	34	68	51	49	127	133	822	278	49	124	56
17	45	33	55	e50	49	140	129	796	528	50	118	55
18	45	33	49	e50	49	147	180	789	676	50	107	55
19	45	33	48	e50	49	156	426	784	658	49	86	54
20	44	33	49	e50	50	162	447	782	632	49	85	54
21	43	31	48	e50	50	200	597	772	625	49	75	54
22	43	31	47	e50	51	469	674	756	619	49	52	53
23	42	31	47	e50	67	476	713	739	491	48	54	69
24	40	32	e45	e50	131	392	675	735	137	48	61	62
25	40	30	e45	e50	179	141	650	716	123	47	60	58
26	42	40	43	e50	143	132	632	688	108	47	55	57
27	43	47	42	e50	122	253	615	654	87	47	48	57
28	43	41	e45	e50	139	452	601	458	83	47	48	57
29	43	40	42	e50	108	450	582	137	83	46	48	57
30	42	41	41	e50	---	393	405	132	89	46	48	56
31	42	---	40	e49	---	129	---	132	---	46	48	---
TOTAL	1324	1132	1375	1530	1923	5898	13620	13599	6878	1654	3124	1694
MEAN	42.7	37.7	44.4	49.4	66.3	190	454	439	229	53.4	101	56.5
MAX	54	47	68	61	179	476	713	869	676	82	432	69
MIN	39	30	40	40	43	104	121	95	75	46	48	50

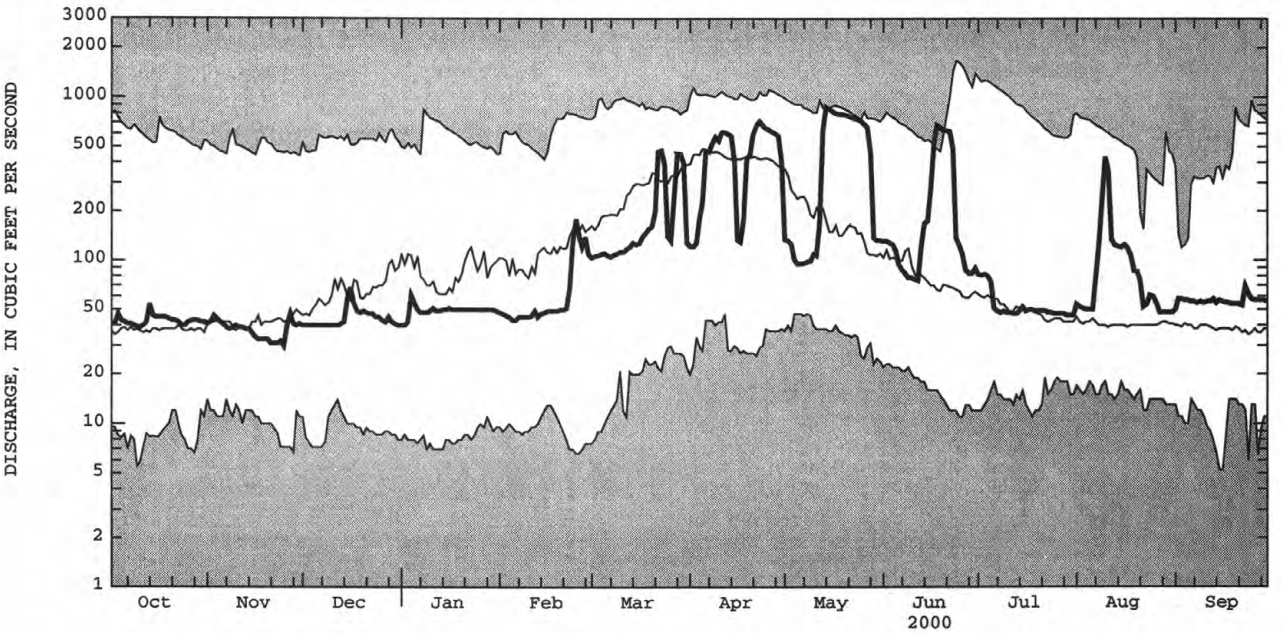
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	74.0	95.3	131	148	159	289	398	267	147	89.0	61.6	51.8
MAX	613	419	521	522	518	748	1036	725	566	852	483	363
(WY)	1978	1978	1973	1998	1976	1976	1993	1943	1972	1972	1992	1977
MIN	13.0	12.9	11.1	8.38	9.47	28.9	61.4	46.7	20.7	17.3	16.2	13.3
(WY)	1992	1964	1967	1967	1967	1967	1946	1995	1955	1963	1991	1991

e Estimated

04235000 CANANDAIGUA OUTLET AT CHAPIN, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1940 - 2000	
ANNUAL TOTAL	33109		53751			
ANNUAL MEAN	90.7		147		158	
HIGHEST ANNUAL MEAN					302	1993
LOWEST ANNUAL MEAN					57.7	1965
HIGHEST DAILY MEAN	478	Mar 22	869	May 14	1680	Jun 24 1972
LOWEST DAILY MEAN	30	Nov 25	30	Nov 25	5.2	Sep 15 1948
ANNUAL SEVEN-DAY MINIMUM	32	Nov 19	32	Nov 19	7.1	Feb 23 1967
10 PERCENT EXCEEDS	203		526		452	
50 PERCENT EXCEEDS	48		54		64	
90 PERCENT EXCEEDS	40		40		26	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.

SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04235396 OWASCO LAKE NEAR AUBURN, NY

LOCATION.--Lat 42°53'56", long 76°32'17", Cayuga County, Hydrologic Unit 04140201, on east side of breakwater at city of Auburn water intake and pumping station, 1.0 mi south of city limits of Auburn, and 1.8 mi upstream from State dam.
DRAINAGE AREA.--205 mi^2.
PERIOD OF RECORD.--October 1967 to current year. Records since 1912 collected by, and in files of, city of Auburn.
GAGE.--Water-stage recorder. Datum of gage is sea level. To convert elevations to adjustment of 1988, subtract 0.49 ft. Prior to May 1, 1982, nonrecording gage read once daily by employees of city of Auburn Water Division at same site and datum from reference mark at elevation 718.59 ft above sea level.
REMARKS.--Lake elevation regulated by gates on outlet at State dam. Area of water surface, 10.6 mi^2.
COOPERATION.--Records furnished by city of Auburn until April 30, 1982.
EXTREMES FOR PERIOD OF RECORD.--Maximum observed elevation, 716.88 ft, June 25, 1972; minimum observed, 708.45 ft, Mar. 22, 23, 1993.
EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum observed elevation since 1912, 716.91 ft, Mar. 23, 1936, Apr. 9, 1940.
EXTREMES FOR CURRENT YEAR.--Maximum elevation, 713.65 ft, Feb. 29; minimum elevation, 710.10 ft, Jan. 20.

ELEVATION (FEET ABOVE SEA LEVEL), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	711.32	711.66	712.43	710.30	710.41	713.53	712.51	712.62	712.87	712.59	712.70	712.44
2	711.30	711.73	712.35	710.24	710.42	713.34	712.47	712.67	712.85	712.57	712.73	712.43
3	711.31	711.72	712.27	710.25	710.41	713.15	712.52	712.67	712.79	712.55	712.73	712.42
4	711.34	711.75	712.30	710.45	710.38	712.98	712.93	712.72	712.73	712.55	712.72	712.38
5	711.37	711.71	712.27	710.53	710.36	712.83	713.29	712.81	712.68	712.53	712.69	712.35
6	711.35	711.75	712.28	710.42	710.34	712.70	713.23	712.85	712.74	712.50	712.66	712.33
7	711.35	711.74	712.28	710.48	710.32	712.63	713.10	712.88	712.73	712.49	712.74	712.29
8	711.30	711.74	712.23	710.42	710.28	712.74	712.99	712.91	712.75	712.48	712.76	712.26
9	711.32	711.73	712.16	710.38	710.25	712.74	713.18	712.94	712.78	712.47	712.76	712.27
10	711.33	711.75	712.12	710.39	710.23	712.77	713.17	713.00	712.81	712.49	712.77	712.25
11	711.34	711.79	712.07	710.42	710.23	712.75	713.06	713.10	712.85	712.48	712.76	712.25
12	711.32	711.79	712.00	710.48	710.23	712.80	712.94	713.08	713.03	712.48	712.75	712.26
13	711.38	711.81	711.91	710.48	710.20	712.82	712.85	713.42	713.04	712.46	712.74	712.20
14	711.48	711.83	711.84	710.44	710.26	712.78	712.84	713.60	713.06	712.46	712.73	712.12
15	711.52	711.83	711.82	710.41	710.31	712.77	712.89	713.45	713.00	712.55	712.72	712.09
16	711.52	711.84	711.78	710.33	710.33	712.76	712.92	713.24	712.89	712.67	712.70	712.07
17	711.59	711.85	711.75	710.28	710.32	712.76	712.92	713.02	712.77	712.70	712.67	712.04
18	711.64	711.82	711.67	710.22	710.29	712.73	712.95	712.89	712.66	712.71	712.64	712.02
19	711.64	711.87	711.57	710.17	710.29	712.68	712.97	712.98	712.58	712.71	712.60	711.97
20	711.64	711.89	711.51	710.12	710.29	712.64	712.88	712.94	712.58	712.71	712.57	711.93
21	711.65	711.90	711.39	710.16	710.25	712.65	712.87	712.86	712.61	712.70	712.55	711.94
22	711.73	711.89	711.31	710.19	710.25	712.64	713.02	712.79	712.76	712.72	712.51	711.89
23	711.67	711.94	711.21	710.21	710.24	712.61	713.03	712.78	712.71	712.71	712.54	711.85
24	711.68	711.93	711.10	710.25	710.39	712.57	712.95	712.92	712.67	712.70	712.56	711.79
25	711.69	711.92	710.97	710.25	710.83	712.50	712.83	713.01	712.63	712.69	712.54	711.70
26	711.67	711.98	710.93	710.30	711.39	712.49	712.82	713.01	712.60	712.68	712.52	711.58
27	711.69	712.34	710.76	710.34	712.12	712.42	712.80	712.93	712.61	712.68	712.51	711.47
28	711.67	712.45	710.69	710.36	713.14	712.48	712.78	712.83	712.63	712.67	712.50	711.39
29	711.68	712.47	710.58	710.36	713.62	712.52	712.74	712.86	712.62	712.66	712.47	711.32
30	711.64	712.48	710.51	710.37	---	712.54	712.69	712.90	712.61	712.66	712.46	711.24
31	711.66	---	710.43	710.40	---	712.55	---	712.91	---	712.66	712.45	---
MEAN	711.51	711.90	711.63	710.34	710.63	712.74	712.90	712.95	712.75	712.60	712.64	712.02
MAX	711.73	712.48	712.43	710.53	713.62	713.53	713.29	713.60	713.06	712.72	712.77	712.44
MIN	711.30	711.66	710.43	710.12	710.20	712.42	712.47	712.62	712.58	712.46	712.45	711.24

CAL YR 1999 MEAN 711.62 MAX 713.00 MIN 709.34
WTR YR 2000 MEAN 712.06 MAX 713.62 MIN 710.12

04235440 OWASCO OUTLET AT GENESEE STREET, AUBURN, NY

LOCATION.--Lat 42°55'56", long 76°33'55", Cayuga County, Hydrologic Unit 04140201, on left bank in city of Auburn combined sewer overflow building, approximately 200 ft upstream from Genesee Street, and 2.5 mi downstream from State Dam at outlet of Owasco Lake.
DRAINAGE AREA.--207 mi^2.
PERIOD OF RECORD.--October 1998 to current year. Records for November 1912 to September 1966, published as "Owasco Lake Outlet" and October 1966 to September 1998, published as "Owasco Outlet near Auburn" (station 04235500) at site 2.6 mi downstream, are not equivalent because of regulation between sites.
GAGE.--Water-stage recorder. Elevation of gage is 670 ft above sea level, from topographic map.
REMARKS.--No estimated daily discharges. Records good. Diurnal fluctuation caused by mills in Auburn; regulation at State Dam at outlet of lake. Telephone gage-height telemeter at station. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,570 ft^3/s, Feb. 29, 2000, gage height, 4.98 ft; minimum discharge, no flow for part of the day Aug.18, 2000 (result of regulation).
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,570 ft^3/s, Feb. 29, gage height, 4.98 ft; minimum discharge, no flow for part of the day Aug. 18 (result of regulation).

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

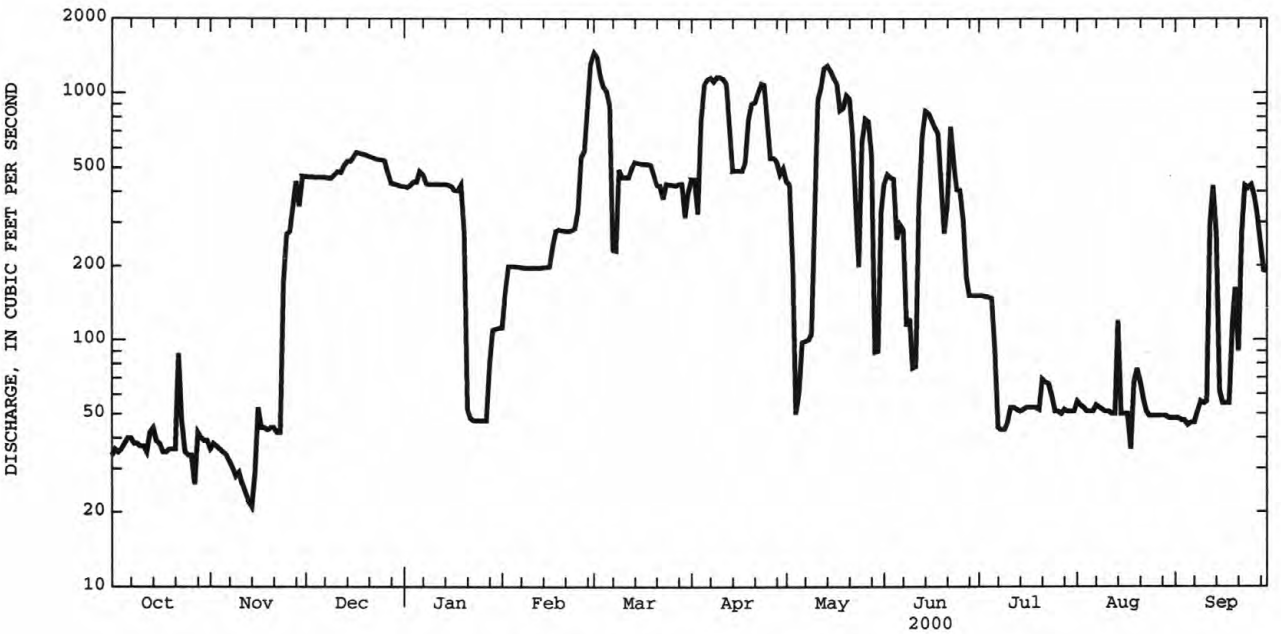
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	36	459	420	112	1460	449	441	432	151	56	48
2	36	38	458	416	155	1400	447	426	470	151	54	48
3	35	37	458	425	199	1180	327	196	457	150	53	47
4	36	36	457	438	199	1060	781	50	450	149	51	47
5	38	35	457	437	199	1020	1080	61	258	147	51	45
6	40	34	456	484	198	891	1130	98	294	90	51	46
7	40	32	456	469	197	232	1150	99	281	44	54	46
8	38	30	454	431	196	230	1110	100	114	43	53	51
9	38	28	453	428	196	490	1160	106	122	43	52	56
10	37	29	466	428	196	456	1160	372	77	46	51	55
11	37	26	480	429	196	456	1140	941	78	53	51	56
12	35	24	477	428	196	457	1090	1060	358	53	50	291
13	42	22	509	427	196	498	740	1260	659	52	50	421
14	44	21	529	427	197	525	485	1290	844	51	119	270
15	39	29	529	426	197	522	486	1230	826	52	50	62
16	38	53	549	421	198	518	486	1150	773	53	50	55
17	35	44	576	404	241	517	485	1090	721	53	50	55
18	35	44	572	403	278	516	528	850	682	53	36	55
19	36	43	567	426	281	513	777	873	425	53	67	115
20	36	44	563	272	279	467	910	976	272	52	76	162
21	36	44	555	52	278	425	917	941	354	69	67	90
22	88	42	549	48	277	424	1010	682	731	67	57	270
23	47	42	544	47	279	376	1090	383	523	66	51	423
24	35	172	539	47	284	430	1080	199	408	59	49	413
25	34	270	536	47	335	428	750	633	405	51	49	425
26	34	277	532	47	553	426	547	785	309	51	49	383
27	26	354	473	47	585	424	546	767	180	50	49	315
28	42	440	431	79	860	430	528	565	151	52	49	238
29	40	350	429	110	1320	430	471	89	151	51	49	191
30	39	461	426	111	---	316	496	90	151	51	48	190
31	39	---	421	112	---	402	---	331	---	51	48	---
TOTAL	1209	3137	15360	9186	8877	17919	23356	18134	11956	2157	1690	4969
MEAN	39.0	105	495	296	306	578	779	585	399	69.6	54.5	166
MAX	88	461	576	484	1320	1460	1160	1290	844	151	119	425
MIN	26	21	421	47	112	230	327	50	77	43	36	45

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

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	61.2	113	280	265	320	594	495	343	233	57.5	33.1	68.9
MAX	83.5	121	495	296	335	610	779	585	399	69.6	54.5	166
(WY)	1999	1999	2000	2000	1999	1999	2000	2000	2000	2000	2000	2000
MIN	39.0	105	64.0	234	306	578	211	102	67.4	45.5	.95	.91
(WY)	2000	2000	1999	1999	2000	2000	1999	1999	1999	1999	1998	1998

04235440 OWASCO OUTLET AT GENESEE STREET, AUBURN, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1998 - 2000	
ANNUAL TOTAL	70759		117950			
ANNUAL MEAN	194		322		242	
HIGHEST ANNUAL MEAN					322	2000
LOWEST ANNUAL MEAN					162	1999
HIGHEST DAILY MEAN	1100	Mar 20	1460	Mar 1	1460	Mar 1 2000
LOWEST DAILY MEAN	11	Mar 31	21	Nov 14	.84	Aug 7 1998
ANNUAL SEVEN-DAY MINIMUM	23	Mar 30	26	Nov 9	.87	Aug 2 1998
10 PERCENT EXCEEDS	565		778		585	
50 PERCENT EXCEEDS	51		231		66	
90 PERCENT EXCEEDS	35		39		21	



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

04235600 SENECA RIVER NEAR PORT BYRON, NY

LOCATION.--Lat 43°04'43", long 76°38'45", Cayuga County, Hydrologic Unit 04140201, on right bank , 50 ft upstream of Rt. 38 bridge, 3.0 mi north of Port Byron, and 10.1 mi upstream from Cross Lake.
DRAINAGE AREA.-- 2,815 mi^2.
PERIOD OF RECORD.--October 1996 to current year.
GAGE.--Acoustic velocity meter, water-stage recorder, and crest-stage gage. Elevation of gage is 370 ft above sea level, from topographic map.
REMARKS.--Records good except those for estimated daily discharges, which are poor. A large amount of storage and some artificial regulation is afforded by many large lakes and the Erie (Barge) Canal system in the river basin. Seneca River basin receives water from Erie (Barge) Canal through lock 32 near Pittsford. During part of the year, entire flow from 45.5 mi^2 of Mud Creek drainage area may be diverted from Chemung River basin into Keuka Lake in Oswego River basin. Telephone and satellite gage-height telemeters at station. Several measurements of water temperature were made during the year.
COOPERATION.--Records of gate openings, lockages, and elevations of water surface in Erie (Barge) Canal above and below Lock 24 & 25, furnished by New York State Thruway Authority, Office of Canals.
EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 13,600 ft^3/s, Jan. 11, 1998; minimum daily discharge, 300 ft^3/s, Jan. 11, 12, 1999. Maximum and minimun instantaneous discharges not determined.
EXTREMES FOR CURRENT PERIOD.--Water year 1997: Maximum daily discharge, 13,100 ft^3/s, Nov. 11; minimum daily discharge, 541 ft^3/s, Apr. 25. Maximum and minimun instantaneous discharges not determined.
Water year 1998: Maximum daily discharge, 13,600 ft^3/s, Jan. 11; minimum daily discharge, 400 ft^3/s, Oct. 23, 24. Maximum and minimun instantaneous discharges not determined.
Water year 1999: Maximum daily discharge, 7,950 ft^3/s, Mar. 20; minimum daily discharge, 300 ft^3/s, Jan. 11, 12. Maximum and minimun instantaneous discharges not determined.
Water year 2000: Maximum daily discharge, 10,200 ft^3/s, May 15, 16; minimum daily discharge, 517 ft^3/s, Nov. 11. Maximum and minimun instantaneous discharges not determined.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2170	5110	8180	7390	1110	6370	4100	1490	1910	1520	e650	e600
2	2130	5340	9170	7280	1040	6080	4720	1570	2750	1610	e600	e550
3	1940	5300	10800	7250	1060	5950	4840	1530	3710	1540	e650	e600
4	1900	5370	11100	7610	1180	5870	4650	1410	3900	e1500	e650	e700
5	1910	5540	10800	7800	1580	5660	4350	1560	3310	e1450	e620	e600
6	1830	e5590	10300	7700	2570	5980	4110	e1480	3830	e1200	e600	e600
7	1740	5730	9890	7610	2340	6710	3490	1280	4010	e900	e600	e600
8	1700	6370	9330	7390	1850	6990	3150	1210	3930	e850	e650	e650
9	1610	9520	9010	7220	1700	6800	2470	1150	3620	e820	e650	e650
10	1440	12300	8880	7050	1610	6710	1960	871	3550	e780	e600	e700
11	1520	13100	8690	6970	1440	6520	1840	985	3400	e780	e550	e750
12	1590	e12800	8680	6830	1200	6620	1530	1140	2940	e780	e600	e700
13	1550	e12400	8760	6430	1160	6510	1700	1030	e2300	e780	700	e800
14	1520	e12000	9250	6150	1050	6660	2000	1020	e2250	e780	846	e700
15	1320	e11200	10100	6240	931	6680	1950	1010	e2200	e800	e700	e750
16	1160	e10400	10100	6290	927	6580	1840	1240	e1950	e750	e800	e700
17	1110	e9560	9620	5800	1140	6550	1500	1150	1770	e800	e600	e650
18	1190	e9090	9200	4400	1330	6300	1180	1140	1480	e780	e600	e650
19	1510	e8580	8780	4850	1980	5960	1070	1400	1280	e820	e650	e650
20	3250	e8060	8400	5060	3250	5160	1090	2580	e1150	e850	e670	e650
21	5420	7750	8240	5170	3430	4090	1110	3860	e1000	e900	633	e650
22	6100	7630	8020	5200	3820	3380	1060	3870	e1050	e850	790	e800
23	5920	7460	e7770	5420	3550	3270	907	3830	e900	e800	e700	e800
24	5590	7320	7840	5050	3010	3010	e757	3720	e900	806	e680	e900
25	5460	6980	7930	4910	2470	2810	541	3720	e1000	713	e600	e850
26	5200	6890	7910	4610	2760	3520	686	3590	e1300	e650	676	e850
27	4980	7370	7790	4220	4300	4380	850	3200	e1500	e700	e650	e900
28	5070	7540	7850	3700	5960	3990	1140	2350	e1600	e700	e600	e850
29	5000	7500	7690	3070	---	3600	1550	1980	e1600	e700	e600	1040
30	5250	7620	7630	1870	---	3470	1640	1880	e1500	725	597	1380
31	5330	---	7460	1170	---	3510	---	1840	---	784	586	---
TOTAL	93410	247420	275170	177710	59748	165690	63781	60086	67590	28418	20098	22270
MEAN	3013	8247	8876	5733	2134	5345	2126	1938	2253	917	648	742
MAX	6100	13100	11100	7800	5960	6990	4840	3870	4010	1610	846	1380
MIN	1110	5110	7460	1170	927	2810	541	871	900	650	550	550

e Estimated

04235600 SENECA RIVER NEAR PORT BYRON, NY--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1660	510	4160	3550	e6830	e8700	e6930	3250	1460	4630	e700	e630
2	e1450	e550	4240	3740	6780	e9000	6420	3240	1750	4450	e700	e650
3	e1300	1200	4390	3920	6600	e9200	6070	3450	1720	3690	e680	e660
4	e1300	1630	4460	e4900	6960	e9000	6190	3350	1690	3270	e650	e620
5	e1300	2000	4380	5920	6870	e8800	5690	3240	1490	4120	e680	e620
6	1470	2140	4360	6300	6860	e9000	5360	3290	1280	4430	e700	e640
7	1540	2380	4330	6770	6820	8990	4920	3370	1220	3820	e700	e620
8	1440	2340	4370	8180	6710	8820	4620	3390	1280	3770	e680	e700
9	e1400	2310	4380	10700	6590	8940	4360	3410	e1070	4260	e680	e800
10	e1400	2790	4340	12900	6530	9220	4570	3230	1140	4670	e700	e800
11	1270	3490	4430	13600	6630	9150	5060	4120	1380	4200	e850	e700
12	e1100	3480	4360	13500	6810	8860	5180	5620	1400	e3400	e700	e600
13	e900	3600	4330	12500	7080	8550	4980	6580	1410	2980	e680	e550
14	e880	3780	4250	e10500	7380	8160	4860	6300	1400	e2750	e650	e550
15	912	3720	4270	e9500	7170	7890	4650	6290	1650	e2700	e620	e550
16	758	3690	e4220	e8000	6910	7910	4170	5560	1900	2520	e600	e550
17	e700	3560	4220	e7400	6680	7830	2990	5490	2580	e2300	e650	e550
18	e600	3530	4290	e7200	7550	7780	2520	5220	3510	e2000	e700	e550
19	538	3640	4300	e7000	e8600	7820	2530	4980	3530	1790	e800	e520
20	e500	3620	4300	e6900	e8700	7980	2530	4700	3220	e1550	e950	e550
21	e450	3730	4330	e6700	e9500	8350	3690	4610	3010	e1550	e800	e580
22	e420	4100	4180	e6630	e9400	8370	4710	4410	2600	1610	e700	e550
23	e400	4080	3700	e6750	e9000	8270	4590	4230	2430	e1700	e650	e620
24	e400	4190	3690	e6810	e8800	8310	4420	4170	2450	e1650	e650	e680
25	474	4280	4230	e6910	e8600	8230	4260	3890	2690	e1600	e700	e650
26	e450	4250	4500	6860	e8750	8380	3960	3190	2960	e1550	e850	e600
27	548	4110	4490	e6920	e8700	8880	3760	2140	3620	1400	e800	e550
28	550	4210	4350	6960	e8700	8880	3700	1720	3350	e1000	e750	e550
29	581	4250	4150	e6800	---	8550	3570	1540	4400	e800	e700	e550
30	512	4190	4010	e6780	---	7830	3440	1370	4690	e750	e650	e600
31	504	---	3760	6710	---	e7320	---	1280	---	e750	e630	---
TOTAL	27707	95350	131770	237810	212510	262970	134700	120630	68280	81660	21950	18340
MEAN	894	3178	4251	7671	7590	8483	4490	3891	2276	2634	708	611
MAX	1660	4280	4500	13600	9500	9220	6930	6580	4690	4670	950	800
MIN	400	510	3690	3550	6530	7320	2520	1280	1070	750	600	520

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	662	e1030	2720	e420	2430	1920	3870	1020	1760	e800	e750	e800
2	863	e1010	2740	e410	2650	1850	3550	e905	e1750	e850	e750	e750
3	1260	e1010	2770	e410	3410	2120	3310	e980	e1600	e800	e750	e750
4	1360	e950	2750	e400	4050	3890	3310	e1120	e1500	1230	e680	e750
5	1290	767	2660	e390	4970	4970	3340	e1120	e1300	1170	e800	e720
6	1270	e710	2750	e390	4790	5240	3260	e1200	e1150	e900	e800	e720
7	1320	738	2630	e330	4540	5210	2990	e1350	e1050	e750	e820	e720
8	1380	749	2080	e320	4570	5340	2300	e1350	e1070	e890	e850	e700
9	1710	688	1960	e320	4790	6250	1910	1380	e1130	883	e750	e700
10	2180	785	e1830	e310	4900	6900	1680	e1300	e1100	e800	e800	e700
11	2340	847	e1450	e300	4980	6850	1560	e1150	e950	e1030	e750	e700
12	2180	868	e1090	e300	4980	6340	1600	e1100	e900	e800	e750	e750
13	2120	978	e990	e310	5060	6370	1600	e1150	e850	e800	e750	e750
14	2130	e1330	e740	e310	4970	6270	1810	e1010	e800	e800	e720	e750
15	2060	1380	e550	e320	4800	6220	1600	e1000	e840	e750	e750	e700
16	1740	1380	483	e320	4640	6440	1520	e950	e840	e750	e700	754
17	1550	1640	485	e320	4770	6300	1530	e950	e850	e800	e750	e1100
18	1590	e1690	490	e330	4660	6590	1520	e1000	e810	e750	e700	1160
19	1290	e1650	486	e330	4760	7070	1740	e1050	e800	e750	e700	e1000
20	1110	1770	496	e320	4810	7950	2370	e1090	e800	e800	e700	e800
21	1020	1940	e500	e400	4730	7780	1820	e1030	e800	e750	e750	e780
22	893	2000	e450	e450	4190	7770	1600	e1120	e750	e800	e750	e900
23	928	e2150	e450	e600	3480	7900	1910	1110	e750	e800	748	e750
24	1000	2340	e420	e3000	3390	e7740	2310	e1120	e750	e800	e750	e750
25	1030	2480	e400	e6800	3070	e7130	2980	e1250	e880	e700	e750	e700
26	1000	2430	e400	e6600	2410	6690	e2620	e1500	e740	e800	e700	e650
27	1040	2420	e400	5640	2000	6270	2060	e1800	e785	e800	e650	e700
28	979	2440	e400	4610	2040	5740	1830	e1750	e910	e800	e650	e720
29	928	2370	e390	3870	---	5120	1830	1780	e890	e750	e700	e800
30	945	2540	e390	3250	---	4300	1390	1850	e840	e650	e750	e1050
31	e1040	---	e410	2780	---	4150	---	1780	---	e750	e800	---
TOTAL	42208	45080	36760	44860	114840	180680	66720	38265	29945	25503	23018	23574
MEAN	1362	1503	1186	1447	4101	5828	2224	1234	998	823	743	786
MAX	2340	2540	2770	6800	5060	7950	3870	1850	1760	1230	850	1160
MIN	662	688	390	300	2000	1850	1390	905	740	650	650	650

e Estimated

04235600 SENECA RIVER NEAR PORT BYRON, 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	1200	768	3360	1560	e790	9200	1720	6730	6230	4770	1370	937
2	1250	e673	3280	1600	e780	8250	1720	6480	6150	4460	2940	e850
3	1200	e697	3310	1500	e780	e7290	1700	6370	5940	3730	3780	e800
4	1220	730	3360	1680	e770	6790	2740	5630	5890	2950	3430	802
5	1550	754	3410	2260	e760	6700	4580	4040	5650	2210	3000	839
6	1760	686	3380	2600	e750	6670	5200	2120	5360	e1500	2700	930
7	1840	653	3340	2400	e740	6370	4970	1790	4780	e1300	e2700	1040
8	2010	670	3260	2290	e730	6000	4680	1630	3890	e1200	3030	965
9	2020	580	3220	2260	e720	6190	5670	1840	3020	e1200	3220	866
10	2040	547	3260	2280	e900	6060	7090	2170	2160	e1200	3200	e800
11	2020	517	3120	2480	e1000	6080	8050	3540	1550	e1250	3350	854
12	1990	662	3170	2850	e1000	6060	8010	e4650	1680	e1200	3300	1010
13	2020	664	3200	2960	e950	6150	7630	e6760	2540	e1180	e3200	1230
14	2240	577	3170	2770	e1200	6140	6990	9330	4830	e1180	3030	1260
15	2350	560	3370	2760	e1400	6160	6790	e10200	5350	1290	2630	e1000
16	2340	769	3550	2550	e1600	6180	6470	10200	5040	1520	2560	e1200
17	2230	906	3960	2330	e1900	6120	6200	9410	5040	1630	e2250	e1200
18	2000	1020	3950	2150	2260	6160	6190	8510	4950	e1500	e2250	e1040
19	1760	1260	3830	1850	2160	6260	6540	7960	4690	e1480	e2150	e980
20	1620	1360	3750	1750	2140	6210	6990	e8030	4700	e1520	2150	e1000
21	1670	1450	3480	1500	2170	6110	7450	7970	4970	1610	e1500	e980
22	1510	1910	3460	1520	2310	6050	8430	7720	5750	e1650	e1000	1160
23	1180	1900	3450	1520	2800	5830	9020	7270	5790	e1600	e1000	1390
24	1040	2040	3440	1430	3690	5410	9470	6810	5270	e1300	1220	1690
25	844	2170	3380	1280	5170	5070	9290	7140	5110	e1100	1200	1980
26	704	2300	3400	e950	7210	4660	8490	7460	5100	e1150	e1000	1860
27	674	2790	2710	e1000	8390	3700	7830	7500	5000	1210	e850	1580
28	755	3010	1750	e1200	8890	2510	7280	7120	5020	e1000	e800	1300
29	813	2890	1380	e820	9470	2200	7070	6470	5010	e1150	915	e1100
30	796	3100	1250	e850	---	1750	6910	5800	4880	e1200	907	e1150
31	732	---	1470	e800	---	1660	---	5850	---	e1200	987	---
TOTAL	47378	38613	97420	57750	73430	175990	191170	194500	141340	52440	67619	33793
MEAN	1528	1287	3143	1863	2532	5677	6372	6274	4711	1692	2181	1126
MAX	2350	3100	3960	2960	9470	9200	9470	10200	6230	4770	3780	1980
MIN	674	517	1250	800	720	1660	1700	1630	1550	1000	800	800

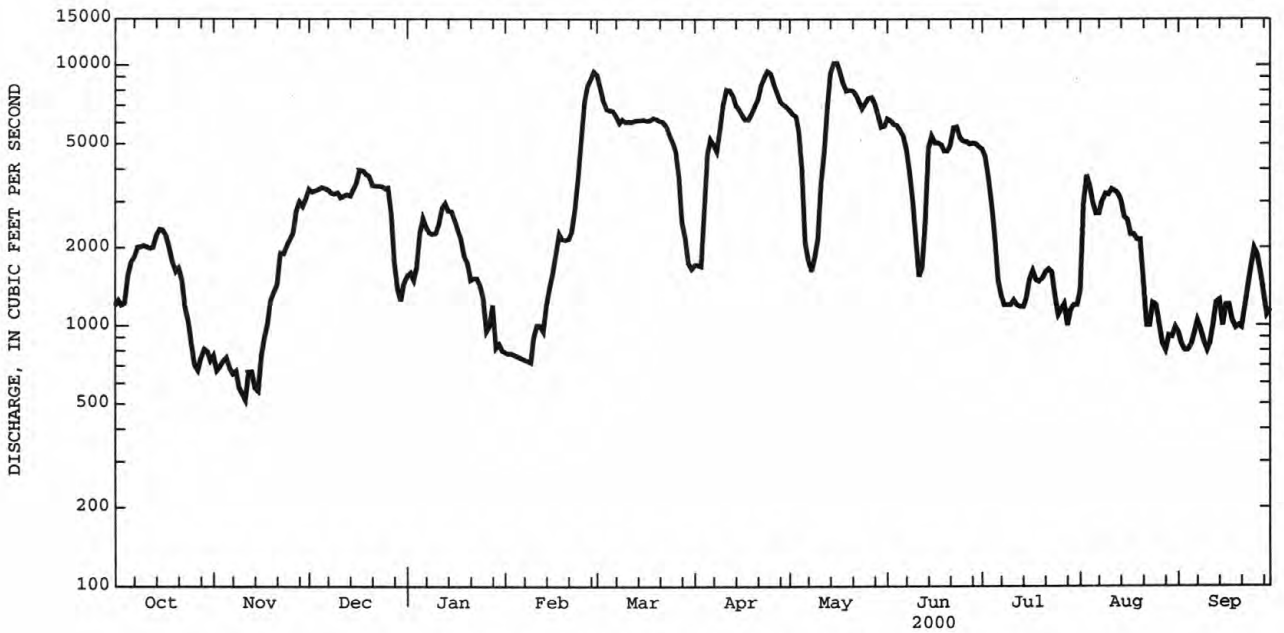
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1699	3554	4364	4178	4075	6333	3803	3335	2560	1516	1070	816
MAX	3013	8247	8876	7671	7590	8483	6372	6274	4711	2634	2181	1126
(WY)	1997	1997	1997	1998	1998	1998	2000	2000	2000	1998	2000	2000
MIN	894	1287	1186	1447	2134	5345	2126	1234	998	823	648	611
(WY)	1998	2000	1999	1999	1997	1997	1997	1999	1999	1999	1997	1998

e Estimated

04235600 SENECA RIVER NEAR PORT BYRON, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1996 - 2000	
ANNUAL TOTAL	730816		1171443			
ANNUAL MEAN	2002		3201		3106	
HIGHEST ANNUAL MEAN					3873	1998
LOWEST ANNUAL MEAN					1840	1999
HIGHEST DAILY MEAN	7950	Mar 20	10200	May 15	13600	Jan 11 1998
LOWEST DAILY MEAN	300	Jan 11	517	Nov 11	300	Jan 11 1999
ANNUAL SEVEN-DAY MINIMUM	310	Jan 8	587	Nov 9	310	Jan 8 1999
10 PERCENT EXCEEDS	4790		6930		7240	
50 PERCENT EXCEEDS	1160		2260		1940	
90 PERCENT EXCEEDS	672		818		680	



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

04237411 SENECA RIVER, MOUTH OF STATE DITCH, NEAR JORDAN, NY

LOCATION.--Lat 43°06'54", long 76°26'21", Onondaga County, Hydrologic Unit 04140201, on right bank 700 ft. downstream from Bridge on Plainville Road, 1.2 mi north of Jack's Reef.
DRAINAGE AREA.-- 3,093 mi^2.
PERIOD OF RECORD.--April 1996 to current year.
GAGE.--Water-stage recorder. Elevation of gage is 380 ft above sea level, from topographic map.
REMARKS.--A large amount of natural storage and some artificial regulation is afforded by many large lakes and the Erie (Barge) Canal system in the river basin. Seneca River basin receives water from Erie (Barge) Canal through Lock 32 near Pittsford. During part of year, entire flow from 45.5 mi^2 of Mud Creek drainage area may be diverted from Chemung River basin into Keuka Lake in Oswego River basin.
EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 6.31 ft, Jan. 12, 1998; minimum gage height, 0.20 ft, Jan. 14, 1999.
EXTREMES FOR CURRENT YEAR.-- Maximum gage height, 4.86 ft, May 16; minimum gage height, 0.76 ft, Oct. 25.

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	1.17	.97	1.41	1.43	.96	4.52	1.26	3.42	3.04	2.25	1.21	1.35
2	1.15	.94	1.50	1.41	.99	4.31	1.41	3.33	3.10	2.14	1.53	1.36
3	1.19	.99	1.55	1.22	1.01	3.93	1.41	3.24	3.15	1.82	1.62	1.35
4	1.40	.99	1.66	1.39	1.08	3.54	1.49	3.06	3.06	1.75	1.54	1.36
5	1.36	.96	1.73	1.56	1.14	3.32	1.87	2.66	2.96	1.45	1.49	1.34
6	1.23	.94	1.66	1.44	1.19	3.19	2.35	1.96	2.91	1.21	1.35	1.32
7	1.15	.88	1.56	1.39	1.23	3.10	2.45	1.22	2.76	1.17	1.48	1.31
8	1.30	.82	1.47	1.34	1.26	2.93	2.39	1.10	2.35	1.14	1.54	1.35
9	1.31	.91	1.45	1.16	1.31	2.86	2.73	1.30	1.92	1.10	1.72	1.38
10	1.31	1.00	1.45	1.22	1.36	2.83	3.12	1.34	1.53	1.10	1.75	1.37
11	1.34	1.11	1.52	1.39	1.35	2.78	3.57	1.42	1.27	1.07	1.68	1.32
12	1.28	1.18	1.44	1.47	1.19	2.78	3.80	1.55	1.37	1.05	1.65	1.18
13	1.24	1.03	1.41	1.53	1.30	2.77	3.81	2.71	1.54	1.05	1.62	1.29
14	1.44	.99	1.45	1.49	1.42	2.77	3.64	3.98	2.18	1.08	1.53	1.32
15	1.59	.98	1.56	1.39	1.46	2.77	3.48	4.55	2.63	1.24	1.34	1.26
16	1.51	1.09	1.64	1.34	1.42	2.79	3.34	4.81	2.66	1.41	1.30	1.20
17	1.40	1.10	1.70	1.40	1.20	2.83	3.19	4.81	2.59	1.37	1.14	1.16
18	1.23	1.07	1.68	1.52	1.25	2.80	3.12	4.64	2.48	1.29	1.22	1.08
19	1.08	1.10	1.61	1.24	1.37	2.79	3.14	4.43	2.32	1.35	1.36	1.04
20	1.31	1.26	1.56	1.35	1.42	2.82	3.27	4.26	2.17	1.39	1.40	1.21
21	1.28	1.30	1.52	1.34	1.41	2.79	3.49	4.18	2.27	1.46	1.49	1.39
22	1.16	1.37	1.39	1.26	1.41	2.76	3.87	4.09	2.66	1.56	1.44	1.27
23	1.18	1.50	1.45	1.17	1.50	2.75	4.20	3.95	2.95	1.58	1.33	1.32
24	1.11	1.25	1.49	1.08	1.62	2.63	4.39	3.77	2.87	1.48	1.06	1.46
25	.84	1.15	1.50	.96	2.18	2.45	4.45	3.69	2.69	1.29	.99	1.45
26	.97	1.40	1.52	1.21	3.08	2.25	4.33	3.76	2.60	1.11	.93	1.39
27	1.14	1.73	1.50	1.33	3.89	1.87	4.12	3.81	2.52	1.07	1.05	1.21
28	1.23	1.69	1.19	1.01	4.43	1.39	3.89	3.77	2.47	1.29	1.15	1.07
29	1.07	1.55	.90	.91	4.59	1.27	3.68	3.60	2.42	1.43	1.22	1.22
30	1.03	1.38	1.05	.92	---	1.13	3.52	3.33	2.35	1.35	1.29	1.21
31	1.01	---	1.31	.95	---	1.05	---	3.06	---	1.24	1.34	---
MEAN	1.23	1.15	1.48	1.28	1.69	2.73	3.16	3.25	2.46	1.36	1.38	1.28
MAX	1.59	1.73	1.73	1.56	4.59	4.52	4.45	4.81	3.15	2.25	1.75	1.46
MIN	.84	.82	.90	.91	.96	1.05	1.26	1.10	1.27	1.05	.93	1.04

CAL YR 1999 MEAN 1.39 MAX 3.89 MIN .21
WTR YR 2000 MEAN 1.87 MAX 4.81 MIN .82

04237500 SENECA RIVER AT BALDWINSVILLE, NY

LOCATION.--Lat 43°09'25", long 76°19'55", Onondaga County, Hydrologic Unit 04140201, on left bank 200 ft downstream from bridge on State Highways 31 and 48 in Baldwinsville, and 400 ft downstream from navigation dam at Lock 24 of New York State Erie (Barge) Canal.
DRAINAGE AREA.--3,138 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 1949 to current year in reports of Geological Survey. November 1898 to December 1908, prior to construction of Erie (Barge) Canal, not equivalent to later records at same site because of extensive development of Erie (Barge) Canal system. January 1909 to September 1925 (gage heights only) in reports of State Engineer and Surveyor.
REVISED RECORDS.--WDR NY-78-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 361.38 ft above sea level (362.60 ft Erie (Barge) Canal Datum).Prior to Dec. 31, 1908, nonrecording gage at same site at different datum. Auxiliary water-stage recorder 1,500 ft downstream from base gage at same datum. Telephone gage-height telemeter at base and auxiliary gages.
REMARKS.--Records good. Discharge from 1898 to 1908 determined on basis of head on dam, flow through 10 mills nearby, lockages at Oswego Canal lock, estimated leakage of dam, wheel gates, flumes, and penstocks; not adjusted for inflow from Lake Erie through Erie (Barge) Canal. Discharge, since November 1949, computed by using fall as determined by auxiliary water-stage recorder. Published discharge represents the total flow at Baldwinsville and includes flow in Erie (Barge) Canal. A large amount of natural storage and some artificial regulation is afforded by many large lakes and the Erie (Barge) Canal system in the river basin. Large diurnal fluctuations at low and medium flows caused by powerplants upstream from station. Seneca River basin receives water from Erie (Barge) Canal through Lock 32 near Pittsford. During part of year, entire flow from 45.5 mi^2 of Mud Creek drainage area may be diverted from Chemung River basin into Keuka Lake in Oswego River basin. Telephone and satellite gage-height telemeters at station. Several measurements of water temperature were made during the year.
COOPERATION.--Records of lockages at Lock 24 furnished by New York State Department Thruway Authority, Office of Canals.
EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 18,100 ft^3/s, Apr. 27, 1993, maximum gage height, 9.63 ft, Apr. 26, 27, 1993; minimum daily discharge, 34 ft^3/s, Sep. 17, 1985, result of extreme regulation. Maximum and minimum instantaneous discharge not determined.
EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 9,930 ft^3/s, Feb. 29; maximum gage height, 5.51 ft, May 16, 17; minimum daily discharge, 441 ft^3/s, Nov. 9. Maximum and 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	1060	865	3820	1260	846	9740	1010	7390	6550	5700	1590	968
2	1080	893	3670	1800	840	9410	1340	7370	6720	5510	e3500	972
3	763	815	3670	2100	842	8830	2120	7180	6860	5080	e4800	989
4	1040	807	3770	2230	844	8200	3470	6910	6670	3700	e4200	979
5	2140	809	4100	2980	816	7880	4710	5630	6410	3200	e3600	934
6	2350	747	4180	3200	804	7670	5460	3810	6310	1980	3130	912
7	1840	746	4070	2750	796	7460	5770	2550	6110	1400	3080	938
8	2030	657	3820	2880	776	7100	5670	1070	5500	1390	3340	943
9	2370	441	3670	2710	788	6950	6630	1260	4390	1510	3480	1000
10	2360	445	3540	2560	822	6900	7260	2330	3350	1420	e3850	971
11	2260	483	3560	2870	1330	6780	7780	3670	1690	1370	e4000	1140
12	2350	736	3630	3160	1170	6840	8100	4620	1480	1400	e3900	1320
13	2420	888	3500	3170	793	6800	8120	6430	2570	1350	e3800	1460
14	2530	580	3430	3130	1140	6780	8020	8530	5280	1370	e3500	1470
15	2900	535	3630	3080	1260	6760	7820	9410	6300	1780	e3200	1470
16	3070	608	3860	2840	1850	6760	7600	9920	6120	2030	e3000	1460
17	2940	865	4220	2660	2130	6860	7270	9900	5850	2460	2770	1420
18	2820	935	4350	2780	1970	6820	7120	9560	5730	2150	2170	1340
19	1700	916	4300	2340	2030	6780	7130	9240	5490	1950	2120	997
20	1510	1060	4140	1560	2210	6810	7330	8920	5270	1900	2170	876
21	2100	1550	4040	1530	2380	6740	7790	8700	5540	1940	1630	1140
22	1880	1480	3800	1530	2390	6400	8250	8520	6390	2030	1170	1470
23	1220	2450	3590	1520	2990	6300	8640	8300	6980	2070	1960	1500
24	1970	2720	3600	1470	3920	6100	8890	8080	6840	1920	1720	1880
25	1470	2430	3620	1170	5470	5820	9010	8000	6490	1700	1440	2180
26	585	2590	3620	577	7540	5460	8820	8010	6220	1610	1140	2150
27	603	3710	3320	889	8850	4920	8530	8020	6110	1130	849	1980
28	1090	3910	2700	1630	9790	3610	8190	7930	5980	801	828	1350
29	1210	3920	1690	866	9930	2890	7850	7710	5920	1310	841	1130
30	852	3910	741	880	---	2460	7610	7230	5830	1730	883	1330
31	856	---	927	871	---	1350	---	6640	---	1600	935	---
TOTAL	55369	43501	108578	64993	77317	200180	203310	212840	166950	66491	78596	38669
MEAN	1786	1450	3503	2097	2666	6457	6777	6866	5565	2145	2535	1289
MAX	3070	3920	4350	3200	9930	9740	9010	9920	6980	5700	4800	2180
MIN	585	441	741	577	776	1350	1010	1070	1480	801	828	876

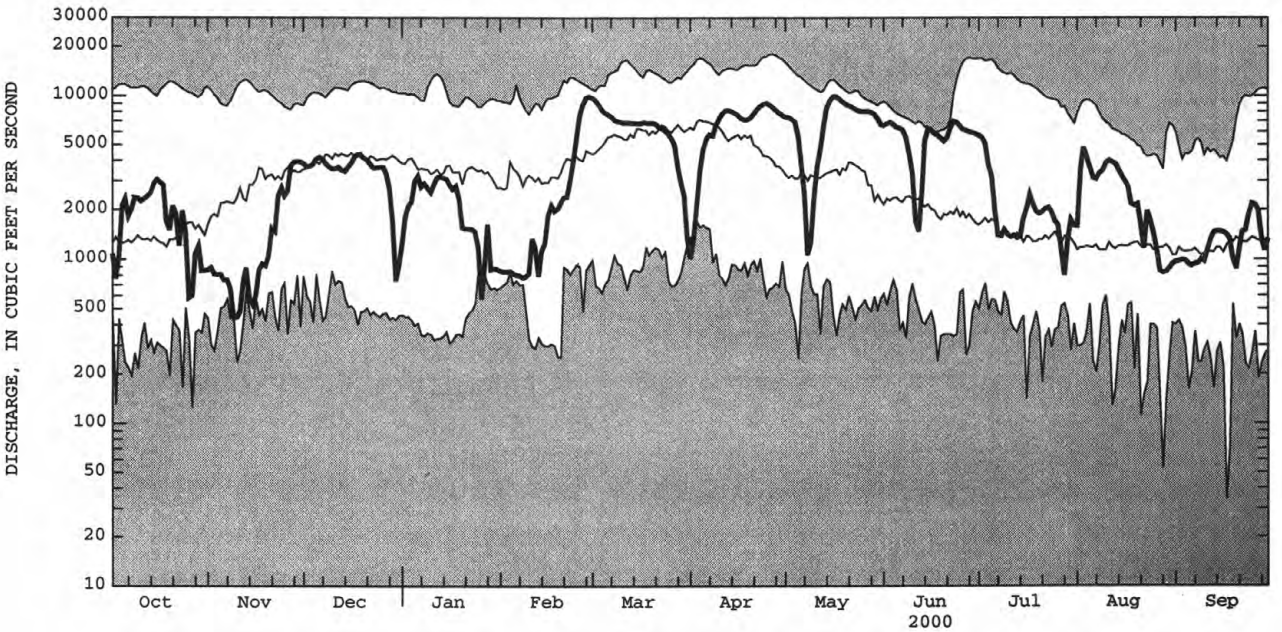
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2173	3358	4403	3971	3914	5915	5956	4024	2646	1947	1540	1431
MAX	11020	9491	10330	8807	8313	11650	15610	9778	6456	12100	6214	4760
(WY)	1978	1978	1978	1978	1976	1956	1993	1996	1972	1972	1992	1977
MIN	572	675	778	805	965	1606	1317	719	592	621	588	421
(WY)	1986	1958	1961	1954	1980	1965	1981	1995	1995	1985	1985	1995

e Estimated

04237500 SENECA RIVER AT BALDWINSVILLE, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1950 - 2000	
ANNUAL TOTAL	788133		1316794			
ANNUAL MEAN	2159		3598		3434	
HIGHEST ANNUAL MEAN					5998	1978
LOWEST ANNUAL MEAN					1357	1965
HIGHEST DAILY MEAN	8330	Mar 22	9930	Feb 29	18100	Apr 27 1993
LOWEST DAILY MEAN	177	Jul 21	441	Nov 9	34	Sep 17 1985
ANNUAL SEVEN-DAY MINIMUM	332	Jan 11	587	Nov 9	283	Sep 23 1988
10 PERCENT EXCEEDS	5490		7780		7650	
50 PERCENT EXCEEDS	1080		2760		2340	
90 PERCENT EXCEEDS	448		865		849	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.

SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04237500 SENECA RIVER AT BALDWINSVILLE, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--1958-1975, 1997 to current year.
CHEMICAL DATA: 1958 (e), 1997-98 (d).
PESTICIDE DATA: 1997-99 (d), 2000 (b).
PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1957 to September 1975.
EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum, 28.0°C, July 24, 1964; minimum, 0.0°C, on many days during winter period.
REMARKS.--Samples were taken as part of a state-wide pesticide sampling network in cooperation with the New York State Department of Environmental Conservation. Tables of compounds included when pesticide analyses were performed on samples appear following the introduction to the State-wide Monitoring of Pesticides in Surface Water of New York State section on pages 314-315. Additional water-quality data available from New York State Department of Environmental Conservation.

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	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)	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)
OCT											
13...	0920	2400	<.002	<.002	.0558	E.0348	<.001	<.002	<.002	<.003	<.003
DEC											
14...	1400	3400	<.002	<.002	.0934	E.0581	<.001	<.002	<.002	<.003	<.003
JAN											
11...	0920	2500	<.002	<.002	.0531	E.0412	<.001	<.002	<.002	<.003	<.003

DATE	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)	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)
OCT											
13...	<.004	.0119	<.002	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003
DEC											
14...	<.004	.0128	<.002	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003
JAN											
11...	<.004	.0067	<.002	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003

DATE	FONOFOS WATER DISS REC (UG/L) (04095)	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)	PARA-THION, DIS-SOLVED (UG/L) (39542)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)
OCT											
13...	<.003	<.002	<.004	<.002	<.005	.0189	<.004	<.004	<.003	<.004	<.006
DEC											
14...	<.003	<.002	<.004	<.002	<.005	.0425	<.004	<.004	<.003	<.004	<.006
JAN											
11...	<.003	<.002	<.004	<.002	<.005	.0479	<.004	<.004	<.003	<.004	<.006

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)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)
OCT										
13...	<.004	<.004	<.005	<.002	E.0050	<.003	<.007	<.004	<.013	.0131
DEC										
14...	<.004	<.004	<.005	<.002	E.0042	<.003	<.007	<.004	<.013	.0125
JAN										
11...	<.004	<.004	<.005	<.002	E.0035	<.003	<.007	<.004	<.013	.0106

04237500 SENECA RIVER AT BALDWINSVILLE, NY--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	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)
OCT										
13...	<.010	<.007	<.013	<.002	<.001	<.002	<.05	<.05	<.05	<.05
DEC										
14...	<.010	<.007	<.013	<.002	<.001	<.002	<.05	<.05	<.05	<.05
JAN										
11...	<.010	<.007	<.013	<.002	<.001	<.002	<.05	<.05	<.05	<.05

DATE	TER-BUTRYN WATER, DISS, REC (UG/L) (38888)	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)	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)
OCT										
13...	<.05	<.20	<.20	<.20	<.20	<.20	<.20	<.05	--	--
DEC										
14...	<.05	<.20	.61	<.20	<.20	<.20	.33	<.05	--	--
JAN										
11...	<.05	<.20	<.20	<.20	<.20	<.20	.26	<.05	--	--

04237946 ONONDAGA CREEK TRIBUTARY NO. 6 BELOW MAIN MUDBOIL DEPRESSION AREA AT TULLY, NY

LOCATION.--Lat 42°51'18", long 76°08'24", Onondaga County, Hydrologic Unit 04140201, on right side of 9-in flume, 250 ft downstream from main depression area, about 2,100 ft east of Tully Farms Road, 1,500 ft south of Otisco Road, 400 ft upstream from mouth and 4.2 mi northwest of Tully.
DRAINAGE AREA.--0.32 mi^2 (0.70 mi^2 diverted to Trib. No. 5 on June 12, 1992).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1991 to June 1999, October 1999 to September 2000.
REVISED RECORD.--WDR NY-93-3: 1992 (M).
GAGE.--Water stage recorder and flume. Elevation of gage is 560 ft above sea level, from topographic map.
REMARKS.--Records fair. Flow may include inflow from depressurizing wells, some originating outside the basin.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 45 ft^3/s, Mar. 27, 1992, gage height, 2.08 ft; maximum gage height, 2.90 ft, Jan. 19, 1996; minimum discharge, 0.0 ft^3/s, July 29, 1993, June 20, 1994, result of dam construction.
EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 4.8 ft^3/s, May 13; minimum daily discharge, 0.22 ft^3/s, Oct. 3.
Maximum and 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	.23	.39	.66	.57	.72	2.3	1.4	1.2	1.1	1.1	e.80	.45
2	.23	.45	.68	.63	.70	2.0	1.4	1.2	1.2	1.0	e.75	.45
3	.22	.45	.74	.74	.70	1.8	1.7	1.0	1.1	1.1	e.70	.45
4	.40	.39	.94	1.4	.70	1.6	4.1	1.0	1.1	1.1	e.68	.46
5	.35	.39	.86	1.0	.68	1.5	2.7	.96	1.1	.97	e.65	.43
6	.32	.40	.80	.82	.67	1.4	2.3	.91	1.6	.97	e.70	.42
7	.29	.39	.73	.77	.67	1.3	1.9	.85	1.4	.96	e.90	.42
8	.28	.40	.70	.70	.60	1.2	2.5	.81	1.2	.96	e.70	.42
9	.32	.42	.69	.70	.66	1.2	3.1	.80	1.2	1.0	e.65	.43
10	.30	.47	.72	.86	.70	1.1	2.4	1.4	1.1	1.0	e.60	.41
11	.30	.48	.68	1.2	1.0	1.1	2.2	1.4	1.1	.91	e.65	.40
12	.29	.44	.66	1.1	.81	1.5	2.0	2.6	1.1	.86	e.60	.70
13	.35	.46	.65	1.0	.73	1.2	1.8	4.8	1.5	.87	e.56	.59
14	.76	.46	.68	.88	.91	1.2	1.6	2.8	1.4	.92	e.54	.44
15	.46	.46	.84	.84	.79	1.2	1.5	2.3	1.1	1.5	e.52	.54
16	.40	.47	.77	.89	.77	1.2	1.4	1.9	1.1	1.2	e.50	.47
17	.37	.46	.71	.73	.72	1.2	1.4	1.6	1.1	1.0	.49	.42
18	.36	.47	.67	.74	.73	1.2	1.5	1.8	1.1	.98	.47	.41
19	.35	.47	.65	.79	.76	1.3	1.3	1.7	1.1	.96	.46	.40
20	.36	.51	.72	.84	.72	1.3	1.4	1.6	1.0	.89	.44	.39
21	.37	.49	.71	.78	.74	1.2	1.7	1.5	2.1	.95	.43	.46
22	.41	.49	.59	.75	.89	1.1	1.8	1.4	2.0	.86	.42	.39
23	.41	.46	.57	.75	1.6	1.1	1.8	1.4	1.4	.85	1.1	.66
24	.45	.46	.56	.78	2.7	1.1	1.6	1.6	1.3	.76	.56	.54
25	.41	.46	.54	.75	4.2	1.1	1.5	1.8	1.3	.76	.49	.49
26	.40	1.1	.59	.78	3.9	1.1	1.4	1.6	1.2	.90	.46	.44
27	.39	1.3	.57	.70	3.2	1.1	1.4	1.4	1.3	.81	.47	.42
28	.39	.78	.55	.69	4.7	1.7	1.3	1.4	1.1	.74	.49	.42
29	.40	.75	.57	.68	2.8	1.6	1.2	1.3	1.1	.84	.47	.41
30	.40	.69	.59	.70	---	1.6	1.1	1.2	1.1	.87	.45	.41
31	.39	---	.55	.76	---	1.5	---	1.1	---	.85	.46	---
TOTAL	11.36	15.81	20.94	25.32	39.47	42.0	54.4	48.33	37.6	29.44	18.16	13.74
MEAN	.37	.53	.68	.82	1.36	1.35	1.81	1.56	1.25	.95	.59	.46
MAX	.76	1.3	.94	1.4	4.7	2.3	4.1	4.8	2.1	1.5	1.1	.70
MIN	.22	.39	.54	.57	.60	1.1	1.1	.80	1.0	.74	.42	.39
CFSM	1.15	1.65	2.11	2.55	4.25	4.23	5.67	4.87	3.92	2.97	1.83	1.43
IN.	1.32	1.84	2.43	2.94	4.59	4.88	6.32	5.62	4.37	3.42	2.11	1.60

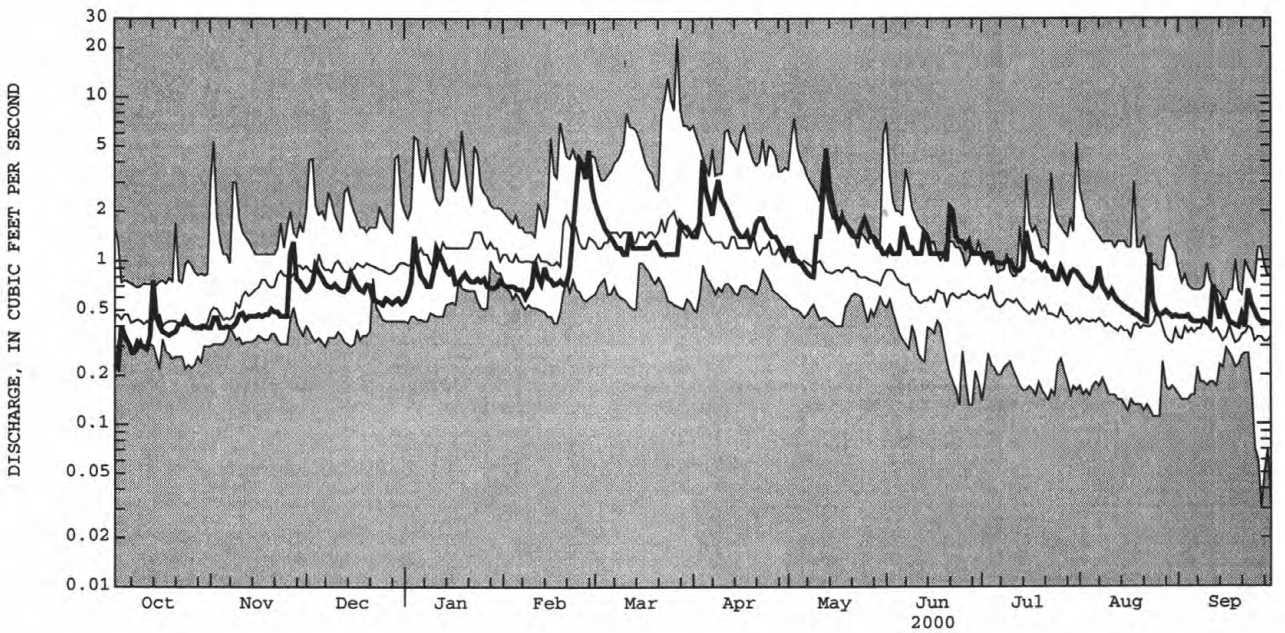
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	.46	.75	1.03	1.39	1.35	2.06	1.90	1.16	.81	.63	.51	.41
MAX	.78	1.24	1.90	2.82	3.05	5.20	4.49	2.56	1.76	1.47	1.32	.77
(WY)	1993	1997	1992	1992	1992	1992	1992	1992	1992	1992	1992	1992
MIN	.29	.35	.39	.67	.66	.93	.73	.51	.31	.21	.15	.23
(WY)	1994	1999	1999	1994	1995	1995	1999	1999	1999	1999	1999	1999

e Estimated

04237946 ONONDAGA CREEK TRIBUTARY NO. 6 BELOW MAIN MUDBOIL DEPRESSION AREA AT TULLY, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1992 - 2000	
ANNUAL TOTAL	222.03		356.57			
ANNUAL MEAN	.61		.97		1.04	
HIGHEST ANNUAL MEAN					2.20	1992
LOWEST ANNUAL MEAN					.57	1999
HIGHEST DAILY MEAN	5.0	Jan 23	4.8	May 13	23	Mar 27 1992
LOWEST DAILY MEAN	.11	Aug 24	.22	Oct 3	.03	Sep 27 1996
ANNUAL SEVEN-DAY MINIMUM	.12	Aug 20	.29	Oct 1	.07	Sep 24 1996
ANNUAL RUNOFF (CFSM)	1.90		3.04		3.24	
ANNUAL RUNOFF (INCHES)	25.81		41.45		44.03	
10 PERCENT EXCEEDS	1.2		1.6		1.9	
50 PERCENT EXCEEDS	.46		.78		.77	
90 PERCENT EXCEEDS	.16		.41		.32	



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

04237946 ONONDAGA CREEK TRIBUTARY NO. 6 BELOW MAIN MUDBOIL DEPRESSION AREA AT TULLY, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--August 1991 to June 1999, October 1999 to year.
CHEMICAL DATA: 1992-2000 (b).
SEDIMENT DATA: 1992-2000 (e).
PERIOD OF DAILY RECORD.--
SUSPENDED-SEDIMENT CONCENTRATION: October 1991 to June 1999, October 1999 to current year.
SUSPENDED-SEDIMENT DISCHARGE: October 1991 to June 1999, October 1999 to current year.
EXTREMES FOR PERIOD OF RECORD.--
SUSPENDED-SEDIMENT CONCENTRATION: Maximum daily mean, 27,200 mg/L, Oct. 1, 1991; minimum daily mean, 22 mg/L, Aug.19, 1993.
SUSPENDED-SEDIMENT DISCHARGE: Maximum daily mean, 148 tons, Mar.11, 1992; minimum daily mean, 0.02 tons, on many days during August and September 1993.
EXTREMES FOR CURRENT PERIOD.--
SUSPENDED-SEDIMENT CONCENTRATION: Maximum daily mean, 489 mg/L, Sep. 20; minimum daily mean, 78 mg/L, Feb. 28.
SUSPENDED-SEDIMENT DISCHARGE: Maximum daily mean, 1.2 tons, May 13; minimum daily mean, 0.28 tons, on Oct. 1, 2, 3.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	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)
NOV												
12...	0830	.42	6810	6.8	3.9	10.8	88	700	162	71.3	1000	4.7
FEB												
15...	0920	.74	4420	7.8	.7	12.7	91	530	127	51.8	683	3.0
MAY												
11...	0910	1.4	3150	7.5	12.8	10.1	97	430	107	38.4	457	2.7
AUG												
17...	1040	.48	7600	7.7	15.8	8.0	83	720	162	75.8	1270	4.3

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	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)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
NOV											
12...	1840	221	162	198	9.9	3470	60	100	2.66	361	.40
FEB											
15...	1180	156	158	193	7.3	2410	10	102	.88	227	.45
MAY											
11...	805	104	184	225	7.3	1760	90	289	1.16	131	.50
AUG											
17...	2270	261	224	273	9.4	4340	40	216	3.45	323	.42

04237946 ONONDAGA CREEK TRIBUTARY NO. 6 BELOW MAIN MUDBOIL DEPRESSION AREA AT TULLY, NY--Continued

SEDIMENT, SUSPENDED CONCENTRATION (MG/L), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	454	332	246	288	273	136	213	254	279	278	333	460
2	453	304	241	271	279	151	214	254	263	296	347	459
3	464	305	229	245	280	163	187	287	279	278	362	458
4	328	333	195	160	280	178	98	288	279	277	369	452
5	356	333	208	202	287	187	135	296	279	302	379	470
6	375	328	218	231	290	196	152	307	216	301	361	476
7	397	333	232	242	291	207	175	322	237	303	305	475
8	405	328	239	258	131	220	144	333	263	303	360	475
9	374	319	242	258	296	220	123	336	263	295	377	467
10	389	298	236	227	286	234	149	232	279	294	396	480
11	389	294	245	182	227	235	159	232	279	313	376	487
12	396	310	251	193	262	191	171	150	279	325	395	342
13	355	302	254	207	281	223	184	94	226	322	412	382
14	217	303	247	226	245	224	201	142	237	310	421	458
15	300	303	215	234	269	225	211	164	279	222	431	403
16	327	299	229	226	275	225	221	189	279	259	441	439
17	343	303	242	258	288	226	222	213	279	292	445	469
18	348	300	251	256	286	227	212	196	279	296	456	476
19	354	300	257	246	280	216	234	205	279	300	462	482
20	348	285	241	237	291	216	223	214	298	315	474	489
21	342	293	244	250	287	229	196	224	178	301	480	442
22	322	293	275	257	255	244	188	235	184	321	486	488
23	322	305	282	258	172	244	189	235	237	324	261	351
24	304	306	286	252	118	245	205	214	249	348	406	398
25	322	306	293	260	85	246	215	198	249	347	440	423
26	327	174	278	254	90	247	226	215	263	310	457	452
27	332	155	285	273	105	247	227	236	249	332	451	464
28	332	219	292	277	78	184	239	236	278	352	439	464
29	327	225	286	280	117	192	253	248	278	324	449	470
30	327	238	281	276	---	193	268	262	278	316	461	470
31	332	---	294	262	---	202	---	278	---	320	454	---
MEAN	354	291	252	243	231	212	194	235	260	306	409	451
MAX	464	333	294	288	296	247	268	336	298	352	486	489
MIN	217	155	195	160	78	136	98	94	178	222	261	342

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.28	.35	.44	.44	.53	.84	.81	.82	.83	.83	.72	.56
2	.28	.37	.44	.46	.53	.81	.81	.82	.85	.80	.70	.56
3	.28	.37	.46	.49	.53	.79	.86	.78	.83	.82	.69	.56
4	.35	.35	.50	.61	.53	.77	1.1	.78	.83	.82	.68	.56
5	.34	.35	.48	.55	.53	.76	.98	.77	.83	.79	.67	.55
6	.32	.35	.47	.51	.52	.74	.94	.75	.93	.79	.68	.54
7	.31	.35	.46	.50	.53	.73	.90	.74	.90	.79	.74	.54
8	.31	.35	.45	.49	.51	.71	.97	.73	.85	.79	.68	.54
9	.32	.36	.45	.49	.53	.71	1.0	.73	.85	.80	.66	.54
10	.31	.38	.46	.53	.54	.70	.96	.88	.83	.80	.64	.53
11	.31	.38	.45	.59	.61	.70	.94	.88	.83	.77	.66	.53
12	.31	.37	.45	.57	.57	.77	.92	1.0	.83	.75	.64	.65
13	.34	.38	.44	.56	.56	.72	.90	1.2	.92	.76	.62	.61
14	.44	.38	.45	.54	.60	.73	.87	1.1	.90	.77	.61	.54
15	.37	.38	.49	.53	.57	.73	.85	1.0	.83	.90	.60	.59
16	.35	.38	.47	.54	.57	.73	.84	.97	.83	.84	.60	.56
17	.34	.38	.46	.51	.56	.73	.84	.92	.83	.79	.59	.53
18	.34	.38	.46	.51	.56	.74	.86	.95	.83	.78	.58	.53
19	.34	.38	.45	.52	.57	.76	.82	.94	.83	.78	.57	.52
20	.34	.39	.47	.54	.56	.76	.84	.92	.80	.76	.56	.51
21	.34	.39	.47	.53	.57	.74	.90	.91	1.0	.77	.56	.55
22	.36	.39	.44	.52	.61	.72	.92	.89	1.0	.75	.55	.51
23	.36	.38	.43	.52	.74	.73	.92	.89	.89	.74	.77	.62
24	.37	.38	.43	.53	.86	.73	.89	.93	.87	.71	.61	.58
25	.36	.38	.43	.53	.96	.73	.87	.96	.87	.71	.58	.56
26	.35	.51	.44	.54	.95	.73	.86	.93	.85	.75	.57	.54
27	.35	.54	.44	.52	.91	.73	.86	.89	.87	.73	.57	.53
28	.35	.46	.43	.51	.99	.84	.84	.89	.83	.70	.58	.53
29	.35	.46	.44	.51	.89	.83	.82	.87	.83	.73	.57	.52
30	.35	.44	.45	.52	---	.83	.80	.85	.83	.74	.56	.52
31	.35	---	.44	.54	---	.82	---	.83	---	.74	.56	---
TOTAL	10.47	11.71	14.04	16.25	18.49	23.36	26.69	27.52	25.80	24.00	19.37	16.51
MEAN	.34	.39	.45	.52	.64	.75	.89	.89	.86	.77	.62	.55
MAX	.44	.54	.50	.61	.99	.84	1.1	1.2	1.0	.90	.77	.65
MIN	.28	.35	.43	.44	.51	.70	.80	.73	.80	.70	.55	.51

04237946 ONONDAGA CREEK TRIBUTARY NO. 6 BELOW MAIN MUDBOIL DEPRESSION AREA AT TULLY, NY--Continued

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV					
12...	0830	.42	361	.40	88
DEC					
05...	1430	.88	187	.44	94
FEB					
16...	1530	.76	365	.87	96
26...	1600	4.2	76	.86	100
APR					
08...	1330	1.7	141	.65	98
SEP					
07...	1900	.39	464	.49	100

04239000 ONONDAGA CREEK AT DORWIN AVENUE, SYRACUSE, NY

LOCATION.--Lat 42°59'00", long 76°09'04", Onondaga County, Hydrologic Unit 04140201, on left bank 550 ft upstream from bridge on Dorwin Avenue, at Syracuse, and 4.0 mi downstream from Onondaga Reservoir.
DRAINAGE AREA.--88.5 mi^2.
PERIOD OF RECORD.--May 1951 to current year.
REVISED RECORDS.--WSP 2112: Drainage area.
GAGE.--Water-stage recorder and concrete control. Datum of gage is 414.19 ft above sea level.
REMARKS.--Records good except those for estimated daily discharges, which are fair. High flows regulated by Onondaga Reservoir. Telephone and satellite gage-height telemeters at station. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,260 ft^3/s, July 3, 1974, gage height, 6.48 ft; minimum discharge not determined; minimum gage height, 1.15 ft, Sep. 16, 1959.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,340 ft^3/s, Feb. 28, gage height, 4.72 ft; minimum discharge, 20 ft^3/s, Oct. 3, 4, gage height, 1.45 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	33	31	108	62	e74	850	174	165	148	96	64	30
2	23	31	97	68	e72	720	164	196	172	88	95	29
3	21	57	105	107	e72	450	221	166	216	85	63	29
4	55	66	171	271	e72	285	801	149	165	93	52	30
5	51	42	177	255	e72	264	713	141	141	84	46	29
6	36	37	161	155	e72	236	564	153	210	74	44	28
7	30	34	140	128	e70	215	360	132	272	70	100	27
8	26	32	120	112	e70	208	376	122	185	66	77	26
9	26	32	107	105	e72	201	612	115	156	63	54	27
10	26	33	103	119	e74	186	542	222	139	68	48	28
11	26	47	110	210	e80	172	436	487	128	62	47	26
12	25	41	96	179	e78	243	370	417	151	57	58	33
13	29	38	91	141	e90	209	333	958	305	54	49	96
14	180	37	88	e120	102	188	308	934	467	53	44	55
15	112	37	120	e110	104	175	267	826	318	158	42	62
16	70	38	130	e110	94	177	234	623	187	240	40	59
17	53	38	116	e100	e85	194	217	299	157	160	37	44
18	47	37	100	e94	e85	171	263	377	152	104	36	36
19	42	38	84	e96	e86	177	265	560	165	85	35	33
20	38	40	89	e96	84	196	232	421	137	73	33	31
21	37	49	113	e94	82	186	436	310	147	68	32	33
22	36	46	95	e92	87	168	494	271	359	71	30	34
23	40	43	82	e90	159	153	450	257	216	66	130	78
24	44	42	e70	e90	323	144	352	289	155	60	111	101
25	46	40	e65	e88	637	138	273	354	142	56	59	72
26	41	137	e70	e86	862	135	232	299	145	51	46	56
27	41	410	e70	e82	941	125	216	243	162	49	40	48
28	36	207	e68	e80	1100	274	216	214	133	49	37	44
29	35	143	e66	e78	941	273	193	195	115	52	35	41
30	33	129	66	e76	---	228	180	176	105	74	33	39
31	31	---	e65	e76	---	199	---	158	---	62	32	---
TOTAL	1369	2032	3143	3570	6740	7540	10494	10229	5650	2491	1649	1304
MEAN	44.2	67.7	101	115	232	243	350	330	188	80.4	53.2	43.5
MAX	180	410	177	271	1100	850	801	958	467	240	130	101
MIN	21	31	65	62	70	125	164	115	105	49	30	26

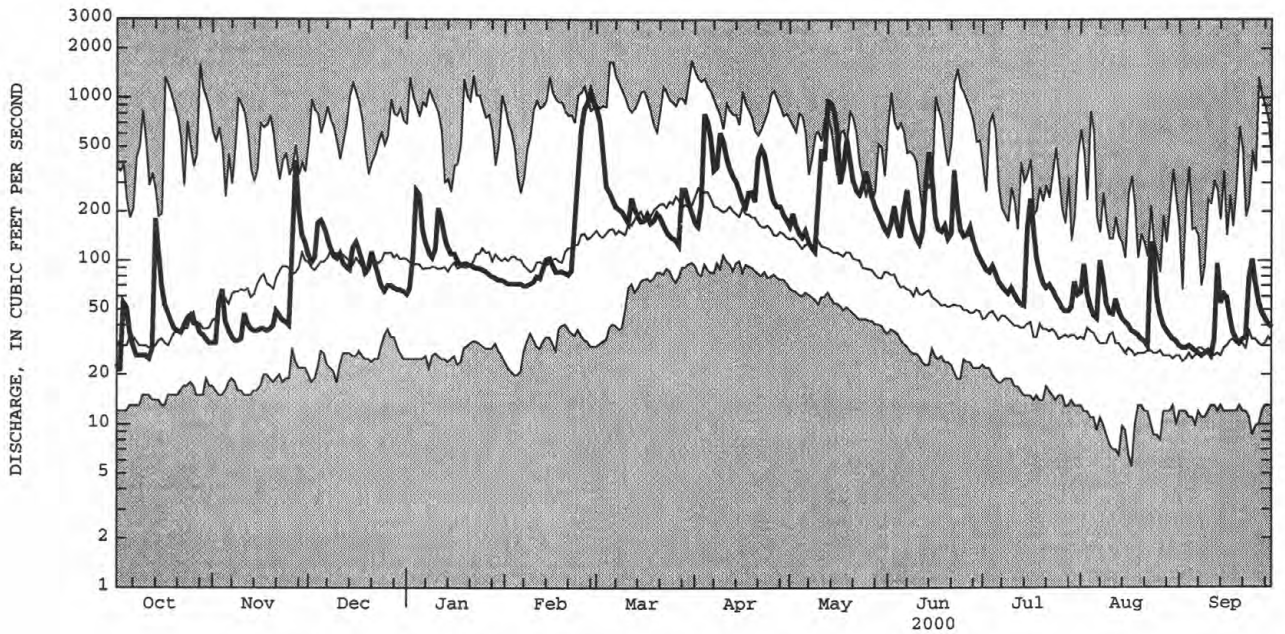
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	63.0	105	140	139	166	262	265	142	92.8	58.3	40.5	43.5
MAX	328	312	365	355	390	535	758	330	563	166	125	216
(WY)	1978	1969	1973	1998	1990	1979	1993	2000	1972	1992	1992	1975
MIN	15.3	19.3	31.7	33.7	40.8	93.3	112	58.1	28.1	19.5	10.7	13.2
(WY)	1965	1965	1961	1961	1963	1983	1981	1995	1999	1962	1965	1964

e Estimated

04239000 ONONDAGA CREEK AT DORWIN AVENUE, SYRACUSE, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1951 - 2000	
ANNUAL TOTAL	32682		56211			
ANNUAL MEAN	89.5		154		126	
HIGHEST ANNUAL MEAN					198	1978
LOWEST ANNUAL MEAN					58.8	1965
HIGHEST DAILY MEAN	978	Jan 24	1100	Feb 28	1710	Mar 31 1960
LOWEST DAILY MEAN	10	Aug 26	21	Oct 3	5.5	Aug 17 1965
ANNUAL SEVEN-DAY MINIMUM	12	Aug 31	27	Oct 7	7.4	Aug 11 1965
10 PERCENT EXCEEDS	198		320		260	
50 PERCENT EXCEEDS	46		95		80	
90 PERCENT EXCEEDS	17		33		24	



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

04240010 ONONDAGA CREEK AT SPENCER STREET, SYRACUSE, NY

LOCATION.--Lat 43°03'27", long 76°09'46", Onondaga County, Hydrologic Unit 04140201, on right bank 250 ft upstream from bridge on Spencer Street in Syracuse, 1,000 ft upstream from Erie (Barge) Canal terminal, and 1.0 mi upstream from mouth.
DRAINAGE AREA.--110 mi^2.
PERIOD OF RECORD.--Occasional discharge measurements, water years 1958-70. September 1970 to current year.
REVISED RECORDS.--WRD NY 1972: 1971(M). WRD NY 1975: 1972(M), 1974(M). WDR NY-81-3: Drainage area. WRD NY-89-3: 1971-72(M), 1974-80(M), 1982-84(M), 1986(M), 1988(M).
GAGE.--Water-stage recorder, crest-stage gage, and concrete control. Datum of gage is 362.29 ft above sea level.
REMARKS.--Records fair. High flows regulated by Onondaga Reservoir (see station 04238500). Flow may be affected by backwater from Onondaga Lake at times when the lake elevation exceeds 365.00 ft. Telephone and satellite gage-height telemeters at station. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,050 ft^3/s, July 3, 1974, gage height, 8.73 ft, from rating curve extended above 1,600 ft^3/s on basis of runoff comparisons with nearby stations; minimum, 20 ft^3/s, Sep. 26, 1985, gage height, 2.16 ft.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,540 ft^3/s, June 21, gage height, 6.51 ft; minimum discharge, 41 ft^3/s, Oct. 3, gage height, 2.42 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	49	135	89	e88	854	219	220	180	131	149	60
2	46	53	123	94	e85	748	208	247	232	123	126	60
3	43	64	130	145	e85	541	288	222	247	134	96	59
4	107	83	198	314	e85	366	851	205	201	127	85	60
5	78	57	208	297	e84	334	728	199	178	120	79	60
6	61	51	190	196	e84	297	621	205	245	112	76	58
7	54	48	169	164	e82	271	438	186	304	108	135	57
8	50	e46	148	148	82	260	483	175	216	104	115	57
9	50	46	134	139	92	256	668	168	183	101	90	57
10	54	48	129	160	95	236	609	325	164	100	80	58
11	51	58	137	245	121	220	508	555	163	92	81	57
12	48	54	122	221	118	303	442	513	174	90	92	113
13	92	51	116	178	107	260	401	1040	424	e85	84	154
14	207	51	115	146	124	237	373	922	510	e85	78	85
15	e120	50	146	e130	128	226	329	809	360	292	75	106
16	e100	52	159	e120	e110	231	288	659	224	303	75	93
17	e90	54	146	e115	e105	246	269	e450	190	199	69	76
18	e75	53	129	109	107	218	323	e640	182	139	66	67
19	55	55	113	e115	114	222	325	605	195	116	64	63
20	52	64	116	e115	109	244	292	488	172	107	62	61
21	50	60	139	e115	108	235	517	373	265	145	61	69
22	50	57	124	e110	112	214	583	333	382	105	59	63
23	55	55	110	110	191	194	536	302	259	100	236	126
24	58	53	94	e105	377	184	431	354	189	94	141	131
25	59	52	90	104	677	177	338	399	171	91	88	100
26	54	252	98	103	855	172	296	344	178	85	74	83
27	56	413	97	98	965	166	277	280	209	82	68	75
28	53	244	89	94	1140	335	275	245	166	81	66	69
29	51	172	95	e90	940	325	250	225	147	79	65	66
30	50	156	94	e90	---	277	235	210	138	98	64	64
31	49	---	93	e90	---	246	---	192	---	98	63	---
TOTAL	2076	2601	3986	4349	7370	9095	12401	12090	6848	3726	2762	2307
MEAN	67.0	86.7	129	140	254	293	413	390	228	120	89.1	76.9
MAX	207	413	208	314	1140	854	851	1040	510	303	236	154
MIN	43	46	89	89	82	166	208	168	138	79	59	57

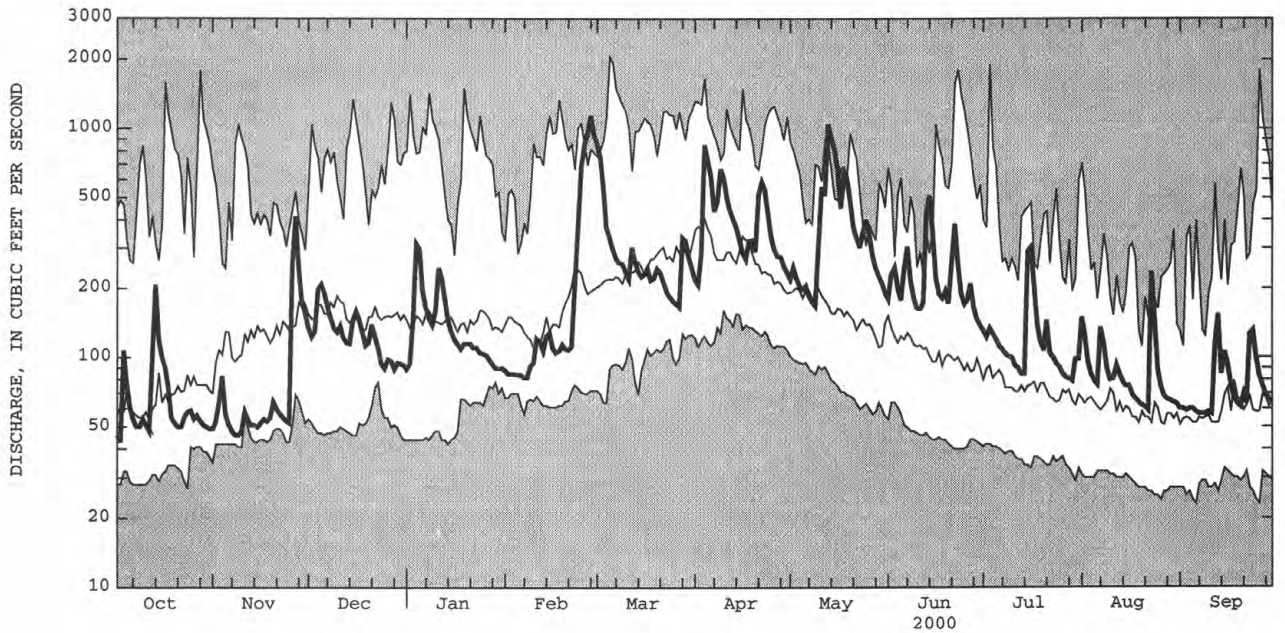
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	110	156	198	191	215	327	352	205	143	102	76.3	84.8
MAX	424	324	452	425	457	653	935	390	617	237	171	275
(WY)	1978	1978	1973	1998	1976	1979	1993	2000	1972	1974	1992	1975
MIN	39.2	48.9	53.9	73.6	70.4	123	153	78.8	49.3	39.6	30.4	36.2
(WY)	1984	1999	1999	1981	1980	1983	1995	1995	1995	1995	1999	1995

e Estimated

04240010 ONONDAGA CREEK AT SPENCER STREET, SYRACUSE, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1970 - 2000	
ANNUAL TOTAL	44071		69611			
ANNUAL MEAN	121		190		180	
HIGHEST ANNUAL MEAN					273	1976
LOWEST ANNUAL MEAN					100	1995
HIGHEST DAILY MEAN	1140	Jan 24	1140	Feb 28	2040	Mar 5 1979
LOWEST DAILY MEAN	23	Sep 6	43	Oct 3	23	Sep 26 1985
ANNUAL SEVEN-DAY MINIMUM	26	Aug 31	50	Nov 6	26	Aug 31 1999
10 PERCENT EXCEEDS	251		387		358	
50 PERCENT EXCEEDS	72		123		124	
90 PERCENT EXCEEDS	32		56		48	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.

SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04240100 HARBOR BROOK AT SYRACUSE, NY

LOCATION.--Lat 43°02'09", long 76°10'55", Onondaga County, Hydrologic Unit 04140201, on left bank 160 ft upstream from bridge on Holden Street at Syracuse, 220 ft downstream from gated outlet of Velasko Road Detention Basin, and 2.6 mi upstream from mouth.
DRAINAGE AREA.--10.0 mi^2.
PERIOD OF RECORD.--June 1959 to current year.
REVISED RECORDS.--WSP 2112: Drainage area. WDR NY-82-3: 1981 (M), WDR-NY-88-3: 1986-87 (M).
GAGE.--Water-stage recorder. Datum of gage is 391.16 ft above sea level. Prior to Sept. 30, 1978, at site 1,660 ft upstream and Oct. 1, 1978 to May 31, 1980, at site 1,800 ft upstream at datum 3.63 ft higher.
REMARKS.--Records poor. Flow includes some sewage and storm sewer inflow, some originating outside the basin. Flows can be regulated at detention basin by Onondaga County. Telephone and satellite gage-height telemeters at station. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 726 ft^3/s, July 3, 1974, gage height, 8.34 ft, datum then in use, from rating curve extended above 180 ft^3/s on basis of slope-area measurements of peak flow; no flow for part of each day July 14, 16, 18, 1997, Aug. 20, 26, 1998, Sep. 11, 14, 1998, result of regulation for maintenance work in the channel.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 190 ft^3/s, June 21, gage height, 3.79 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	e4.5	e3.8	e5.0	4.4	4.4	22	10	12	e9.0	6.5	11	4.8
2	e4.0	e4.5	e5.0	4.7	4.4	20	10	12	e17	6.4	6.8	e4.7
3	e3.5	e4.5	e5.5	8.4	4.3	18	12	10	e11	9.5	e6.4	e4.6
4	e8.5	e4.0	e8.5	19	4.3	16	44	9.8	e9.0	6.8	e6.0	e4.5
5	e4.5	e3.5	e6.0	7.8	4.3	16	25	9.6	e9.0	6.6	e6.0	e4.5
6	e5.0	e3.5	e5.5	5.4	4.4	13	18	9.2	e12	6.3	6.2	e4.5
7	e4.5	e3.5	e5.0	5.3	4.4	12	15	e9.0	13	6.1	8.7	e4.5
8	e3.0	e3.5	e4.8	5.0	4.3	12	31	e8.8	8.7	6.1	6.0	e4.5
9	e4.0	e3.5	e4.8	5.1	4.4	12	34	e8.8	8.4	6.4	6.5	e4.8
10	e5.5	e4.2	e5.0	6.6	4.5	11	24	e22	9.1	7.0	6.0	4.5
11	e3.0	e4.0	e4.8	7.1	4.8	11	22	e13	11	7.2	6.0	4.8
12	e4.0	e3.5	e4.7	6.0	4.5	19	22	e20	9.4	6.7	6.3	9.7
13	e8.0	e4.0	e4.7	5.5	4.3	12	20	e70	44	6.6	5.5	9.5
14	e8.5	e4.0	e4.7	5.2	4.7	11	18	e20	26	8.2	5.3	5.2
15	e5.5	e4.2	e6.0	5.1	4.6	10	15	e13	13	33	5.1	6.7
16	e5.0	e4.3	5.6	5.1	4.7	12	14	e11	11	26	5.0	4.7
17	e4.0	e4.3	5.5	4.9	4.6	13	14	e10	9.6	11	4.8	4.6
18	e3.0	e4.3	5.2	4.8	4.6	11	21	e26	9.2	6.9	4.8	4.6
19	e3.0	e4.0	5.0	4.8	4.6	12	16	23	8.5	6.4	4.8	e4.5
20	e4.0	e6.0	5.0	4.8	4.6	13	17	17	7.6	6.2	4.9	e4.5
21	e4.5	e4.0	4.8	4.6	4.6	11	32	15	30	13	5.0	e5.5
22	e4.5	e3.8	4.5	4.5	5.2	10	30	14	18	7.3	5.1	e4.5
23	e2.5	e3.6	4.5	4.5	8.3	9.9	27	13	9.3	6.9	20	e10
24	e1.5	e3.8	4.5	4.4	15	9.4	20	21	8.1	6.9	6.3	e5.5
25	e7.5	e4.0	4.3	4.4	45	9.3	16	17	7.8	6.8	5.5	e5.2
26	e4.0	e35	4.3	4.4	55	9.0	15	14	7.3	7.0	5.2	e5.0
27	e4.0	e13	4.3	4.4	56	9.3	14	12	10	e6.4	5.1	e5.0
28	e3.9	e5.5	4.3	4.3	60	22	14	11	7.1	e6.0	5.0	e4.9
29	e3.8	e6.0	4.3	4.3	28	14	13	10	6.8	e5.8	4.9	e4.7
30	e3.8	e5.5	4.4	4.4	---	12	11	10	6.7	e6.2	4.9	e4.5
31	e3.8	---	4.3	4.4	---	11	---	9.6	---	e11	4.9	---
TOTAL	138.8	165.3	154.8	173.6	366.8	402.9	594	480.8	366.6	269.2	194.0	159.5
MEAN	4.48	5.51	4.99	5.60	12.6	13.0	19.8	15.5	12.2	8.68	6.26	5.32
MAX	8.5	35	8.5	19	60	22	44	70	44	33	20	10
MIN	1.5	3.5	4.3	4.3	4.3	9.0	10	8.8	6.7	5.8	4.8	4.5

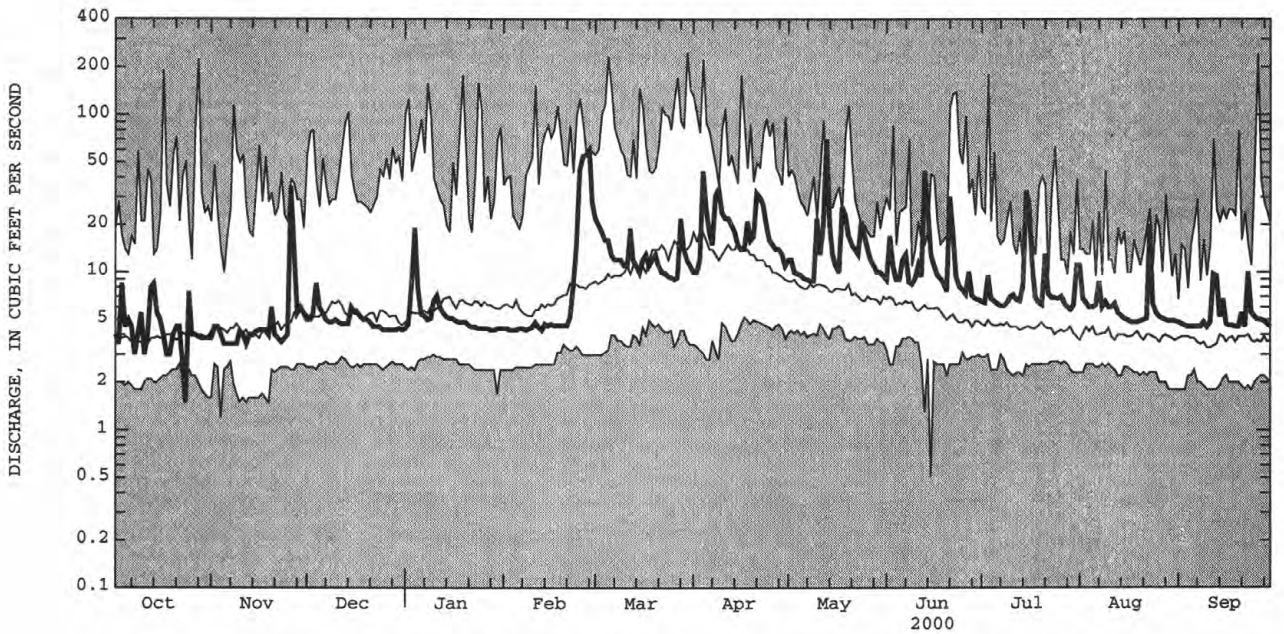
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	5.63	6.66	8.16	8.77	10.4	17.1	17.4	9.78	7.19	5.87	4.72	5.00
MAX	21.7	21.6	26.0	27.9	33.5	39.6	59.4	22.6	32.2	13.5	11.4	20.7
(WY)	1978	1969	1978	1998	1976	1979	1993	1976	1972	1974	1990	1975
MIN	2.24	2.74	2.76	3.07	3.48	5.14	5.07	4.35	3.55	2.81	2.55	2.35
(WY)	1967	1967	1962	1961	1963	1983	1967	1995	1995	1965	1965	1959

e Estimated

04240100 HARBOR BROOK AT SYRACUSE, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1959 - 2000	
ANNUAL TOTAL	2689.4		3466.3			
ANNUAL MEAN	7.37		9.47		8.89	
HIGHEST ANNUAL MEAN					15.7	1976
LOWEST ANNUAL MEAN					4.53	1967
HIGHEST DAILY MEAN	158	Jan 24	70	May 13	248	Mar 30 1960
LOWEST DAILY MEAN	1.5	Oct 24	1.5	Oct 24	.51	Jun 15 1984
ANNUAL SEVEN-DAY MINIMUM	2.6	Aug 9	3.3	Oct 18	1.6	Nov 10 1988
10 PERCENT EXCEEDS	13		19		16	
50 PERCENT EXCEEDS	5.0		6.1		5.6	
90 PERCENT EXCEEDS	2.8		4.2		3.1	



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.

04240105 HARBOR BROOK AT HIAWATHA BOULEVARD, SYRACUSE, NY

LOCATION.--Lat 43°03'22", long 76°11'07", Onondaga County, Hydrologic Unit 04140201, on left bank 250 ft downstream from culvert on Hiawatha Boulevard, in Syracuse, and 0.5 mi upstream from mouth.
DRAINAGE AREA.--11.3 mi^2.
PERIOD OF RECORD.--Occasional discharge measurements, water years 1958-70. October 1970 to current year.
REVISED RECORDS.--WDR NY-76-1: 1971-75 (P).
GAGE.--Water-stage recorder, crest-stage gage, and concrete control. Datum of gage is 365.86 ft above sea level.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Flow includes some sewage and storm sewer inflow, some originating outside the basin. Flow can be regulated at Velasko Road Detention Basin 2.1 mi upstream. Telephone and satellite gage-height telemeters at station. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 824 ft^3/s, July 3, 1974, gage height, 7.91 ft, from rating curve extended above 76 ft^3/s on basis of step-backwater computations; maximum gage height, 8.15 ft, Sep. 26, 1975 (backwater from debris jam); no flow for part of each day Oct. 26, 27, 1987, result of regulation for maintenance work in the channel.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 506 ft^3/s, June 21, gage height, 6.34 ft; minimum, 0.52 ft^3/s, Oct. 1, 7, gage height 1.55 ft, result of regulation for maintenance work in the channel.

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	4.8	3.7	5.5	4.5	4.6	21	9.8	11	9.0	7.3	15	3.9
2	4.3	4.7	5.4	4.7	4.7	20	9.7	11	18	7.3	7.1	3.9
3	3.4	4.5	5.8	8.4	4.5	18	13	10	12	11	6.7	3.9
4	8.8	4.0	8.9	e25	4.5	15	50	9.7	9.3	7.4	6.5	3.9
5	5.0	3.8	6.6	e9.0	4.4	15	24	9.6	9.3	6.9	6.3	3.8
6	5.2	3.6	6.1	e6.0	4.5	13	17	9.2	13	6.6	6.3	3.8
7	4.8	3.6	5.6	e5.8	4.6	12	14	8.7	13	6.4	10	3.7
8	3.3	3.6	5.4	e5.6	4.3	12	39	8.6	9.3	6.3	6.4	3.8
9	4.1	3.6	5.2	e5.6	4.8	13	37	8.4	8.8	6.6	7.2	4.0
10	6.1	4.5	5.7	e7.5	5.0	11	22	22	8.6	6.3	6.2	3.6
11	3.4	4.2	5.4	e9.0	5.4	11	20	12	11	6.2	6.1	3.7
12	4.3	3.9	5.2	e7.0	4.8	18	20	21	8.2	6.1	7.1	18
13	8.4	4.1	5.1	e6.2	4.6	12	18	82	67	6.0	6.2	15
14	9.1	4.0	5.7	e5.8	5.3	11	16	20	25	7.6	6.1	5.2
15	5.8	4.2	6.7	e5.6	5.0	10	14	13	11	56	6.0	7.7
16	5.0	4.4	5.6	e5.6	5.2	12	12	12	9.9	28	5.9	4.5
17	3.9	4.4	5.4	e5.6	4.9	13	12	11	8.8	11	5.8	4.3
18	3.0	4.4	5.3	e5.4	5.0	10	19	29	8.5	7.6	5.8	4.2
19	3.0	4.3	5.2	e5.4	5.0	12	14	20	8.1	7.0	5.8	4.1
20	4.4	6.3	5.3	e5.2	5.0	13	16	15	7.9	6.6	5.7	4.0
21	4.5	4.2	5.1	e5.2	5.0	11	33	13	55	29	5.6	5.9
22	5.0	4.0	4.8	e5.0	5.8	10	29	12	19	8.1	5.5	4.2
23	2.4	3.9	4.7	e4.9	8.9	9.9	24	11	10	7.1	45	13
24	1.3	4.0	4.7	e4.8	13	9.7	18	20	9.1	6.8	6.3	5.4
25	8.2	4.4	e4.7	e4.7	e45	9.5	15	14	8.7	6.5	5.2	4.6
26	3.9	38	4.7	4.7	58	9.1	14	13	8.4	6.4	5.0	4.4
27	3.9	14	4.6	4.6	64	9.4	13	11	13	6.3	4.7	4.4
28	3.8	6.1	e4.5	4.6	81	22	12	10	8.1	6.2	4.3	4.2
29	3.7	6.3	4.5	4.6	27	14	12	9.9	7.8	6.1	4.1	4.0
30	3.7	6.1	4.7	4.6	---	12	11	9.6	7.6	6.2	4.1	3.9
31	3.7	---	e4.6	4.7	---	11	---	9.4	---	13	4.0	---
TOTAL	144.2	174.8	166.7	195.3	403.8	399.6	577.5	476.1	422.4	315.9	232.0	163.0
MEAN	4.65	5.83	5.38	6.30	13.9	12.9	19.2	15.4	14.1	10.2	7.48	5.43
MAX	9.1	38	8.9	25	81	22	50	82	67	56	45	18
MIN	1.3	3.6	4.5	4.5	4.3	9.1	9.7	8.4	7.6	6.0	4.0	3.6

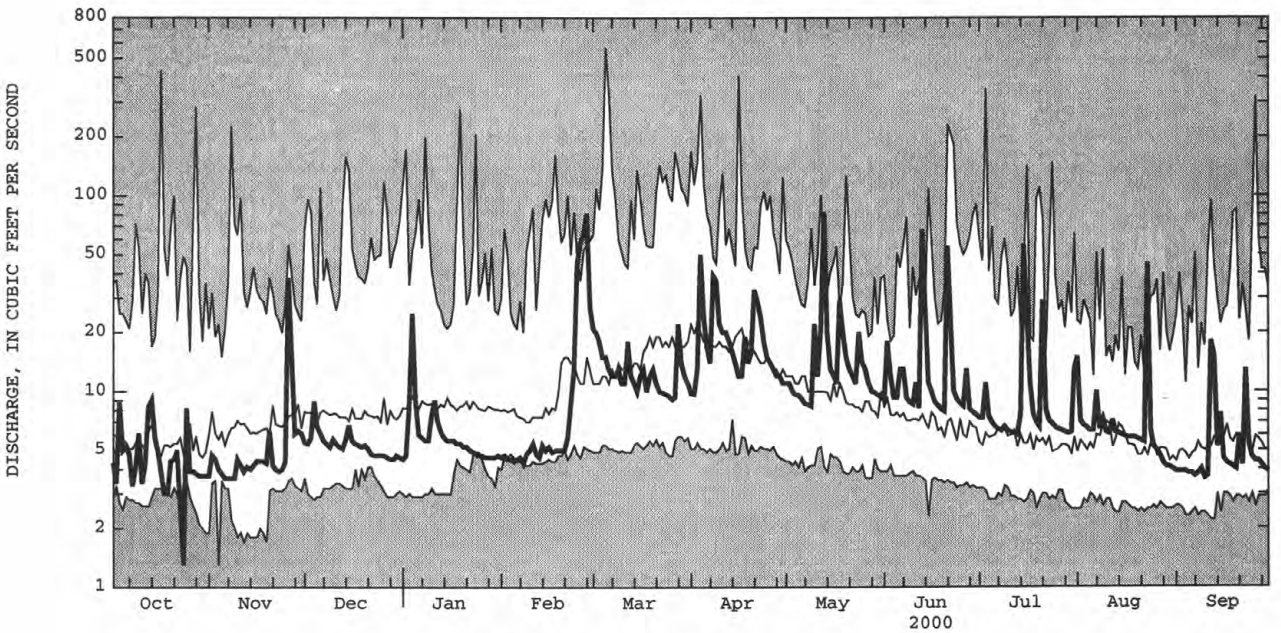
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	8.38	9.15	11.4	12.1	13.1	22.1	22.5	12.9	10.5	9.11	6.83	7.78
MAX	34.0	26.6	35.8	31.0	38.4	68.8	68.8	27.9	51.9	25.4	12.0	28.7
(WY)	1978	1978	1978	1973	1976	1979	1993	1976	1972	1974	1972	1975
MIN	3.44	3.68	3.54	4.43	4.99	6.04	6.09	4.80	3.79	3.44	3.08	3.70
(WY)	1998	1999	1999	1983	1995	1983	1981	1981	1995	1995	1999	1997

e Estimated

04240105 HARBOR BROOK AT HIAWATHA BOULEVARD, SYRACUSE, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1971 - 2000	
ANNUAL TOTAL	2699.9		3671.3			
ANNUAL MEAN	7.40		10.0		12.1	
HIGHEST ANNUAL MEAN					21.3	1973
LOWEST ANNUAL MEAN					5.54	1995
HIGHEST DAILY MEAN	206	Jan 24	82	May 13	567	Mar 5 1979
LOWEST DAILY MEAN	1.3	Oct 24	1.3	Oct 24	1.3	Nov 4 1988
ANNUAL SEVEN-DAY MINIMUM	2.6	Sep 9	3.4	Oct 18	1.8	Nov 10 1988
INSTANTANEOUS LOW FLOW					.00	Oct 26 1987
10 PERCENT EXCEEDS	13		18		23	
50 PERCENT EXCEEDS	5.1		6.3		7.7	
90 PERCENT EXCEEDS	2.9		4.0		3.9	



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.

04240120 LEY CREEK AT PARK STREET, SYRACUSE, NY

LOCATION.--Lat 43°04'38", long 76°10'14", Onondaga County, Hydrologic Unit 04140201, on left bank 0.2 mi upstream from bridge on Park Street, and 0.4 mi upstream from mouth.
DRAINAGE AREA.--29.9 mi^2.
PERIOD OF RECORD.--Occasional discharge measurements water years 1959-72. December 1972 to current year.
REVISED RECORDS.--WDR NY 76-1: 1975 (M).
GAGE.--Water-stage recorder, crest-stage gage, and, since July 9, 1984, steel "I" beam control. Datum of gage is 362.76 ft above sea level. Prior to Oct. 1, 1978, at same site at datum 0.08 ft higher.
REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow may be affected by backwater from Onondaga Lake at times when the lake elevation exceeds 364.0 ft. Telephone and satellite gage-height telemeters at station. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,310 ft^3/s, Sep. 26, 1975, gage height, 6.17 ft, from rating curve extended above 530 ft^3/s; maximum gage height, 7.02 ft, Apr. 26, 1993 (backwater from Onondaga Lake); minimum discharge not determined; minimum gage height, 0.28 ft, Feb. 6-8, 1977.
EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 450 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	0330	501	3.47	June 13	2000	562	3.67
May 13	0730	*579	*3.73	June 21	2130	489	3.43

Minimum discharge, 6.7 ft^3/s, Nov. 15, 16, 17, Aug. 22.

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	8.6	30	11	e10	e170	37	26	20	15	55	8.9
2	9.3	13	23	15	e10	e150	36	48	93	13	40	8.6
3	8.4	27	24	48	e10	e110	52	32	47	30	16	9.0
4	82	11	41	164	e10	73	291	29	27	22	13	9.0
5	19	8.0	37	74	e10	57	182	26	23	12	10	12
6	12	7.5	37	40	e9.5	49	91	21	56	11	9.8	9.3
7	8.8	7.4	32	29	e9.5	43	61	18	48	10	29	8.7
8	7.9	7.4	24	24	e9.5	40	150	15	29	11	13	8.7
9	10	7.6	21	22	e11	49	238	15	26	12	13	12
10	23	14	23	59	e16	49	e120	107	19	12	11	9.1
11	13	18	28	74	e30	38	e80	106	40	9.3	14	11
12	8.8	8.9	19	60	e22	98	e70	147	38	9.2	33	36
13	13	8.4	18	44	20	63	e58	e330	200	8.8	17	100
14	110	10	19	30	27	48	e48	e150	202	14	12	17
15	24	8.1	56	23	30	43	e44	e85	92	124	11	52
16	14	7.2	35	e20	e28	62	e40	e70	48	100	13	26
17	12	7.3	26	18	e24	82	e38	e60	35	55	10	14
18	12	7.3	21	15	e21	64	e80	e85	28	22	8.5	11
19	10	7.4	18	15	e22	57	e54	e80	26	18	8.6	10
20	9.7	18	18	15	22	58	e58	e66	22	14	7.7	9.7
21	9.4	16	23	15	24	49	e150	e52	126	49	7.6	25
22	10	8.8	17	13	34	43	e150	e45	129	32	7.4	13
23	11	8.9	15	12	98	38	e95	e40	62	14	106	87
24	21	9.6	13	e12	130	35	e70	e85	39	12	31	33
25	11	9.5	12	e12	216	35	e60	e100	29	11	13	19
26	9.1	157	12	e12	224	31	e55	e60	24	11	9.1	15
27	8.6	154	13	e12	255	30	e50	e42	43	11	8.0	12
28	8.3	45	12	e12	e380	159	e42	e35	22	9.8	7.9	11
29	8.8	53	11	e11	e230	108	34	30	19	10	8.3	9.9
30	8.7	47	14	e11	---	71	27	24	17	14	7.8	9.6
31	8.4	---	13	e11	---	49	---	20	---	14	7.9	---
TOTAL	534.2	720.9	705	933	1942.5	2051	2561	2049	1629	710.1	558.6	616.5
MEAN	17.2	24.0	22.7	30.1	67.0	66.2	85.4	66.1	54.3	22.9	18.0	20.5
MAX	110	157	56	164	380	170	291	330	202	124	106	100
MIN	7.9	7.2	11	11	9.5	30	27	15	17	8.8	7.4	8.6
CFSM	.58	.80	.76	1.01	2.24	2.21	2.86	2.21	1.82	.77	.60	.69
IN.	.66	.90	.88	1.16	2.42	2.55	3.19	2.55	2.03	.88	.69	.77

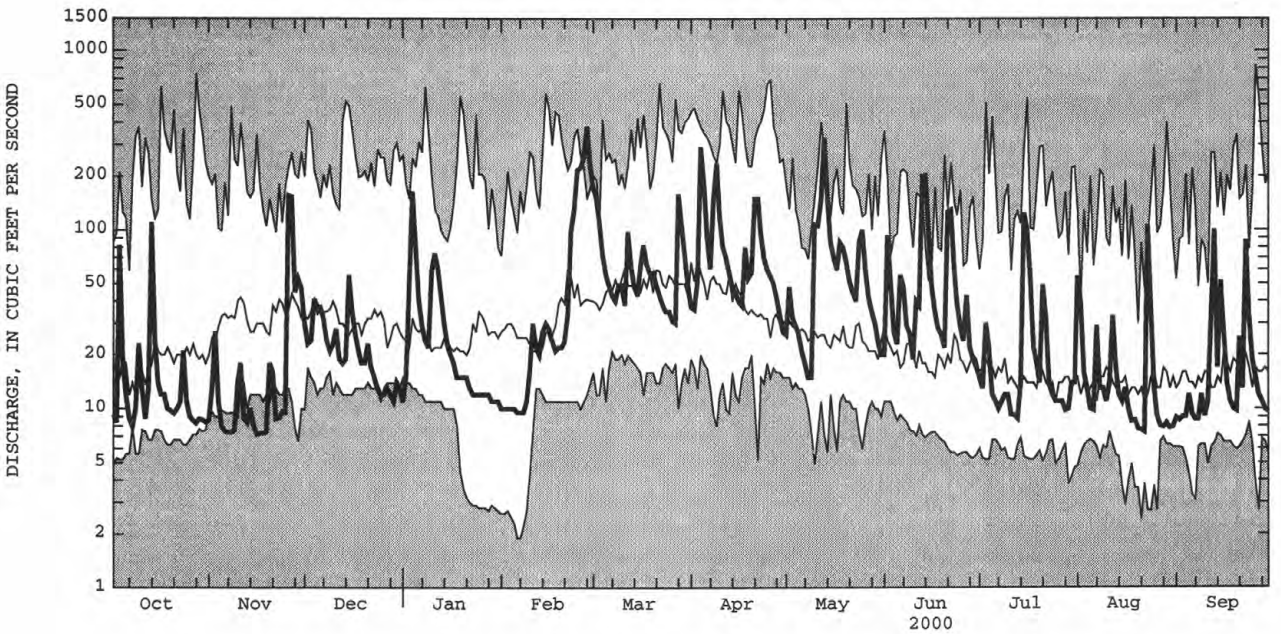
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	34.6	47.4	52.6	42.9	51.2	73.3	72.8	40.5	30.6	27.2	22.7	29.5
MAX	129	102	145	107	125	154	334	94.8	71.4	61.6	46.7	99.1
(WY)	1978	1978	1978	1998	1976	1978	1993	1996	1973	1992	1976	1975
MIN	7.01	17.3	18.5	11.0	16.1	25.0	22.5	12.7	11.8	10.6	8.22	9.07
(WY)	1983	1979	1989	1977	1993	1981	1981	1987	1995	1995	1987	1994

e Estimated

04240120 LEY CREEK AT PARK STREET, SYRACUSE, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1973 - 2000	
ANNUAL TOTAL	10525.9		15010.8			
ANNUAL MEAN	28.8		41.0		43.2	
HIGHEST ANNUAL MEAN					69.8	1978
LOWEST ANNUAL MEAN					24.8	1995
HIGHEST DAILY MEAN	441	Jan 24	380	Feb 28	831	Sep 26 1975
LOWEST DAILY MEAN	6.0	Sep 5	7.2	Nov 16	1.9	Feb 6 1977
ANNUAL SEVEN-DAY MINIMUM	6.9	Aug 31	8.0	Nov 13	2.3	Feb 2 1977
ANNUAL RUNOFF (CFSM)	.96		1.37		1.44	
ANNUAL RUNOFF (INCHES)	13.10		18.68		19.61	
10 PERCENT EXCEEDS	58		99		96	
50 PERCENT EXCEEDS	15		22		24	
90 PERCENT EXCEEDS	7.7		8.9		10	



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

0424014980 SPAFFORD CREEK TRIBUTARY NEAR SAWMILL ROAD, NEAR SPAFFORD, NY

LOCATION.--Lat 42°49'35", long 76°13'56", Onondaga County, Hydrologic Unit 04140201, on right bank, 200 ft behind farmers house, 500 ft upstream from Spafford Creek, and approximately 0.4 mi south of Sawmill Road.
DRAINAGE AREA.--Not determined.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1997 to current year.
GAGE.--Water-stage recorder, V-notch sharp-crested compound weir, and crest-stage gage. Elevation of gage is 820 ft above sea level, from topographic map.
REMARKS.--Records fair except those for estimated daily discharges, which are poor. Telephone gage-height and precipitation telemeter at station. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 0.50 ft^3/s, Jan. 12, 1998; minimum daily discharge, 0.005 ft^3/s, Dec. 10, 11, 14, 15, 1998, Oct. 8, 1999. Maximum and minimum instantaneous discharge not determined.
EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 0.29 ft^3/s, May 13; minimum daily discharge, 0.005 ft^3/s, Oct. 8. Maximum and 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	.014	.011	.059	.045	.065	e.16	.14	.10	.14	.076	.028	.015
2	.015	.021	.061	.048	.066	e.15	.16	.10	.14	.079	.029	.015
3	.013	e.012	.077	.060	.063	e.14	.17	.096	.13	.074	.030	.015
4	.045	e.010	e.090	.085	.056	e.13	.21	.094	.12	.074	.027	.015
5	.021	e.010	.071	.073	.055	e.12	.17	.097	.12	.067	.022	.015
6	.012	e.010	.071	.073	.057	e.12	.16	.092	.16	.062	.023	.016
7	.009	e.010	.069	.073	.058	.11	.16	.093	.14	.059	.054	.021
8	.005	e.012	.075	.074	.050	.11	.23	.097	.13	.059	.030	.026
9	.006	.015	.077	.083	.061	.12	.19	.097	.13	.057	.027	.014
10	.006	.015	e.085	.094	.057	.11	.20	e.15	.13	.054	.027	.015
11	.006	.009	e.080	.099	e.084	.12	.16	e.17	.12	.050	.024	.020
12	.007	.009	e.080	.085	e.070	e.17	.16	.22	.11	.046	.018	.046
13	.029	.008	e.080	.084	e.065	e.13	.15	.29	.13	.042	.018	.025
14	.032	.011	e.080	.091	e.12	.15	.15	.17	.12	.051	.019	.015
15	.031	.011	.086	.087	e.11	.15	.13	.16	.12	.15	.018	.018
16	.029	.012	.096	.074	e.10	.15	.12	.16	.11	.090	.019	.017
17	.018	.012	.049	e.070	e.095	.15	.13	.16	.11	.091	.016	.016
18	.011	.014	.058	.065	e.085	.14	.16	.18	.11	.083	.015	.015
19	.009	.017	.072	e.090	e.070	.14	.14	.16	.10	.071	.015	.022
20	.008	.025	.074	.091	e.066	.14	e.11	.15	.093	.059	.014	.021
21	.008	.026	.081	.11	e.070	.14	e.095	.15	.17	.052	.014	.011
22	.009	.023	.089	.095	e.080	.14	.091	.15	.11	.048	.014	.010
23	.008	.021	.085	.097	e.090	.13	.088	.15	.11	.046	.042	.027
24	.008	.019	.072	.075	.11	.13	.085	.18	.11	.041	.024	.010
25	.010	.021	e.070	.076	e.25	.13	.089	.17	.10	.040	.019	.008
26	.010	.088	e.068	.071	e.22	.13	.090	.16	.10	.040	.018	.012
27	.009	.059	e.066	.069	e.24	.12	.090	.15	.096	.037	.017	.024
28	.009	.063	.066	.063	e.28	.15	.11	.15	.088	.038	.019	.012
29	.008	.063	.065	.068	e.18	.16	.11	.15	.087	.036	.017	.013
30	.007	.059	.054	.057	---	.14	.11	.15	.083	.032	.014	.013
31	.008	---	.047	.045	---	.15	---	.14	---	.028	.015	---
TOTAL	0.420	0.696	2.253	2.370	2.973	4.23	4.158	4.536	3.517	1.832	0.686	0.522
MEAN	.014	.023	.073	.076	.10	.14	.14	.15	.12	.059	.022	.017
MAX	.045	.088	.096	.11	.28	.17	.23	.29	.17	.15	.054	.046
MIN	.005	.008	.047	.045	.050	.11	.085	.092	.083	.028	.014	.008
CFSM	.12	.21	.66	.70	.93	1.24	1.26	1.33	1.07	.54	.20	.16
IN.	.14	.24	.76	.80	1.01	1.43	1.41	1.53	1.19	.62	.23	.18

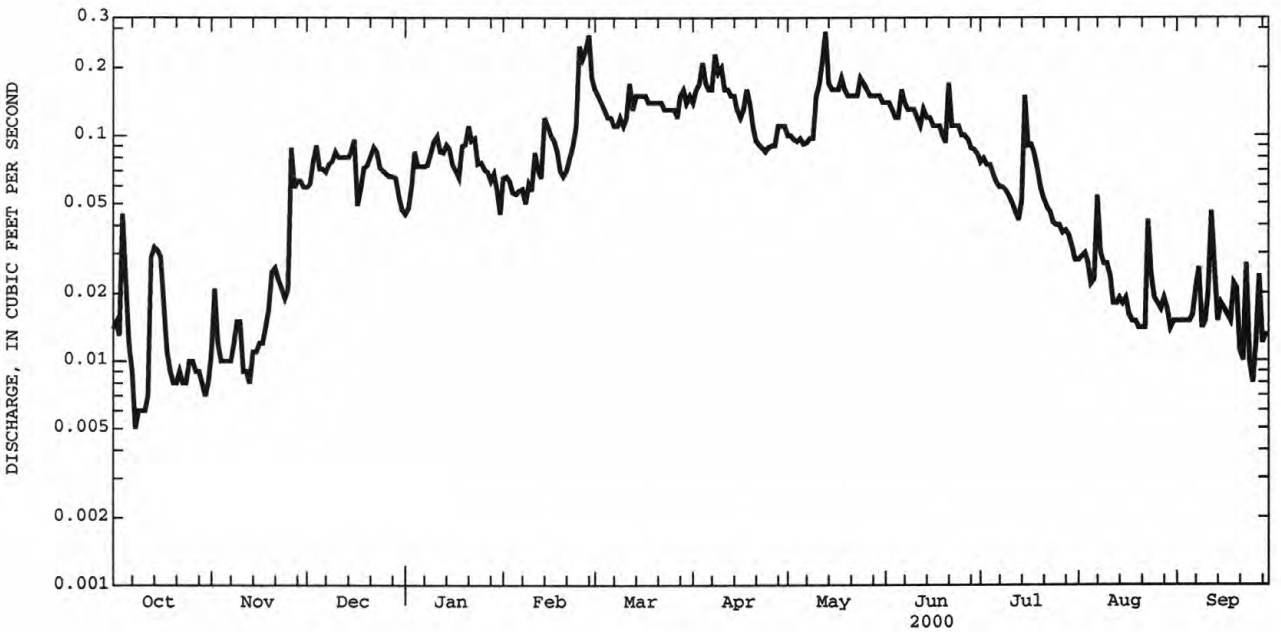
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	.013	.019	.042	.10	.11	.13	.13	.092	.055	.046	.017	.020
MAX	.014	.024	.073	.18	.12	.14	.14	.15	.12	.066	.022	.029
(WY)	1999	1998	2000	1998	1998	2000	2000	2000	2000	1998	2000	1999
MIN	.011	.010	.009	.043	.10	.13	.13	.056	.014	.012	.010	.013
(WY)	1998	1999	1999	1999	2000	1998	1998	1999	1999	1999	1999	1998

e Estimated

0424014980 SPAFFORD CREEK TRIBUTARY NEAR SAWMILL ROAD, NEAR SPAFFORD, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR	FOR 2000 WATER YEAR	WATER YEARS 1998 - 2000	
ANNUAL TOTAL	19.329	28.193		
ANNUAL MEAN	.053	.077	.064	
HIGHEST ANNUAL MEAN			.077	2000
LOWEST ANNUAL MEAN			.046	1999
HIGHEST DAILY MEAN	.24 Mar 21	.29 May 13	.50	Jan 12 1998
LOWEST DAILY MEAN	.005 Oct 8	.005 Oct 8	.005	Dec 10 1998
ANNUAL SEVEN-DAY MINIMUM	.01 Aug 20	.01 Oct 6	.01	Dec 9 1998
ANNUAL RUNOFF (CFSM)	.48	.70	.58	
ANNUAL RUNOFF (INCHES)	6.54	9.53	7.93	
10 PERCENT EXCEEDS	.13	.15	.14	
50 PERCENT EXCEEDS	.03	.07	.05	
90 PERCENT EXCEEDS	.01	.01	.01	



CURRENT WATER YEAR DAILY MEAN DISCHARGE

0424014980 SPAFFORD CREEK TRIBUTARY NEAR SAWMILL ROAD, NEAR SPAFFORD, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1999 to September 2000.
PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: October 1999 to current year.
INSTRUMENTATION.--Water temperature recorder since October 1999.
EXTREMES FOR PERIOD OF RECORD.--
WATER TEMPERATURES: Maximum, 21.0°C, Sep. 12, 2000; minimum 1.0°C, Jan. 23, Feb. 2, 9, 18, 2000.
EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 21.0°C, Sep. 12, 2000; minimum 1.0°C, Jan. 23, Feb. 2, 9, 18.

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	17.0	10.5	13.0	14.0	7.5	10.5	7.5	6.0	6.5	6.5	4.5	5.5
2	17.0	10.0	13.0	14.0	11.0	12.5	8.5	6.5	7.5	7.5	5.0	6.5
3	17.5	11.5	13.5	---	---	---	9.0	8.0	8.5	7.5	6.0	7.0
4	12.5	11.0	11.5	---	---	---	9.5	8.0	9.0	9.0	5.5	7.5
5	13.0	9.0	11.0	---	---	---	11.0	9.5	10.0	5.5	4.5	5.0
6	11.0	8.5	9.5	---	---	---	10.0	9.0	9.5	5.0	4.0	5.0
7	11.5	7.5	9.0	8.0	6.0	7.0	9.0	8.0	8.5	6.0	5.0	5.5
8	13.5	6.0	9.5	8.5	5.5	7.0	9.0	7.5	8.0	6.5	4.5	5.0
9	15.5	10.5	12.5	12.5	7.0	9.5	9.0	7.5	8.0	6.5	5.0	6.0
10	16.0	11.5	14.0	12.5	9.5	11.0	8.5	8.0	8.5	6.5	5.5	6.0
11	15.5	9.5	12.5	9.5	6.0	8.0	8.0	7.0	7.5	6.0	5.0	6.0
12	13.0	7.5	10.0	8.0	5.5	7.0	8.0	7.5	7.5	6.0	5.0	5.5
13	15.0	9.5	12.0	9.5	8.0	8.5	8.0	7.5	7.5	5.5	3.5	4.5
14	13.0	8.0	10.5	10.0	7.5	9.0	8.0	6.0	7.5	4.5	2.0	3.5
15	13.5	8.0	10.5	7.5	6.0	7.0	8.0	6.0	7.5	5.0	2.0	4.0
16	15.0	9.5	12.0	6.0	5.0	5.5	8.0	7.0	7.5	4.5	1.5	3.0
17	13.5	12.0	13.0	6.0	4.5	5.5	7.0	6.5	7.0	4.0	2.0	3.0
18	12.0	9.0	10.5	9.0	5.0	6.5	7.5	5.5	6.5	4.5	3.0	3.5
19	12.0	7.5	9.5	10.0	6.0	7.5	7.0	5.0	6.0	5.0	3.5	4.0
20	13.0	9.5	10.5	10.0	7.0	8.5	7.5	5.0	6.5	5.0	3.5	4.0
21	12.0	8.5	10.0	10.5	7.0	9.0	7.0	6.0	6.5	4.0	1.5	2.5
22	10.0	8.5	9.0	14.0	10.0	11.5	6.5	5.5	6.0	4.0	2.0	3.0
23	10.5	8.5	9.5	14.0	11.0	12.0	6.5	4.5	5.5	3.5	1.0	2.5
24	9.5	7.5	8.5	13.5	9.0	11.5	6.5	4.0	5.0	3.5	2.5	3.0
25	11.5	7.5	9.0	10.0	8.5	9.0	6.0	4.0	5.0	4.0	2.5	3.0
26	11.5	7.5	9.0	12.0	8.5	10.5	5.5	4.0	5.0	3.5	2.5	3.0
27	10.5	5.5	8.0	10.5	9.0	10.0	5.5	4.0	5.0	4.0	1.5	3.0
28	11.0	4.5	7.0	9.5	8.5	9.0	5.5	3.5	4.0	3.5	2.5	3.0
29	12.5	7.5	9.5	9.0	7.5	8.5	5.0	3.5	4.5	4.0	2.5	3.5
30	14.0	8.5	11.0	8.0	6.5	7.5	6.0	4.5	5.0	3.5	2.0	3.0
31	13.0	9.5	11.0	---	---	---	5.5	4.0	5.0	4.0	2.5	3.5
MONTH	17.5	4.5	10.6	---	---	---	11.0	3.5	6.8	9.0	1.0	4.3

0424014980 SPAFFORD CREEK TRIBUTARY NEAR SAWMILL ROAD, NEAR SPAFFORD, 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	4.0	2.5	3.5	6.5	3.0	4.5	11.5	4.5	7.5	11.0	6.5	8.5
2	3.0	1.0	2.0	5.0	3.0	4.0	8.5	5.5	7.0	12.5	7.0	9.0
3	3.5	3.0	3.0	7.0	3.0	4.0	10.0	6.5	8.0	13.5	6.5	9.5
4	4.0	3.5	3.5	8.5	3.0	5.5	8.5	5.5	7.5	13.0	8.0	10.0
5	4.0	3.0	3.5	7.0	4.0	5.0	6.5	4.5	5.5	12.5	9.0	10.5
6	4.0	2.5	3.5	8.5	4.0	5.5	10.0	4.5	6.5	14.0	9.0	11.0
7	4.0	3.0	3.5	9.0	3.5	5.5	10.5	5.5	7.5	14.5	9.5	11.5
8	4.0	2.0	3.0	11.5	5.0	7.0	9.5	4.5	7.0	13.0	10.0	11.0
9	2.5	1.0	1.5	11.5	5.0	7.5	7.0	3.0	4.5	13.0	10.5	11.5
10	3.5	2.0	3.0	6.0	4.0	4.5	8.5	5.0	6.0	---	10.0	---
11	3.0	2.0	2.5	5.5	4.5	5.0	7.0	5.0	6.0	16.0	9.5	11.5
12	4.5	2.0	3.0	5.5	3.5	4.0	9.5	4.5	6.0	13.5	10.0	11.5
13	3.5	2.0	2.5	9.0	3.5	5.0	11.5	4.5	7.0	15.0	10.0	12.5
14	4.0	3.0	3.5	8.0	4.0	5.5	12.0	4.5	7.5	14.0	9.5	10.5
15	4.5	2.5	3.5	8.5	4.5	6.0	14.0	6.5	9.0	13.5	9.0	10.5
16	3.5	1.5	2.5	6.5	3.5	5.0	10.5	6.5	7.5	14.0	9.0	11.0
17	4.0	1.5	2.5	6.0	3.0	4.0	7.5	6.0	7.0	16.0	10.0	12.0
18	3.0	1.0	2.0	9.0	3.0	5.0	8.0	6.5	7.0	14.5	10.5	11.5
19	3.5	2.5	3.0	9.0	2.0	5.0	10.0	6.5	8.0	11.5	10.0	10.5
20	4.0	3.0	3.5	9.0	3.5	5.5	11.0	6.5	8.0	11.0	10.0	10.5
21	5.5	2.0	3.5	11.0	4.5	6.5	8.5	7.0	8.0	11.5	10.0	10.5
22	6.5	2.0	3.5	11.5	5.0	7.0	9.0	7.0	7.5	13.0	10.0	11.0
23	4.5	2.5	3.5	9.5	4.5	6.5	7.0	6.5	7.0	14.0	10.0	11.5
24	6.5	3.0	4.5	11.5	4.5	7.0	13.0	6.0	8.5	15.0	11.0	12.0
25	6.0	4.0	5.0	11.0	5.5	7.5	13.0	6.0	8.5	13.5	10.0	11.0
26	8.5	3.5	5.5	10.5	5.0	7.0	10.5	6.0	8.0	13.0	9.5	11.0
27	9.5	5.0	6.5	8.5	4.5	6.5	9.0	7.0	7.5	14.5	9.5	11.0
28	6.0	3.5	4.5	9.0	5.0	6.5	13.0	6.5	9.0	14.0	9.5	11.0
29	8.0	3.5	5.0	6.0	5.0	5.5	13.5	6.5	9.0	13.5	9.5	11.0
30	---	---	---	7.5	5.5	6.0	12.5	7.0	9.0	15.5	9.5	12.0
31	---	---	---	10.5	5.0	6.5	---	---	---	16.0	10.0	12.5
MONTH	9.5	1.0	3.4	11.5	2.0	5.7	14.0	3.0	7.4	---	---	---

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	16.0	11.0	12.5	17.5	12.0	14.5	19.0	15.0	16.5	19.5	16.0	17.0
2	14.5	11.0	12.5	17.5	13.0	14.5	18.5	14.5	16.0	20.0	15.0	17.0
3	16.5	11.0	12.5	15.0	13.5	14.0	18.5	14.0	15.5	18.5	15.0	16.5
4	14.5	11.0	12.5	17.5	13.0	14.5	18.5	12.5	15.0	15.5	11.5	14.5
5	13.0	11.0	12.0	18.0	12.5	14.5	18.5	12.0	14.5	17.5	8.5	12.5
6	13.0	12.0	12.5	15.5	11.5	13.5	15.5	12.5	14.0	18.0	9.0	13.0
7	16.0	12.0	13.5	17.0	12.0	14.0	19.0	14.5	16.5	18.0	10.5	13.5
8	16.5	12.0	13.5	17.5	11.5	14.0	18.5	14.0	16.0	17.5	12.5	14.5
9	15.5	12.5	13.5	15.5	12.5	14.0	19.5	14.5	16.5	18.0	14.0	15.5
10	18.0	13.0	14.5	17.0	13.0	14.5	19.5	14.0	16.0	20.5	13.5	16.5
11	17.0	13.5	14.5	18.0	12.0	14.5	17.5	13.5	15.0	19.5	16.5	17.5
12	15.5	13.0	13.5	18.0	11.5	14.5	17.0	13.0	14.5	21.0	16.0	17.5
13	16.5	12.5	13.5	18.0	12.0	14.5	17.5	12.5	15.0	18.0	13.0	16.0
14	18.0	13.0	14.5	17.5	13.0	15.0	17.0	12.5	14.5	17.0	12.0	14.0
15	17.5	12.5	14.0	17.5	14.0	16.0	19.0	12.5	15.5	16.0	12.5	14.0
16	16.5	12.5	14.0	16.5	14.0	15.0	18.0	13.5	15.5	15.0	11.5	13.0
17	15.5	12.0	13.5	17.0	13.5	15.0	18.0	12.5	15.0	16.0	10.5	13.0
18	13.5	12.0	12.5	16.0	13.5	15.0	15.5	11.0	13.5	17.0	12.5	14.0
19	17.0	11.5	13.5	16.5	13.5	14.5	16.5	12.0	14.5	16.0	13.5	14.5
20	17.5	11.5	13.5	18.0	12.0	14.5	17.0	11.0	13.5	18.0	12.5	15.0
21	20.0	12.5	14.5	16.5	13.0	14.0	17.0	9.5	13.0	16.0	12.5	15.0
22	16.5	12.5	14.0	17.0	13.0	14.5	17.5	11.0	14.0	16.5	11.0	13.5
23	17.0	12.5	13.5	18.5	13.0	14.5	17.0	13.5	15.5	15.5	12.0	14.0
24	16.5	11.5	14.0	17.0	12.0	14.0	18.0	13.5	15.5	15.0	11.5	14.0
25	16.0	13.5	14.0	17.0	12.5	14.5	17.5	12.5	14.5	14.5	10.0	11.5
26	16.0	13.0	14.0	17.5	13.5	15.0	17.5	13.0	15.0	15.0	9.5	11.5
27	17.5	13.0	14.5	16.5	13.5	15.0	17.5	13.5	15.0	16.5	9.0	12.5
28	16.5	12.0	14.0	19.0	13.5	15.5	17.5	13.0	15.0	15.0	8.0	11.5
29	17.0	12.5	14.0	17.5	14.0	15.0	18.0	14.0	15.5	15.0	6.5	10.0
30	17.5	13.0	14.5	16.0	14.0	15.0	18.0	14.0	15.5	17.5	9.5	12.5
31	---	---	---	18.5	14.5	16.0	19.5	14.5	16.5	---	---	---
MONTH	20.0	11.0	13.6	19.0	11.5	14.6	19.5	9.5	15.1	21.0	6.5	14.2

0424014980 SPAFFORD CREEK TRIBUTARY NEAR SAWMILL ROAD, NEAR SPAFFORD, NY--Continued

QUANTITY OF PRECIPITATION

PERIOD OF RECORD.--February 1998 to current year.
PERIOD OF DAILY RECORD.--February 1998 to current year.
INSTRUMENTATION.--Tipping bucket rain gage since February 1998. Receiving funnel is heated to facilitate melting of snow. Tips of the rain gage bucket are recorded and accumulated at 15 minute intervals on an electronic data logger.
EXTREMES FOR PERIOD OF RECORD.--Maximum daily precipitation, 2.75 inches, Sep. 16, 1999.
EXTREMES FOR CURRENT YEAR.-- Maximum daily precipitation, 2.09 inches, July 15.

PRECIPITATION, TOTAL, INCHES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	.01	.00	.37	.00	.00	.51	.00
2	.00	.79	.01	.04	.00	.00	.35	.05	.28	.00	.00	.00
3	.02	.01	.01	.55	.00	.00	.90	.05	.00	.07	.00	.00
4	.90	.00	.27	.44	.00	.00	.48	.93	.00	.02	.00	.00
5	.00	.00	.02	.00	.00	.00	.00	.29	.28	.00	.00	.00
6	.01	.00	.12	.00	.00	.00	.03	.16	.85	.00	.19	.00
7	.00	.00	.03	.02	.00	.01	.16	1.11	.00	.00	.93	.00
8	.04	.00	.00	.00	.00	.00	.77	.06	.01	.00	.00	.12
9	.04	.00	.00	.00	.00	.05	.00	.00	.01	.10	.11	.06
10	.01	.49	.16	.57	.00	.00	.00	1.75	.00	.00	.00	.00
11	.07	.00	.00	.23	.05	.16	.04	.08	.24	.00	.14	.00
12	.00	.01	.00	.00	.00	.25	.00	1.15	.02	.00	.00	1.45
13	1.09	.01	.02	.06	.10	.00	.00	1.33	.61	.00	.00	.02
14	.16	.00	.21	.00	.56	.00	.00	.00	.04	.87	.00	.07
15	.00	.00	.26	.00	.00	.08	.00	.00	.01	2.09	.00	.26
16	.00	.00	.05	.00	.01	.14	.00	.00	.00	.00	.07	.02
17	.01	.00	.01	.00	.00	.00	.10	.00	.05	.00	.00	.00
18	.01	.00	.00	.00	.06	.00	.39	.77	.32	.00	.00	.00
19	.00	.00	.00	.00	.08	.00	.01	.17	.00	.00	.00	.00
20	.01	.25	.19	.04	.00	.00	.44	.03	.06	.00	.00	.00
21	.00	.01	.00	.00	.00	.00	.39	.06	1.43	.07	.00	.31
22	.18	.00	.00	.00	.00	.00	.16	.03	.03	.02	.00	.00
23	.13	.00	.00	.00	.00	.00	.01	.04	.00	.00	1.26	.78
24	.11	.03	.00	.00	.01	.00	.00	.75	.00	.00	.08	.09
25	.06	.16	.00	.00	.14	.01	.00	.21	.00	.00	.01	.01
26	.00	1.48	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00
27	.01	.00	.00	.00	.77	.27	.12	.00	.31	.06	.00	.01
28	.00	.00	.00	.00	.16	.40	.00	.00	.00	.00	.00	.04
29	.00	.03	.00	.00	.00	.14	.00	.00	.00	.00	.00	.00
30	.00	.01	.00	.00	---	.05	.01	.00	.00	.09	.00	.00
31	.00	---	.00	.01	---	.00	---	.00	---	.01	.00	---
TOTAL	2.86	3.28	1.36	1.96	1.94	1.57	4.36	9.39	4.55	3.42	3.30	3.24
MAX	1.09	1.48	.27	.57	.77	.40	.90	1.75	1.43	2.09	1.26	1.45

04240180 NINEMILE CREEK NEAR MARIETTA, NY

LOCATION.--Lat 42°55'15", long 76°19'47", Onondaga County, Hydrologic Unit 04140201, on right bank 25 ft upstream from bridge on Schuyler Road, 0.9 mi north of Marietta, and 1.8 mi downstream from Otisco Lake.
DRAINAGE AREA.--45.1 mi^2.
PERIOD OF RECORD.--Occasional low-flow measurements, water years 1955, 1963. June 1964 to current year.
REVISED RECORDS.--WRD NY 1971: 1966(M), 1968, 1969. WDR NY-82-3: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 748.25 ft above sea level.
REMARKS.--Records fair except those for estimated daily discharges, which are poor. Flow regulated by Otisco Lake from which water is diverted by the Onondaga County Water Authority for water supply. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,030 ft^3/s, June 23, 1972, gage height, 8.65 ft; minimum discharge, 0.58 ft^3/s, July 16, 17, 18, 19, 20, 1999.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 572 ft^3/s, May 13, gage height, 6.59 ft; 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	2.4	e2.3	e4.5	3.5	e4.2	206	77	58	47	32	e12	e7.2
2	2.2	e2.4	e4.0	5.0	e4.0	203	76	55	43	27	e12	e7.2
3	2.0	e3.4	e5.5	12	e4.0	195	87	54	46	24	e10	e7.2
4	5.1	e2.7	e10	51	e4.0	184	248	49	44	22	e9.4	e7.2
5	2.9	e2.3	e9.0	27	e4.0	175	300	44	42	19	e9.5	e7.2
6	2.4	e2.2	e7.0	11	e4.0	164	272	46	50	16	e9.5	e7.0
7	2.3	e2.2	e5.0	7.2	e3.8	154	241	44	55	13	e12	e6.8
8	2.1	e2.3	e4.5	4.4	e3.8	121	243	42	54	12	e10	e6.8
9	2.3	e2.3	e4.2	4.0	e24	82	274	40	51	11	e9.0	e7.0
10	2.3	e2.4	e4.0	9.4	56	80	257	52	48	10	e9.4	e7.0
11	e2.3	e2.7	e4.5	22	53	79	238	88	46	9.6	e9.0	e7.0
12	e2.3	e2.4	e4.0	14	49	88	220	174	52	9.3	e8.5	e9.2
13	e4.0	e2.3	e3.7	9.1	48	87	207	466	78	9.1	e8.5	e10
14	20	e2.2	e3.5	5.5	50	85	195	451	87	9.6	e8.1	e7.0
15	e7.0	e2.2	e10	4.6	48	83	183	410	e80	e15	e7.5	e10
16	e3.0	e2.2	e10	4.9	47	83	168	360	e65	e20	6.9	e8.5
17	e2.6	e2.1	e5.4	3.9	46	87	136	283	51	e16	7.1	e7.2
18	e2.4	e2.1	e4.2	3.8	46	84	122	235	47	e13	7.0	e7.0
19	e2.4	e2.0	e3.4	3.9	46	85	121	229	44	e11	7.0	e7.0
20	e2.3	e2.0	e3.4	4.3	45	83	130	213	39	e10	7.1	e6.8
21	e2.3	e2.3	e5.0	4.1	45	79	187	196	50	e13	6.9	e8.0
22	e2.3	e2.5	e4.4	e4.0	73	63	192	182	58	e13	7.0	e7.4
23	e2.6	e2.6	e4.0	e4.0	116	37	188	169	55	e10	12	e18
24	e3.0	e2.6	e3.6	e4.0	123	39	181	164	e46	e9.5	8.0	e15
25	e2.7	e2.6	e3.5	e4.0	154	44	170	130	e42	e9.0	7.0	e11
26	e2.4	e31	e3.6	e4.4	180	45	159	87	e40	e9.2	7.0	e9.0
27	e2.4	e30	e4.0	e4.2	195	48	125	82	50	e9.2	7.0	e8.0
28	e2.3	e11	e3.6	e4.0	228	65	81	78	47	e9.0	6.9	e7.6
29	e2.3	e8.0	e3.8	e4.0	208	72	70	73	42	e8.8	7.1	e7.6
30	e2.3	e6.5	e3.8	e4.0	---	77	67	68	37	e8.8	e7.2	e7.4
31	e2.2	---	3.8	e4.2	---	79	---	63	---	e9.4	e7.2	---
TOTAL	101.1	145.8	152.9	255.4	1911.8	3056	5215	4685	1536	417.5	262.8	249.3
MEAN	3.26	4.86	4.93	8.24	65.9	98.6	174	151	51.2	13.5	8.48	8.31
MAX	20	31	10	51	228	206	300	466	87	32	12	18
MIN	2.0	2.0	3.4	3.5	3.8	37	67	40	37	8.8	6.9	6.8

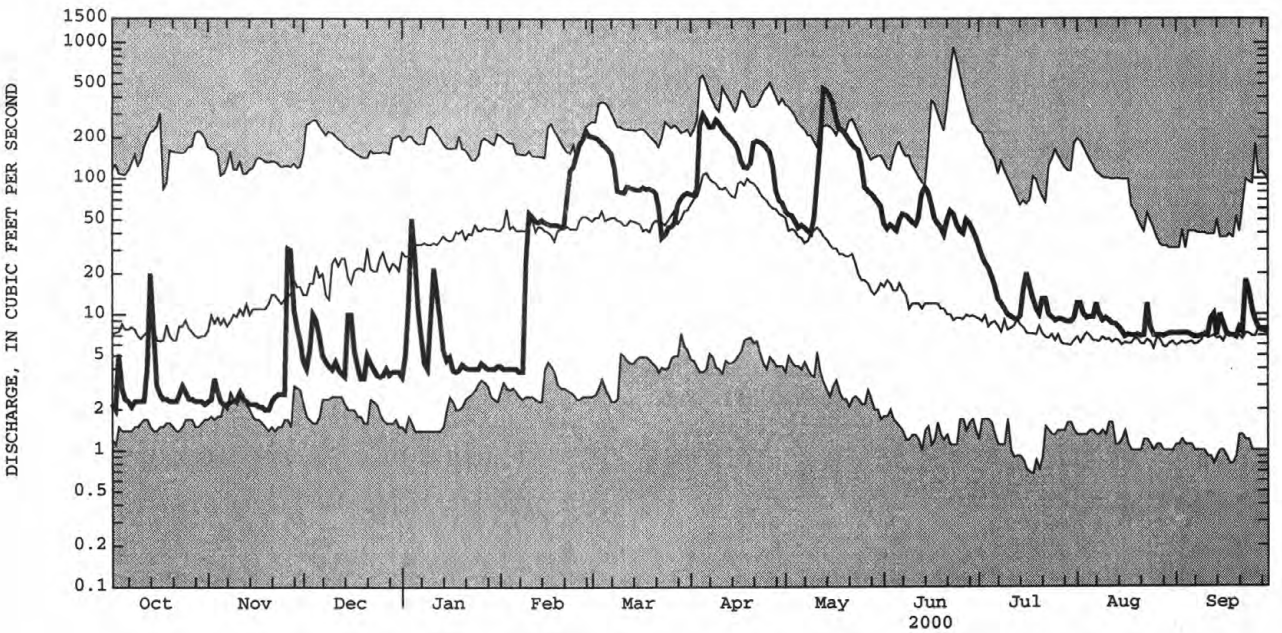
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	21.3	29.9	43.0	51.4	53.8	66.2	99.9	50.6	28.4	17.1	11.0	11.3
MAX	147	125	160	157	143	180	352	151	278	74.0	76.2	36.2
(WY)	1978	1978	1997	1973	1990	1998	1993	2000	1972	1972	1992	1989
MIN	1.52	2.47	2.90	2.75	3.10	5.23	5.80	3.24	1.45	1.65	1.28	1.16
(WY)	1967	1967	1999	1981	1967	1965	1965	1965	1999	1981	1966	1966

e Estimated

04240180 NINEMILE CREEK NEAR MARIETTA, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1964 - 2000	
ANNUAL TOTAL	6947.90		17988.6			
ANNUAL MEAN	19.0		49.1		40.3	
HIGHEST ANNUAL MEAN					76.3	1976
LOWEST ANNUAL MEAN					3.95	1965
HIGHEST DAILY MEAN	156	Mar 25	466	May 13	931	Jun 23 1972
LOWEST DAILY MEAN	.67	Jul 18	2.0	Oct 3	.67	Jul 18 1999
ANNUAL SEVEN-DAY MINIMUM	.77	Jul 15	2.1	Nov 14	.77	Jul 15 1999
10 PERCENT EXCEEDS	80		171		107	
50 PERCENT EXCEEDS	3.3		10		15	
90 PERCENT EXCEEDS	1.4		2.4		3.2	



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.

04240300 NINEMILE CREEK AT LAKELAND, NY

LOCATION.--Lat 43°04'51", long 76°13'36", Onondaga County, Hydrologic Unit 04140201, on left bank 30 ft downstream from bridge on State Highway 48, 0.6 mi downstream from Geddes Brook, and 0.7 mi upstream from mouth.
DRAINAGE AREA.--115 mi^2.
PERIOD OF RECORD.--Occasional measurements, water years 1959-70. November 1970 to September 1973, July 1975 to current year.
REVISED RECORDS.--WDR NY-83-3: 1972 (M), 1976 (M), 1979 (M), 1982 (M). WRD NY 1997: 1976, 1977, 1978, 1979, 1980, 1981.
GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 360.67 ft above sea level.
REMARKS.--Records fair except those for estimated daily discharges, which are poor. Flow regulated by Otisco Lake from which water is diverted by Onondaga County Water Authority for water supply. Flow affected by backwater from Onondaga Lake whenever lake level exceeds about 362 ft msl. High lake levels affected the entire 2000 water year. Estimated water-discharge data is based on records for Ninemile Creek at Camillus (04240200) (not published) and Onondaga Lake at Liverpool (04240495). Telephone and satellite gage-height telemeters at station. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 2,110 ft^3/s, June 23, 1972; maximum gage height, 9.63 ft, Apr. 27, 1993, (backwater from Onondaga Lake); minimum daily discharge, about 13 ft^3/s, Aug. 18, 1985; maximum and minimum instantaneous discharge not determined.
EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 951 ft^3/s, Feb. 28; maximum gage height, 6.53 ft, May 13, (backwater from Onondaga Lake); minimum daily discharge, 34 ft^3/s, Oct. 9. Maximum and minimum 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	48	36	95	74	80	444	183	188	177	118	97	e59
2	39	40	89	69	85	404	178	199	171	111	100	e58
3	40	53	88	95	93	383	201	182	210	112	83	e59
4	79	48	135	244	88	353	479	168	163	114	74	e60
5	57	43	140	229	90	343	628	156	150	108	71	e60
6	44	44	122	132	88	319	502	159	187	105	69	61
7	39	45	110	106	90	290	426	151	202	101	89	60
8	36	42	100	93	116	275	457	149	172	91	80	58
9	34	41	91	88	98	216	705	145	159	88	73	60
10	38	44	84	98	105	212	554	161	151	90	68	58
11	36	49	89	129	128	201	479	208	155	87	73	e58
12	35	46	83	121	133	248	454	286	166	81	69	e70
13	40	63	81	106	128	233	417	873	300	80	67	e110
14	122	62	78	91	130	216	376	881	495	89	65	e64
15	87	48	94	97	138	207	343	665	298	216	66	e74
16	59	47	109	92	138	217	317	590	237	248	71	e70
17	51	49	97	83	132	248	299	493	184	170	61	e60
18	55	47	93	95	127	224	307	424	164	128	64	e58
19	56	45	90	108	129	218	302	575	163	106	63	e58
20	44	46	80	86	126	238	281	445	144	94	64	e56
21	39	53	88	90	126	219	443	389	224	129	63	e65
22	40	48	84	84	128	199	536	356	375	124	63	e60
23	42	46	82	94	233	162	470	329	223	98	134	e120
24	49	43	83	87	349	148	408	350	180	90	92	e110
25	46	43	80	87	585	140	364	365	162	87	e68	e90
26	42	144	68	81	726	139	351	281	157	84	e64	e80
27	43	297	71	84	831	134	337	243	168	82	e60	e75
28	38	153	79	84	951	219	263	222	152	83	e62	e70
29	38	111	80	99	617	230	219	208	141	77	e60	e65
30	37	105	72	89	---	e210	202	196	130	79	e60	e65
31	37	---	76	83	---	e200	---	185	---	79	e60	---
TOTAL	1490	1981	2811	3198	6788	7489	11481	10222	5960	3349	2253	2071
MEAN	48.1	66.0	90.7	103	234	242	383	330	199	108	72.7	69.0
MAX	122	297	140	244	951	444	705	881	495	248	134	120
MIN	34	36	68	69	80	134	178	145	130	77	60	56

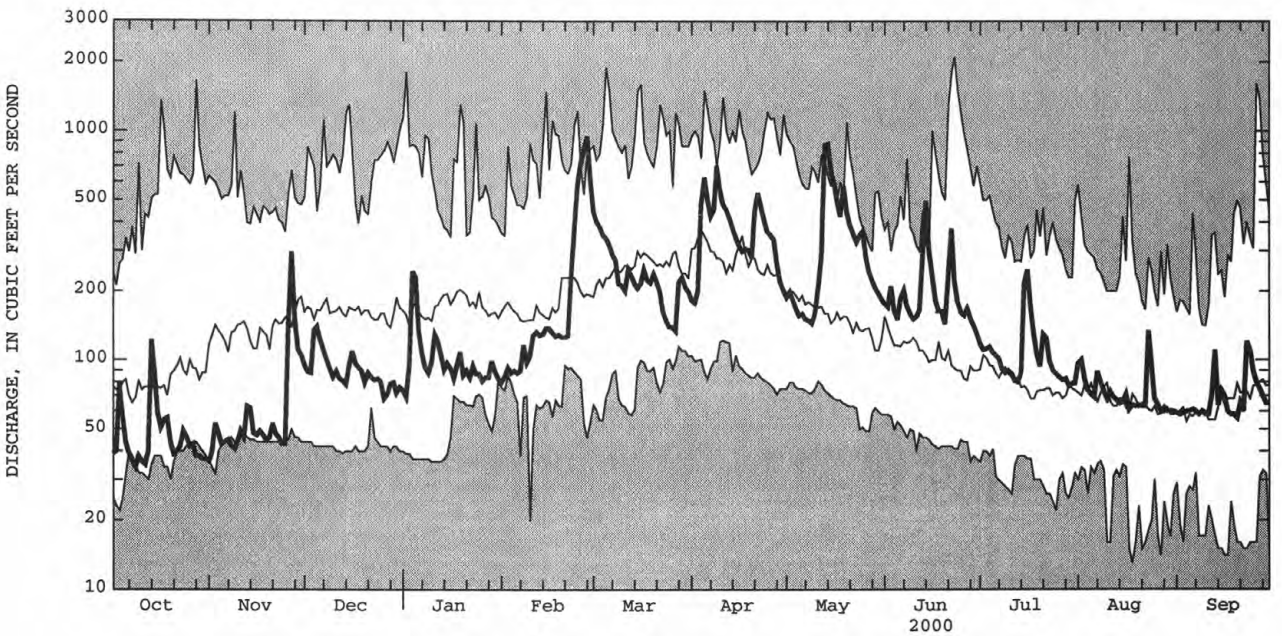
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	121	165	207	206	225	312	338	208	146	104	87.2	91.6
MAX	506	439	623	492	549	586	807	385	676	289	216	308
(WY)	1978	1978	1973	1973	1990	1979	1993	1983	1972	1972	1992	1975
MIN	40.9	45.0	42.7	81.8	86.0	112	100	69.1	47.7	40.5	28.6	33.0
(WY)	1998	1999	1999	1984	1989	1983	1995	1995	1999	1999	1985	1985

e Estimated

04240300 NINEMILE CREEK AT LAKELAND, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1971 - 2000	
ANNUAL TOTAL	35799		59093			
ANNUAL MEAN	98.1		161		180	
HIGHEST ANNUAL MEAN					310	1973
LOWEST ANNUAL MEAN					91.2	1995
HIGHEST DAILY MEAN	1080	Jan 24	951	Feb 28	2110	Jun 23 1972
LOWEST DAILY MEAN	27	Sep 6	34	Oct 9	13	Aug 18 1985
ANNUAL SEVEN-DAY MINIMUM	28	Aug 31	37	Oct 7	16	Sep 20 1985
10 PERCENT EXCEEDS	220		358		370	
50 PERCENT EXCEEDS	60		98		131	
90 PERCENT EXCEEDS	35		47		51	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.

SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04240495 ONONDAGA LAKE AT LIVERPOOL, NY

LOCATION.--Lat 43°06'01", long 76°12'34", Onondaga County, Hydrologic Unit 04140201, on north shore of Onondaga Lake at Onondaga Park Marina basin, 200 ft southwest of Onondaga Lake Parkway, and 1.9 mi upstream from outlet of lake.
DRAINAGE AREA.--285 mi^2.
PERIOD OF RECORD.--October 1970 to current year. Elevation records, at Barge Canal datum, since February 1927 collected by, and in files of, New York State Department of Transportation at Syracuse.
GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. To convert elevations to adjustment of 1988, subtract 0.59 ft.
REMARKS.--Lake elevation regulated by operation of Erie (Barge) Canal. Area of water surface, 4.60 mi^2. Telephone and satellite gage-height telemeters at station.
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 369.78 ft, Apr. 26, 27, 1993; minimum, 361.54 ft, Mar. 13, 1978.
EXTREMES FOR CURRENT YEAR.--Maximum elevation, 365.44 ft, Feb. 28; minimum, 362.70 ft, July 28.

ELEVATION (FEET ABOVE SEA LEVEL), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	363.02	363.02	363.66	363.13	363.11	365.18	363.03	363.74	363.62	363.75	362.91	362.99
2	363.05	363.04	363.60	363.16	363.10	365.00	363.10	363.99	363.71	363.69	363.20	362.98
3	363.00	362.99	363.59	363.23	363.11	364.74	363.24	363.99	363.79	363.66	363.54	362.99
4	363.14	363.01	363.64	363.32	363.11	364.36	363.69	364.00	363.74	363.42	363.58	362.99
5	363.24	363.01	363.68	363.43	363.09	364.21	363.95	363.89	363.65	363.20	363.44	362.95
6	363.25	362.98	363.70	363.44	363.07	364.14	363.95	363.55	363.69	362.94	363.26	362.93
7	363.22	362.99	363.67	363.36	363.07	364.06	363.95	363.32	363.74	362.87	363.25	362.95
8	363.16	363.02	363.63	363.34	363.05	363.99	363.97	363.05	363.79	363.03	363.27	362.93
9	363.27	362.95	363.54	363.34	363.05	363.92	364.32	363.01	363.77	363.11	363.27	362.98
10	363.30	362.97	363.53	363.32	363.07	363.96	364.31	363.30	363.53	363.07	363.32	362.93
11	363.26	363.02	363.50	363.40	363.14	363.89	364.12	363.62	363.11	363.01	363.37	362.95
12	363.25	363.01	363.53	363.46	363.15	363.97	364.13	363.81	362.91	363.07	363.39	363.05
13	363.21	363.08	363.48	363.47	363.05	363.98	364.16	364.15	363.10	363.05	363.36	363.20
14	363.39	363.00	363.46	363.41	363.14	363.92	364.30	364.69	364.00	363.05	363.38	363.12
15	363.37	363.04	363.52	363.39	363.11	363.90	364.29	365.07	364.16	363.20	363.35	363.18
16	363.40	363.03	363.52	363.41	363.13	363.91	364.22	365.36	363.94	363.22	363.33	363.19
17	363.39	363.06	363.57	363.43	363.20	364.00	364.14	365.31	363.76	363.30	363.25	363.16
18	363.37	363.03	363.61	363.37	363.16	363.95	364.14	365.11	363.81	363.30	363.16	363.14
19	363.29	363.01	363.60	363.36	363.19	363.88	364.07	365.02	363.79	363.25	363.15	362.95
20	363.20	363.04	363.60	363.22	363.18	363.89	364.06	364.82	363.79	363.15	363.16	362.99
21	363.27	363.09	363.56	363.19	363.21	363.90	364.29	364.61	363.87	363.13	363.07	363.01
22	363.23	363.08	363.52	363.18	363.22	363.85	364.42	364.46	364.12	363.14	362.96	363.08
23	363.06	363.18	363.45	363.20	363.33	363.78	364.42	364.34	364.18	363.12	363.21	363.14
24	363.17	363.23	363.45	363.17	363.61	363.79	364.48	364.30	364.10	363.07	363.09	363.16
25	363.16	363.19	363.46	363.11	363.90	363.87	364.58	364.33	364.01	362.97	363.09	363.19
26	362.99	363.30	363.44	363.00	364.30	363.79	364.49	364.22	363.91	362.89	363.07	363.20
27	362.99	363.62	363.44	363.09	364.85	363.71	364.35	364.16	363.91	362.84	363.03	363.16
28	363.02	363.59	363.34	363.23	365.36	363.68	364.19	364.07	363.84	362.77	362.99	363.06
29	363.06	363.63	363.15	363.11	365.33	363.44	363.97	363.98	363.82	362.92	362.94	363.01
30	362.97	363.69	363.01	363.13	---	363.38	363.80	363.85	363.82	362.92	362.95	363.09
31	362.99	---	363.11	363.13	---	363.17	---	363.70	---	362.88	362.95	---
MEAN	363.18	363.13	363.50	363.28	363.43	363.97	364.07	364.16	363.77	363.13	363.20	363.06
MAX	363.40	363.69	363.70	363.47	365.36	365.18	364.58	365.36	364.18	363.75	363.58	363.20
MIN	362.97	362.95	363.01	363.00	363.05	363.17	363.03	363.01	362.91	362.77	362.91	362.93

CAL YR 1999 MEAN 363.27 MAX 364.61 MIN 362.63
WTR YR 2000 MEAN 363.49 MAX 365.36 MIN 362.77

04243500 ONEIDA CREEK AT ONEIDA, NY

LOCATION.--Lat 43°05'51", long 75°38'22", Oneida County, Hydrologic Unit 04140202, on right bank 70 ft upstream from bridge on Sconondoa Street at Oneida, and 500 ft downstream from Sconondoa Creek.
DRAINAGE AREA.--113 mi^2.
PERIOD OF RECORD.--October 1949 to current year.
REVISED RECORDS.--WSP 2112: Drainage area. WDR NY-78-1: 1951, 1956, 1958, 1961, 1963, 1964, 1972, 1976 (P). WDR NY-83-3: 1950 (M), 1977 (M), 1979 (M).
GAGE.--Water-stage recorder. Datum of gage is 409.33 ft above sea level.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Occasional regulation by small mills upstream from station. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,110 ft^3/s, Oct. 9, 1976, gage height, 15.01 ft; minimum discharge, 9.5 ft^3/s, Sep. 6, 7, 1999; minimum gage height, 1.30 ft, Aug. 3, 6, 1955, Aug. 17, 1964.
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)
Feb. 28	1000	3,270	10.82	May 14	0300	*4,730	*12.56
May 11	0430	2,450	9.32	June 14	0230	1,980	8.28

Minimum discharge, 30 ft^3/s, Sep. 8, gage height, 1.80 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	42	114	60	e58	593	225	155	168	117	102	38
2	40	46	95	63	e56	512	202	201	374	102	267	38
3	40	97	93	152	e56	405	285	159	483	104	94	38
4	118	66	129	667	e56	332	855	137	222	119	73	42
5	95	55	173	446	e52	302	792	127	186	100	64	39
6	65	50	155	208	e50	252	481	127	299	86	61	35
7	57	47	140	160	e50	219	356	112	405	82	88	34
8	50	45	124	135	e50	224	446	103	231	77	74	32
9	55	44	104	121	e60	230	972	98	186	74	65	179
10	56	46	99	229	e60	250	614	424	161	80	58	88
11	59	62	127	638	e80	204	563	1400	142	72	56	55
12	51	54	96	357	e90	388	530	600	167	69	139	65
13	50	50	88	243	e70	265	443	1890	501	66	107	291
14	201	49	89	e190	e130	220	425	2510	1040	67	72	101
15	136	50	139	e150	e230	199	405	737	433	159	64	187
16	92	54	183	e130	e180	196	337	498	292	162	69	115
17	74	53	140	e120	e130	233	287	376	231	125	58	81
18	69	50	111	e120	e140	194	295	478	207	116	51	66
19	64	56	e64	e110	e160	204	273	700	214	91	49	59
20	57	62	e76	e100	e150	250	239	504	171	80	45	55
21	54	72	161	e95	e140	220	522	396	227	75	42	56
22	50	67	116	e90	e130	181	589	358	504	89	40	54
23	52	62	e74	e85	e280	162	508	377	260	75	113	89
24	57	58	e72	e80	e800	147	383	630	190	69	97	95
25	62	55	e70	e80	e1100	138	293	589	159	66	63	76
26	50	122	e76	e75	1260	130	245	435	154	63	55	64
27	50	394	e74	e70	1460	120	233	330	156	64	50	58
28	47	198	e72	e70	2370	636	226	271	130	64	47	54
29	45	160	e66	e65	936	482	190	237	150	60	44	51
30	44	147	e62	e65	---	376	167	207	166	75	41	49
31	43	---	e60	e60	---	283	---	181	---	73	39	---
TOTAL	2031	2413	3242	5234	10384	8547	12381	15347	8209	2721	2287	2284
MEAN	65.5	80.4	105	169	358	276	413	495	274	87.8	73.8	76.1
MAX	201	394	183	667	2370	636	972	2510	1040	162	267	291
MIN	40	42	60	60	50	120	167	98	130	60	39	32
CFSM	.58	.71	.93	1.49	3.17	2.44	3.65	4.38	2.42	.78	.65	.67
IN.	.67	.79	1.07	1.72	3.42	2.81	4.08	5.05	2.70	.90	.75	.75

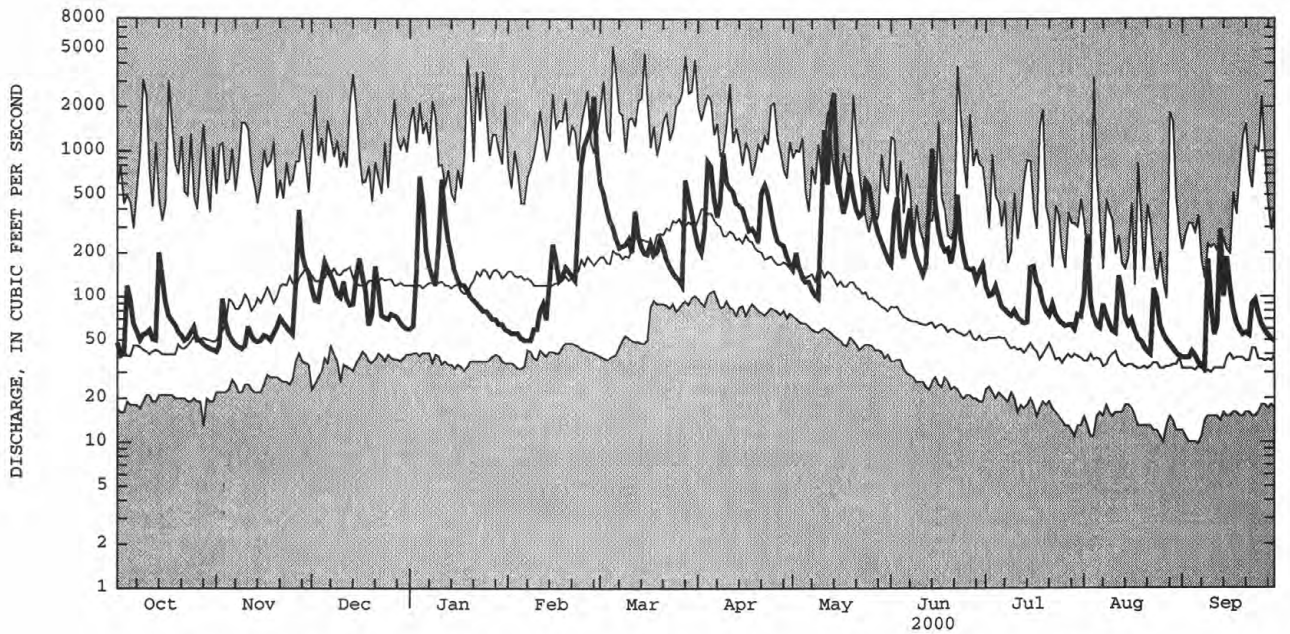
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	85.6	150	189	197	221	366	339	169	102	65.9	52.3	60.8
MAX	472	382	481	452	589	781	915	495	539	225	253	297
(WY)	1978	1973	1974	1998	1976	1977	1993	2000	1972	1951	1976	1977
MIN	21.5	30.5	39.6	38.9	50.5	131	109	61.0	28.4	23.2	14.8	18.0
(WY)	1964	1965	1961	1981	1980	1981	1981	1995	1999	1962	1999	1964

e Estimated

04243500 ONEIDA CREEK AT ONEIDA, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1950 - 2000	
ANNUAL TOTAL	42218.8		75080			
ANNUAL MEAN	116		205		166	
HIGHEST ANNUAL MEAN					284	1976
LOWEST ANNUAL MEAN					89.7	1988
HIGHEST DAILY MEAN	3500	Jan 24	2510	May 14	5210	Mar 5 1979
LOWEST DAILY MEAN	9.8	Sep 6	32	Sep 8	9.8	Sep 6 1999
ANNUAL SEVEN-DAY MINIMUM	11	Sep 1	37	Sep 2	11	Sep 1 1999
ANNUAL RUNOFF (CFSM)	1.02		1.82		1.47	
ANNUAL RUNOFF (INCHES)	13.90		24.72		19.97	
10 PERCENT EXCEEDS	248		479		359	
50 PERCENT EXCEEDS	65		114		94	
90 PERCENT EXCEEDS	16		50		29	



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

04245236 MEADOW BROOK AT HURLBURT ROAD, SYRACUSE, NY

LOCATION.--Lat 43°02'30", long 76°06'02", Onondaga County, Hydrologic Unit 04140202, on right bank 170 ft downstream from culvert at intersection of Hurlburt Road and Meadowbrook Drive, and 2.3 mi upstream from mouth.
DRAINAGE AREA.--2.90 mi^2.
PERIOD OF RECORD.--December 1970 to March 1973, April 1973 to September 1978 (annual maximum only), October 1978 to current year.
REVISED RECORDS.--WDR NY-75-1: 1974 (M). WDR NY-78-1: 1977 (M). WDR-NY-90-3: 1971-89 (P).
GAGE.--Water-stage recorder, crest-stage gage, and concrete control. Datum of gage is 511.50 ft above sea level.
REMARKS.--Records fair. Flow includes storm sewer inflow, some originating outside the basin. Several measurements of water temperature were made during the year.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 402 ft^3/s, Aug. 28, 1990, gage height 6.36 ft, from rating curve extended above 47 ft^3/s on basis of computation of peak flow through culvert at gage heights 5.31 ft and 6.51 ft; minimum discharge, 0.02 ft^3/s, Sep. 11, 1972, Aug. 24, 1990.
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)
May 13	0215	122	3.27	Aug. 1	1900	155	3.70
June 21	1700	136	3.46	Aug. 23	0815	*173	*3.92

Minimum discharge, 0.53 ft^3/s, Feb. 17, result of freeze-up, May 1, result of regulation.

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	1.5	1.5	1.2	1.2	2.6	1.9	2.9	2.2	1.6	13	.88
2	.86	2.3	1.3	1.4	1.2	2.7	2.4	3.1	6.9	1.7	3.5	.92
3	.86	1.7	1.6	4.1	1.1	2.7	6.2	2.5	3.0	3.7	1.2	.92
4	6.4	1.6	2.6	7.6	1.1	2.2	22	2.7	2.3	1.8	1.1	.93
5	1.3	1.4	1.7	2.0	1.1	2.0	4.9	4.5	2.5	1.5	1.2	.93
6	1.1	1.2	1.8	2.1	1.1	1.9	3.4	2.8	4.9	1.5	1.2	.93
7	.99	1.4	1.8	3.1	1.1	1.8	3.1	2.5	3.1	1.5	4.1	.93
8	.96	1.9	1.3	1.4	1.1	1.8	13	2.5	2.1	1.4	1.6	1.0
9	1.1	1.4	1.4	1.3	1.2	2.1	8.7	2.4	2.1	1.6	1.8	.97
10	1.1	2.1	1.5	3.4	1.3	1.8	4.2	16	2.1	1.5	1.2	.87
11	1.0	1.5	1.5	2.3	2.2	1.7	4.1	5.3	4.3	1.3	2.5	.89
12	.95	1.3	1.2	2.0	1.4	4.6	3.9	9.3	2.9	1.3	2.1	6.5
13	6.8	.98	1.2	1.5	1.2	1.9	3.2	43	22	1.3	1.8	6.4
14	6.0	.75	1.5	e1.5	1.8	1.7	3.0	8.6	5.5	1.6	1.2	1.4
15	2.0	.93	3.0	e1.4	1.5	1.7	2.8	3.9	2.4	15	1.2	4.4
16	1.2	.94	1.8	1.4	1.5	3.1	2.6	3.3	2.4	5.7	1.3	1.4
17	1.2	.93	1.6	1.4	1.3	3.3	2.8	3.0	2.0	1.7	1.2	1.1
18	1.2	1.0	1.5	1.3	1.3	2.3	4.7	10	2.0	1.4	1.3	1.0
19	1.3	1.3	1.2	e1.3	2.0	2.3	2.8	5.1	1.8	1.4	1.3	.95
20	1.2	2.4	1.3	e1.3	1.3	2.2	3.7	3.6	1.6	1.3	1.2	1.0
21	1.2	1.6	1.3	e1.3	1.4	2.0	11	3.1	11	2.0	1.1	2.5
22	1.3	1.2	1.2	1.3	2.5	1.9	6.5	3.1	3.8	e1.4	1.1	1.2
23	1.3	1.2	1.1	e1.3	8.5	1.8	4.2	3.0	1.6	e1.4	14	6.3
24	1.6	1.2	1.2	1.2	7.4	1.7	3.3	7.5	1.4	e1.3	1.5	1.9
25	1.2	1.2	1.2	e1.2	11	1.9	2.9	4.0	1.8	e1.3	.93	1.3
26	1.2	14	1.2	e1.2	6.7	1.7	2.7	3.0	1.5	e1.3	.93	2.1
27	1.2	5.0	1.2	1.2	8.5	2.3	2.9	2.5	3.8	e1.3	.87	2.8
28	1.1	1.5	1.2	1.3	9.6	8.8	2.7	2.4	1.5	e1.2	.86	2.2
29	1.2	2.2	2.2	1.3	3.0	3.1	2.5	2.4	1.5	e1.2	.90	1.2
30	1.3	2.3	3.2	1.2	---	2.4	2.4	2.3	1.5	e1.3	.82	1.1
31	1.2	---	1.9	1.3	---	2.0	---	2.2	---	e2.5	.86	---
TOTAL	52.27	59.93	49.2	56.8	85.6	76.0	144.5	172.5	107.5	66.0	68.87	56.92
MEAN	1.69	2.00	1.59	1.83	2.95	2.45	4.82	5.56	3.58	2.13	2.22	1.90
MAX	6.8	14	3.2	7.6	11	8.8	22	43	22	15	14	6.5
MIN	.86	.75	1.1	1.2	1.1	1.7	1.9	2.2	1.4	1.2	.82	.87

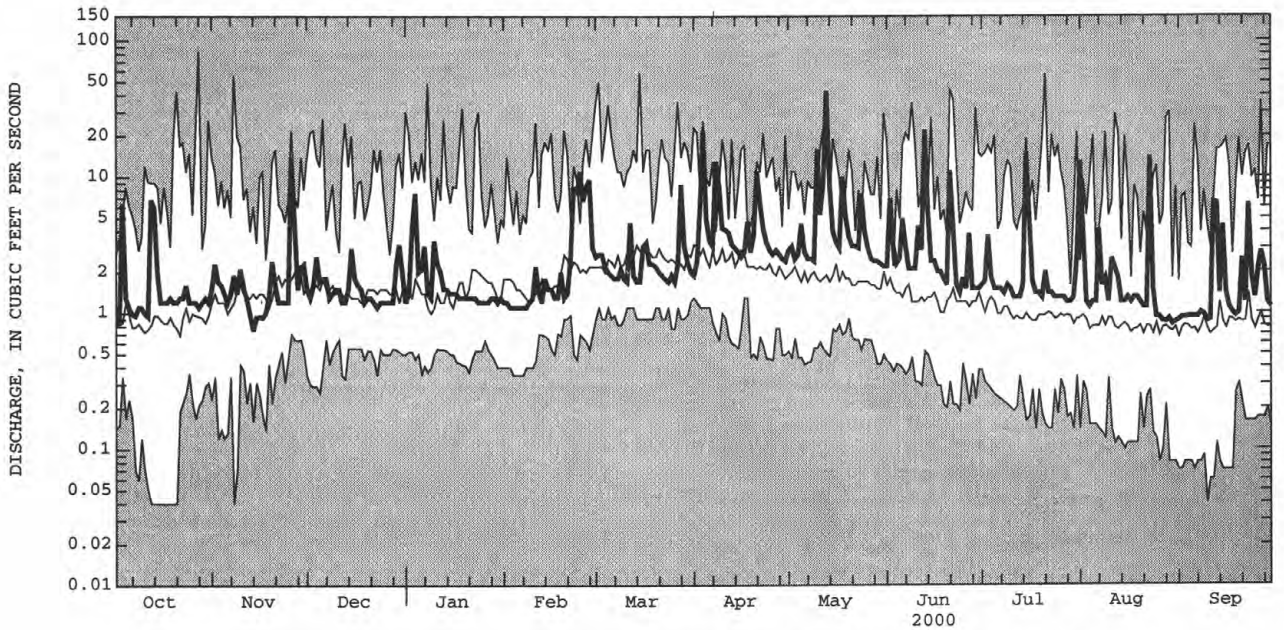
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1.61	2.05	2.14	2.19	2.47	3.70	3.18	2.61	2.25	1.81	1.41	1.62
MAX	4.73	4.46	4.66	5.56	4.38	6.93	7.51	5.56	6.12	5.04	5.16	3.03
(WY)	1982	1997	1991	1998	1990	1972	1993	2000	1972	1988	1990	1989
MIN	.19	.71	1.04	.67	1.12	1.38	1.34	1.08	.86	.48	.32	.31
(WY)	1972	1979	1971	1981	1993	1981	1981	1971	1981	1980	1971	1971

e Estimated

04245236 MEADOW BROOK AT HURLBURT ROAD, SYRACUSE, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1971 - 2000	
ANNUAL TOTAL	668.56		996.09			
ANNUAL MEAN	1.83		2.72		2.27	
HIGHEST ANNUAL MEAN					3.27	1990
LOWEST ANNUAL MEAN					1.27	1981
HIGHEST DAILY MEAN	30	Jan 24	43	May 13	84	Oct 28 1981
LOWEST DAILY MEAN	.60	Sep 5	.75	Nov 14	.04	Oct 13 1971
ANNUAL SEVEN-DAY MINIMUM	.69	Aug 31	.87	Aug 27	.04	Oct 13 1971
10 PERCENT EXCEEDS	2.9		5.2		4.1	
50 PERCENT EXCEEDS	1.3		1.6		1.4	
90 PERCENT EXCEEDS	.81		1.1		.52	



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

04246000 ONEIDA LAKE AT BREWERTON, NY

LOCATION.--Lat 43°14'25", long 76°08'30", Onondaga County, Hydrologic Unit 04140202, at west end of Oneida Lake, 100 ft west of bridge on U.S. Highway 11, at Brewerton.
DRAINAGE AREA.--1,382 mi^2, at dam at Caughdenoy.
PERIOD OF RECORD.--November 1951 to current year. April 1904 to September 1925 in reports of State Engineer and Surveyor, published as "Oneida River at Brewerton."
REVISED RECORDS.--WSP 2112: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is sea level (1.01 ft Barge Canal datum). November 1951 to September 1975, at datum 360.99 ft higher.
REMARKS.--Lake elevation regulated by taintor-gate dam on Oneida River at Caughdenoy and gates on Oneida Canal and Erie (Barge) Canal. Lake volume at elevation 369 ft sea level, 1.135 million acre-ft. Area of water surface, 79.8 mi^2; axes, 20.9 mi by 5.5 mi; shoreline length, 54.7 mi.
EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 373.14 ft, Apr. 24,1993; minimum daily, 366.12 ft, Feb. 11, 1984.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 29, 1936, reached a water surface elevation of 373.5 ft, from Corps of Engineers report "Flood Plain Information, Oneida Creek, New York."
EXTREMES FOR CURRENT YEAR.--Maximum elevation, 371.39 ft, May 15, 16; minimum, 366.97 ft, Feb. 24.

ELEVATION (FEET ABOVE SEA LEVEL), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	369.48	369.54	369.72	367.73	367.47	369.12	369.21	369.48	369.91	369.88	369.85	369.80
2	369.56	369.64	369.67	367.69	367.43	369.24	369.24	369.49	369.80	369.88	369.93	369.77
3	369.55	369.41	369.56	367.67	367.41	369.31	369.30	369.65	369.73	369.91	369.91	369.78
4	369.62	369.39	369.43	367.72	367.36	369.34	369.47	369.72	369.72	369.90	369.86	369.78
5	369.62	369.53	369.36	367.91	367.32	369.30	369.64	369.78	369.73	369.89	369.82	369.76
6	369.55	369.39	369.27	368.14	367.28	369.27	369.94	369.84	369.67	369.91	369.90	369.79
7	369.59	369.42	369.16	368.02	367.25	369.22	369.98	369.88	369.57	369.87	369.87	369.77
8	369.62	369.50	369.15	368.11	367.22	369.17	369.99	369.99	369.60	369.87	369.88	369.76
9	369.53	369.49	369.10	368.11	367.18	369.12	369.88	370.00	369.54	369.90	369.88	369.82
10	369.61	369.43	368.89	368.20	367.14	369.15	370.14	370.12	369.52	369.84	369.90	369.91
11	369.54	369.45	368.66	368.06	367.12	369.22	370.31	370.37	369.52	369.87	369.90	369.90
12	369.61	369.49	368.87	368.23	367.10	369.19	370.19	370.71	369.55	369.88	369.95	369.87
13	369.62	369.46	368.79	368.33	367.08	369.23	370.22	370.85	369.83	369.90	369.97	369.90
14	369.57	369.30	368.82	368.33	367.09	369.19	370.19	371.13	369.96	369.92	369.98	369.95
15	369.77	369.29	368.78	368.30	367.10	369.15	370.09	371.29	369.87	370.12	369.98	369.85
16	369.78	369.25	368.51	368.23	367.09	369.06	369.98	371.34	369.86	370.09	369.84	369.76
17	369.72	369.32	368.43	368.19	367.08	369.03	370.01	371.27	369.87	370.02	369.94	369.72
18	369.67	369.38	368.47	368.13	367.08	369.11	370.04	371.10	369.89	369.86	369.98	369.73
19	369.69	369.39	368.53	368.07	367.07	369.14	369.81	371.12	369.91	369.84	369.91	369.75
20	369.58	369.35	368.52	368.02	367.05	369.00	369.74	371.07	369.91	369.78	369.89	369.73
21	369.52	369.38	368.21	367.97	367.05	368.89	369.88	370.85	369.93	369.76	369.86	369.60
22	369.53	369.38	368.21	367.93	367.03	368.80	369.75	370.75	369.93	369.66	369.87	369.67
23	369.40	369.35	368.18	367.88	367.02	368.71	369.73	370.64	369.91	369.65	369.90	369.79
24	369.40	369.30	368.17	367.81	367.04	368.67	369.74	370.56	369.94	369.64	369.92	369.72
25	369.51	369.28	368.14	367.75	367.15	368.63	369.72	370.49	369.85	369.63	369.92	369.74
26	369.53	369.44	368.04	367.72	367.40	368.46	369.70	370.51	369.84	369.73	369.88	369.73
27	369.53	369.45	367.99	367.68	367.73	368.63	369.60	370.46	369.79	369.70	369.82	369.68
28	369.57	369.61	367.96	367.63	368.26	368.59	369.51	370.37	369.84	369.68	369.82	369.62
29	369.54	369.78	367.89	367.58	368.80	368.77	369.45	370.28	369.86	369.71	369.79	369.63
30	369.57	369.79	367.80	367.54	---	369.01	369.40	370.18	369.83	369.75	369.78	369.61
31	369.50	---	367.78	367.51	---	369.12	---	370.05	---	369.83	369.80	---
MEAN	369.58	369.44	368.65	367.94	367.29	369.03	369.79	370.43	369.79	369.83	369.89	369.76
MAX	369.78	369.79	369.72	368.33	368.80	369.34	370.31	371.34	369.96	370.12	369.98	369.95
MIN	369.40	369.25	367.78	367.51	367.02	368.46	369.21	369.48	369.52	369.63	369.78	369.60

CAL YR 1999 MEAN 369.14 MAX 370.21 MIN 367.08
WTR YR 2000 MEAN 369.29 MAX 371.34 MIN 367.02

04247000 ONEIDA RIVER NEAR EUCLID, NY

LOCATION.--Lat 43°12'18", long 76°13'05", Oswego County, Hydrologic Unit 04140202, on right bank , 50 ft downstream of Morgan Road bridge, 9.2 mi downstream from Oneida Lake, 1.3 mi north of Euclid, and 7.7 mi upstream from mouth at Three Rivers.
DRAINAGE AREA.-- 1,439 mi^2.
PERIOD OF RECORD.--November 1996 to current year. Records for September 1902 to December 1909, published as "Oneida River near Eucild", and January 1910 to December 1912 and October 1947 to September 1998, published as "Oneida River at Caughdenoy" (station 04246500) at site 7.6 mi upstream, are not equivalent because of regulation between sites.
GAGE.--Acoustic velocity meter, water-stage recorder, and crest-stage gage. Elevation of gage is 370 ft above sea level, from topographic map.
REMARKS.--Records fair except those for estimated daily discharges, which are poor. Considerable seasonal regulation by operation of gates in Oneida and Erie (Barge) Canals with a large amount of natural storage in Oneida Lake. Water may be diverted into or received from Mohawk River basin through summit level of Erie (Barge) Canal between New London and Utica. Nearly all of flow from 14 mi^2 of Tioughnioga River basin may be diverted into De Ruyter Reservoir, in Oswego River basin. Telephone and satellite gage-height telemeters at station. Several measurements of water temperature were made during the year.
COOPERATION.--Records of gate openings, lockages, and elevations of water surface in Erie (Barge) Canal above and below Lock 23, furnished by New York State Department of Transportation.
EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 9,000 ft^3/s, Jan. 12, 13, 1998; minimum daily discharge, 130 ft^3/s, June 9, 1999. Maximum and minimun instantaneous discharges not determined.
EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 8,110 ft^3/s, May 16; minimum daily discharge, 293 ft^3/s, Oct. 3. Maximum and minimun 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	295	1130	5250	2660	2590	5290	2800	1580	4810	1310	350	426
2	310	1150	5230	2610	2530	5330	2750	883	4570	1020	1340	373
3	293	1440	5230	2660	2500	5340	2770	672	4360	739	2720	309
4	839	1580	5190	e3130	2420	5290	4520	e650	4020	833	2920	295
5	1360	1530	5090	e3070	2360	5180	5540	e1300	3730	795	e1840	314
6	1570	1540	4920	3340	2310	5090	5980	e1300	3670	773	958	356
7	1520	1470	4720	3210	2260	4960	6220	e1300	3310	e770	e816	323
8	1410	1460	4710	3270	2190	4900	6430	e1200	3330	e750	825	386
9	1330	1500	4590	3250	2150	4810	6420	e1200	3210	e740	824	412
10	1280	1470	4360	3420	2130	4800	6790	e2300	2650	e790	874	382
11	1320	1390	3920	3460	2050	4950	7100	5070	1990	e800	784	778
12	1280	1450	4210	3520	2050	4900	6810	6400	1000	e810	813	1290
13	1280	1480	4150	3660	2030	5000	6640	7260	1250	e815	823	1700
14	1280	1490	4100	3390	2030	4960	6540	7850	3870	754	1270	2380
15	1890	1470	4160	3470	2090	4840	6340	8050	3860	861	1640	2860
16	2300	1490	3830	3490	2020	4660	6080	8110	2820	1000	1600	3050
17	2240	1490	3650	3330	2010	4610	e5940	8040	2160	2810	1650	2770
18	2410	1470	3620	3300	2020	4750	e6250	7780	2050	3370	1660	2050
19	2580	1420	3670	3260	2020	4880	e5790	7780	2020	3640	e1630	1190
20	2560	1400	3720	3220	2030	4610	e5590	7690	2030	2730	1630	775
21	2540	1400	3320	3160	2000	4400	e5920	7330	2060	2030	e1430	798
22	1950	1630	3350	3090	1990	4250	e5760	7130	2840	2020	e1200	790
23	1600	1720	3280	3060	1980	4120	e5830	6940	3230	2020	e1200	841
24	1590	1940	3420	2970	2040	3920	e5750	6900	3190	1530	1470	1250
25	1620	2020	3330	2950	2400	3860	e5720	6770	3230	863	2320	1590
26	1580	2350	3220	2940	3120	3520	5570	6710	2450	420	2600	1570
27	1500	3160	3090	2860	3900	2890	5420	6570	1680	369	2200	1580
28	1540	3600	3100	2730	4690	2100	4830	6330	1230	393	1960	1530
29	1290	4620	3060	2720	4940	2360	3790	6100	1250	408	967	1550
30	1170	5330	2840	2670	---	2800	2790	5680	1280	452	400	1080
31	1220	---	2740	2670	---	2820	---	5200	---	401	476	---
TOTAL	46947	56590	123070	96540	70850	136190	164680	158075	83150	37016	43190	34998
MEAN	1514	1886	3970	3114	2443	4393	5489	5099	2772	1194	1393	1167
MAX	2580	5330	5250	3660	4940	5340	7100	8110	4810	3640	2920	3050
MIN	293	1130	2740	2610	1980	2100	2750	650	1000	369	350	295

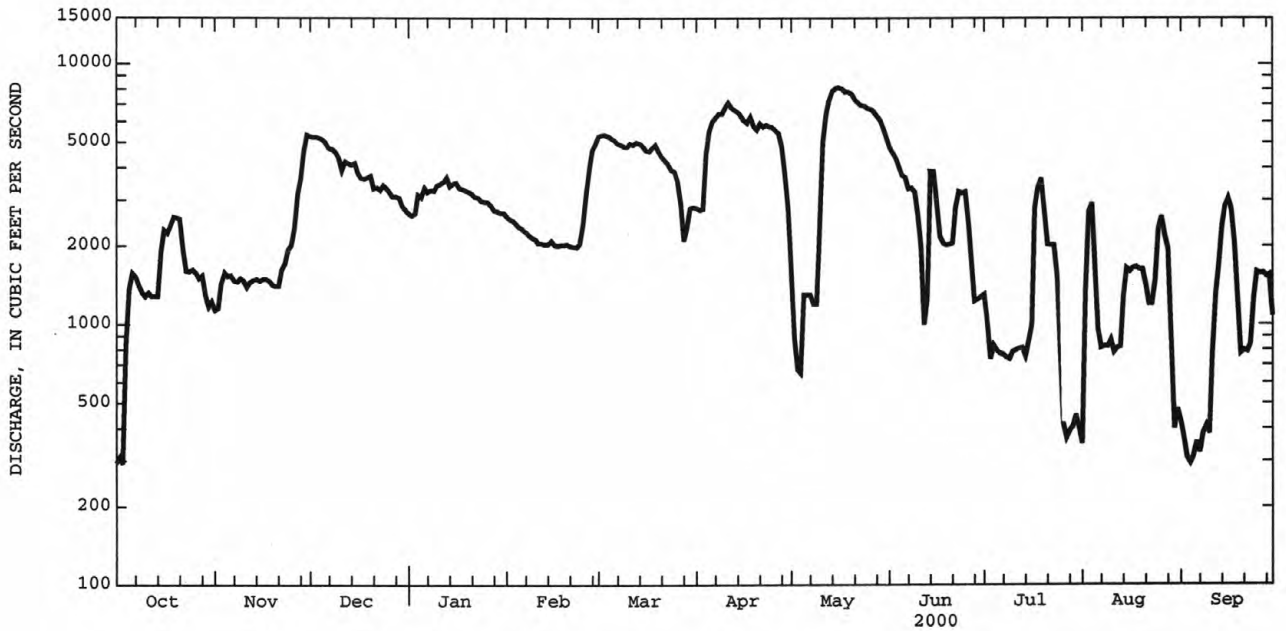
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1096	2083	3971	4047	3324	4619	4230	2720	1563	1006	710	849
MAX	1514	2530	5835	6199	3934	5562	5489	5099	2772	1194	1393	1167
(WY)	2000	1998	1997	1998	1998	1998	2000	2000	2000	2000	2000	2000
MIN	688	1832	2578	2641	2443	3524	3135	1146	469	863	261	516
(WY)	1999	1999	1999	1999	2000	1999	1998	1999	1999	1997	1999	1998

e Estimated

04247000 ONEIDA RIVER NEAR EUCLID, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1997 - 2000	
ANNUAL TOTAL	741484		1051296			
ANNUAL MEAN	2031		2872		2445	
HIGHEST ANNUAL MEAN					2872	2000
LOWEST ANNUAL MEAN					1839	1999
HIGHEST DAILY MEAN	5330	Nov 30	8110	May 16	9000	Jan 12 1998
LOWEST DAILY MEAN	130	Jun 9	293	Oct 3	130	Jun 9 1999
ANNUAL SEVEN-DAY MINIMUM	215	Jul 22	337	Sep 2	187	Oct 26 1998
10 PERCENT EXCEEDS	4230		5730		5470	
50 PERCENT EXCEEDS	1620		2480		2270	
90 PERCENT EXCEEDS	248		797		324	



CURRENT WATER YEAR DAILY MEAN DISCHARGE.

04249000 OSWEGO RIVER AT LOCK 7, OSWEGO, NY

LOCATION.--Lat 43°27'06", long 76°30'20", Oswego County, Hydrologic Unit 04140203, on right bank at New York State Barge Canal (Oswego Canal) Lock 7 in Oswego, 0.8 mi upstream from mouth.
DRAINAGE AREA.--5,100 mi^2.
PERIOD OF RECORD.--October 1900 to April 1906, October 1933 to current year. Monthly discharge only for some periods, published in WSP 1307. Prior to January 1904, published as "above Minetto" or "near Minetto."January 1904 to April 1906, published as "at Battle Island." Records for April 1897 to September 1900, published in WSP 65 and for October 1927 to September 1928, published in WSP 644, have been found to be unreliable and should not be used.
REVISED RECORDS.--WDR NY 78-1: Drainage area.
GAGE.--Water-stage recorder. Datum of gage is 245.12 ft above sea level. Prior to 1933, nonrecording gage at site about 6 mi upstream at different datum.
REMARKS.--Records good except those for estimated daily discharges, which are fair. Prior to 1933 and subsequent to 1972, flow in Oswego (Barge) Canal not included. A large amount of natural storage and some artificial regulation is afforded by the many large lakes and the Erie (Barge) and Oswego (Barge) Canal systems in the river basin.Large diurnal fluctuations at low and medium flow caused by powerplants upstream from station. Oswego River basin receives water from Erie (Barge) Canal through Lock 32 near Pittsford. Water may be diverted into or received from Mohawk River basin through Erie (Barge) Canal between New London and Utica. During part of year, entire flow from 45.5 mi^2 of Mud Creek drainage area may be diverted from Chemung River basin into Keuka Lake in Oswego River basin. Nearly all of the flow from 14 mi^2 of the Tioughnioga River basin may be diverted into De Ruyter Reservoir, in Oswego River basin. Telephone gage-height telemeter at station.
COOPERATION.--Records of lockages at Lock 7 furnished by New York State Thruway Authority, record of elevations of Lake Ontario by U.S. Army Corps of Engineers, daily discharge records for Oswego River High Dam upstream by Niagara Mohawk Power Corp.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 37,500 ft^3/s, Mar. 28, 1936, includes daily mean discharge of canals; maximum gage height, 13.46 ft, Apr. 10, 1940; minimum discharge (river only), 30 ft^3/s, Nov. 6, 1944.
EXTREMES FOR CURRENT YEAR.--Maximum discharge, 22,000 ft^3/s, May 17, gage height, 9.87 ft; minimum discharge, 264 ft^3/s, Sep. 5.

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	1570	2030	9590	4150	3530	17900	5220	9470	11600	e6950	e2250	e1250
2	1450	2090	9400	4310	3550	17200	5000	8130	11400	e6900	e3400	1430
3	1500	2590	9300	5750	3440	16400	5850	8260	11600	e5800	6740	1280
4	1860	2370	9370	6950	3410	15100	9210	7730	11300	e5800	7390	1210
5	3110	2560	9770	7000	3710	13500	12500	7250	10200	e4200	6390	1360
6	3560	2340	9830	7370	3260	13400	13100	5330	10600	e3550	4900	1410
7	3530	2430	9330	7260	3350	12700	13200	4740	9720	e2400	e3400	1110
8	2920	2210	9080	6490	3250	12400	13500	2650	9240	e2000	e4250	1500
9	3150	2140	8780	6760	3110	11800	15100	2580	8390	e2500	e4050	1420
10	3200	1860	8540	6510	3160	11900	16100	4770	7190	e2650	e4250	1550
11	3320	2080	7860	7310	3410	12000	16700	8900	e5800	e2200	4450	1600
12	3400	2110	8170	7290	3990	11900	16500	13200	e3650	e2600	4650	2870
13	3470	2810	8240	7590	3260	12200	16200	16800	e3500	e2000	4730	3820
14	4420	2270	7830	7140	3480	12000	15000	19000	9700	e2350	4660	4100
15	4580	1860	8200	6620	3900	11900	15100	19600	10800	e3100	5520	4600
16	5080	2110	8210	7090	3920	11800	14400	20100	10700	e4850	5040	4790
17	5370	2590	8090	5740	4170	11800	13900	20900	8730	e4950	5190	4780
18	5190	2590	8170	6080	4440	12200	14000	20200	8110	e5950	4270	3640
19	5240	2660	8160	6480	4040	12200	13500	19600	8110	e5200	3940	2810
20	3650	2610	8300	5020	4230	11900	13400	19100	7730	e5200	3830	1270
21	4510	3300	7890	4900	4260	11700	14500	18100	7620	e3150	3900	2130
22	4430	3150	7680	5100	4360	11400	16000	17300	8930	e4100	e2100	2410
23	2910	3920	7440	4920	5220	11000	16600	16700	9960	e3950	3480	2990
24	2640	4510	7000	4790	6650	10100	15800	16300	10100	e3300	4380	3180
25	3500	4740	7010	4630	9170	10100	16100	16200	9760	e2750	3650	4610
26	1890	5310	6910	3330	12300	9480	15900	15900	8810	e1850	4230	4050
27	2230	8020	6700	3580	15700	8810	15400	15500	e8100	e1900	3340	3950
28	2040	8510	6140	4390	18700	7660	14300	15000	e7700	e1100	2730	3490
29	2800	8990	5080	4150	18500	6290	13000	14500	e6750	e1300	2350	2590
30	2110	9840	4170	3390	---	6610	11100	13500	e7150	e2050	e1300	2900
31	1880	---	3770	3610	---	5940	---	12400	---	e2100	e1400	---
TOTAL	100510	106600	244010	175700	167470	361290	406180	409710	262950	108700	126160	80100
MEAN	3242	3553	7871	5668	5775	11650	13540	13220	8765	3506	4070	2670
MAX	5370	9840	9830	7590	18700	17900	16700	20900	11600	6950	7390	4790
MIN	1450	1860	3770	3330	3110	5940	5000	2580	3500	1100	1300	1110

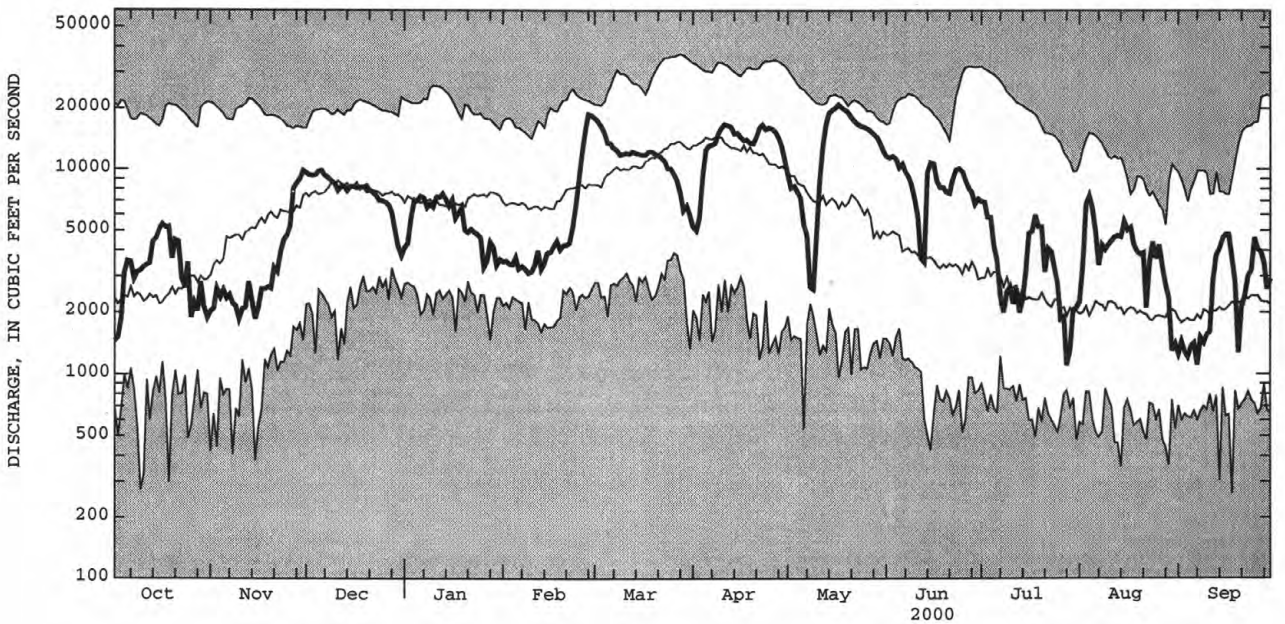
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1934 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	3824	6121	8438	7949	7840	11660	13050	8242	5024	3422	2504	2661
MAX	17950	16070	17920	16970	15130	21720	30250	20350	17000	19660	8951	8702
(WY)	1978	1978	1978	1998	1976	1979	1993	1943	1947	1972	1992	1977
MIN	1173	1167	2917	2610	2547	3914	2757	1993	1383	1113	836	760
(WY)	1940	1965	1940	1963	1963	1983	1995	1995	1995	1995	1934	1995

e Estimated

04249000 OSWEGO RIVER AT LOCK 7, OSWEGO, NY--Continued

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1934 - 2000	
ANNUAL TOTAL	1689247		2549380			
ANNUAL MEAN	4628		6966		6761	
HIGHEST ANNUAL MEAN					11030	1976
LOWEST ANNUAL MEAN					3433	1965
HIGHEST DAILY MEAN	15400	Jan 25	20900	May 17	37000	Mar 28 1936
LOWEST DAILY MEAN	627	Jul 31	1100	Jul 28	261	Sep 18 1985
ANNUAL SEVEN-DAY MINIMUM	875	Jul 30	1290	Sep 1	697	Sep 4 1995
10 PERCENT EXCEEDS	10100		14600		14300	
50 PERCENT EXCEEDS	2940		5210		5090	
90 PERCENT EXCEEDS	985		2110		1600	



CURRENT WATER YEAR DAILY MEAN DISCHARGE (BOLD) WITH DAILY MEDIAN FOR PERIOD OF RECORD.

SHADED AREAS SHOW HIGHEST AND LOWEST DAILY MEAN FOR PERIOD OF RECORD THROUGH PREVIOUS WATER YEAR.

04224000 MOUNT MORRIS LAKE NEAR MOUNT MORRIS, NY (see station for daily mean elevation, skeleton capacity table, monthly contents, and change in contents).

04227980 CONESUS LAKE NEAR LAKEVILLE, NY (see station for daily mean elevation).

04232400 SENECA LAKE AT WATKINS GLEN, NY (see station for daily mean elevation).

04233500 CAYUGA INLET (CAYUGA LAKE) AT ITHACA, NY (see station for daily mean elevation).

04234500 CANANDAIGUA LAKE AT CANANDAIGUA, NY (see station for daily mean elevation).

04235396 OWASCO LAKE NEAR AUBURN, NY (see station for daily elevation).

04240495 ONONDAGA LAKE AT LIVERPOOL, NY (see station for daily mean elevation).

04246000 ONEIDA LAKE AT BREWERTON, NY (see station for daily mean elevation).

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

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 crest-stage partial-record stations are presented in the following table. Discharge measurements made at low-flow partial-record sites and at miscellaneous sites and for special studies are given in separate tables.

Crest-stage partial-record stations

The following table contains annual maximum discharges for crest-stage stations. A crest-stage gage is a device that 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.

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)
SUSQUEHANNA RIVER BASIN								
Little Elk Creek near Westford, NY (01497805)	Lat 42°38'01", long 74°47'45", Otsego County, Hydrologic Unit 02050101, at culvert on Greenbush Road, 1.2 mi south of Westford, and 2.2 mi upstream from mouth. Elevation of gage is 1,520 feet above sea level, from topographic map. Drainage area is 3.73 mi^2.	1978-00	4- 4-00	17.24	136	1-19-96	19.92	278
Susquehanna River at Unadilla, NY (01500500)	Lat 42°19'17", long 75°19'01", Otsego County, Hydrologic Unit 02050101, on right bank 25 ft downstream from bridge on Bridge Street at Unadilla, 1.0 mi upstream from Carrs Creek, and 1.6 mi downstream from Ouleout Creek. Datum pf gage is 997.25 ft above sea level(Corps of Engineers bench mark). Drainage area is 982 mi^2.	1938-95‡ 1996-00	2-28-00	12.73	17,700	3-18-36 3-14-77	16.6 14.64	j31,300 23,500
Unadilla River at Rockdale, NY (01502500)	Lat 42°22'40", long 75°24'23", Chenango County, Hydrologic Unit 02050101, on right bank 400 ft downstream from Chenango-Otsego County highway bridge at Rockdale, and 0.7 mi downstream from Kent Brook. Datum of gage is 992.25 ft above sea level. Drainage area is 520 mi^2.	1930-33‡, 1937-95‡ 1996-00	2-28-00	11.81	13,800	12-31-42	12.98	17,400
Susquehanna River at Bainbridge, NY (01502632)	Lat 42°17'29", long 75°28'36", Chenango County, Hydrologic Unit 02050101, on right bank at the downstream side of bridge on State Highway 206 over the Susquehanna River, at Bainbridge. Datum of gage is 956.55 ft above sea level. Drainage area is 1,610 mi^2.	1988-00	2-29-00	19.53	34,600	3-31-93 1-20-96	20.17 21.04	36,600 a
Susquehanna River at Windsor, NY (01502731)	Lat 42°04'28", long 75°38'17", Broome County, Hydrologic Unit 02050101, on right bank at downstream side of bridge on County Highway 315 over the Susquehanna River, at Windsor. Datum of gage is 900.00 ft above sea level. Drainage area is 1,820 mi^2.	1988-00	2-28-00	18.05	32,900	1-20-96	a21.22	e40,000

‡ Operated as a continuous-record gaging station.
a Ice jam.
e Estimated.
j From U. S. Army Corps of Engineers.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Maximum discharge at crest-stage partial-record stations--Continued

Station name and number	Location and drainage area	Period of record	Water year 2000 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)
SUSQUEHANNA RIVER BASIN--Continued								
Chenango River at Eaton, NY (01503980)	Lat 42°51'02", long 75°36'21", Madison County, Hydrologic Unit 02050102, at bridge on Landon Road at Eaton, 0.1 mi upstream from Eaton Brook, and 0.1 mi downstream from State Highway 26. Elevation of gage is 1,180 ft above mean sea level, from topographic map. Drainage area is 24.3 mi^2.	1964-65, 1967-00	2-28-00	7.65	1,290	3- 6-64 1-19-96	8.12 8.51	2,350 a
Chenango River at Sherburne, NY (01505000)	Lat 42°40'43", long 75°30'39", Chenango County, Hydrologic Unit 02050102, on right bank 20 ft downstream from bridge on State Highway 80, 0.5 mi west of Sherburne, and 0.5 mi downstream from Handsome Brook. Datum of gage is 1,037.16 ft above sea level. Drainage area is 263 mi^2.	1938-95‡ 1996-00	2-28-00	9.56	6,100	3-18-36 3- 6-79 1-19-96	k10.60 9.94 10.47	e12,500 10,400 a
Chenango River at Greene, NY (01507000)	Lat 42°19'28", long 75°46'18", Chenango County, Hydrologic Unit 02050102, on left bank 0.3 mi downstream from bridge on State Highway 206 at Greene, and 0.6 mi downstream from Birdsall Brook. Datum of gage is 892.58 ft above sea level. Drainage area is 593 mi^2.	1937-70‡, 1971-00	2-28-00	14.49	12,000	12-31-42	18.33	18,900
Tioughnioga River at Lisle, NY (01509520)	Lat 42°20'58", long 75°59'58", Broome County, Hydrologic Unit 02050102, on left bank 50 ft downstream from bridge on State Highway 79, at Lisle, and 2.3 mi upstream from Otselic River. Datum of gage is 956.52 ft above sea level. Drainage area is 453 mi^2.	1988-00	2-28-00	8.43	11,100	1-19-96 1-20-96	10.50 --	a e12,900
Merrill Creek tributary near Texas Valley, NY (01510610)	Lat 42°28'03", long 75°59'19", Cortland County, Hydrologic Unit 02050102, at bridge on town road, 0.3 mi upstream from mouth, and 1.4 mi southwest of Texas Valley. Elevation of gage is 1,150 feet above sea level, from topographic map. Drainage area is 5.32 mi^2.	1976-81, 1983-00	2-28-00	1.78	412	1-19-96	a6.64	e1,150
Tioughnioga River at Itaska, NY (01511500)	Lat 42°17'53", long 75°54'33", Broome County, Hydrologic Unit 02050102, on right bank at Itaska, 3.8 mi downstream from Otselic River and village of Whitney Point, and 6.0 mi upstream from mouth. Datum of gage is 917.97 ft above sea level. Drainage area is 730 mi^2.	1930-67‡, 1968-00	2-28-00	8.30	11,400	7- 8-35 2-26-61	i16.61 11.15	m61,100 22,600

‡ Operated as a continuous-record gaging station.
a Ice jam.
e Estimated.
i From floodmark.
k From National Weather Service.
m Prior to current degree of regulation.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Maximum discharge at crest-stage partial-record stations--Continued

Station name and number	Location and drainage area	Period of record	Water year 2000 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)
		SUSQUEHANNA RIVER BASIN--Continued						
Susquehanna River at Vestal, NY (01513500)	Lat 42°05'27", long 76°03'23", Broome County, Hydrologic Unit 02050103, on left bank 400 ft downstream from highway bridge, at Vestal, and 800 ft upstream from Choconut Creek. Datum of gage is 799.19 ft above sea level (levels of U. S. Army Corps of Engineers). Drainage area is 3,941 mi^2.	1936, 1937-67‡, 1968-72, 1974-00	2-28-00	23.62	64,500	e3-18-36	e30.50	107,000
Susquehanna River at Owego, NY (01513831)	Lat 42°06'05", long 76°15'41", Tioga County, Hydrologic Unit 02050103, on right bank at the upstream side of bridge on State Highway 96 over the Susquehanna River, at Owego. Datum of gage is 776.64 ft above sea level. Drainage area is 4,216 mi^2.	1988-96, 1999-00	2-28-00	27.53	54,500	3-18-36 1-20-96	g 32.97	107,000 81,400
Owego Creek near Owego, NY (01514000)	Lat 42°07'45", long 76°16'15", Tioga County, Hydrologic Unit 02050103, on right bank of right channel 300 ft upstream from bridge on State Highway 96, 0.5 mi upstream from Catatonk Creek, and 1.5 mi north of Owego. Datum of gage is 819.82 ft above sea level. Drainage area is 185 mi^2.	1930-78‡, 1979-00	2-28-00	8.76	7,380	7- 8-35 1-19-96	i11.50 11.66	23,500 a
Catatonk Creek near Owego, NY (01514801)	Lat 42°08'18", long 76°17'23", Tioga County, Hydrologic Unit 02050103, on right bank 0.4 mi downstream from bridge on County Highway 23, 1.4 mi north of Owego, and 1.2 mi upstream from mouth. Elevation of gage is 810 ft above sea level, from topographic map. Drainage area is 151 mi^2.	1988-00	2-28-00	10.00	3,720	1-20-96	14.83	9,740
Susquehanna River near Waverly, NY (01515000)	Lat 41°59'05", long 76°30'05", Bradford County, Pa., Hydrologic Unit 02050103, on left bank 0.2 mi upstream from Cayuta Creek, 0.4 mi upstream from bridge on East Lockhart Street at Sayre, Pa., 1.0 mi downstream from New York-Pennsylvania State line, and 2.0 mi southeast of Waverly. Datum of gage is 743.96 ft above sea level. Drainage area is 4,773 mi^2.	1937-95‡ 1996-00	2-28-00	16.65	76,000	6-23-72	21.24	121,000
Tioga River near Lindley, NY (01520500)	Lat 42°01'43", long 77°07'57", Steuben County, Hydrologic Unit 02050104, on left bank just downstream from bridge on County Highway 120 at Lindley, and 6 mi upstream from Canisteo River. Datum of gage is 964.50 ft above sea level. Drainage area is 771 mi^2.	1930-95‡ 1996-00	2-28-00	11.40	8,480	6-23-72 10-23-90 8-18-94	i26.27 m 13.37 13.38	128,000 13,900 13,900

‡ Operated as a continuous-record gaging station.
a Ice jam.
e Estimated.
g None available.
i From floodmark.
m Prior to current degree of regulation.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Maximum discharge at crest-stage partial-record stations--Continued

Station name and number	Location and drainage area	Period of record	Water year 2000 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)
		SUSQUEHANNA RIVER BASIN--Continued						
Big Creek near Howard, NY (01521596)	Lat 42°22'01", long 77°34'33", Steuben County, Hydrologic Unit 02050104, at culvert on town road, 0.1 mi south of State Highway 70, 1.3 mi north of Butch Corner, 3.4 mi west of Howard,and 6.2 mi upstream from mouth. Elevation of gage is 1500 ft above sea level, from topographic map. Drainage area is 6.32 mi^2.	1977-99	8- 1-00	13.02	c	9-13-87 1-19-96	16.04 i16.23	580 c
Canacadea Creek at Alfred, NY (01522075)	Lat 42°15'13", long 77°47'24", Steuben County, Hydrologic Unit 02050104, at culvert off Saxon Road, on Alfred University campus, at Alfred. Elevation of gage is 1720 ft above sea level, from topographic map. Drainage area is 1.28 mi^2.	1999-00	1-24-99 6-14-00	1.82 2.58	41 160	6-14-00	2.58	160
Canisteo River at West Cameron, NY (01525500)	Lat 42°13'20", long 77°25'05", Steuben County, Hydrologic Unit 02050104, on right bank 250 ft downstream from bridge on County Highway 119, 0.3 mi southeast of West Cameron, and 1.7 mi north of Cameron. Datum of gage is 1,037 ft above sea level, (levels from Corps of Engineers, datum 1912). Drainage area is 340 mi^2.	1930-31‡, 1937-70‡, 1971-72, 1974-00	6-13-00	10.93	5,740	6-23-72	23.48	43,000
Tuscarora Creek above South Addison, NY (01525981)	Lat 42°04'20", long 77°17'57", Steuben County, Hydrologic Unit 02050104, on right bank 500 ft downstream from bridge on State Highway 417, 200 ft upstream from Elk Creek, and 1.7 mi southwest of South Addison. Datum of gage is 1,079.00 ft above sea level. Drainage area is 102 mi^2.	1989-00	6-13-00	8.08	5,150	10-23-91 1-19-96	10.96 a13.49	11,800 e8,700
Cohocton River at Bath, NY (01528320)	Lat 42°20'36", long 77°20'39", Steuben County, Hydrologic Unit 02050104, on left bank 150 ft upstream from bridge on Veterans Avenue at Bath, and 0.6 mi downstream from Harrisburg Hollow Creek. Datum of gage is 1,100.00 above sea level. Drainage area is 340 mi^2.	1988-96, 2000	2-28-00	7.93	4,150	4- 1-93 1-23-99	10.18 10.70	7,000 a
Cuthrie Run near Big Flats, NY (01530301)	Lat 42°10'43", long 75°55'32", Chemung County, Hydrologic Unit 02050105, at culvert on Breed Hollow Road, 0.9 mi north of intersection of Eacher Hollow Road and Breed Hollow Road, 2.3 mi north of State Highway 17, and 3.0 mi north of Big Flats. Elevation of gage is 925 feet above sea level, from topographic map. Drainage area is 5.39 mi^2.	1976, 1979-81, 1983-00	5-25-00	14.14	190	6-19-76	18.52	800

‡ Operated as a continuous-record gaging station.

a Ice jam.
c Discharge not determined.
e Estimated.
i From floodmark.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Maximum discharge at crest-stage partial-record stations--Continued

Station name and number	Location and drainage area	Period of record	Water year 2000 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)
			SUSQUEHANNA RIVER BASIN--Continued					
Chemung River at Elmira, NY (01530332)	Lat 42°05'11", long 76°48'05", Chemung County, Hydrologic Unit 02050105, on right bank 350 ft upstream from bridge on Pennsylvania Avenue at the north end of George Place, 1.0 mi downstream from Hoffman Brook, at Elmira. Datum of gage is 833.65 ft above sea level. Drainage area is 2,162 mi^2.	1988-00	2-28-00	9.65	24,500	1-20-96	i18.51	e71,000
			ALLEGHENY RIVER BASIN					
Ischua Creek tributary near Machias, NY (03010734)	Lat 42°24'28", long 78°31'33", Cattaraugus County, Hydrologic Unit 05010001, at culvert on Very Road, 0.2 mi upstream from mouth, 0.7 mi north of State Highway 242, and 1.5 mi west of Machias. Elevation of gage is 1,680 ft above sea level, from topographic map. Drainage area is 5.12 mi^2.	1978-81, 1983-00	2-26-00	8.37	90	9-14-79	10.59	570
Ball Creek at Stow, NY (03013800)	Lat 42°09'13", long 79°24'27", Chautauqua County, Hydrologic Unit 05010002, on left bank 75 ft upstream from bridge on State Highway 394 at Stow, and 0.4 mi upstream from mouth. Elevation of gage is 1,330 ft above sea level, from topographic map. Drainage area is 9.06 mi^2.	1955-64§, 1965, 1967-68b, 1974‡, 1975-00	2- 25-00 4- 8-00	f14.11 13.87	c 545	9-14-79	21.88	2,000
			STREAMS TRIBUTARY TO LAKE ERIE					
Canadaway Creek at Fredonia, NY (04213376)	Lat 42°27'02", long 79°21'03", Chautauqua County, Hydrologic Unit 04120101, at bridge on Van Buren Road (Matteson Street), 0.8 mi northwest of Fredonia corporate boundary, and 1.2 mi upstream from Beaver Creek. Elevation of gage is 650 feet above sea level, from topographic map. Drainage area is 32.9 mi^2.	1962-63b, 1987-00	4- 8-00	3.53	1,230	5-19-97 8- 7-79	9.50 --	6,690 12,000
			STREAMS TRIBUTARY TO NIAGARA RIVER					
Delaware Park Lake at Buffalo, NY (04216212)	Lat 42°56'03", long 78°52'28", Erie County, Hydrologic Unit 04120104, on north shore of Delaware Park Lake at downstream side of bridge on Scajaquada Expressway (SH 198), and 1.7 mi upstream from mouth of Scajaquada Creek. Datum of gage is 570.00 ft IGLD (levels by Corp of Engineers). Drainage area is 1.14 mi^2.	1985-00	1- 4-00	7.21	d	6-22-87	12.48	d

‡ Operated as a continuous-record gaging station.
§ Operated as a low-flow partial-record station.
b Miscellaneous measurements made.
c Discharge not determined.
d No stage-discharge relationship defined at this site.
e Estimated.
f Backwater.
i From floodmark.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Maximum discharge at crest-stage partial-record stations--Continued

Station name and number	Location and drainage area	Period of record	Water year 2000 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)
STREAMS TRIBUTARY TO NIAGARA RIVER--Continued								
Scajaquada Creek below Delaware Park Lake at Buffalo, NY (04216214)	Lat 42°56'15", long 78°53'07", Erie County, Hydrologic Unit 04120104, on left bank, 400 ft east of Grant Street (North) exit from Scajaquada Expressway (SH 198), at Buffalo. Datum of gage is 570.00 ft IGLD (levels by Corp of Engineers). Drainage area is 25.7 mi^2.	1985-00	1- 4-00	f6.27	d	6-22-87	11.20	d
Little Tonawanda Creek at Linden, NY (04216500)	Lat 42°52'37", long 78°09'48", Genesee County, Hydrologic Unit 04120104, on right bank at upstream side of bridge on, County Highway 13A (Depot Road) in Linden and 9.3 mi upstream from mouth. Datum of gage is 1,081.62 ft above sea level. Drainage area is 22.1 mi^2.	1913-68‡, 1970-72‡, 1977-92‡, 1993-00	4- 8-00	5.85	620	6-23-89	i16.99	2,900
Johnson Creek near Lyndonville, NY (04219900)	Lat 43°20'21", long 78°20'55", Orleans County, Hydrologic Unit 04130001, at bridge on Woodworth Road, 3.3 mi downstream from dam at Lyndonville, and 4.4 mi upstream from mouth. Elevation of gage is 260 ft above sea level, from topographic map. Drainage area is 87.7 mi^2.	1962-70, 1972-73, 1976-00	5-14-00	6.90	1,820	2-17-54 3-12-62	g 10.29	5,430 3,540
STREAMS TRIBUTARY TO LAKE ONTARIO								
West Creek near Hilton, NY (04220250)	Lat 43°18'10", long 77°48'50", Monroe County, Hydrologic Unit 04130001, on right bank just downstream from bridge on Collamer Road, 0.5 mi north of Collamer, and 1.5 mi northwest of Hilton. Datum of gage is 261.53 ft above sea level. Drainage area is 31.0 mi^2.	1958-64‡, 1971-72, 1986-00	2-24-00	6.10	368	3-30-60	10.67	1,480
Stony Brook tributary at South Dansville, NY (04224807)	Lat 42°28'16", long 77°40'21" Steuben County, Hydrologic Unit 04130002, at culvert on Willey Road, 0.6 mi upstream from mouth, and 0.9 mi west of South Dansville. Elevation of gage is 1,400 ft above sea level, from topographic map. Drainage area is 3.15 mi^2.	1977-82, 1984-91, 1996-00	2-25-00	8.55	37	8- 3-81	15.89	790
Bear Creek at Ontario, NY (042320578)	Lat 43°13'30", long 77°17'00", Wayne County, Hydrologic Unit 04140101, at culvert on New Street in Ontario, 100 ft west of Furnaceville Road, and 4.0 mi upstream from mouth. Elevation of gage is 420 ft above sea level, from topographic map. Drainage area is 6.74 mi^2.	1971-73, 1975-00	5-13-00	13.07	204	1- 8-98	13.38	238

‡ Operated as a continuous-record gaging station.
d No stage-discharge relationship defined at this site.
f Backwater.
g None available.
i From floodmark.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Maximum discharge at crest-stage partial-record stations--Continued

Station name and number	Location and drainage area	Period of record	Water year 2000 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)
STREAMS TRIBUTARY TO LAKE ONTARIO--Continued								
Catharine Creek at Montour Falls, NY (04232200)	Lat 42°19'42", long 76°50'39", Schuyler County, Hydrologic Unit 04140201, on left bank 12 ft downstream from bridge on Town Road, 0.4 mi south of village line of Montour Falls, and 0.6 mi upstream from diversion channel. Elevation of gage is 490 ft above sea level, from topographic map. Drainage area is 41.1 mi^2.	1957-62§, 1964-66§, 1970§, 1976-77‡, 1987-00	4- 4-00	5.24	606	11- 8-96	8.48	e4,700
Sugar Creek at Guyanoga, NY (04232460)	Lat 42°37'23", long 77°09'30", Yates County, Hydrologic Unit 04140201, at bridge on Sid White Road, 0.4 mi east of Guyanoga, and 2.3 mi upstream from mouth. Elevation of gage is 750 ft above sea level, from topographic map. Drainage area is 28.9 mi^2.	1966-00	9-23-00	6.57	e5,000	9-23-00	6.57	e5,000
Kendig Creek near MacDougall, NY (04232630)	Lat 42°50'57", long 76°53'33", Seneca County, Hydrologic Unit 04140201, at downstream side of bridge on County Highway 120, 3.0 mi north of MacDougall, 3.5 mi southwest of Waterloo, and 4.6 mi upstream from mouth. Elevation of gage is 530 ft above sea level, from topographic map. Drainage area is 13.8 mi^2.	1966-00	9-23-00	15.32	633	7-31-92 3-15-78	n6.32 n6.72	1,000 c
Cayuga Inlet at Ithaca, NY (04233255)	Lat 42°25'38", long 76°31'19", Tompkins County, Hydrologic Unit 04140201, on upstream abutment face of flood-control weir, at east end of Burtt Place, south of Ithaca city line, 0.3 mi east of State Highway 13a, 0.9 mi downstream from Buttermilk Creek, and 2.4 mi upstream from mouth. Datum of gage is 379.97 ft above sea level. Drainage area is 86.7 mi^2.	1971-72, 1975-00	2-28-00	<7.95	c	1-19-96	14.67	12,500
Coy Glen Creek at Ithaca, NY (04233258)	Lat 42°25'45", long 76°31'18", Tompkins County, Hydrologic Unit 04140201, on right bank at double drop structure 200 ft upstream from mouth at Ithaca. Datum of gage is 380.00 ft above sea level. Drainage area is 3.56 mi^2.	1983-00	4-21-00	18.89	169	1-19-96	22.23	820

‡ Operated as a continuous-record gaging station.
§ Operated as a low-flow partial-record station.
c Discharge not determined.
e Estimated.
n Datum prior to Oct. 1991.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Maximum discharge at crest-stage partial-record stations--Continued

Station name and number	Location and drainage area	Period of record	Water year 2000 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)
		STREAMS TRIBUTARY TO LAKE ONTARIO--Continued						
Schaeffer Creek near Canandaigua, NY (04234138)	Lat 42°54'25", long 77°22'14", Ontario County, Hydrologic Unit 04140201, at culvert on McCann Road, 0.8 mi upstream from Mud Creek, 1.7 mi north of U.S. Highway 20, and 3.2 mi west of Canandaigua. Elevation of gage is 860 ft above sea level, from topographic map. Drainage area is 7.84 mi^2.	1980-00	2-24-00	<10.82	c	3- 5-79 4-11-90 1- 8-98	g 12.88 12.88	e520 336 336
Mud Creek at East Victor, NY (04234200)	Lat 42°58'28", long 77°22'58", Ontario County, Hydrologic Unit 04140201, on left bank, 25 ft downstream from bridge on State Highway 96 at East Victor, 0.3 mi upstream from Fish Creek, and 0.5 mi upstream from mouth. Elevation of gage is 580 ft above sea level, from topographic map. Drainage area is 64.2 mi^2.	1958-68‡, 1972, 1976-00	2-24-00	5.76	1,130	6-22-72 4-21-91	7.85 7.22	1,800 1,880
Canandaigua Outlet tributary near Alloway, NY (04235255)	Lat 43°00'21", long 77°00'54", Ontario County, Hydrologic Unit 04140201, at bridge on Pre-Emption Road, 0.5 mi south of Wayne-Ontario County line, 1.8 mi southwest of Alloway, and 2.9 mi upstream from mouth. Elevation of gage is 490 ft above sea level, from topographic map. Drainage area is 2.94 mi^2.	1978-00	5-13-00	6.84	80	1-19-96 1- 8-98	7.34 7.34	102 102
Butternut Creek near Jamesville, NY (04245200)	Lat 42°56'02", long 76°03'44", Onondaga County, Hydrologic Unit 04140202, on left bank, 15 ft downstream from bridge on Walberger Road, 125 ft downstream from tributary from Stebbins Gulf, 2.2 mi upstream from Jamesville Reservoir, and 4.0 mi south of Jamesville.Datum of gage is 717.93 ft above sea level. Drainage area is 64.2 mi^2.	1955-58b, 1958-99‡, 2000	2-28-00	g	e600	7- 3-74 1-19-96	7.84 a9.20	2,820 e1,850
Scriba Creek near Constantia, NY (04245840)	Lat 43°15'35" long 76°00'11", Oswego County, Hydrologic Unit 04140202, on right bank, 8 ft upstream from bridge on Cemetery Road, and about 0.8 mi north of village of Constantia. Elevation of gage is 410 ft above sea level, from topographic map. Drainage area is 38.4 mi^2.	1966-68‡, 1969, 1971-00	2-28-00	5.05	516	9-26-75 6-22-72	7.33 7.42	1,310 1,200
Catfish Creek at New Haven, NY (04249050)	Lat 43°29'00", long 76°19'34", Oswego County, Hydrologic Unit 04140102, at bridge on State Highway 104B, at New Haven, and 1.4 mi upstream from mouth. Elevation of gage is 350 ft above sea level, from topographic map. Drainage area is 31.7 mi^2.	1962-66, 1968-00	2-28-00	5.12	433	3-18-73	7.85	1,350

‡ Operated as a continuous-record gaging station.
a Ice jam.
c Discharge not determined.
e Estimated.
g None available.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements made at miscellaneous sites during water year 2000

Stream	Tributary to	Location	Drainage area (mi^2)	Measured previously (water years)	Measurements	
					Date	Discharge (ft^3/s)
STREAMS TRIBUTARY TO LAKE ONTARIO						
04234010 Big Salmon Creek at Genoa	Salmon Creek	Lat 42°40'04", long 76°32'18", Cayuga County, Hydrologic Unit 04140201, about 2,100 ft upstream of the bridge on State Highway 90 in Genoa and 2.4 miles above the confluence with Salmon Creek and Little Salmon Creek.	---	---	1-11-00	83.0
					5-15-00	70.0
					6-26-00	19.5
					7-26-00	2.00
					8-30-00	0.47
					9-27-00	3.72
04237944 Onondaga Creek Trib. No. 6	Onondaga Creek	Lat 42°51'13", long 76°08'34", Onondaga County, Hydrologic Unit 04140201, about 450 ft upstream of the main mudboil Depression area, 1,325 ft east of Tully Farms road, 2,000 ft south of Otisco road, and 4.2 mi northwest of Tully.	0.26	1992-94‡ 1995-99	11- 2-99	0.18

‡ Operated as a continuous-record gaging station.

STREAMS TRIBUTARY TO LAKE ONTARIO

04234010 BIG SALMON CREEK AT GENOA, NY

LOCATION.--Lat 42°40'04", long 76°32'18", Cayuga County, Hydrologic Unit 04140201, about 200 ft upstream of the bridge on State Highway 90 in Genoa and 2.4 miles above the confluence with Little Salmon Creek.
PERIOD OF RECORD.--January 2000 to September 2000.
PESTICIDE DATA: 2000 (c).
PERIOD OF RECORD.--Samples were taken as part of a state-wide pesticide sampling network in cooperation with the New York State Department of Environmental Conservation. Tables of compounds included when pesticide analyses were performed on samples appear following the introduction to the State-wide Monitoring of Pesticides in Surface Water of New York State section on pages 314-315. Additional water-quality data available from New York State Department of Environmental Conservation.

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	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)	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)
JAN											
11...	1130	83	<.002	<.002	.0603	E.0792	<.001	<.002	<.002	<.003	<.003
MAY											
15...	1220	70	<.002	.0689	.878	E.0837	<.001	<.002	<.002	<.003	<.003
JUN											
26...	0900	20	<.002	.0055	.574	E.236	<.001	<.002	<.002	<.003	<.003
JUL											
26...	0830	2.0	<.002	<.002	.253	E.148	<.001	<.002	<.002	<.003	<.003
AUG											
30...	1500	.47	<.002	<.002	.196	E.142	<.001	<.002	<.002	<.003	<.003
SEP											
27...	0900	3.7	<.002	<.002	.116	E.120	<.001	<.002	<.002	<.003	<.003

DATE	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)	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)
JAN											
11...	<.004	<.010	<.002	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003
MAY											
15...	<.004	<.010	<.002	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003
JUN											
26...	<.004	<.004	<.002	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003
JUL											
26...	<.004	.0059	<.002	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003
AUG											
30...	<.004	.0066	<.002	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003
SEP											
27...	<.004	<.004	<.002	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003

DATE	FONOFOS WATER DISS REC (UG/L) (04095)	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)	PARA-THION, DIS-SOLVED (UG/L) (39542)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)
JAN											
11...	<.003	<.002	<.004	<.002	<.005	.700	<.004	<.004	<.003	<.004	<.006
MAY											
15...	<.003	<.002	<.004	<.002	<.005	1.38	<.004	<.004	<.003	<.004	<.006
JUN											
26...	<.003	<.002	<.004	<.002	<.005	1.64	.0062	<.004	<.003	<.004	E.0035
JUL											
26...	<.003	<.002	<.004	<.002	<.005	.599	<.004	<.004	<.003	<.004	<.006
AUG											
30...	<.003	<.002	<.004	<.002	<.005	.229	<.004	<.004	<.003	<.004	<.006
SEP											
27...	<.003	<.002	<.004	<.002	<.005	.180	<.004	<.004	<.003	<.004	<.006

STREAMS TRIBUTARY TO LAKE ONTARIO

04234010 BIG SALMON CREEK AT GENOA, NY--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DATE	PEBULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDIMETHALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PERMETHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PROMETON, WATER, DISS, REC (UG/L) (04037)	PRONAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	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)
JAN										
11...	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004	<.013	<.005
MAY										
15...	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004	<.013	<.005
JUN										
26...	<.004	.0705	<.005	<.002	E.0035	<.003	<.007	<.004	<.013	.0057
JUL										
26...	<.004	<.004	<.005	<.002	E.0038	<.003	<.007	<.004	<.013	.0062
AUG										
30...	<.004	<.004	<.005	<.002	E.0063	<.003	<.007	<.004	<.013	.0080
SEP										
27...	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004	<.013	.0064

DATE	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)	TRIALLATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRIFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	PROMETRYN, WATER, DISS, REC (UG/L) (04036)	DEISOPROPYL ATRAZIN WATER, DISS, REC (UG/L) (04038)	AMETRYN WATER, DISS, REC, (UG/L) (38401)	PROPAZINE WATER DISS REC (UG/L) (38535)
JAN										
11...	<.010	<.007	<.013	<.002	<.001	<.002	--	--	--	--
MAY										
15...	<.010	<.007	<.013	<.002	<.001	<.002	--	--	--	--
JUN										
26...	<.010	<.007	<.013	<.002	<.001	<.002	--	--	--	--
JUL										
26...	<.010	<.007	<.013	<.002	<.001	<.002	--	--	--	--
AUG										
30...	<.010	<.007	<.013	<.002	<.001	<.002	--	--	--	--
SEP										
27...	<.010	<.007	<.013	<.002	<.001	<.002	--	--	--	--

DATE	TERBUTRYN WATER, DISS, REC (UG/L) (38888)	ALACHLOR, (ESA) WAT FLT GF 0.7U REC (UG/L) (50009)	ACETOCHLOR ESA FLTRD 0.7 UM GF REC (UG/L) (61029)	ACETOCHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61030)	ALACHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61031)	METOLACHLOR ESA FLTRD 0.7 UM GF REC (UG/L) (61043)	METOLACHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61044)	CYANAZINE-AMIDE WATER FLTRD REC (UG/L) (61709)	DIMETHENAMID, ESA, WAT FLT (UG/L) (61951)	FLUFENACET, ESA, WAT FLT (UG/L) (61952)
JAN										
11...	--	<.20	1.55	<.20	.21	3.48	<.20	--	--	--
MAY										
15...	--	.26	<.05	<.05	<.05	4.58	1.29	--	--	--
JUN										
26...	--	.09	<.05	<.05	<.05	6.70	2.25	--	<.05	<.05
JUL										
26...	--	.07	<.05	<.05	<.05	3.12	1.11	--	<.05	<.05
AUG										
30...	--	<.05	<.05	<.05	<.05	1.62	.49	--	<.05	<.05
SEP										
27...	--	.18	<.05	<.05	<.05	2.15	1.66	--	<.05	<.05

STREAMS TRIBUTARY TO LAKE ONTARIO

04237936 ONONDAGA CREEK ABOVE MUDBOIL DEPRESSION AREA AT TULLY, NY

LOCATION.--Lat 42°51'18", long 76°08'15", Onondaga County, Hydrologic Unit 04140201, 1600 ft upstream of the collapsed Otisco Road bridge, 860 ft east of the main depression area, 1100 ft west of State Route 11A, and 0.3 mi southwest of Tully Valley.
DRAINAGE AREA.--14.2 mi^2.
PERIOD OF RECORD.--November 1997 to current year.
CHEMICAL DATA: 1998-2000 (b).
SEDIMENT DATA: 1998-2000 (b).

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	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)
NOV												
12...	0845	7.3	663	8.0	3.9	14.3	112	250	72.2	18.0	35.8	1.3
FEB												
15...	0930	16	775	8.0	.4	16.0	113	230	66.2	15.5	69.0	1.4
MAY												
11...	0930	90	523	8.0	12.3	10.1	113	180	54.1	10.8	40.4	1.3
AUG												
17...	1030	6.9	628	8.0	17.0	10.6	83	220	59.7	17.8	38.2	1.1

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	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)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
NOV											
12...	66.5	31.4	168	205	6.0	372	20	15	.11	120	2.4
FEB											
15...	90.9	28.9	172	210	5.4	418	20	25	.23	55	2.5
MAY											
11...	45.3	18.0	162	198	5.4	299	10	18	.05	97	23
AUG											
17...	52.0	16.9	172	210	6.3	341	<10	11	.15	63	1.2

STREAMS TRIBUTARY TO LAKE ONTARIO

04237950 ONONDAGA CREEK AT TULLY VALLEY, NY

LOCATION.--Lat 42°51'31", long 76°08'19", Onondaga County, Hydrologic Unit 04140201, 25 ft north (downstream) of the collapsed Otisco Road bridge, 1100 ft west of State Route 11A, and 450 ft west-northwest of the Baily Cemetery, at Tully Valley.
DRAINAGE AREA.--16.4 mi^2.
PERIOD OF RECORD.--November 1997 to current year.
CHEMICAL DATA: 1998-2000 (b).
SEDIMENT DATA: 1998-2000 (b).

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	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)
NOV												
12...	1015	8.0	1600	7.8	4.3	15.0	119	320	84.1	25.5	182	1.8
FEB												
15...	1100	17	1340	8.2	2.0	16.0	116	270	72.8	20.3	156	1.7
MAY												
11...	1100	92	661	8.1	12.6	12.3	115	180	54.5	11.7	58.2	1.3
AUG												
17...	1210	7.9	1860	8.0	17.0	11.0	114	300	75.5	27.5	242	1.5

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	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)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
NOV											
12...	315	64.9	174	212	6.5	826	10	26	.49	114	2.5
FEB											
15...	249	51.1	178	217	5.6	698	20	30	.48	63	2.9
MAY											
11...	77.8	22.3	166	203	5.5	367	10	22	.10	93	23
AUG											
17...	404	64.6	206	251	6.8	996	<10	25	.68	66	1.4

STREAMS TRIBUTARY TO LAKE ONTARIO

0423795620 ONONDAGA CREEK TRIBUTARY NO. 9 AT TULLY, NY

LOCATION.--Lat 42°52'29", long 76°09'04", Onondaga County, Hydrologic Unit 04140201, 35 ft west (upstream) of two, 2-ft culverts under Tully Farms Road, 10 ft east (downstream) of water intake for adjacent homes, and 1.1 mi southwest of the Village of Cardiff.
DRAINAGE AREA.-- 0.56 mi^2.
PERIOD OF RECORD.--November 1998 to current year.
CHEMICAL DATA: 1999-2000 (b).
SEDIMENT DATA: 1999-2000 (b).

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	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)
NOV												
12...	1045	.15	19300	7.2	5.7	11.3	99	1600	396	137	3520	12.9
FEB												
15...	1200	.99	12000	7.5	3.7	13.0	103	1000	260	87.3	2280	8.1
MAY												
11...	1145	1.8	7540	7.8	13.5	10.5	103	570	153	45.4	997	4.1
AUG												
17...	1300	.66	16400	7.9	16.0	9.3	100	1200	317	109	3250	10.5

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	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)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
NOV											
12...	6150	780	158	193	8.3	11600	<100	131	5.78	1020	.41
FEB											
15...	3800	448	124	151	7.6	6960	<10	149	3.39	414	1.1
MAY											
11...	1700	248	128	156	6.7	3460	E30	192	1.55	294	1.4
AUG											
17...	5370	607	130	159	8.2	9890	<90	252	5.03	829	1.5

STREAMS TRIBUTARY TO LAKE ONTARIO

04237957 ONONDAGA CREEK AT BAILEY'S SETTLEMENT, NY

LOCATION.--Lat 42°37'57", long 76°09'14", Onondaga County, Hydrologic Unit 04140201, at bridge on Webster Road, 0.4 mi south of Baily's Settlement, and 13.5 mi upstream of Onondaga Lake.
DRAINAGE AREA.--31.2 mi^2.
PERIOD OF RECORD.--November 1997 to current year.
CHEMICAL DATA: 1998-2000 (b).
SEDIMENT DATA: 1998-2000 (b).

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	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)
NOV												
12...	1115	14	1900	7.7	5.2	12.6	104	340	94.7	25.7	224	2.3
FEB												
15...	1215	35	1510	7.8	1.4	15.5	110	290	81.7	20.7	188	1.8
MAY												
11...	1200	152	722	8.1	13.5	11.6	112	210	62.3	12.9	66.4	1.6
AUG												
17...	1345	12	2520	7.9	17.7	10.7	110	360	94.6	30.9	379	2.2

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	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)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
NOV											
12...	431	82.1	160	195	6.1	1040	10	35	.44	160	6.2
FEB											
15...	315	61.0	170	207	5.5	828	10	42	.36	97	9.1
MAY											
11...	98.7	26.8	158	193	5.3	405	10	32	.07	88	36
AUG											
17...	601	89.2	180	220	6.6	1390	<30	52	.93	144	4.8

STREAMS TRIBUTARY TO LAKE ONTARIO

04237962 ONONDAGA CREEK NEAR CARDIFF, NY

LOCATION.--Lat 42°54'00", long 76°10'10", Onondaga County, Hydrologic Unit 04140201, at bridge on State Route 20, 1.5 mi northwest of Cardiff, and 12.1 mi upstream of Onondaga Lake.
DRAINAGE AREA.-- Undetermined.
PERIOD OF RECORD.--November 1997 to current year.
CHEMICAL DATA: 1998-2000 (b).
SEDIMENT DATA: 1998-2000 (b).

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	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)
NOV												
12...	1230	16	1850	7.8	6.3	13.4	111	340	94.2	26.4	214	2.5
FEB												
15...	1300	38	1520	7.7	.8	15.2	108	290	80.6	21.1	186	1.8
MAY												
11...	1245	172	710	8.1	14.6	10.5	108	200	59.6	12.6	57.9	1.6
AUG												
17...	1430	13	2710	7.9	19.0	9.9	104	380	97.7	33.3	416	2.6

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	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)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
NOV											
12...	386	84.1	162	198	6.0	970	20	56	.38	170	7.3
FEB											
15...	313	62.0	158	193	5.3	824	10	50	.33	--	--
MAY											
11...	90.7	25.5	154	188	5.3	394	10	34	.05	97	45
AUG											
17...	651	106	180	220	6.6	1460	<30	45	.84	126	4.5

STREAMS TRIBUTARY TO LAKE ONTARIO

424551076081500 TULLY LAKE OUTLET NEAR PREBLE, NY

LOCATION.--Lat 42°45'51", long 76°08'15", Cortland County, Hydrologic Unit 04140201, at bridge on unamed road 0.9 mi west of State highway 11, and about 2.0 mi northeast of Preble.
DRAINAGE AREA.-- Undetermined.
PERIOD OF RECORD.--November 1998 to current year.
CHEMICAL DATA: 1999-2000 (b).
SEDIMENT DATA: 1999-2000 (b).

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	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)
NOV												
12...	0715	.00	445	7.8	4.6	13.1	104	150	35.3	15.2	27.4	1.1
FEB												
15...	0730	11	563	6.8	1.8	12.1	76	190	49.2	16.5	31.7	1.5
MAY												
11...	0710	56	525	7.9	--	8.7	88	210	58.3	14.5	26.8	1.5
AUG												
17...	0900	3.8	384	8.4	21.0	9.0	101	120	22.5	15.0	29.1	E.2

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	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)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
NOV											
12...	60.8	12.4	74	90	.3	229	<10	3	.02	13	--
FEB											
15...	5.8	1.8	170	207	3.0	294	<10	9	<.01	24	.73
MAY											
11...	51.1	12.7	152	185	2.6	293	E10	16	<.01	29	4.4
AUG											
17...	54.2	10.8	66	81	2.3	202	<10	3	<.01	27	.28

STREAMS TRIBUTARY TO LAKE ONTARIO

424811076085100 GATEHOUSE POND NEAR TULLY, NY

LOCATION.--Lat 42°48'11", long 76°08'51", Onondaga County, Hydrologic Unit 04140201, at Gatehouse Road, 300 ft south of intersection with State Route 80, and 1.9 mi west of Tully.
PERIOD OF RECORD.--November 1997 to current year.
CHEMICAL DATA: 1998-2000 (b).
SEDIMENT DATA: 1998-99 (b).

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	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)
NOV												
12...	0730	--	323	7.7	6.6	12.2	102	150	38.7	12.1	10.1	.8
FEB												
15...	0830	--	419	7.0	.5	10.1	69	170	46.7	11.8	16.8	1.2
MAY												
11...	0750	--	329	8.0	18.8	9.4	100	140	40.0	9.38	9.3	.7
AUG												
17...	0945	--	311	8.0	22.5	8.0	93	130	35.3	9.90	10.0	.7

DATE	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	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)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
NOV											
12...	21.4	7.6	84	103	.7	179	<10	E2	<.01	--	--
FEB											
15...	3.1	.8	124	151	2.6	224	E10	10	<.01	--	--
MAY											
11...	20.3	6.6	116	142	.6	186	<10	7	--	--	--
AUG											
17...	18.7	5.4	108	132	1.3	164	<10	2	<.01	--	--

STREAMS TRIBUTARY TO LAKE ONTARIO

430449077294201 CARTERSVILLE WASTE CHANNEL AT PITTSFORD, NY

LOCATION.--Lat 43°04'49", long 77°29'42", Hydrologic Unit 04140101, at Marsh Road, 0.1 mi south of New York State Highway 31 and 0.25 mi north of Erie Canal.
PERIOD OF RECORD.-- December 1984 to current year.
CHEMICAL DATA: 1988-91 (d), 1992 (c) 1993 (b), 1994 (d), 1995 (b), 1996-97 (a), 1998 (b), 1999-2000 (d).
NUTRIENT DATA: 1988-91 (d), 1992 (c) 1993 (b), 1994 (d), 1995 (b), 1996-97 (a), 1998 (b), 1999-2000 (d).
COOPERATION.--Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, N.Y.
REMARKS.--Prior to 1994 water year, data published in "Water Resources of Monroe County New York, Water Years 1984-88 with Emphasis on Water Quality in the Irondequoit Creek Basin", U.S. Geological Survey Open-File Report 93-370 and in "Water Resources of Monroe County New York, Water Years 1989-93", U.S. Geological Survey Open-File Report 97-587.

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

DATE	STATION NUMBER	DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT							
13...	430449077294201	991013	1025	2.0	2.3	10	97
APR							
26...	430449077294201	000426	1015	.80	9.0	--	100
MAY							
23...	430449077294201	000523	0835	2.2	10	9.4	66
JUN							
20...	430449077294201	000620	0850	2.8	25	7.9	49
JUL							
05...	430449077294201	000705	0850	3.0	--	7.9	73
19...	430449077294201	000719	0930	3.5	19	8.2	77
AUG							
08...	430449077294201	000808	0930	3.6	17	6.9	72
15...	430449077294201	000815	0900	3.7	140	8.2	41
30...	430449077294201	000830	1035	3.7	14	8.0	78
SEP							
13...	430449077294201	000913	0840	4.2	12	8.2	84
27...	430449077294201	000927	0815	4.0	8.0	9.3	83

DATE	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	RESIDUE VOLATILE, SUSPENDED (MG/L) (00535)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)
OCT								
13...	42	<2	<2	.62	.01	.28	.040	.030
APR								
26...	176	8	<3	.41	.02	.62	.040	.006
MAY								
23...	56	14	2	.88	.03	.40	.055	.020
JUN								
20...	44	32	4	.88	.05	.72	.110	.040
JUL								
05...	44	28	3	1.0	.03	.55	.090	.035
19...	53	21	3	.69	.03	.58	.085	.050
AUG								
08...	37	23	3	.57	.03	.44	.080	.027
15...	23	86	<10	.65	.03	.36	.200	.027
30...	45	26	2	.67	.01	.27	.068	.036
SEP								
13...	44	17	2	.90	.02	.29	.060	.038
27...	79	12	<2	.67	.03	.40	.070	.043

STREAMS TRIBUTARY TO LAKE ONTARIO

430526077315201 EAST BRANCH ALLEN CREEK ABOVE ERIE CANAL SIPHON NEAR PITTSFORD, NY

LOCATION.--Lat 43°05'26", long 77°31'52", Hydrologic Unit 04140101, at north bank of Erie Canal, 0.5 mi west of State Highway 31.
PERIOD OF RECORD.--December 1984 to current year.
CHEMICAL DATA: 1984-86 (a), 1988-96 (a), 1998 (b), 1999 (c), 2000 (a).
NUTRIENT DATA: 1984-86 (a), 1988-96 (a), 1998 (b), 1999 (c), 2000 (a).
COOPERATION.--Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, N.Y.
REMARKS.--Prior to 1994 water year, data published in "Water Resources of Monroe County New York, Water Years 1984-88 with Emphasis on Water Quality in the Irondequoit Creek Basin", U.S. Geological Survey Open-File Report 93-370 and in "Water Resources of Monroe County New York, Water Years 1989-93", U.S. Geological Survey Open-File Report 97-587.

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

DATE	STATION NUMBER	DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT							
13...	430526077315201	991013	1130	.21	19	8.3	41
APR							
26...	430526077315201	000426	0900	5.9	3.3	--	51

DATE	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	RESIDUE VOLATILE, SUSPENDED (MG/L) (00535)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)
OCT								
13...	73	18	<2	.10	.14	.83	.130	.005
APR								
26...	233	3	<3	.48	<.01	.89	.020	.004

STREAMS TRIBUTARY TO LAKE ONTARIO

430526077315202 EAST BRANCH ALLEN CREEK BELOW ERIE CANAL SIPHON NEAR PITTSFORD, NY

LOCATION.--Lat 43°05'26", long 77°31'52", Hydrologic Unit 04140101, at north bank of Erie Canal, 0.5 mi west of State Highway 31.
PERIOD OF RECORD.--December 1984 to current year.
CHEMICAL DATA: 1984-86(a), 1988-96 (a), 1998 (b), 1999 (c), 2000 (b).
NUTRIENT DATA: 1984-86 (a), 1988-96 (a), 1998 (b), 1999 (c), 2000 (b).
COOPERATION.--Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, N.Y.
REMARKS.--Prior to 1994 water year, data published in "Water Resources of Monroe County New York, Water Years 1984-88 with Emphasis on Water Quality in the Irondequoit Creek Basin", U.S. Geological Survey Open-File Report 93-370 and in "Water Resources of Monroe County New York, Water Years 1989-93", U.S. Geological Survey Open-File Report 97-587.

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

DATE	STATION NUMBER	DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT							
13...	430526077315202	991013	1140	.84	8.9	9.6	80
AUG							
15...	430526077315202	000815	1030	2.7	87	8.1	46
SEP							
13...	430526077315202	000913	0950	--	21	7.5	47
27...	430526077315202	000927	0855	--	21	8.4	31

DATE	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	RESIDUE VOLATILE, SUSPENDED (MG/L) (00535)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)
OCT								
13...	50	14	<4	.46	.06	.37	.060	.022
AUG								
15...	32	94	6	.70	.06	.64	.140	.027
SEP								
13...	76	34	6	.52	.07	.86	.110	.016
27...	93	36	6	1.1	.06	1.0	.160	.052

STREAMS TRIBUTARY TO LAKE ONTARIO

430526077315203 EAST BRANCH ALLEN CREEK ERIE CANAL SIPHON NEAR PITTSFORD, NY

LOCATION.--Lat 43°05'26", long 77°31'52", Hydrologic Unit 04140101, at north bank of Erie Canal, 0.5 mi west of State Highway 31.
PERIOD OF RECORD.--December 1984 to current year.
CHEMICAL DATA: 1984-86 (a), 1988-95 (b), 1998 (b), 1999 (c), 2000 (a).
NUTRIENT DATA: 1984-86 (a), 1988-95 (b), 1998 (b), 1999 (c), 2000 (a).
COOPERATION.--Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, N.Y.
REMARKS.--Prior to 1994 water year, data published in "Water Resources of Monroe County New York, Water Years 1984-88 with Emphasis on Water Quality in the Irondequoit Creek Basin", U.S. Geological Survey Open-File Report 93-370 and in "Water Resources of Monroe County New York, Water Years 1989-93", U.S. Geological Survey Open-File Report 97-587.

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

DATE	STATION NUMBER	DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT 13...	430526077315203	991013	1150	.63	7.7	11	94
AUG 15...	430526077315203	000815	1115	1.5	75	--	50

DATE	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	RESIDUE VOLATILE, SUSPENDED (MG/L) (00535)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)
OCT 13...	41	18	2	.60	.04	.28	.045	.039
AUG 15...	27	85	5	.75	.05	.70	.130	.030

STREAMS TRIBUTARY TO LAKE ONTARIO

430557077344401 ALLEN CREEK ABOVE ERIE CANAL SIPHON NEAR ROCHESTER, NY

LOCATION.--Lat 43°05'57", long 77°34'44", Hydrologic Unit 04140101, at north bank of Erie Canal, 0.01 mi east of Winton Road.
PERIOD OF RECORD.--December 1984 to current year.
CHEMICAL DATA: 1986-87 (a), 1988 (d), 1989 (c), 1990 (d), 1991-92 (c), 1993 (b), 1994 (d), 1995 (a), 1996-97 (a), 1998 (b), 1999 (c), 2000 (d).
NUTRIENT DATA: 1986-87 (a), 1988 (d), 1989 (c), 1990 (d), 1991-92 (c), 1993 (b), 1994 (d), 1995 (a), 1996-97 (a), 1998 (b), 1999 (c), 2000 (d).
COOPERATION.--Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, N.Y.
REMARKS.--Prior to 1994 water year, data published in "Water Resources of Monroe County New York, Water Years 1984-88 with Emphasis on Water Quality in the Irondequoit Creek Basin", U.S. Geological Survey Open-File Report 93-370 and in "Water Resources of Monroe County New York, Water Years 1989-93", U.S. Geological Survey Open-File Report 97-587.

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

DATE	STATION NUMBER	DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT							
13...	430557077344401	991013	1400	.50	3.3	9.4	45
MAY							
23...	430557077344401	000523	1145	3.5	3.6	12	47
JUN							
20...	430557077344401	000620	1140	1.6	7.9	9.1	41
JUL							
05...	430557077344401	000705	1105	1.1	--	7.3	45
19...	430557077344401	000719	1215	3.2	10	8.2	44
AUG							
08...	430557077344401	000808	1130	1.5	10	7.5	43
15...	430557077344401	000815	1315	--	7.0	7.7	44
30...	430557077344401	000830	1210	--	4.6	7.0	51
SEP							
13...	430557077344401	000913	1145	2.2	8.0	7.9	32
27...	430557077344401	000927	1010	1.2	6.0	8.9	42

DATE	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	RESIDUE VOLATILE, SUSPENDED (MG/L) (00535)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)
OCT								
13...	165	3	<2	.23	.03	.41	.035	.008
MAY								
23...	218	5	2	.33	.02	.88	.040	.004
JUN								
20...	211	10	3	.32	.07	.89	.075	.020
JUL								
05...	221	7	<3	.24	.04	.91	.055	.015
19...	160	11	6	.19	.01	.70	.075	.004
AUG								
08...	143	9	6	.06	<.01	1.2	.070	.004
15...	173	6	3	.11	.03	.64	.060	.008
30...	200	2	<2	.18	.06	.59	.045	.014
SEP								
13...	123	7	4	.15	.01	.60	.055	.003
27...	151	7	5	.20	.03	.65	.045	.005

STREAMS TRIBUTARY TO LAKE ONTARIO

430557077344402 ALLEN CREEK BELOW ERIE CANAL SIPHON NEAR ROCHESTER, NY

LOCATION.--Lat 43°05'57", long 77°34'44", Hydrologic Unit 04140101, at north bank of Erie Canal, 0.01 mi east of Winton Road.
PERIOD OF RECORD.--December 1984 to current year.
CHEMICAL DATA: 1985 (a), 1986 (b), 1987 (a), 1988 (d), 1989 (c), 1990 (d), 1991-93 (c), 1994 (d), 1995 (c), 1996-97 (a), 1998 (b), 1999 (c), 2000 (d).
NUTRIENT DATA: 1985 (a), 1986 (b), 1987 (a), 1988 (d), 1989 (c), 1990 (d), 1991-93 (c), 1994 (d), 1995 (c), 1996-97 (a), 1998 (b), 1999 (c), 2000 (d).
COOPERATION.--Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, N.Y.
REMARKS.--Prior to 1994 water year, data published in "Water Resources of Monroe County New York, Water Years 1984-88 with Emphasis on Water Quality in the Irondequoit Creek Basin", U.S. Geological Survey Open-File Report 93-370 and in "Water Resources of Monroe County New York, Water Years 1989-93", U.S. Geological Survey Open-File Report 97-587.

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

DATE	STATION NUMBER	DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT							
13...	430557077344402	991013	1320	1.4	6.0	9.8	74
APR							
26...	430557077344402	000426	0855	7.7	11	--	53
MAY							
23...	430557077344402	000523	1110	7.9	40	10	47
JUN							
20...	430557077344402	000620	1110	5.4	45	7.3	38
JUL							
05...	430557077344402	000705	1020	4.7	--	6.3	72
19...	430557077344402	000719	1130	7.1	10	7.6	79
AUG							
08...	430557077344402	000808	1055	5.3	14	6.8	57
15...	430557077344402	000815	1225	3.5	42	6.7	62
30...	430557077344402	000830	1125	3.7	18	7.6	75
SEP							
13...	430557077344402	000913	1135	2.9	17	7.8	41
27...	430557077344402	000927	1000	4.9	46	7.3	50

DATE	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	RESIDUE VOLATILE, SUSPENDED (MG/L) (00535)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)
OCT								
13...	76	9	<2	.48	.04	.33	.055	.020
APR								
26...	233	14	3	.52	.01	.86	.040	.002
MAY								
23...	135	45	4	.50	.03	.79	.080	.007
JUN								
20...	82	41	4	.54	.06	.61	.105	.026
JUL								
05...	87	15	<3	.87	.05	.71	.075	.033
19...	99	15	3	.51	.03	.52	.063	.007
AUG								
08...	72	17	3	.37	.01	.50	.060	.008
15...	58	57	4	.70	.05	.60	.110	.031
30...	59	26	3	.53	.02	.38	.065	.017
SEP								
13...	92	21	4	.38	.03	.51	.065	.004
27...	72	48	5	.81	.05	.78	.095	.014

STREAMS TRIBUTARY TO LAKE ONTARIO

430557077344403 ALLEN CREEK AT ERIE CANAL SIPHON NEAR ROCHESTER, NY

LOCATION.--Lat 43°05'57", long 77°34'44", Hydrologic Unit 04140101, at north bank of Erie Canal, 0.01 mi east of Winton Road.
PERIOD OF RECORD.--December 1984 to current year.
CHEMICAL DATA: 1989 (a), 1987 (b), 1988 (d), 1989 (c), 1990 (d), 1991-93 (c), 1994 (d), 1995 (c), 1996 (b), 1997 (a), 1998 (b), 1999 (c), 2000 (d).
NUTRIENT DATA: 1989 (a), 1987 (b), 1988 (d), 1989 (c), 1990 (d), 1991-93 (c), 1994 (d), 1995 (c), 1996 (b), 1997 (a), 1998 (b), 1999 (c), 2000(d).
COOPERATION.--Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, N.Y.
REMARKS.--Prior to 1994 water year, data published in "Water Resources of Monroe County New York, Water Years 1984-88 with Emphasis on Water Quality in the Irondequoit Creek Basin", U. S. Geological Survey Open-File Report 93-370 and in "Water Resources of Monroe County New York, Water Years 1989-93", U. S. Geological Survey Open-File Report 97-587.

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

DATE	STATION NUMBER	DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
APR							
26...	430557077344403	000426	0905	1.8	37	--	47
MAY							
23...	430557077344403	000523	1200	4.4	80	9.3	47
JUN							
20...	430557077344403	000620	1050	3.8	66	7.8	36
JUL							
05...	430557077344403	000705	1110	3.6	--	6.9	80
19...	430557077344403	000719	1220	3.9	17	8.2	104
AUG							
08...	430557077344403	000808	1130	3.8	18	8.5	69
15...	430557077344403	000815	1320	--	52	7.0	64
30...	430557077344403	000830	1215	2.6	20	9.4	78
SEP							
13...	430557077344403	000913	0955	3.9	8.6	9.1	68
13...	430557077344403	000913	1150	.70	25	--	81
27...	430557077344403	000927	1015	3.7	57	7.6	54

DATE	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	RESIDUE VOLATILE, SUSPENDED (MG/L) (00535)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)
APR								
26...	56	44	<6	1.2	.05	.73	.090	.018
MAY								
23...	42	84	6	.69	.04	.80	.120	.013
JUN								
20...	39	56	4	.62	.07	.79	.120	.027
JUL								
05...	53	22	<2	1.0	.05	.48	.085	.036
19...	57	26	3	.70	.03	.43	.070	.021
AUG								
08...	40	26	3	.54	.07	.49	.065	.034
15...	37	63	4	.81	.06	.57	.110	.036
30...	46	17	2	.54	<.01	.36	.070	.011
SEP								
13...	42	12	<2	.77	.05	.36	.060	.035
13...	40	38	4	.79	.04	.28	.075	.026
27...	35	68	5	1.1	<.01	.71	.130	.029

STREAMS TRIBUTARY TO LAKE ONTARIO

430605077262201 FAIRPORT WASTE CHANNEL AT FAIRPORT, NY

LOCATION.--Lat 43°06'05", long 77°26'22", Hydrologic Unit 04140101, at State Street, 0.15 mi east of New York State Highway 250, and 0.05 mi north of Erie Canal.
PERIOD OF RECORD.-- December 1984 to current year.
CHEMICAL DATA: 1988-89 (d), 1990 (c), 1991 (a), 1992-95 (c), 1996-98 (a), 1999-2000 (c).
NUTRIENT DATA: 1988-89 (d), 1990 (c), 1991 (a), 1992-95 (c), 1996-98 (a), 1999-2000 (c).
COOPERATION.--Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, N.Y..
REMARKS.--Prior to 1994 water year, data published in "Water Resources of Monroe County New York, Water Years 1984-88 with Emphasis on Water Quality in the Irondequoit Creek Basin", U. S. Geological Survey Open-File Report 93-370 and in "Water Resources of Monroe County New York, Water Years 1989-93", U. S. Geological Survey Open-File Report 97-587.

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

DATE	STATION NUMBER	DATE	TIME	DISCHARGE, INST. CUBIC FEET PER SECOND (00061)	TURBIDITY (NTU) (00076)	OXYGEN, DISSOLVED (MG/L) (00300)	SULFATE DISSOLVED (MG/L AS SO4) (00945)
OCT							
13...	430605077262201	991013	0820	7.9	28	9.7	76
MAY							
23...	430605077262201	000523	0930	.10	3.2	5.8	77
JUL							
19...	430605077262201	000719	0825	5.4	14	6.9	79
AUG							
08...	430605077262201	000808	0825	5.4	9.3	6.9	65
15...	430605077262201	000815	0745	5.8	290	--	33
30...	430605077262201	000830	0940	4.4	10	7.4	81
SEP							
13...	430605077262201	000913	0805	5.4	10	7.3	73
27...	430605077262201	000927	0745	5.4	6.4	8.3	74

DATE	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L) (00530)	RESIDUE VOLATILE, SUSPENDED (MG/L) (00535)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)
OCT								
13...	37	50	5	.67	.05	.21	.100	.042
MAY								
23...	71	5	<2	.77	.07	.34	.045	.020
JUL								
19...	44	18	2	.51	.05	.41	.065	.027
AUG								
08...	38	13	<2	.56	.04	.68	.065	.017
15...	19	141	<10	.58	.06	.62	.280	.021
30...	42	12	<2	.58	.03	.25	.055	.030
SEP								
13...	39	14	<2	.78	.05	.32	.060	.034
27...	36	9	<2	.79	.04	.28	.050	.034

STREAMS TRIBUTARY TO LAKE ONTARIO

431510077363501 GENESEE RIVER AT CHARLOTTE PUMP STATION, NEAR ROCHESTER, NY

LOCATION.--Lat 43°15'10", long 77°36'35", Monroe County, Hydrologic Unit 04130003, at Charlotte, in Rochester, on west bank of the Genesee River, 1300 ft downstream of Stutson Street Bridge, 0.5 mi upstream of mouth, and 5.0 mi downstream from gaging station (04232000) at Rochester.
DRAINAGE AREA.--2,467 mi^2 at station 04232000.
PERIOD OF RECORD.--Water years 1990 to current year.
CHEMICAL DATA: 1990-2000 (e).
NUTRIENT DATA: 1990-2000 (e).
COOPERATION.--Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, NY.
REMARKS.--Prior to 1994 water year, data published in "Water Resources of Monroe County New York, Water Years 1989-93", U.S. Geological Survey Open-File Report 97-587.

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

DATE	TIME	ENDING TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	TUR-BID-ITY (NTU) (00076)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)
OCT							
02-04	1035	0935	874	3.1	92	47	--
04-06	1105	1005	526	1.6	119	56	--
06-08	1105	0805	611	1.6	77	53	--
08-10	0845	0745	431	1.4	77	45	--
10-12	0845	0745	414	5.0	79	42	--
12-14	1155	0655	450	6.3	78	41	--
14-16	1045	2145	1040	2.7	96	50	--
18-19	1115	2215	788	3.4	86	50	--
19-21	2315	1015	889	5.6	71	42	--
21-23	1050	0950	944	4.4	88	46	--
23-25	1050	0950	758	6.0	77	41	--
25-26	1120	2220	745	4.4	96	41	--
26-28	2320	1020	791	4.4	132	43	--
28-30	1035	0935	924	3.9	97	47	--
OCT 30-							
NOV 01	1035	0935	938	2.9	80	39	--
01-02	1110	2210	649	5.2	71	39	--
02-04	2310	1010	898	4.1	74	41	--
04-06	1035	0935	1170	3.5	81	37	--
06-08	1035	0935	935	2.7	89	35	--
08-10	1045	0945	691	5.8	92	39	--
10-12	1045	0945	574	5.1	90	40	--
12-13	1015	2115	466	2.7	90	44	--
14-15	2215	0915	687	4.1	87	42	--
15-16	1050	2150	634	5.5	108	53	--
16-18	2250	0950	387	3.0	104	50	--
18-20	1005	0905	410	2.4	110	61	--
20-22	1005	0905	435	2.0	109	56	--
22-24	1120	0820	399	2.5	90	47	--
24-25	0835	1835	338	1.5	106	55	--
25-27	1935	0535	396	2.8	96	48	--
27-29	0635	0735	2620	1.8	112	55	--
29-30	1035	2135	3240	27	66	40	82
NOV 30-							
DEC 02	2235	0935	2650	26	44	30	--
02-04	1035	0935	1270	13	52	29	--
04-06	1035	0935	1150	6.4	66	36	--
06-07	1040	2140	1540	7.3	79	45	--
08-09	2240	0940	1220	5.7	66	34	--
09-11	1025	0925	1220	7.3	64	36	--
11-13	1025	0925	1170	4.5	68	37	--
13-14	1025	2125	1200	6.5	76	40	--
14-16	2225	0925	1710	3.9	72	62	--
16-17	1035	1735	3260	7.7	76	58	--
17-19	1835	0135	3040	39	69	44	92
19-20	0235	0935	3030	36	63	38	51
20-22	1110	2210	3800	39	46	30	40
22-23	2310	1010	3680	28	40	26	--
23-25	1015	0915	2300	17	42	32	--
25-27	1015	0915	909	13	46	33	--
27-28	1055	2155	939	9.3	65	38	--
28-30	2255	0955	761	6.0	94	49	--
JAN							
06-07	1040	1740	5420	160	45	34	200
07-09	1840	0140	4360	130	43	29	153
09-10	0240	0940	3980	60	42	27	69

STREAMS TRIBUTARY TO LAKE ONTARIO

431510077363501 GENESEE RIVER AT CHARLOTTE PUMP STATION, NEAR ROCHESTER, NY--Continued

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

DATE	RESIDUE VOLATILE, SUSPENDED (MG/L) (00535)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)
OCT						
02-04	--	.57	.10	.45	.050	.029
04-06	--	.60	.07	.41	.045	.032
06-08	--	.68	.13	.59	.050	.032
08-10	--	.72	.13	.42	.045	.030
10-12	--	.62	.15	.74	.170	.028
12-14	--	.60	.13	.51	.070	.030
14-16	--	.73	.14	.44	.045	.024
18-19	--	.50	.05	.21	.045	.022
19-21	--	.57	.08	.31	.040	.019
21-23	--	.45	.11	.41	.040	.020
23-25	--	.45	.11	.39	.020	.018
25-26	--	.59	.11	.34	.040	.020
26-28	--	.60	.12	.37	.055	.027
28-30	--	.57	.09	.47	.040	.021
OCT 30-						
NOV 01	--	.55	.09	.44	.035	.020
01-02	--	.53	.05	.76	.040	.021
02-04	--	.56	.16	.76	.045	.017
04-06	--	.47	.12	.50	.030	.012
06-08	--	.42	.08	.42	.025	.014
08-10	--	.47	.11	.48	.040	.014
10-12	--	.46	.13	.52	.035	.012
12-13	--	.77	.13	.48	.035	.013
14-15	--	1.1	.03	.45	.055	.026
15-16	--	.45	.16	.63	.045	.013
16-18	--	.44	.13	.48	.040	.014
18-20	--	.54	.20	.62	.035	.014
20-22	--	.55	.16	.60	.035	.017
22-24	--	.47	.12	.53	.030	.013
24-25	--	.50	.27	.50	.040	.023
25-27	--	.50	.31	.71	.045	.026
27-29	--	.62	.11	.43	.040	.026
29-30	7	.47	.06	.84	.115	.010
NOV 30-						
DEC 02	--	.50	.07	.80	.095	.010
02-04	--	.64	.06	.49	.045	.013
04-06	--	.71	.08	.43	.035	.014
06-07	--	.76	.09	.49	.030	.015
08-09	--	.81	.11	.38	.025	.014
09-11	--	.73	.15	.47	.030	.013
11-13	--	.66	.15	.42	.025	.013
13-14	--	.67	.09	.38	.035	.018
14-16	--	.72	.11	.32	.030	.019
16-17	--	.66	.06	.28	.030	.013
17-19	--	.67	.07	.85	.120	.013
19-20	--	.76	.07	.60	.090	.013
20-22	--	.74	.07	.54	.070	.012
22-23	--	.83	.05	.40	.055	.011
23-25	--	1.1	.04	.33	.035	.010
25-27	--	1.1	.04	.39	.030	.011
27-28	--	1.1	.09	.40	.030	.011
28-30	--	.66	.03	.43	.025	.013
JAN						
06-07	<10	1.2	.06	.33	.210	.015
07-09	6	1.0	.05	.72	.160	.014
09-10	<6	.97	.03	.62	.095	.012

STREAMS TRIBUTARY TO LAKE ONTARIO

431510077363501 GENESEE RIVER AT CHARLOTTE PUMP STATION, NEAR ROCHESTER, NY--Continued

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

DATE	TIME	ENDING TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	TUR-BID-ITY (NTU) (00076)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)
JAN 31-							
FEB 01	1010	2110	861	2.9	85	52	--
01-03	2210	0910	905	4.2	91	59	--
03-05	1005	0905	893	--	103	72	--
05-07	1005	0905	860	2.4	98	60	--
07-08	1145	2245	837	3.7	98	70	--
08-10	2345	1045	819	2.1	99	62	--
10-12	1205	1105	899	3.1	98	63	--
12-14	1205	1105	1070	2.4	106	86	--
18-20	1055	0955	1140	4.2	77	86	--
20-22	1055	0955	1060	2.3	80	86	--
22-23	1015	0915	1120	2.4	77	80	--
23-24	1015	0915	1710	3.0	85	98	--
24-26	1105	1405	7140	85	66	116	141
28-29	1105	2205	8280	70	60	59	111
FEB 29-							
MAR 02	2305	1005	8150	110	49	45	128
02-03	1105	1405	8060	110	41	48	184
03-06	1505	1005	8160	180	35	38	213
06-07	1140	2240	8090	42	45	46	123
07-09	2340	0940	8120	38	35	31	122
09-11	0940	1940	8010	45	36	45	99
13-14	1040	2140	6770	31	42	63	56
14-16	2240	0940	6020	28	48	60	39
16-17	1040	1340	5480	23	55	66	--
20-21	1145	2245	5090	34	55	57	65
21-23	2345	1045	4250	24	57	57	--
23-25	1055	0955	3660	18	63	51	--
25-27	1055	0955	2820	17	93	46	--
27-28	1035	2135	2390	9.7	71	53	--
29-30	2235	0935	2120	9.0	69	48	--
MAR 30-							
APR 01	1040	0940	2180	5.6	70	48	--
01-03	1040	0940	1900	5.6	74	55	--
03-04	1055	2155	2880	12	70	53	--
04-06	2255	0955	5930	28	63	61	--
06-07	1040	1740	4700	49	58	51	74
07-09	1840	0140	6020	42	55	52	45
09-10	0240	0940	10800	78	43	46	90
10-11	1105	2205	8060	100	51	49	141
11-13	2305	1005	8650	40	47	45	65
13-15	1040	0940	9070	80	41	34	126
15-17	1040	0940	8120	50	35	29	46
17-18	1045	0645	7750	55	34	27	102
24...	1045	--	8680	100	46	43	168
24-25	1050	0950	7480	53	46	46	86
25-26	1050	0950	6280	39	41	34	64
27-29	1035	0935	6270	26	43	34	--
APR 29-							
MAY 01	1035	0935	3690	12	49	33	--
01-02	1025	2125	2750	12	57	37	--
02-04	2225	0925	2860	8.5	70	52	--
04-06	1020	0920	1850	17	71	53	--
06-08	1020	0920	1350	12	76	47	--
08-09	1010	2110	2530	15	91	51	--
09-11	2210	0910	3220	12	69	43	--
11-13	1025	0125	3860	11	60	39	--
15-16	1120	2220	5870	37	62	42	59
16-18	2320	1020	4900	17	61	44	--
18-20	1100	1000	3520	18	65	53	--
20-22	1100	0800	6060	35	54	40	45
22-24	0805	0705	5520	77	48	38	93
24-26	0805	0705	6280	43	42	34	53
26-28	1050	0950	5610	28	43	34	--
28-30	1050	0950	4260	18	42	29	--

STREAMS TRIBUTARY TO LAKE ONTARIO

431510077363501 GENESEE RIVER AT CHARLOTTE PUMP STATION, NEAR ROCHESTER, NY--Continued

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

DATE	RESIDUE VOLATILE, SUSPENDED (MG/L) (00535)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)
JAN 31-						
FEB 01	--	1.3	.10	.31	.035	.015
01-03	--	1.3	.14	.39	.040	.015
03-05	--	1.3	.16	.37	.035	.018
05-07	--	1.3	.15	.34	.035	.018
07-08	--	1.4	.20	.38	.030	.022
08-10	--	1.4	.20	.40	.030	.018
10-12	--	1.4	.22	.55	.040	.018
12-14	--	1.3	.16	.43	.035	.016
18-20	--	1.2	.07	.35	.025	.010
20-22	--	1.1	.04	.31	.015	.008
22-23	--	1.0	.05	.21	.025	.011
23-24	--	1.1	.09	.40	.025	.013
24-26	11	2.3	.08	.83	.180	.025
28-29	9	2.6	.06	1.2	.180	.026
FEB 29-						
MAR 02	10	1.9	.06	1.0	.150	.018
02-03	12	1.5	.04	1.0	.210	.012
03-06	13	1.3	.05	1.1	.190	.011
06-07	10	1.4	.03	.74	.150	.010
07-09	9	1.3	.05	.39	.140	.014
09-11	<10	1.3	.07	.38	.130	.011
13-14	<5	1.4	.04	.64	.070	.010
14-16	<5	1.4	.04	.39	.055	.011
16-17	--	1.5	.02	.47	.050	.009
20-21	<5	1.4	.02	.40	.070	.009
21-23	--	1.5	.03	.40	.055	.009
23-25	--	1.3	.04	.38	.040	.008
25-27	--	1.2	.03	.31	.040	.008
27-28	--	1.2	.06	.30	.040	.008
29-30	--	1.1	.07	.35	.040	.009
MAR 30-						
APR 01	--	1.0	.05	.33	.025	.013
01-03	--	1.1	.05	.35	.035	.013
03-04	--	1.0	.05	.38	.055	.011
04-06	--	1.3	.05	.57	.075	.017
06-07	6	1.1	.04	.59	.095	.012
07-09	5	1.0	.05	.45	.085	.017
09-10	8	1.3	.05	.69	.180	.024
10-11	13	1.6	.03	.57	.040	.020
11-13	6	1.3	.04	.41	.095	.014
13-15	10	1.1	.04	.40	.140	.014
15-17	<5	1.0	.02	.39	.080	.012
17-18	7	1.0	.02	.58	.110	.011
24...	13	1.5	.04	1.4	.180	.016
24-25	8	1.3	.04	.90	.110	.015
25-26	6	1.2	.03	.68	.085	.013
27-29	--	.98	.06	.63	.090	.010
APR 29-						
MAY 01	--	1.1	.04	.40	.050	.013
01-02	--	1.1	.07	.46	.045	.012
02-04	--	1.1	.08	.50	.040	.011
04-06	--	.96	.11	.93	.050	.011
06-08	--	.88	.13	.73	.055	.014
08-09	--	.87	.07	.74	.060	.014
09-11	--	.89	.07	.52	.040	.011
11-13	--	.89	.09	.55	N	N
15-16	5	1.0	.05	.84	.120	.030
16-18	--	.79	.05	.57	.065	.023
18-20	--	.82	.07	.56	.065	.020
20-22	<5	.86	.08	.54	.075	.020
22-24	7	.78	.04	.74	.120	.016
24-26	<5	.73	.05	.67	.090	.015
26-28	--	.89	.04	.44	.985	.022
28-30	--	.82	.04	.39	.060	.021

N Presumptive evidence of presence of material.

STREAMS TRIBUTARY TO LAKE ONTARIO

431510077363501 GENESEE RIVER AT CHARLOTTE PUMP STATION, NEAR ROCHESTER, NY--Continued

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

DATE	TIME	ENDING TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND (00060)	TUR-BID-ITY (NTU) (00076)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)
MAY 30-JUN 01	1020	0920	2550	19	50	33	--
01-03	1020	0120	1910	22	65	40	--
03-04	0220	2120	1840	18	70	41	--
05-06	1050	2150	1770	18	76	60	--
07-08	2250	0950	2360	20	70	44	--
08-10	1110	1010	1880	22	73	56	--
10-12	1110	1010	1920	38	80	48	75
12-13	1105	2205	3120	13	72	45	--
13-15	2305	1005	6720	47	48	39	74
15-17	1035	1735	6100	71	47	31	99
19-20	1045	2145	7170	110	32	21	--
20-22	2245	0945	7210	69	31	28	--
22-24	1035	0935	6580	78	37	29	--
24-26	1035	1335	4670	48	33	22	--
26-27	1035	2135	2360	32	45	32	--
27-29	2235	0935	2320	25	55	31	--
JUN 29-JUL 01	1110	1010	1710	29	63	40	--
01-02	1110	2110	1380	25	63	38	--
03-04	1105	2205	1220	20	73	40	--
05-06	2305	1005	1150	17	78	45	--
06-08	1015	0915	1060	12	84	45	--
08-10	1015	0915	912	14	85	45	--
10-11	1045	0945	928	29	88	50	--
12-13	0445	0045	848	10	92	51	--
17...	1110	--	1090	8.5	86	44	--
17-18	1110	1310	1140	10	83	44	--
18-19	1410	1610	1210	10	101	48	--
20-21	1020	1720	937	8.1	117	51	--
21-23	1820	0120	804	6.9	107	47	--
24-27	1120	0720	724	9.1	97	49	--
JUL 31-AUG 01	1045	0645	858	13	95	51	--
01-02	0745	0645	1110	10	92	49	--
03-05	1050	0950	1720	13	86	48	--
05-07	1050	0950	1110	9.9	68	38	--
07-08	1105	2205	2780	13	74	41	--
08-10	2305	0905	3240	240	45	39	196
10-12	1345	1245	4400	390	42	26	285
12-14	1345	1045	3300	250	46	24	456
14-15	1040	2340	1800	59	54	29	69
SEP 01-03	1510	1410	546	14	91	50	--
03-05	1510	1010	571	17	88	47	--
05-06	1035	0935	654	9.9	95	50	--
06-07	1035	0935	622	12	101	52	--
07-09	1035	0935	514	10	103	56	--
09-11	1035	0935	831	9.3	99	60	--
11-12	1105	2205	983	14	80	43	--
12-14	2305	1005	736	10	85	48	--
14-16	1055	0955	948	11	79	46	--
16-18	1055	0955	1020	12	93	43	--
18-19	1125	2225	741	10	109	57	--
19-21	2325	0925	704	12	93	46	--
21-23	1025	0525	641	14	83	46	--
23-25	1025	0925	2480	16	87	53	--
25-26	1045	2145	2970	44	68	48	52
26-28	2245	0945	1470	35	61	34	47
28-30	1010	0910	864	16	71	38	--
SEP 30-OCT 02	1010	0910	808	12	74	48	--

STREAMS TRIBUTARY TO LAKE ONTARIO

431510077363501 GENESEE RIVER AT CHARLOTTE PUMP STATION, NEAR ROCHESTER, NY--Continued

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

DATE	RESIDUE VOLATILE, SUSPENDED (MG/L) (00535)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)
MAY 30-						
JUN 01	--	.85	.07	.42	.062	.020
01-03	--	.84	.12	.58	.080	.022
03-04	--	.89	.11	.70	.060	.023
05-06	--	.85	.08	.46	.075	.020
07-08	--	.87	.12	.50	.065	.018
08-10	--	.93	.12	.62	.055	.024
10-12	6	.96	.08	.60	.100	.024
12-13	--	.82	.07	.40	.065	.022
13-15	7	1.1	.06	.68	.120	.027
15-17	7	1.1	.05	.85	.150	.028
19-20	--	.63	.04	.72	.160	.022
20-22	--	.69	.05	.70	.120	.023
22-24	--	.70	.04	.69	.140	.030
24-26	--	.70	.04	.51	.100	.020
26-27	--	.75	.05	.55	.085	.024
27-29	--	.87	.09	.65	.085	.029
JUN 29-						
JUL 01	--	.90	.09	.54	.085	.030
01-02	--	.90	.15	.66	.080	.028
03-04	--	.85	.10	.67	.080	.025
05-06	--	.96	.09	.45	.065	.025
06-08	--	.84	.10	.88	.060	.025
08-10	--	.72	.16	.59	.060	.023
10-11	--	.68	.15	.69	.070	.021
12-13	--	.85	.14	.63	.045	.017
17...	--	.69	.16	.20	.045	.020
17-18	--	.65	.12	.46	.050	.021
18-19	--	.72	.10	.42	.050	.022
20-21	--	.84	.12	.44	.055	.024
21-23	--	.96	.15	.23	.070	.031
24-27	--	.81	.10	.63	.060	.025
JUL 31-						
AUG 01	--	.52	.09	.43	.070	.022
01-02	--	.60	.10	.49	.065	.022
03-05	--	.80	.09	.68	.070	.027
05-07	--	.73	.11	.49	.090	.028
07-08	--	.70	.10	.43	.065	.036
08-10	12	.76	.05	.94	.270	.027
10-12	16	.67	.06	1.4	.290	.026
12-14	23	.64	.06	.63	.380	.021
14-15	5	.70	.06	.57	.120	.029
SEP						
01-03	--	.72	.32	.73	.080	.037
03-05	--	.68	.25	.65	.080	.034
05-06	--	.69	.19	.48	.065	.038
06-07	--	.64	.12	.46	.075	.037
07-09	--	.72	.16	.53	.060	.027
09-11	--	.87	.25	.61	.060	.030
11-12	--	.78	.08	.42	.065	.024
12-14	--	.97	.15	.54	.060	.025
14-16	--	.94	.17	.40	.060	.025
16-18	--	.91	.13	.47	.060	.027
18-19	--	.81	.06	.55	.060	.030
19-21	--	.93	.13	.47	.060	.028
21-23	--	.86	.17	.66	.060	.030
23-25	--	.74	.08	.47	.055	.029
25-26	<5	1.1	.06	.66	.110	.033
26-28	<5	1.1	.13	.55	.100	.032
28-30	--	1.1	.19	.74	.080	.043
SEP 30-						
OCT 02	--	1.1	.19	.64	.080	.043

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

In June, 1997, New York State and the U. S. Geological Survey began a cooperative effort to monitor pesticides in order to assess the presence and distribution of pesticides and their residues in waters of the State. The initial monitoring effort included a statewide survey of pesticide concentrations in surface waters of the State, particularly in areas where pesticides are used and areas where surface water provides water supply. In the 2000 water year, water samples were collected from 49 sites in western New York State and analyzed for up to 61 pesticides or pesticide degradates.

The following sites were sampled as part of the state-wide sampling network in cooperation with the New York State Department of Environmental Conservation. The sampling network includes sites in eastern New York excluding Long Island (vol. 1), Long Island (vol. 2), and western New York (vol. 3). The sites located in eastern New York and Long Island are published in their respective volumes.

Samples collected before January 2000 were analyzed for pesticides using the USGS NWQL SH2001 method (table 4) and the Kansas Organic Geochemistry Laboratory GCMS and HPLC method (tables 5 and 6). Samples collected from January 2000 to current were analuzed for pesticides using the USGS NWQL SH2001 method and the Kansas Organic Geochemistry Laboratory LCMS method (table 7).

Method Detection Limits

REMARKS.--Tables 4-7 list the pesticides analyzed for, the unit of measure (micrograms per liter, ug/L), the U.S. Geological Survey National Water Information System parameter code, and the method detection limit (MDL). These pesticide schedules include selected pesticides and metabolites that are efficiently partitioned from a water sample by solid-phase extraction and are sufficiently volatile and thermally stable for analysis by gas and liquid chromatography. Samples are filtered through a glass-fiber membrane filter with openings that are 0.7 microns in size to remove sediment and microorganisms. Therefore, the schedules are suitable for compounds dissolved in water. Pesticide compounds measured at or above the MDL in one or more samples are listed in the water-quality table following the MDL tables. The MDL provides an index to indicate where measurement uncertainty is increased. When an analyte is detected and all criteria for a positive result are met, the concentration is reported. If the concentration is less than the MDL, an 'E' code will be reported with the value. If the analyte is qualitatively identified as present, but the quantitative determination is substantially more uncertain, the NWQL will identify the result with an 'E' code even though the measured value is greater than the MDL. A value reported with an 'E' code should be used with caution. When no analyte is detected in a sample, the default reporting value is the MDL preceded by a less-than sign (<).

Table 4. Schedule of compounds analyzed using the USGS NWQL SH2001 method.

Parameter Code	Compound Name	MDL	Unit	Parameter Code	Compound Name	MDL	Unit
49260	ACETOCHLOR	0.002	ug/L	82667	METHYL PARATHION	0.006	ug/L
46342	ALACHLOR	0.002	ug/L	39415	METOLACHLOR	0.002	ug/L
34253	ALPHA BCH	0.002	ug/L	82630	METRIBUZIN	0.004	ug/L
39632	ATRAZINE	0.001	ug/L	82671	MOLINATE	0.004	ug/L
82673	BENFLURALIN	0.002	ug/L	82684	NAPROPAMIDE	0.003	ug/L
04028	BUTYLATE	0.002	ug/L	34653	P,P'-DDE	0.006	ug/L
82680	CARBARYL	0.003	ug/L	39542	PARATHION	0.004	ug/L
82674	CARBOFURAN	0.003	ug/L	82669	PEBULATE	0.004	ug/L
38933	CHLORPYRIFOS	0.004	ug/L	82683	PENDIMETHALIN	0.004	ug/L
04041	CYANAZINE	0.004	ug/L	82687'	CIS-PERMETHRIN	0.005	ug/L
82682	DCPA	0.002	ug/L	82664	PHORATE	0.002	ug/L
04040	DESETHYL ATRAZINE	0.002	ug/L	04037	PROMETON	0.018	ug/L
39572	DIAZINON	0.002	ug/L	82676	PRONAMIDE	0.003	ug/L
39381	DIELDRIN	0.001	ug/L	04024	PROPACHLOR	0.007	ug/L
82660	2,6-DIETHYLANILINE	0.003	ug/L	82679	PROPANIL	0.004	ug/L
82677	DISULFOTON	0.017	ug/L	82685	PROPARGITE	0.013	ug/L
82668	EPTC	0.002	ug/L	04035	SIMAZINE	0.005	ug/L
82663	ETHALFLURALIN	0.004	ug/L	82670	TEBUTHIURON	0.010	ug/L
82672	ETHOPROP	0.003	ug/L	82665	TERBACIL	0.007	ug/L
04095	FONOFOS	0.003	ug/L	82675	TERBUFOS	0.013	ug/L
39341	LINDANE	0.004	ug/L	82681	THIOBENCARB	0.002	ug/L
82666	LINURON	0.002	ug/L	82678	TRIALLATE	0.001	ug/L
39532	MALATHION	0.005	ug/L	82661	TRIFLURALIN	0.002	ug/L
82686	METHYL AZINPHOS	0.001	ug/L				

Table 5. Schedule of compounds analyzed using the Kansas 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	DEISOPROPYLATRAZINE	0.05	ug/L	38888	TERBUTRYN	0.05	ug/L

Table 6. Schedule of compounds analyzed using the Kansas laboratory HPLC method.

Parameter Code	Compound Name	MDL	Unit	Parameter Code	Compound Name	MDL	Unit
61029	ACETOCHLOR ESA	0.20	ug/L	61031	ALACHLOR OA	0.20	ug/L
61030	ACETOCHLOR OA	0.20	ug/L	61043	METOLACHLOR ESA	0.20	ug/L
50009	ALACHLOR ESA	0.20	ug/L	61044	METOLACHLOR OA	0.20	ug/L

Table 7. Schedule of compounds analyzed using the Kansas laboratory LCMS method.

Parameter Code	Compound Name	MDL	Unit	Parameter Code	Compound Name	MDL	Unit
61029	ACETOCHLOR ESA	0.05	ug/L	61031	ALACHLOR OA	0.05	ug/L
61030	ACETOCHLOR OA	0.05	ug/L	61043	METOLACHLOR ESA	0.05	ug/L
50009	ALACHLOR ESA	0.05	ug/L	61044	METOLACHLOR OA	0.05	ug/L

ESA Ethanesulfonic acid
OA Oxanilic acid

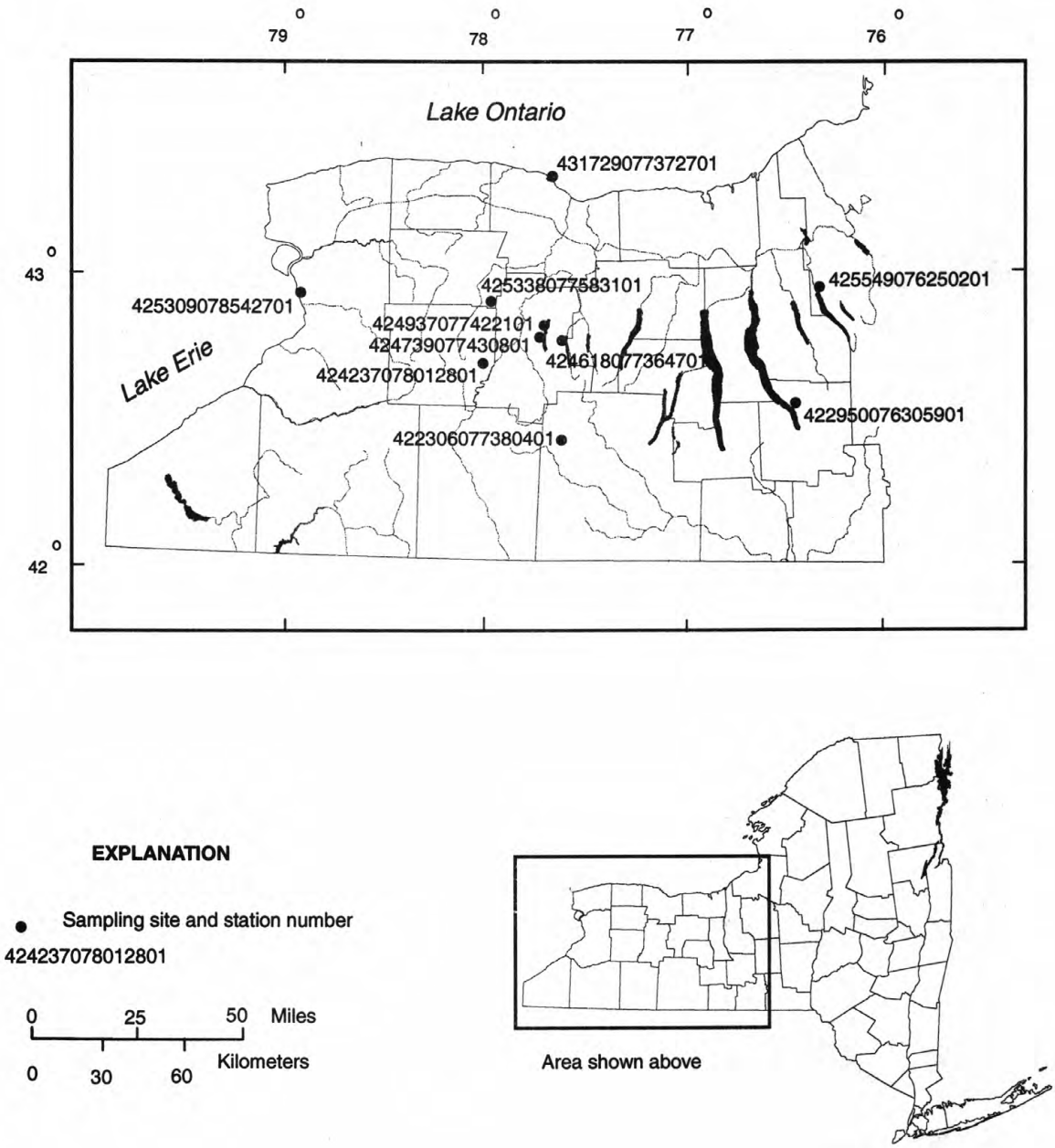


Figure 9. --Location of public-water-supply intake sites in western New York that were sampled in water year 2000 for pesticide analysis.

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

The following pesticide analyses were determined as part of the statewide monitoring program for pesticides with the New York State Department of Environmental Conservation, in cooperation with the U.S. Geological Survey, and the U.S. Geological Survey National Water Quality Assessment (NAWQA) Program in New York State. The samples were collected to assess pesticide concentrations at selected surface-water locations that serve as public-water supplies in western New York. Several herbicides were detected in the sites though State or Federal drinking-water standards were not exceeded in any sample. Sample sites are shown in fig. 9.

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)	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)
422306077380401 HORNELL RESERVOIR 1 WATER-SUPPLY INTAKE, NY											
JAN											
11...	1300	<.002	<.002	.0092	E.0084	<.001	<.002	<.002	<.003	<.003	<.004
MAY											
16...	0900	<.002	.0291	.0163	E.0134	<.001	<.002	<.002	<.003	<.003	<.004
JUL											
25...	1110	<.002	.0340	.201	E.0360	<.001	<.002	<.002	<.003	<.003	<.004
SEP											
11...	1140	<.002	.0273	.0750	E.0244	<.001	<.002	<.002	<.003	<.003	<.004
422950076305901 CAYUGA LAKE, BOLTON PT., WATER-SUPPLY INTAKE, NY											
JAN											
10...	1100	<.002	<.002	.131	E.122	<.001	<.002	<.002	<.003	<.003	<.004
MAY											
15...	1350	<.002	<.002	.113	E.0744	<.001	<.002	<.002	<.003	<.003	<.004
JUL											
26...	1410	<.002	<.002	.153	E.106	<.001	<.002	<.002	<.003	<.003	<.004
SEP											
12...	0820	<.002	<.002	.152	E.128	<.001	<.002	<.002	<.003	<.003	<.004
424237078012801 SILVER LAKE WATER-SUPPLY INTAKE AT PERRY, NY											
JAN											
10...	1310	<.002	<.002	.148	E.0746	<.001	<.002	<.002	<.003	<.003	<.004
MAY											
16...	1000	<.002	<.002	.161	E.0734	<.001	<.002	<.002	<.003	<.003	<.004
JUL											
25...	1430	<.002	.0047	.189	E.0678	<.001	<.002	<.002	<.003	<.003	<.004
SEP											
12...	1100	<.002	<.002	.181	E.0955	<.001	<.002	<.002	<.003	<.003	<.004
424618077364701 HEMLOCK LAKE WATER-SUPPLY INTAKE, NY											
JAN											
10...	1400	<.002	<.002	.0165	E.0079	<.001	<.002	<.002	<.003	<.003	<.004
MAY											
16...	1430	<.002	<.002	.0180	E.0130	<.001	<.002	<.002	<.003	<.003	<.004
JUL											
25...	1200	<.002	<.002	.0262	E.0147	<.001	<.002	<.002	<.003	<.003	<.004
SEP											
12...	1430	<.002	<.002	.0255	E.0138	<.001	<.002	<.002	<.003	<.003	<.004
424735077595401 LAGRANGE LAKE OUTFLOW, NY											
MAY											
15...	1030	<.002	<.002	.227	E.0638	<.001	<.002	<.002	<.003	<.003	<.004
JUL											
25...	1050	<.002	<.002	.351	E.0872	<.001	<.002	<.002	<.003	<.003	<.004
SEP											
11...	1130	<.002	<.002	.294	E.103	<.001	<.002	<.002	<.003	<.003	<.004
424739077430801 CONESUS LAKE, GENESEO PUBLIC-SUPPLY INTAKE, NY											
MAY											
16...	1300	<.002	<.002	.0923	E.0235	<.001	<.002	<.002	<.003	<.003	<.004
JUL											
25...	1300	<.002	<.002	.106	E.0402	<.001	<.002	<.002	<.003	<.003	<.004
SEP											
12...	1400	<.002	<.002	.100	E.0430	<.001	<.002	<.002	<.003	<.003	<.004

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000 --Continued

DATE	CYANAZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	P,P' DDE DISSOLV (UG/L) (34653)	DIAZINON, DISSOLVED (UG/L) (39572)	DIELDRIN DISSOLVED (UG/L) (39381)	2,6-DIETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	DISULFOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHALFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHOPROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)
422306077380401 HORNELL RESERVOIR 1 WATER-SUPPLY INTAKE, NY											
JAN 11...	<.010	<.002	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
MAY 16...	<.004	<.002	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
JUL 25...	.0453	<.002	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
SEP 11...	<.004	<.002	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
422950076305901 CAYUGA LAKE, BOLTON PT., WATER-SUPPLY INTAKE, NY											
JAN 10...	.0177	<.002	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
MAY 15...	.0147	<.002	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
JUL 26...	.0144	<.002	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
SEP 12...	.0106	<.002	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
424237078012801 SILVER LAKE WATER-SUPPLY INTAKE AT PERRY, NY											
JAN 10...	.0113	<.002	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
MAY 16...	<.010	<.002	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
JUL 25...	.0078	<.002	<.006	<.002	<.001	<.003	<.017	<.010	<.004	<.003	<.003
SEP 12...	<.004	<.002	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
424618077364701 HEMLOCK LAKE WATER-SUPPLY INTAKE, NY											
JAN 10...	<.004	<.002	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
MAY 16...	<.004	<.002	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
JUL 25...	<.004	<.002	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
SEP 12...	<.004	<.002	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
424735077595401 LAGRANGE LAKE OUTFLOW, NY											
MAY 15...	<.010	<.002	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
JUL 25...	.0060	<.002	<.006	<.002	<.001	<.003	<.017	E.0031	<.004	<.003	<.003
SEP 11...	<.004	<.002	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
424739077430801 CONESUS LAKE, GENESEO PUBLIC-SUPPLY INTAKE, NY											
MAY 16...	<.010	<.002	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
JUL 25...	.0100	<.002	<.006	<.002	<.001	<.003	<.017	.0043	<.004	<.003	<.003
SEP 12...	.0102	<.002	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000 --Continued

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)	PARA-THION, DIS-SOLVED (UG/L) (39542)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)
422306077380401 HORNELL RESERVOIR 1 WATER-SUPPLY INTAKE, NY										
JAN 11...	<.002	<.004	<.002	<.005	.0146	<.004	<.004	<.003	<.004	<.006
MAY 16...	<.002	<.004	<.002	<.005	.0118	<.004	<.004	<.003	<.004	<.006
JUL 25...	<.002	<.004	<.002	<.005	.246	.0052	<.004	<.003	<.004	<.006
SEP 11...	<.002	<.004	<.002	<.005	.0501	<.004	<.004	<.003	<.004	<.006
422950076305901 CAYUGA LAKE, BOLTON PT., WATER-SUPPLY INTAKE, NY										
JAN 10...	<.002	<.004	<.002	<.005	.0504	<.004	<.004	<.003	<.004	<.006
MAY 15...	<.002	<.004	<.002	<.005	.0403	<.004	<.004	<.003	<.004	<.006
JUL 26...	<.002	<.004	<.002	<.005	.0876	<.004	<.004	<.003	<.004	<.006
SEP 12...	<.002	<.004	<.002	<.005	.0744	<.004	<.004	<.003	<.004	<.006
424237078012801 SILVER LAKE WATER-SUPPLY INTAKE AT PERRY, NY										
JAN 10...	<.002	<.004	<.002	<.005	.0440	<.004	<.004	<.003	<.004	<.006
MAY 16...	<.002	<.004	<.002	<.005	.0902	<.004	<.004	<.003	<.004	<.006
JUL 25...	<.002	<.004	<.002	<.005	.101	<.004	<.004	<.003	<.004	<.006
SEP 12...	<.002	<.004	<.002	<.005	.0694	<.004	<.004	<.003	<.004	<.006
424618077364701 HEMLOCK LAKE WATER-SUPPLY INTAKE, NY										
JAN 10...	<.002	<.004	<.002	<.005	.0117	<.004	<.004	<.003	<.004	<.006
MAY 16...	<.002	<.004	<.002	<.005	.0097	<.004	<.004	<.003	<.004	<.006
JUL 25...	<.002	<.004	<.002	<.005	.0118	<.004	<.004	<.003	<.004	<.006
SEP 12...	<.002	<.004	<.002	<.005	.0109	<.004	<.004	<.003	<.004	<.006
424735077595401 LAGRANGE LAKE OUTFLOW, NY										
MAY 15...	<.002	<.004	<.002	<.005	.249	<.004	<.004	<.003	<.004	<.006
JUL 25...	<.002	<.004	<.002	<.005	.241	<.004	<.004	<.003	<.004	<.006
SEP 11...	<.002	<.004	<.002	<.005	.0781	<.004	<.004	<.003	<.004	<.006
424739077430801 CONESUS LAKE, GENESEO PUBLIC-SUPPLY INTAKE, NY										
MAY 16...	<.002	<.004	<.002	<.005	.0237	<.004	<.004	<.003	<.004	<.006
JUL 25...	<.002	<.004	<.002	<.005	.0332	<.004	<.004	<.003	<.004	<.006
SEP 12...	<.002	<.004	<.002	<.005	.0255	<.004	<.004	<.003	<.004	<.006

ANALYSES OF SAMPLES AT WATER-QUALITY PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000 --Continued

DATE	PEBULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDIMETHALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PERMETHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PROMETON, WATER, DISS, REC (UG/L) (04037)	PRONAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	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)
422306077380401 HORNELL RESERVOIR 1 WATER-SUPPLY INTAKE, NY										
JAN 11...	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004	<.013	<.005
MAY 16...	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004	<.013	<.005
JUL 25...	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004	<.013	<.005
SEP 11...	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004	<.013	<.005
422950076305901 CAYUGA LAKE, BOLTON PT., WATER-SUPPLY INTAKE, NY										
JAN 10...	<.004	<.004	<.005	<.002	E.0043	<.003	<.007	<.004	<.013	.0150
MAY 15...	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004	<.013	.0114
JUL 26...	<.004	<.004	<.005	<.002	E.0035	<.003	<.007	<.004	<.013	.0117
SEP 12...	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004	<.013	.0111
424237078012801 SILVER LAKE WATER-SUPPLY INTAKE AT PERRY, NY										
JAN 10...	<.004	<.004	<.005	<.002	E.0146	<.003	<.007	<.004	<.013	.0108
MAY 16...	<.004	<.004	<.005	<.002	E.0117	<.003	<.007	<.004	<.013	.0135
JUL 25...	<.004	<.004	<.005	<.002	E.0109	<.003	<.007	<.004	<.013	.0124
SEP 12...	<.004	<.004	<.005	<.002	E.0102	<.003	<.007	<.004	<.013	.0122
424618077364701 HEMLOCK LAKE WATER-SUPPLY INTAKE, NY										
JAN 10...	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004	<.013	<.005
MAY 16...	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004	<.013	.0070
JUL 25...	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004	<.013	.0068
SEP 12...	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004	<.013	<.005
424735077595401 LAGRANGE LAKE OUTFLOW, NY										
MAY 15...	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004	<.013	<.005
JUL 25...	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004	<.013	.0055
SEP 11...	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004	<.013	<.005
424739077430801 CONESUS LAKE, GENESEO PUBLIC-SUPPLY INTAKE, NY										
MAY 16...	<.004	<.004	<.005	<.002	E.0055	<.003	<.007	<.004	<.013	.0578
JUL 25...	<.004	<.004	<.005	<.002	E.0047	<.003	<.007	<.004	<.013	.0481
SEP 12...	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004	<.013	.0489

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000 --Continued

DATE	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	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)
422306077380401 HORNELL RESERVOIR 1 WATER-SUPPLY INTAKE, NY										
JAN 11...	<.010	<.007	<.013	<.002	<.001	<.002	<.05	<.05	<.05	<.05
MAY 16...	<.010	<.007	<.013	<.005	<.001	<.002	--	--	--	--
JUL 25...	<.010	<.007	<.013	<.002	<.001	<.002	--	--	--	--
SEP 11...	<.010	<.007	<.013	<.002	<.001	<.002	--	--	--	--
422950076305901 CAYUGA LAKE, BOLTON PT., WATER-SUPPLY INTAKE, NY										
JAN 10...	<.010	<.007	<.013	<.002	<.001	<.002	<.05	<.05	<.05	<.05
MAY 15...	<.010	<.007	<.013	<.002	<.001	<.002	--	--	--	--
JUL 26...	<.010	<.007	<.013	<.002	<.001	<.002	--	--	--	--
SEP 12...	<.010	<.007	<.013	<.002	<.001	<.002	--	--	--	--
424237078012801 SILVER LAKE WATER-SUPPLY INTAKE AT PERRY, NY										
JAN 10...	<.010	<.007	<.013	<.002	<.001	<.002	<.05	<.05	<.05	<.05
MAY 16...	<.010	<.007	<.013	<.002	<.001	<.002	--	--	--	--
JUL 25...	<.010	<.007	<.013	<.002	<.001	<.002	--	--	--	--
SEP 12...	<.010	<.007	<.013	<.002	<.001	<.002	--	--	--	--
424618077364701 HEMLOCK LAKE WATER-SUPPLY INTAKE, NY										
JAN 10...	<.010	<.007	<.013	<.002	<.001	<.002	<.05	<.05	<.05	<.05
MAY 16...	<.010	<.007	<.013	<.002	<.001	<.002	--	--	--	--
JUL 25...	<.010	<.007	<.013	<.002	<.001	<.002	--	--	--	--
SEP 12...	<.010	<.007	<.013	<.002	<.001	<.002	--	--	--	--
424735077595401 LAGRANGE LAKE OUTFLOW, NY										
MAY 15...	<.010	<.007	<.013	<.002	<.001	<.002	--	--	--	--
JUL 25...	<.010	<.007	<.013	<.002	<.001	<.002	--	--	--	--
SEP 11...	<.010	<.007	<.013	<.002	<.001	<.002	--	--	--	--
424739077430801 CONESUS LAKE, GENESEO PUBLIC-SUPPLY INTAKE, NY										
MAY 16...	<.010	<.007	<.013	<.002	<.001	<.002	--	--	--	--
JUL 25...	<.010	<.007	<.013	<.002	<.001	<.002	--	--	--	--
SEP 12...	<.010	<.007	<.013	<.002	<.001	<.002	--	--	--	--

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000 --Continued

DATE	TER-BUTRYN WATER, DISS, REC (UG/L) (38888)	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)	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)
422306077380401 HORNELL RESERVOIR 1 WATER-SUPPLY INTAKE, NY										
JAN 11...	<.05	<.20	<.20	<.20	<.20	.54	<.20	<.05	--	--
MAY 16...	--	.20	<.05	<.05	<.05	.88	.35	--	--	--
JUL 25...	--	<.05	--	<.05	.06	--	.33	--	<.05	<.05
SEP 11...	--	.11	<.05	<.05	.08	.63	.12	--	<.05	<.05
422950076305901 CAYUGA LAKE, BOLTON PT., WATER-SUPPLY INTAKE, NY										
JAN 10...	<.05	<.20	<.20	<.20	<.20	.33	<.05	<.05	--	--
MAY 15...	--	.21	<.05	<.05	<.05	.61	.30	--	--	--
JUL 26...	--	<.05	<.05	<.05	<.05	.49	.23	--	<.05	<.05
SEP 12...	--	<.05	<.05	<.05	<.05	.54	.22	--	<.05	<.05
424237078012801 SILVER LAKE WATER-SUPPLY INTAKE AT PERRY, NY										
JAN 10...	<.05	<.20	<.20	.70	<.20	.61	<.20	<.05	--	--
MAY 16...	--	.29	<.05	<.05	.08	.82	.46	--	--	--
JUL 25...	--	.20	<.05	<.05	.08	.96	.47	--	<.05	<.05
SEP 12...	--	.21	<.05	<.05	.07	1.06	.44	--	<.05	<.05
424618077364701 HEMLOCK LAKE WATER-SUPPLY INTAKE, NY										
JAN 10...	<.05	<.20	<.20	<.20	<.20	<.20	<.20	<.05	--	--
MAY 16...	--	<.05	<.05	<.05	<.05	.23	<.05	--	--	--
JUL 25...	--	<.05	<.05	<.05	<.05	.11	.09	--	<.05	<.05
SEP 12...	--	<.05	<.05	<.05	<.05	.11	<.05	--	<.05	<.05
424735077595401 LAGRANGE LAKE OUTFLOW, NY										
MAY 15...	--	.33	<.05	<.05	.10	2.04	1.06	--	--	--
JUL 25...	--	.17	<.05	<.05	.08	1.89	.91	--	<.05	<.05
SEP 11...	--	.16	<.05	<.05	<.05	1.87	.90	--	<.05	<.05
424739077430801 CONESUS LAKE, GENESEO PUBLIC-SUPPLY INTAKE, NY										
MAY 16...	--	.21	<.05	<.05	<.05	.30	.07	--	--	--
JUL 25...	--	.10	<.05	<.05	.06	.21	.13	--	<.05	<.05
SEP 12...	--	.10	<.05	<.05	<.05	.22	.09	--	<.05	<.05

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000 --Continued

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)	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)
424937077422101 CONESUS LAKE, TOWN OF AVON PUBLIC-SUPPLY INTAKE NY											
MAY											
16...	1230	<.002	<.002	.0856	E.0356	<.001	<.002	<.002	<.003	<.003	<.004
JUL											
25...	1330	<.002	<.002	.114	E.0408	<.001	<.002	<.002	<.003	<.003	<.004
25...	1335	<.002	<.002	.113	E.0367	<.001	<.002	<.002	<.003	<.003	<.004
SEP											
12...	1200	<.002	<.002	.0987	E.0383	<.001	<.002	<.002	<.003	<.003	<.004
425309078542701 CITY OF BUFFALO, LAKE ERIE INTAKE, NY											
JAN											
10...	1040	<.002	<.002	.0819	E.0464	<.001	<.002	<.002	<.003	<.003	<.004
MAY											
15...	1130	<.002	<.002	.0708	E.0403	<.001	<.002	<.002	<.003	<.003	<.004
JUL											
25...	1210	<.002	<.002	.0909	E.0426	<.001	<.002	<.002	<.003	<.003	<.004
SEP											
11...	1230	<.002	<.002	.0876	E.0478	<.001	<.002	<.002	<.003	<.003	<.004
425338077583101 LEROY RESERVOIR, RAW WATER SUPPLY, LEROY, NY											
DEC											
20...	1130	<.002	<.002	.0607	E.0420	<.001	<.002	<.002	<.003	<.003	<.004
JAN											
10...	1230	<.002	<.002	.0713	E.0390	<.001	<.002	<.002	<.003	<.003	<.004
MAY											
15...	1000	.0088	.0053	.0679	E.0597	<.01	<.002	<.002	<.003	<.003	<.004
30...	1100	.0068	.0048	.0617	E.0683	<.001	<.002	<.002	<.003	<.003	<.004
JUN											
12...	1220	<.002	.0079	.0918	E.0579	<.01	<.002	E.0022	<.003	<.003	<.004
27...	1120	<.002	.176	.170	E.0693	<.001	<.002	<.002	<.003	<.003	<.004
JUL											
10...	1100	<.002	.102	.179	E.0989	<.001	<.002	<.002	<.003	<.003	<.004
25...	1030	<.002	.0651	.176	E.0800	<.001	<.002	<.002	<.003	<.003	<.004
AUG											
08...	1050	<.002	.0459	.186	E.0718	<.001	<.002	<.002	<.003	<.003	<.004
21...	1230	<.002	.0435	.214	E.0830	<.001	<.002	<.002	<.003	<.003	<.004
SEP											
11...	1100	<.002	.0214	.211	E.0896	<.001	<.002	<.002	<.003	<.003	<.004
425549076250201 SKANEATELES LAKE WATER-SUPPLY INTAKE 1, NY											
JAN											
19...	1400	<.002	<.002	.0300	E.0559	<.001	<.002	<.002	<.003	<.003	<.004
MAY											
15...	1010	<.002	<.002	.0287	E.0564	<.001	<.002	<.002	<.003	<.003	<.004
JUL											
25...	1140	<.002	.0126	.0662	E.0569	<.001	<.002	<.002	<.003	<.003	<.004
SEP											
11...	1400	<.002	.0099	.0554	E.0633	<.001	<.002	<.002	<.003	<.003	<.004
431729077372701 MONROE COUNTY WATER AUTH. LAKE ONTARIO INTAKE, NY											
JAN											
19...	1130	<.002	<.002	.0776	E.0350	<.001	<.002	<.002	<.003	<.003	<.004
MAY											
22...	1140	<.002	<.002	.0803	E.0494	<.001	<.002	<.002	<.003	<.003	<.004
JUL											
25...	1410	<.002	<.002	.0876	E.0484	<.001	<.002	<.002	<.003	<.003	<.004
SEP											
11...	1500	<.002	<.002	.0832	E.0524	<.001	<.002	<.002	<.003	<.003	<.004

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000 --Continued

DATE	CYANAZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	P,P' DDE DISSOLV (UG/L) (34653)	DIAZINON, DISSOLVED (UG/L) (39572)	DIELDRIN DISSOLVED (UG/L) (39381)	2,6-DIETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	DISULFOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHALFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHOPROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)
424937077422101 CONESUS LAKE, TOWN OF AVON PUBLIC-SUPPLY INTAKE NY											
MAY											
16...	<.010	<.002	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
JUL											
25...	.0087	<.002	<.006	<.002	<.001	<.003	<.017	.0107	<.004	<.003	<.003
25...	.0108	<.002	<.006	<.002	<.001	<.003	<.017	.0112	<.004	<.003	<.003
SEP											
12...	.0071	<.002	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
425309078542701 CITY OF BUFFALO, LAKE ERIE INTAKE, NY											
JAN											
10...	.0297	<.002	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
MAY											
15...	.0201	<.002	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
JUL											
25...	.0176	<.002	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
SEP											
11...	.0142	<.002	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
425338077583101 LEROY RESERVOIR, RAW WATER SUPPLY, LEROY, NY											
DEC											
20...	.0122	<.002	<.006	<.002	<.001	<.003	<.017	<.01	<.004	<.003	<.003
JAN											
10...	.0149	<.002	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
MAY											
15...	.0083	<.002	<.006	<.002	<.001	<.003	<.017	<.007	<.004	<.003	<.003
30...	.0063	<.002	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
JUN											
12...	<.009	<.002	<.006	<.002	<.001	<.003	<.017	E.0033	<.004	<.003	<.003
27...	<.004	<.002	<.006	<.002	<.001	<.003	<.017	.0128	<.004	<.003	<.003
JUL											
10...	.0059	<.002	<.006	<.002	<.001	<.003	<.017	.0132	<.004	<.003	<.003
25...	<.004	<.002	<.006	<.002	<.001	<.003	<.017	.0114	<.004	<.003	<.003
AUG											
08...	<.004	<.002	<.006	<.002	<.001	E.0019	<.017	.0079	<.004	<.003	<.003
21...	<.010	<.002	<.006	<.002	<.001	<.003	<.017	.0057	<.004	<.003	<.003
SEP											
11...	<.004	<.002	<.006	<.002	<.001	<.003	<.017	E.0033	<.004	<.003	<.003
425549076250201 SKANEATELES LAKE WATER-SUPPLY INTAKE 1, NY											
JAN											
19...	E.0039	<.002	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
MAY											
15...	<.004	<.002	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
JUL											
25...	<.004	<.002	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
SEP											
11...	<.004	<.002	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
431729077372701 MONROE COUNTY WATER AUTH. LAKE ONTARIO INTAKE, NY											
JAN											
19...	.0225	<.002	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003
MAY											
22...	.0204	<.002	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.010
JUL											
25...	.0187	<.002	<.006	<.002	<.001	<.003	<.017	E.0017	<.004	<.003	<.003
SEP											
11...	.0168	<.002	<.006	<.002	<.001	<.003	<.017	<.002	<.004	<.003	<.003

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000 --Continued

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)	PARA-THION, DIS-SOLVED (UG/L) (39542)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)
424937077422101 CONESUS LAKE, TOWN OF AVON PUBLIC-SUPPLY INTAKE NY										
MAY										
16...	<.002	<.004	<.002	<.005	.0220	<.004	<.004	<.003	<.004	<.006
JUL										
25...	<.002	<.004	<.002	<.005	.0339	<.004	<.004	<.003	<.004	<.006
25...	<.002	<.004	<.002	<.005	.0311	<.004	<.004	<.003	<.004	<.006
SEP										
12...	<.002	<.004	<.002	<.005	.0255	<.004	<.004	<.003	<.004	<.006
425309078542701 CITY OF BUFFALO, LAKE ERIE INTAKE, NY										
JAN										
10...	<.002	<.004	<.002	<.005	.0250	<.004	<.004	<.003	<.004	<.006
MAY										
15...	<.002	<.004	<.002	<.005	.0169	<.004	<.004	<.003	<.004	<.006
JUL										
25...	<.002	<.004	<.002	<.005	.0350	<.004	<.004	<.003	<.004	<.006
SEP										
11...	<.002	<.004	<.002	<.005	.0252	<.004	<.004	<.003	<.004	<.006
425338077583101 LEROY RESERVOIR, RAW WATER SUPPLY, LEROY, NY										
DEC										
20...	<.002	<.004	<.002	<.005	.0106	<.004	<.004	<.003	<.004	<.006
JAN										
10...	<.002	<.004	<.002	<.005	.0345	<.004	<.004	<.003	<.004	<.006
MAY										
15...	<.002	<.004	<.002	<.005	.151	<.004	<.004	<.003	<.004	<.006
30...	<.002	<.004	<.002	<.005	.125	<.004	<.004	<.003	<.004	<.006
JUN										
12...	<.002	<.004	<.002	<.005	.140	<.004	<.004	<.003	<.004	<.006
27...	<.002	<.004	<.002	<.005	.442	<.004	<.004	<.003	<.004	<.006
JUL										
10...	<.002	<.004	<.002	<.005	.355	<.004	<.004	<.003	<.004	<.006
25...	<.002	<.004	<.002	<.005	.243	<.004	<.004	<.003	<.004	<.006
AUG										
08...	<.002	<.004	<.002	<.005	.221	<.004	<.004	<.003	<.004	<.006
21...	<.002	<.004	<.002	<.005	.208	<.004	<.004	<.003	<.004	<.006
SEP										
11...	<.002	<.004	<.002	<.06	.132	<.004	<.004	<.003	<.004	<.006
425549076250201 SKANEATELES LAKE WATER-SUPPLY INTAKE 1, NY										
JAN										
19...	<.002	<.004	<.002	<.005	.0089	<.004	<.004	<.003	<.004	<.006
MAY										
15...	<.002	<.004	<.002	<.005	.0088	<.004	<.004	<.003	<.004	<.006
JUL										
25...	<.002	<.004	<.002	<.005	.0216	<.004	<.004	<.003	<.004	<.006
SEP										
11...	<.002	<.004	<.002	<.005	.0133	<.004	<.004	<.003	<.004	<.006
431729077372701 MONROE COUNTY WATER AUTH. LAKE ONTARIO INTAKE, NY										
JAN										
19...	<.002	<.004	<.002	<.005	.0178	<.004	<.004	<.003	<.004	<.006
MAY										
22...	<.002	<.004	<.002	<.005	.0172	<.004	<.004	<.003	<.004	<.006
JUL										
25...	<.002	<.004	<.002	<.005	.0234	<.004	<.004	<.003	<.004	<.006
SEP										
11...	<.002	<.004	<.002	<.005	.0182	<.004	<.004	<.003	<.004	<.006

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000 --Continued

DATE	PEBULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDIMETHALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PERMETHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PROMETON, WATER, DISS, REC (UG/L) (04037)	PRONAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	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)
424937077422101 CONESUS LAKE, TOWN OF AVON PUBLIC-SUPPLY INTAKE NY										
MAY										
16...	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004	<.013	.0556
JUL										
25...	<.004	<.004	<.005	<.002	E.0059	<.003	<.007	<.004	<.013	.0509
25...	<.004	<.004	<.005	<.002	E.0050	<.003	<.007	<.004	<.013	.0487
SEP										
12...	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004	<.013	.0443
425309078542701 CITY OF BUFFALO, LAKE ERIE INTAKE, NY										
JAN										
10...	<.004	<.004	<.005	<.002	E.0033	<.003	<.007	<.004	<.013	.0104
MAY										
15...	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004	<.013	.0157
JUL										
25...	<.004	<.004	<.005	<.002	E.0030	<.003	<.007	<.004	<.013	<.010
SEP										
11...	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004	<.013	.0082
425338077583101 LEROY RESERVOIR, RAW WATER SUPPLY, LEROY, NY										
DEC										
20...	<.004	<.004	<.005	<.002	E.0077	<.003	<.007	<.004	<.013	.0072
JAN										
10...	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004	<.013	<.005
MAY										
15...	<.004	<.005	<.005	<.002	<.018	<.003	<.007	<.004	<.013	.0082
30...	<.004	<.004	<.005	<.002	E.0042	<.003	<.007	<.004	<.013	.0060
JUN										
12...	<.004	<.007	<.005	<.002	E.0075	<.003	<.007	<.004	<.013	.0073
27...	<.004	<.004	<.005	<.002	E.0033	<.003	<.007	<.004	<.013	.0078
JUL										
10...	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004	<.013	E.0049
25...	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004	<.013	.0059
AUG										
08...	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004	<.013	.0055
21...	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004	<.013	<.010
SEP										
11...	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004	<.013	<.005
425549076250201 SKANEATELES LAKE WATER-SUPPLY INTAKE 1, NY										
JAN										
19...	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004	<.013	<.005
MAY										
15...	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004	<.013	<.005
JUL										
25...	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004	<.013	<.005
SEP										
11...	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004	<.013	<.005
431729077372701 MONROE COUNTY WATER AUTH. LAKE ONTARIO INTAKE, NY										
JAN										
19...	<.004	<.004	<.005	<.002	E.0043	<.003	<.007	<.004	<.013	.0099
MAY										
22...	<.004	<.004	<.005	<.002	E.0057	<.003	<.007	<.004	<.013	.0101
JUL										
25...	<.004	<.004	<.005	<.002	E.0037	<.003	<.007	<.004	<.013	.0099
SEP										
11...	<.004	<.004	<.005	<.002	<.018	<.003	<.007	<.004	<.013	<.0095

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000 --Continued

DATE	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	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)
424937077422101 CONESUS LAKE, TOWN OF AVON PUBLIC-SUPPLY INTAKE NY										
MAY										
16...	<.010	<.007	<.013	<.002	<.001	<.002	--	--	--	--
JUL										
25...	<.010	<.007	<.013	<.002	<.001	<.002	--	--	--	--
25...	<.010	<.007	<.013	<.002	<.001	<.002	--	--	--	--
SEP										
12...	<.010	<.007	<.013	<.002	<.001	<.002	--	--	--	--
425309078542701 CITY OF BUFFALO, LAKE ERIE INTAKE, NY										
JAN										
10...	<.010	<.007	<.013	<.002	<.001	<.002	<.05	<.05	<.05	<.05
MAY										
15...	<.010	<.007	<.013	<.002	<.001	<.002	--	--	--	--
JUL										
25...	<.010	<.007	<.013	<.002	<.001	<.002	--	--	--	--
SEP										
11...	<.010	<.007	<.013	<.002	<.001	<.002	--	--	--	--
425338077583101 LEROY RESERVOIR, RAW WATER SUPPLY, LEROY, NY										
DEC										
20...	<.010	<.007	<.013	<.002	<.001	<.002	<.005	E.008	--	--
JAN										
10...	<.010	<.007	<.013	<.002	<.001	<.002	<.05	<.05	<.05	<.05
MAY										
15...	<.010	<.007	<.013	<.002	<.001	<.002	<.005	E.016	--	--
30...	<.010	<.007	<.013	<.002	<.001	<.002	<.005	E.011	--	--
JUN										
12...	<.010	<.007	<.013	<.002	<.001	<.002	<.005	E.026	--	--
27...	<.010	<.007	<.013	<.002	<.001	<.002	<.005	<.074	--	--
JUL										
10...	<.010	<.007	<.013	<.002	<.001	<.002	<.005	<.074	--	--
25...	<.010	<.007	<.013	<.002	<.001	<.002	<.005	E.035	--	--
AUG										
08...	<.010	<.10	<.013	<.002	<.001	<.002	<.005	E.041	--	--
21...	<.010	<.007	<.013	<.002	<.001	<.002	<.005	E.017	--	--
SEP										
11...	<.010	<.007	<.013	<.002	<.001	<.002	<.005	E.014	--	--
425549076250201 SKANEATELES LAKE WATER-SUPPLY INTAKE 1, NY										
JAN										
19...	<.010	<.007	<.013	<.002	<.001	<.002	<.05	<.05	<.05	<.05
MAY										
15...	<.010	<.007	<.013	<.002	<.001	<.002	--	--	--	--
JUL										
25...	<.010	<.007	<.013	<.002	<.001	<.002	--	--	--	--
SEP										
11...	<.010	<.007	<.013	<.002	<.001	<.002	--	--	--	--
431729077372701 MONROE COUNTY WATER AUTH. LAKE ONTARIO INTAKE, NY										
JAN										
19...	<.010	<.007	<.013	<.002	<.001	<.002	<.05	<.05	<.05	<.05
MAY										
22...	<.010	<.007	<.013	<.002	<.001	<.002	--	--	--	--
JUL										
25...	<.010	<.007	<.013	<.002	<.001	<.002	--	--	--	--
SEP										
11...	<.010	<.007	<.013	<.002	<.001	<.002	--	--	--	--

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000 --Continued

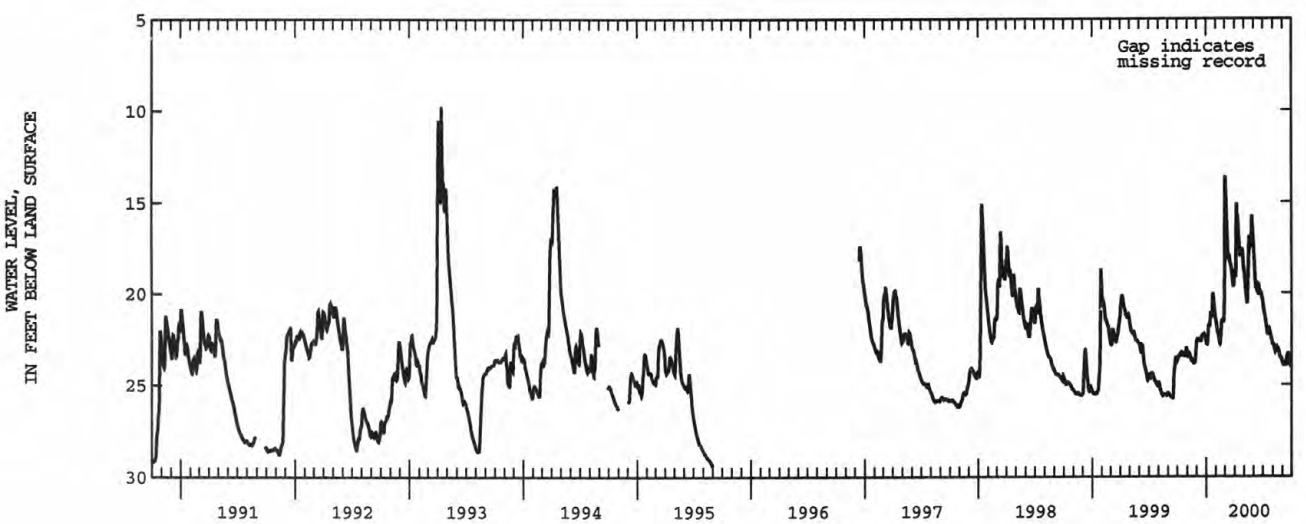
DATE	TER-BUTRYN WATER, DISS, REC (UG/L) (38888)	ALA-CHLOR, (ESA) WAT FLT GF 0.7U REC (UG/L) (50009)	ACETO-CHLOR ESA FLTRD 0.7 UM GF REC (UG/L) (61029)	ACETO-CHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61030)	ALA-CHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61031)	METOLA-CHLOR ESA FLTRD 0.7 UM GF REC (UG/L) (61043)	METOLA-CHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61044)	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)
424937077422101 CONESUS LAKE, TOWN OF AVON PUBLIC-SUPPLY INTAKE NY										
MAY										
16...	--	.22	<.05	<.05	.05	.34	.21	--	--	--
JUL										
25...	--	.10	<.05	<.05	.06	.21	.16	--	<.05	<.05
25...	--	.09	<.05	<.05	.06	.20	.12	--	<.05	<.05
SEP										
12...	--	.10	<.05	<.05	<.05	.23	.09	--	<.05	<.05
425309078542701 CITY OF BUFFALO, LAKE ERIE INTAKE, NY										
JAN										
10...	<.05	<.05	<.05	<.05	<.05	.07	.06	<.05	--	--
MAY										
15...	--	.21	.21	.06	<.05	.27	.08	--	--	--
JUL										
25...	--	<.05	.05	<.05	<.05	.11	.10	--	<.05	<.05
SEP										
11...	--	<.05	<.05	<.05	<.05	.09	.06	--	<.05	<.05
425338077583101 LEROY RESERVOIR, RAW WATER SUPPLY, LEROY, NY										
DEC										
20...	--	.19	<.05	<.05	.05	1.23	.59	--	--	--
JAN										
10...	<.05	<.20	<.20	--	<.20	1.14	--	<.05	--	--
MAY										
15...	--	.25	<.05	<.05	.09	1.35	.83	.19	--	--
30...	--	.37	<.05	<.05	.08	3.47	1.81	--	--	--
JUN										
12...	--	.36	<.05	<.05	.09	3.30	1.71	--	--	--
27...	--	.36	<.05	<.05	.13	2.52	1.76	--	--	--
JUL										
10...	--	.32	<.05	<.05	.11	3.40	1.70	--	<.05	<.05
25...	--	.28	<.05	<.05	.08	3.10	1.53	--	<.05	<.05
AUG										
08...	--	.30	<.05	<.05	.18	4.26	1.63	--	<.05	<.05
21...	--	.37	<.05	<.05	.28	2.49	1.54	--	<.05	<.05
SEP										
11...	--	.44	<.05	<.05	.30	3.52	1.67	--	<.05	<.05
425549076250201 SKANEATELES LAKE WATER-SUPPLY INTAKE 1, NY										
JAN										
19...	<.05	<.20	<.20	<.20	<.20	<.20	<.20	<.05	--	--
MAY										
15...	--	.20	<.05	<.05	<.05	.26	.05	--	--	--
JUL										
25...	--	<.05	<.05	<.05	<.05	.07	.06	--	<.05	<.05
SEP										
11...	--	<.05	<.05	<.05	<.05	<.05	<.05	--	<.05	<.05
431729077372701 MONROE COUNTY WATER AUTH. LAKE ONTARIO INTAKE, NY										
JAN										
19...	<.05	<.20	<.20	<.20	<.20	<.20	<.20	<.05	--	--
MAY										
22...	--	<.05	<.05	<.05	<.05	.22	<.05	--	--	--
JUL										
25...	--	<.05	<.05	<.05	<.05	.09	.07	--	<.05	<.05
SEP										
11...	--	<.05	<.05	<.05	<.05	.08	.07	--	<.05	<.05

BROOME COUNTY

420657075583501. Local number, Bm 121.
LOCATION.--Lat 42°06'57", long 75°58'35", Hydrologic Unit 02050103, at Camden and Main Streets, Johnson City. Owner: U.S. Geological Survey.
AQUIFER.--Unconfined aquifer in sand of Pleistocene age.
WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in., depth 53 ft, cased to 53 ft, open end.
INSTRUMENTATION.--Electronic data recorder--hourly; periodic measurements by USGS personnel.
DATUM.--Elevation of land-surface datum is 833.62 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of shelter base, 3.42 ft above land-surface datum.
REMARKS.--Well cleaned from 46 ft to original depth on Oct. 19, 1970. Water level affected by floods of Susquehanna River and by pumping from municipal well field 1,100 ft south.
PERIOD OF RECORD.--March 1947 to August 1995, December 1996 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 9.69 ft below land-surface datum, Apr. 12, 1993; lowest, 33.47 ft below land-surface datum, Sep. 23, 1965.
EXTREMES FOR CURRENT YEAR.--Highest water level, 13.48 ft below land-surface datum, Mar. 2; lowest, 24.07 ft below land-surface datum, Sep. 30.

WATER LEVEL, FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

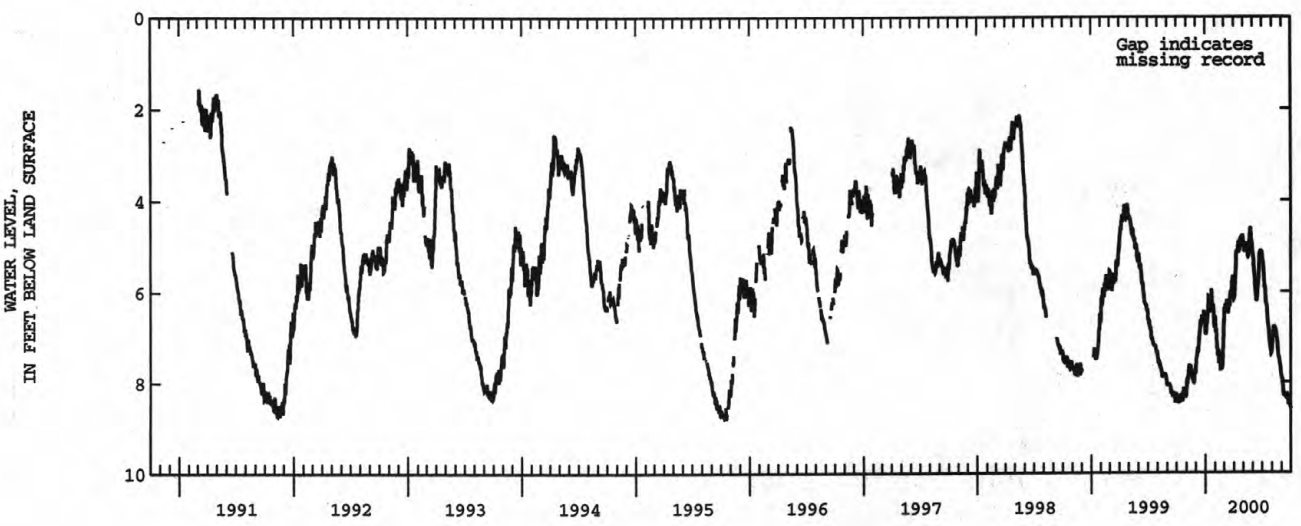
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23.62	23.42	22.57	22.76	21.64	13.85	18.93	19.00	18.23	20.69	22.78	23.82
2	23.57	23.44	22.60	22.78	21.77	13.62	19.09	19.22	18.56	20.85	22.79	23.87
3	23.50	23.42	22.65	22.79	21.90	14.36	19.15	19.47	18.85	20.99	22.81	23.85
4	23.44	23.33	22.66	22.73	22.04	15.16	18.24	19.68	19.12	21.07	22.86	23.82
5	23.43	23.26	22.63	22.41	22.14	15.88	16.19	19.85	19.37	21.13	22.93	23.84
6	23.45	23.25	22.56	22.01	22.18	16.52	15.12	20.04	19.57	21.22	23.01	23.87
7	23.44	23.29	22.52	21.78	22.23	17.06	15.20	20.22	19.68	21.34	23.09	23.84
8	23.39	23.34	22.52	21.75	22.34	17.50	15.69	20.37	19.71	21.47	23.16	23.79
9	23.36	23.41	22.56	21.80	22.44	17.83	15.77	20.52	19.75	21.60	23.22	23.76
10	23.33	23.48	22.57	21.84	22.56	18.11	15.78	20.59	19.79	21.73	23.19	23.81
11	23.28	23.52	22.58	21.71	22.65	18.22	16.01	20.00	19.87	21.86	23.12	23.90
12	23.25	23.57	22.61	21.41	22.74	18.10	16.41	19.49	19.91	22.00	23.07	23.98
13	23.27	23.63	22.64	21.13	22.77	17.95	16.80	18.81	19.79	22.12	23.08	23.89
14	23.30	23.67	22.64	21.12	22.73	17.95	17.16	18.22	19.65	22.23	23.04	23.65
15	23.36	23.65	22.59	21.19	22.46	18.13	17.42	17.40	19.52	22.31	22.98	23.48
16	23.37	23.63	22.49	21.26	22.06	18.32	17.65	16.89	19.54	22.24	23.00	23.41
17	23.33	23.66	22.39	21.35	21.74	18.40	17.89	17.05	19.70	22.06	23.06	23.35
18	23.31	23.67	22.32	21.15	21.55	18.45	18.01	17.42	19.86	21.96	23.11	23.30
19	23.32	23.71	22.32	20.70	21.53	18.50	17.82	17.61	19.89	21.94	23.14	23.31
20	23.36	23.79	22.34	20.44	21.54	18.62	17.82	17.40	19.89	21.98	23.20	23.42
21	23.42	23.83	22.32	20.12	21.53	18.77	17.95	17.28	19.99	22.08	23.28	23.52
22	23.44	23.84	22.26	20.02	21.53	18.93	17.89	17.40	19.98	22.16	23.37	23.63
23	23.44	23.84	22.26	20.20	21.57	19.13	17.64	17.43	19.98	22.23	23.45	23.73
24	23.42	23.82	22.31	20.48	21.56	19.32	17.57	16.97	20.04	22.32	23.50	23.81
25	23.40	23.78	22.27	20.64	21.37	19.48	17.75	16.09	20.11	22.41	23.54	23.89
26	23.34	23.66	22.30	20.86	20.77	19.60	18.03	15.78	20.19	22.48	23.54	23.95
27	23.11	23.46	22.37	21.04	20.00	19.66	18.30	15.99	20.25	22.51	23.54	23.99
28	22.97	23.13	22.42	21.20	18.23	19.59	18.50	16.40	20.32	22.59	23.59	24.00
29	23.08	22.78	22.47	21.37	15.44	19.18	18.67	16.91	20.39	22.69	23.65	24.02
30	23.26	22.61	22.56	21.50	---	18.81	18.84	17.38	20.52	22.76	23.71	24.06
31	23.36	---	22.68	21.57	---	18.78	---	17.81	---	22.78	23.76	---
MEAN	23.35	23.50	22.48	21.39	21.55	17.86	17.44	18.22	19.73	21.93	23.21	23.75
MAX	23.62	23.84	22.68	22.79	22.77	19.66	19.15	20.59	20.52	22.78	23.76	24.06
MIN	22.97	22.61	22.26	20.02	15.44	13.62	15.12	15.78	18.23	20.69	22.78	23.30



420530078445201. Local number, Ct 121.
LOCATION.--Lat 42°05'30", long 78°44'52", Hydrologic Unit 05010001, near Red House. Owner: New York State Department of Environmental Conservation.
AQUIFER.--Confined aquifer in sand and gravel of Pleistocene age.
WELL CHARACTERISTICS.--Drilled unused well, diameter 6 in, depth 53 ft, cased to 53 ft, open end.
INSTRUMENTATION.--Electronic data recorder--30 minute; periodic measurements by USGS personnel.
DATUM.--Elevation of land-surface datum is 1,467.08 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.28 ft above land-surface datum, reset to 2.29 ft above land-surface datum, Apr. 3, 1997.
REMARKS.--Well is in a New York State owned and operated campground area. Extreme low water levels occurred from 1969 to 1979 due to the effect of pumping at the campground area. A central water system for the campground, utilizing a well about 1.5 mi from the observation well was put in operation in 1980.
PERIOD OF RECORD.--September 1950 to current year. Prior to Mar. 5, 1990, weekly float tape readings by observer.
EXTREMES FOR PERIOD OF RECORD.--September 1950 to September 1983: Highest water level measured, 2.12 ft below land-surface datum, Apr. 8, 1982; lowest, 34.87 ft below land-surface datum, Nov. 21, 1972.
October 1983 to current year: Highest water level, 0.97 ft below land-surface datum, June 26, 1989; lowest, 14.04 ft, below land-surface datum, Sep. 7, 1984.
EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 4.59 ft below land-surface datum, May 23, 24; lowest recorded, 8.60 ft below land-surface datum, Sep. 29.

WATER LEVEL, FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

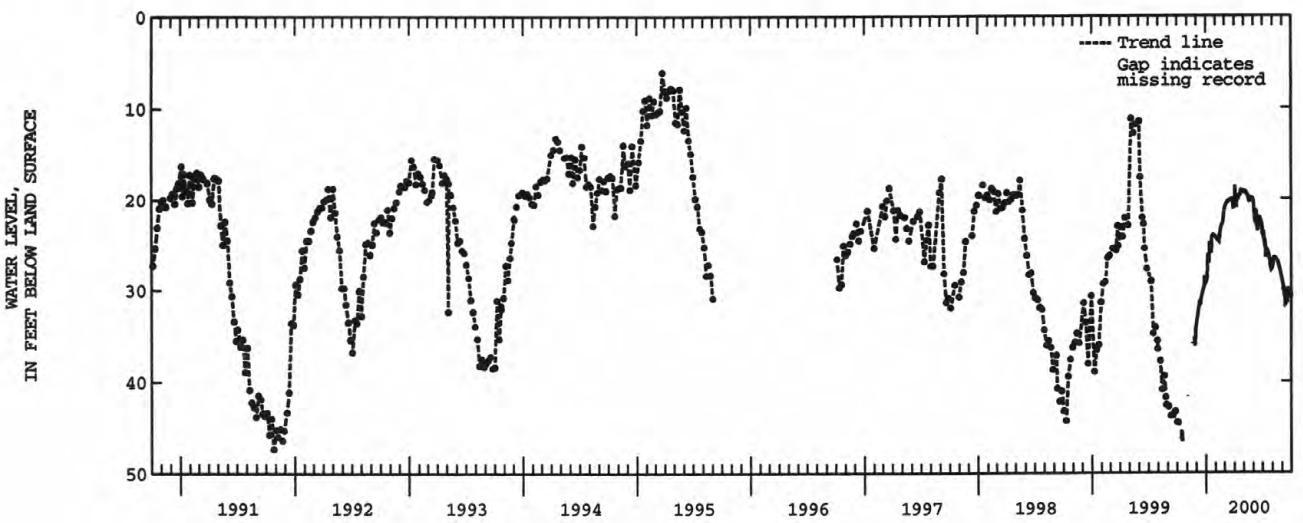
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.31	8.23	7.65	6.96	6.68	6.39	6.15	4.94	5.21	5.29	7.16	7.92
2	8.36	7.97	7.49	6.91	6.90	6.38	6.04	4.98	5.23	5.32	7.05	7.93
3	8.42	7.93	7.44	6.88	6.82	6.42	5.94	5.13	5.43	5.34	7.00	7.97
4	8.36	8.05	7.43	6.56	6.87	6.31	5.68	5.09	5.51	5.41	6.99	8.03
5	8.39	7.97	7.34	6.71	7.08	6.30	5.64	5.08	5.59	5.50	6.91	8.21
6	8.36	7.88	7.25	6.65	7.22	6.46	5.40	5.08	5.65	5.61	6.80	8.26
7	8.47	7.87	7.36	6.48	7.21	6.40	5.50	5.05	5.83	5.77	6.77	8.25
8	8.41	7.78	7.34	6.46	7.42	6.29	5.17	5.01	5.88	5.90	6.81	8.22
9	8.36	7.67	7.25	6.32	7.29	6.19	5.13	4.94	5.97	5.90	6.77	8.26
10	8.33	7.62	7.00	6.11	7.31	6.40	5.13	4.97	6.08	5.90	6.80	8.30
11	8.40	7.81	7.13	6.12	7.36	6.39	5.12	5.12	6.17	6.07	6.83	8.31
12	8.45	7.78	7.03	6.41	7.59	6.29	5.10	5.00	6.21	6.20	6.84	8.31
13	8.28	7.70	6.92	6.24	7.47	6.48	5.15	4.99	6.19	6.26	6.88	8.34
14	8.35	7.63	6.85	6.47	7.33	6.40	5.01	5.15	6.13	6.27	6.93	8.34
15	8.40	7.71	6.75	6.35	7.60	6.30	4.93	5.22	5.97	6.30	7.00	8.28
16	8.35	7.72	6.65	6.11	7.52	6.22	4.93	5.23	5.85	6.42	7.01	8.32
17	8.32	7.87	6.70	6.38	7.75	6.27	4.98	5.22	5.82	6.57	7.10	8.35
18	8.34	7.91	6.72	6.13	7.55	6.33	5.01	5.17	5.77	6.66	7.12	8.36
19	8.42	7.91	6.69	6.03	7.50	6.10	5.08	5.17	5.65	6.74	7.23	8.35
20	8.37	7.88	6.54	5.96	7.62	6.04	5.06	5.00	5.49	6.78	7.35	8.32
21	8.32	7.94	6.59	6.17	7.70	6.05	4.85	4.91	5.25	6.81	7.43	8.34
22	8.13	7.97	6.64	6.31	7.70	6.07	4.83	4.78	5.14	6.94	7.45	8.50
23	8.17	8.01	6.61	6.30	7.68	6.05	4.82	4.66	5.16	7.07	7.43	8.41
24	8.31	7.96	6.64	6.36	7.57	5.96	4.81	4.60	5.18	7.11	7.50	8.38
25	8.34	8.05	6.68	6.29	7.36	5.79	4.80	4.68	5.09	7.18	7.59	8.43
26	8.26	7.82	6.43	6.35	7.16	5.80	4.80	4.88	5.13	7.25	7.61	8.44
27	8.32	7.77	6.55	6.59	6.83	5.69	4.78	4.94	5.14	7.28	7.63	8.48
28	8.34	7.78	6.55	6.73	6.74	5.67	4.78	4.89	5.19	7.31	7.73	8.52
29	8.30	7.72	6.64	6.80	6.71	5.89	4.85	4.99	5.12	7.37	7.80	8.58
30	8.30	7.73	6.73	6.68	---	6.07	5.00	5.13	5.18	7.36	7.84	8.56
31	8.27	---	6.89	6.55	---	6.16	---	5.14	---	7.29	7.90	---
MEAN	8.34	7.85	6.92	6.43	7.29	6.18	5.15	5.00	5.57	6.43	7.20	8.31
MAX	8.47	8.23	7.65	6.96	7.75	6.48	6.15	5.23	6.21	7.37	7.90	8.58
MIN	8.13	7.62	6.43	5.96	6.68	5.67	4.78	4.60	5.09	5.29	6.77	7.92



420815079121401. Local number, Cu 10.
LOCATION.--Lat 42°08'15", long 79°12'14", Hydrologic Unit 05010002, at Falconer. Owner: City of Jamestown.
AQUIFER.--Confined aquifer in sand and gravel of Pleistocene age.
WELL CHARACTERISTICS.--Drilled observation well, diameter 12 inch to 10 inch, depth 232 ft, filled in from original depth of 240 ft, diameter 12 inch from 0 ft to 130 ft, diameter 10 inch from 130 ft to 240 ft, slotted 130 ft to 144 ft, open end.
INSTRUMENTATION.--Electronic data recorder--hourly; periodic measurements by USGS personnel.
DATUM.--Elevation of land-surface datum is 1,252.52 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of well casing, 5.46 ft above land-surface datum.
REMARKS.--Water level affected by pumping from municipal well field.
PERIOD OF RECORD.--November 1939 to September 1943, August 1946 to August 1995, October 1996 to current. Records for November 1939 to September 1943, August 1946 to September 1976 are unpublished and available in files of the Geological Survey. Weekly measurements by City of Jamestown personnel until Oct. 13, 1999. Prior to Dec. 14, 1978, Type F graphic recorder at same site and datum. Dec. 14, 1978 to Sept. 16, 1982, digital recorder every fifth day high water-level published. Sept. 1982 to Sept. 1987, twice-daily readings by City of Jamestown personnel, every fifth day high water-level published.
REVISED RECORD.--WDR NY-87-3: 1983-86. WDR NY-91-3: 1988-90.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.2 ft above land-surface datum, Mar. 14, 1942; lowest measured, 66.6 ft below land-surface datum, Nov. 3, 1971.
EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 16.37 ft below land-surface datum, Apr. 2; lowest recorded, 47.64 ft below land-surface datum, Oct 14.

WATER LEVEL, FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

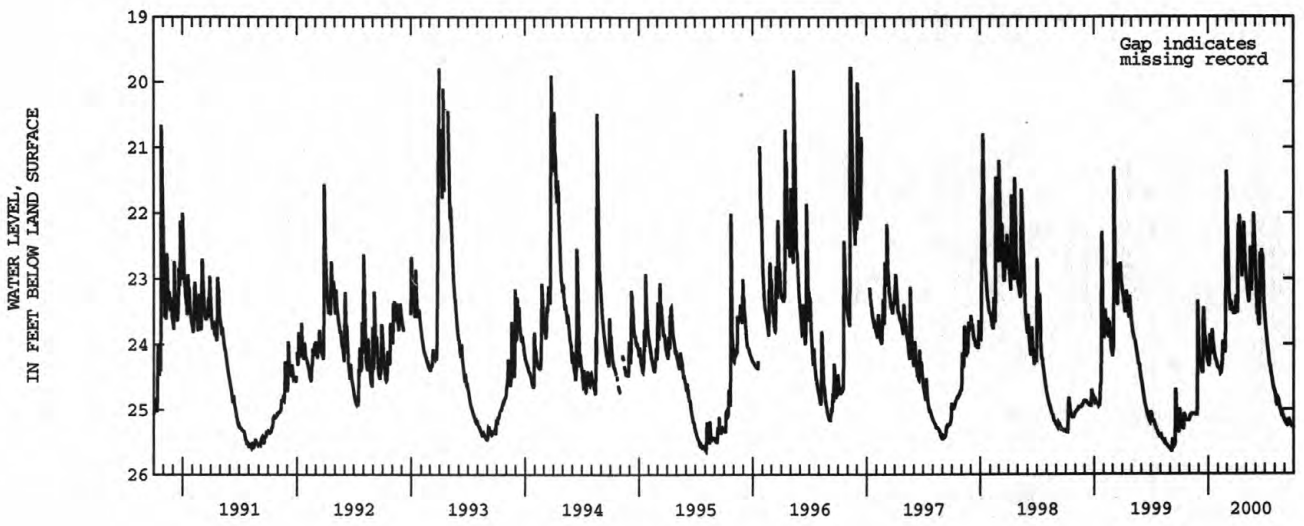
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	33.52	29.20	24.25	20.98	20.41	19.18	20.35	24.03	27.55	29.10
2	---	---	33.26	28.73	24.33	20.83	18.63	19.18	20.98	23.75	26.72	29.25
3	---	---	33.09	28.87	24.35	20.74	20.74	19.20	21.41	24.08	26.97	29.31
4	44.52	41.65	32.88	28.40	24.37	20.65	20.67	19.22	22.28	24.01	26.57	29.93
5	---	---	32.60	26.91	24.43	20.57	20.62	19.24	22.38	24.45	26.40	29.60
6	---	---	32.29	26.23	24.48	20.53	20.65	19.22	22.48	24.69	26.78	30.35
7	---	---	32.05	26.13	24.49	20.47	20.68	19.25	22.55	24.97	26.66	30.31
8	---	---	31.78	26.93	24.56	20.41	20.27	19.30	22.29	24.87	26.54	30.04
9	---	---	31.55	27.11	24.56	20.34	19.93	19.37	21.26	25.22	26.49	31.00
10	---	---	31.26	26.58	24.68	20.37	19.84	19.45	21.86	26.29	26.54	31.64
11	---	---	31.80	24.76	24.70	20.33	19.87	19.54	22.03	26.28	26.53	31.62
12	---	---	31.68	25.58	23.98	20.27	20.12	19.59	21.87	25.45	26.55	30.86
13	46.40	---	31.69	24.92	24.38	20.29	19.83	19.66	23.40	25.88	26.59	30.91
14	45.43	---	31.59	24.88	23.89	20.25	19.73	19.78	23.40	25.76	26.64	31.06
15	45.49	---	31.20	25.49	23.42	20.20	19.72	19.98	23.32	26.33	26.72	30.70
16	46.27	---	30.93	25.83	23.19	20.13	19.62	20.14	22.73	25.63	26.78	31.12
17	46.59	---	30.78	25.84	23.15	20.12	19.54	20.30	21.98	26.49	26.88	30.91
18	---	35.86	30.66	24.37	23.00	20.13	19.50	20.38	22.61	25.95	26.97	30.96
19	---	---	30.51	24.23	22.90	20.05	19.51	20.05	22.38	26.26	27.10	30.51
20	---	---	30.33	24.14	22.84	20.01	19.45	19.87	22.25	26.50	27.23	29.82
21	---	---	30.18	24.12	22.80	20.02	19.15	19.85	22.32	26.34	27.38	30.43
22	---	---	30.04	24.08	22.75	20.02	19.03	19.89	22.50	26.69	27.51	30.54
23	---	35.40	29.91	24.02	22.59	20.02	19.04	20.21	22.39	26.76	27.63	30.48
24	---	35.31	29.83	24.05	22.25	20.01	19.11	19.79	22.48	27.22	27.78	30.35
25	---	35.90	29.74	24.00	21.85	20.10	19.16	20.17	22.54	27.15	27.95	30.27
26	---	36.15	28.55	24.00	21.53	20.31	19.15	19.93	22.88	27.71	28.10	30.72
27	---	35.50	29.25	24.05	21.36	20.75	19.13	19.91	22.74	27.80	28.25	30.20
28	---	34.35	29.46	24.13	21.23	20.68	19.14	19.92	22.85	27.73	28.41	30.77
29	---	34.07	29.38	24.18	21.14	20.54	19.16	20.01	23.55	27.65	28.58	30.24
30	---	33.80	29.31	24.19	---	20.60	19.21	20.14	23.50	27.67	28.76	30.89
31	---	---	29.27	24.20	---	21.08	---	20.24	---	27.48	28.93	---
MEAN	45.78	35.80	30.98	25.49	23.36	20.38	19.69	19.74	22.39	26.04	27.24	30.46
MAX	46.59	41.65	33.52	29.20	24.70	21.08	20.74	20.38	23.55	27.80	28.93	31.64
MIN	44.52	33.80	28.55	24.00	21.14	20.01	18.63	19.18	20.35	23.75	26.40	29.10



420829076484801. Local number, Cm 46.
LOCATION.--Lat 42°08'29", long 76°48'48", Hydrologic Unit 02050105, near Horseheads. Owner: Unknown.
AQUIFER.--Unconfined aquifer in sand and gravel of Pleistocene age.
WELL CHARACTERISTICS.--Drilled unused well, diameter 6 inch, depth 34 ft, cased to 34 ft, open end.
INSTRUMENTATION.--Electronic data recorder--30-minute; periodic measurements by USGS personnel.
DATUM.--Elevation of land-surface datum is 885.69 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of pipe flange, 3.44 ft above land-surface datum.
REMARKS.--Water level affected by stage of Newtown Creek.
PERIOD OF RECORD.--October 1955 to current year. Records for October 1955 to September 1976 are unpublished and available in files of the Geological Survey. Prior to Feb. 25, 1988, monthly measurements with chalked tape by USGS personnel.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.93 ft below land-surface datum, April 25, 1961; lowest measured, 26.30 ft below land-surface datum, July 18, 1980.
EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 21.17 ft feet below land-surface datum. Feb. 28; lowest water level recorded, 25.29 ft below land-surface datum, Oct. 12, 13.

WATER LEVEL, FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24.99	25.14	24.15	24.32	24.35	22.35	23.48	23.03	23.25	23.63	24.75	25.17
2	25.05	25.13	24.21	24.32	24.36	22.61	23.52	23.05	23.34	23.71	24.78	25.18
3	25.12	25.10	24.26	24.31	24.37	22.81	23.30	23.08	23.41	23.77	24.81	25.15
4	25.16	25.10	24.28	24.00	24.37	22.96	22.32	23.15	23.48	23.80	24.85	25.17
5	25.18	25.09	24.29	23.85	24.38	23.06	22.17	23.20	23.55	23.85	24.88	25.19
6	25.20	25.09	24.31	23.98	24.40	23.18	22.50	23.24	23.52	23.91	24.90	25.19
7	25.23	25.07	24.31	24.05	24.40	23.26	22.71	23.29	23.47	23.97	24.91	25.21
8	25.25	25.07	24.35	24.10	24.44	23.33	22.76	23.32	23.55	24.02	24.93	25.23
9	25.27	25.07	24.38	24.13	24.43	23.37	22.04	23.36	23.63	24.07	24.94	25.24
10	25.28	25.07	24.40	24.13	24.43	23.43	22.18	23.23	23.66	24.09	24.85	25.25
11	25.28	25.07	24.41	23.86	24.38	23.48	22.32	23.09	23.71	24.14	24.82	25.26
12	25.29	25.07	24.42	23.78	24.31	23.38	22.46	23.15	23.32	24.19	24.83	---
13	25.29	25.07	24.44	23.86	24.28	23.35	22.60	22.98	23.15	24.25	24.87	---
14	25.20	25.07	24.41	23.95	24.21	23.41	22.71	22.52	22.64	24.30	24.91	25.14
15	25.06	25.07	23.64	24.01	23.98	23.46	22.81	22.75	22.62	24.32	24.94	25.16
16	25.07	25.07	23.44	24.01	23.95	23.50	22.90	22.94	22.80	24.32	24.96	25.16
17	25.10	25.07	23.61	24.08	24.00	23.44	22.97	23.08	22.61	24.34	24.98	25.17
18	25.13	25.07	23.75	24.12	24.02	23.45	22.70	23.18	22.71	24.38	25.00	25.20
19	25.14	25.07	23.85	24.14	24.04	23.47	22.40	22.80	22.56	24.43	25.02	25.21
20	25.15	25.08	23.92	24.14	24.07	23.50	22.58	22.53	22.77	24.46	25.03	25.22
21	25.16	25.08	23.88	24.16	24.11	23.54	22.61	22.62	22.92	24.48	25.05	25.22
22	25.16	25.08	23.92	24.20	24.11	23.47	22.34	22.74	22.64	24.49	25.07	25.24
23	25.16	25.08	23.99	24.22	24.00	23.47	22.14	22.82	22.83	24.54	25.06	25.25
24	25.16	25.08	24.07	24.23	23.63	23.51	22.31	22.41	23.03	24.58	25.05	25.25
25	25.16	25.08	24.14	24.25	23.05	23.54	22.48	22.00	23.16	24.61	25.08	25.26
26	25.16	24.84	24.15	24.26	22.39	23.47	22.62	22.31	23.27	24.64	25.09	25.26
27	25.16	23.34	24.18	24.27	22.07	23.49	22.73	22.58	23.35	24.68	25.11	25.27
28	25.16	23.71	24.24	24.31	21.36	23.35	22.80	22.76	23.42	24.70	25.13	25.27
29	25.16	23.94	24.26	24.32	21.87	23.26	22.88	22.91	23.50	24.68	25.14	25.27
30	25.16	24.07	24.27	24.34	---	23.35	22.96	23.04	23.56	24.71	25.16	25.26
31	25.15	---	24.29	24.35	---	23.43	---	23.15	---	24.73	25.16	---
MEAN	25.17	24.90	24.14	24.13	23.85	23.31	22.64	22.91	23.18	24.28	24.97	25.22
MAX	25.29	25.14	24.44	24.35	24.44	23.54	23.52	23.36	23.71	24.73	25.16	25.27
MIN	24.99	23.34	23.44	23.78	21.36	22.35	22.04	22.00	22.56	23.63	24.75	25.14

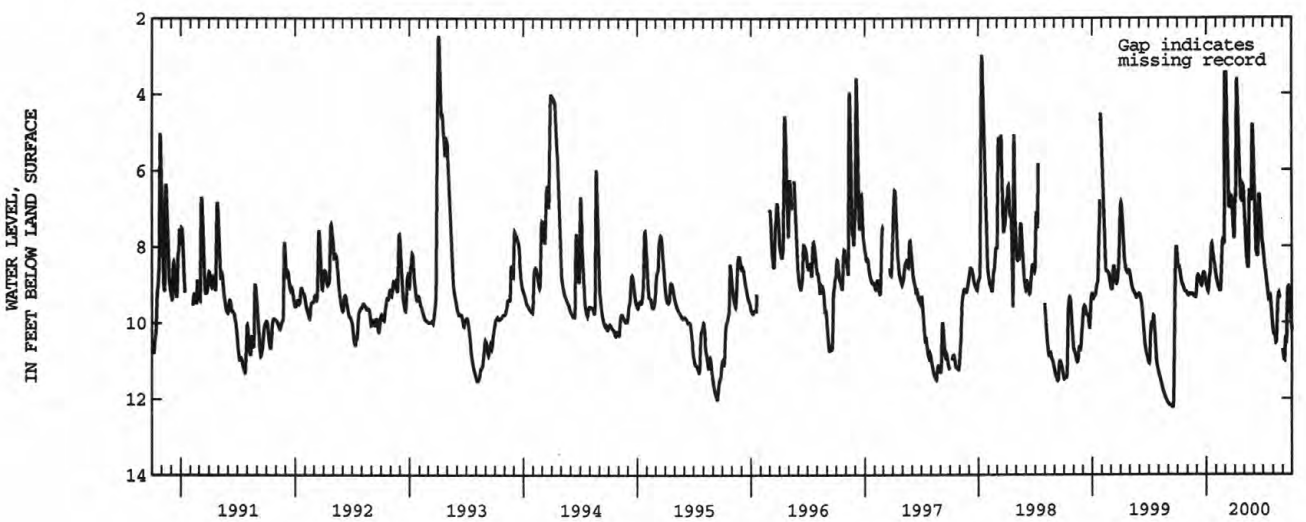


CHENANGO COUNTY

421556075281602. Local number, Cn 12.
LOCATION.--Lat 42°15'56", long 75°28'16", Hydrologic Unit 02050101, 400 ft south of intersection of County Highways 39 and 12, 0.5 mi east of Susquehanna River, and 2.0 mi south of Bainbridge. Owner: Ilse Maehlman.
AQUIFER.--Unconfined aquifer in gravel of Pleistocene age.
WELL CHARACTERISTICS.--Drilled observation well, diameter 6 inch, depth 13 ft, cased to 13 ft, open end.
INSTRUMENTATION.--Electronic data recorder--hourly; periodic measurements by USGS personnel.
DATUM.--Elevation of land-surface datum is 979.28 ft above National Geodetic Vertical Datum of 1929. Measuring point: File mark at top of shelter base, 1.37 ft above land-surface datum.
REMARKS.--This well drilled April 1974 as a replacement for 421556075281601 (local number Cn 11), located 90 ft north, which has a period of record from October 1965 to September 1972 (unpublished).
PERIOD OF RECORD.--April 1975 to current year. Records for April 1975 to September 1976 are unpublished and available in files of the Geological Survey.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 2.45 ft below land-surface datum, Apr. 3-4, 1993; lowest, 12.22 ft below land-surface datum, Sep. 13, 14, 15, 16, 1999.
EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 2.59 ft below land-surface datum, Mar. 1; lowest, 11.00 ft below land-surface datum, Sep. 5, 6.

WATER LEVEL, FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

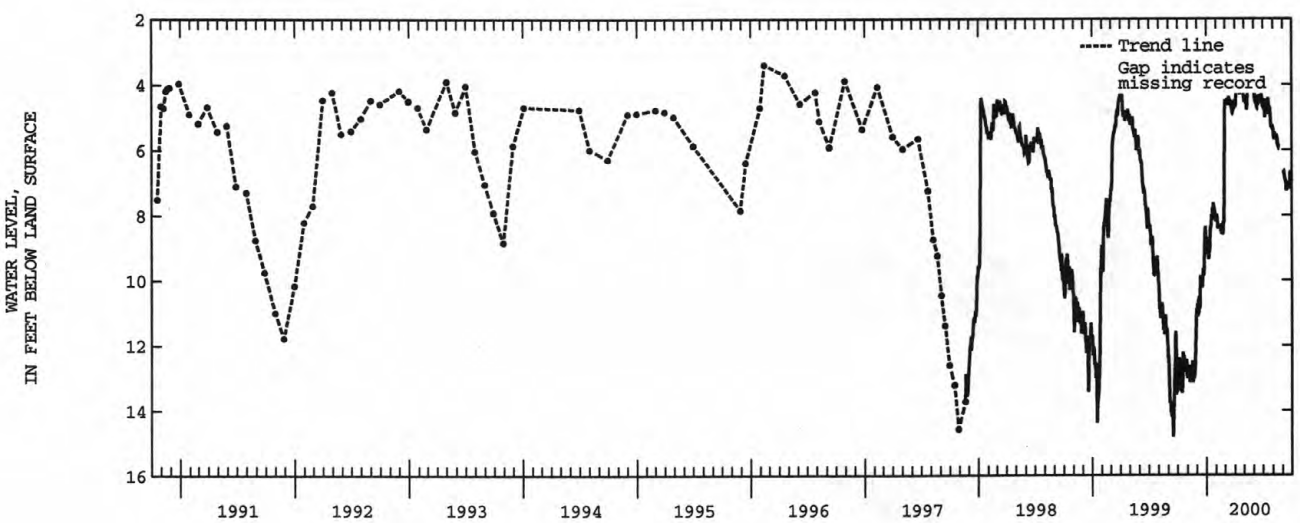
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.49	9.25	8.87	9.04	8.83	2.59	6.73	7.10	6.17	8.12	10.26	10.78
2	8.53	9.27	8.80	9.08	8.87	2.66	6.68	7.32	6.62	8.22	10.29	10.84
3	8.53	9.27	8.77	9.13	8.90	2.89	6.73	7.53	7.02	8.33	10.30	10.90
4	8.52	9.28	8.76	9.16	8.94	3.26	6.34	7.72	7.38	8.44	10.29	10.94
5	8.53	9.27	8.77	9.18	8.98	3.73	4.51	7.89	7.67	8.51	10.29	10.98
6	8.56	9.26	8.79	9.13	9.01	4.28	3.69	8.04	7.91	8.56	10.30	10.99
7	8.61	9.25	8.82	9.02	9.05	4.88	3.60	8.18	8.09	8.62	10.34	10.77
8	8.67	9.25	8.84	8.91	9.08	5.46	3.73	8.29	8.16	8.67	10.41	10.46
9	8.73	9.25	8.87	8.82	9.10	5.97	3.93	8.39	8.18	8.74	10.48	10.37
10	8.80	9.25	8.89	8.77	9.13	6.40	4.19	8.47	8.20	8.81	10.52	10.45
11	8.86	9.25	8.91	8.73	9.15	6.74	4.47	8.54	8.24	8.88	10.51	10.56
12	8.90	9.26	8.94	8.63	9.16	6.94	4.73	8.57	8.27	8.95	10.37	10.45
13	8.94	9.26	8.97	8.43	9.16	6.95	5.01	8.52	8.09	9.03	10.04	10.17
14	8.97	9.25	9.00	8.19	9.14	6.84	5.30	8.29	7.52	9.11	9.75	9.86
15	8.99	9.25	9.02	8.03	9.06	6.72	5.59	7.53	6.95	9.20	9.53	9.47
16	9.02	9.25	9.03	7.95	8.86	6.66	5.90	6.80	6.70	9.30	9.38	9.23
17	9.03	9.25	9.00	7.93	8.57	6.68	6.21	6.55	6.64	9.36	9.29	9.11
18	9.06	9.26	8.92	7.97	8.25	6.70	6.49	6.53	6.70	9.34	9.25	9.07
19	9.08	9.27	8.83	8.03	8.02	6.70	6.69	6.64	6.85	9.29	9.23	9.06
20	9.11	9.28	8.75	8.10	7.88	6.72	6.75	6.74	7.01	9.26	9.27	9.09
21	9.13	9.29	8.71	8.17	7.82	6.77	6.76	6.77	7.16	9.26	9.36	9.16
22	9.15	9.31	8.69	8.23	7.80	6.85	6.72	6.79	7.31	9.30	---	9.25
23	9.17	9.31	8.69	8.30	7.84	6.98	6.66	6.79	7.44	9.38	---	9.35
24	9.18	9.32	8.70	8.36	7.90	7.14	6.55	6.68	7.56	9.47	---	9.47
25	9.19	9.33	8.73	8.41	7.95	7.32	6.44	6.04	7.68	9.58	---	9.61
26	9.19	9.33	8.77	8.47	7.83	7.50	6.38	5.16	7.79	9.70	---	9.77
27	9.19	9.31	8.82	8.53	6.91	7.68	6.40	4.83	7.87	9.81	---	9.90
28	9.20	9.24	8.87	8.59	4.23	7.80	6.50	4.81	7.91	9.93	---	10.01
29	9.21	9.11	8.92	8.65	2.78	7.77	6.67	4.97	7.96	10.04	---	10.12
30	9.22	8.98	8.97	8.72	---	7.38	6.87	5.30	8.03	10.13	---	10.21
31	9.24	---	9.01	8.77	---	6.93	---	5.72	---	10.20	10.71	---
MEAN	8.94	9.26	8.85	8.56	8.21	6.13	5.77	7.02	7.50	9.15	10.01	10.01
MAX	9.24	9.33	9.03	9.18	9.16	7.80	6.87	8.57	8.27	10.20	10.71	10.99
MIN	8.49	8.98	8.69	7.93	2.78	2.59	3.60	4.81	6.17	8.12	9.23	9.06



423541076114701. Local number, C 102.
LOCATION.--Lat 42°35'41", long 76°11'47", Hydrologic Unit 02050102, at Municipal Water Works, Cortland. Owner: City of Cortland.
AQUIFER.--Unconfined aquifer in gravel of Pleistocene age.
WELL CHARACTERISTICS.--Driven observation well, diameter 1.25 inch, depth 45 ft, 1.25 inch well point.
INSTRUMENTATION.--Electronic data recorder--hourly; periodic measurements by USGS personnel.
DATUM.--Elevation of land-surface datum is 1136.59 ft above sea level. Measuring point: Top of coupling, 1.99 ft above land-surface datum.
REMARKS.--Water level is affected by pumping from nearby municipal supply wells. This well is a replacement for 423539076114801 (local number C 19), located 80 ft southwest, which had a period of record from February 1947 to May 1976.
PERIOD OF RECORD.--October 1975 to current year. Records for October 1975 to September 1977 are unpublished and available in files of the Geological Survey.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.07 ft below land-surface datum, Sep. 25, 1977; lowest measured, 15.40 ft below land-surface datum, Sep. 15, 1999.
EXTREMES FOR CURRENT YEAR.--Highest water level recorded, 3.63 ft below land-surface datum, May 25; lowest recorded, 14.03 ft below land-surface datum, Oct. 13.

WATER LEVEL, FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

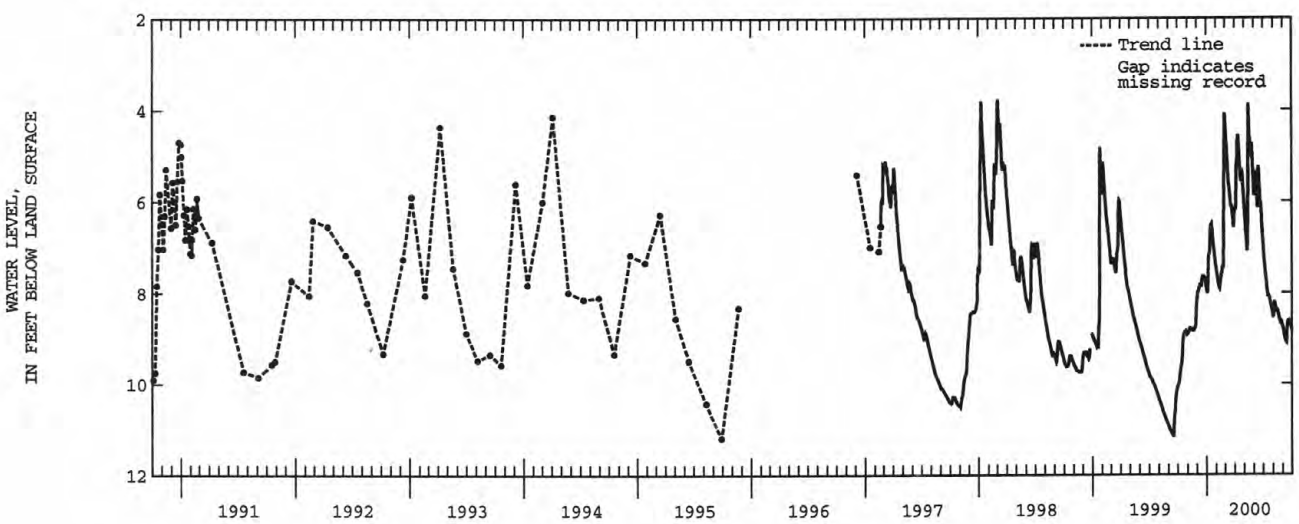
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.20	13.02	11.06	9.21	8.13	4.57	4.63	4.55	4.13	4.64	5.44	---
2	12.93	12.81	10.73	8.84	7.99	4.59	4.64	4.51	4.30	4.68	5.57	6.66
3	13.04	12.65	11.12	8.69	8.05	4.56	4.50	4.49	4.39	4.63	5.68	6.67
4	13.17	12.96	10.80	9.04	8.15	4.61	4.12	4.47	4.37	4.58	5.64	6.66
5	12.40	12.70	10.59	9.02	8.40	4.57	4.15	4.59	4.52	4.83	5.53	6.74
6	12.43	12.63	11.03	9.27	8.31	4.50	4.17	4.54	4.51	5.02	5.53	6.83
7	12.95	12.71	10.52	9.35	8.42	4.46	4.22	4.58	4.47	4.79	5.52	6.87
8	13.05	13.13	10.64	9.19	8.31	4.56	4.29	4.77	4.54	4.51	5.55	6.92
9	13.13	13.02	10.88	8.96	8.33	4.64	4.14	4.75	4.67	4.48	5.57	6.93
10	12.79	13.04	10.57	9.14	8.37	4.57	4.12	4.53	4.69	4.71	5.62	6.96
11	13.40	13.01	10.39	8.75	8.39	4.50	4.15	4.22	4.58	4.93	5.64	7.21
12	13.31	12.88	9.88	8.43	8.39	4.39	4.15	4.21	4.49	4.79	5.62	7.26
13	13.45	13.00	10.02	8.39	8.36	4.50	4.19	4.15	4.65	4.92	5.61	7.18
14	13.37	12.88	10.11	8.36	8.35	4.49	4.23	4.00	4.45	4.88	5.74	7.19
15	13.08	12.78	10.03	8.22	8.51	4.52	4.21	4.11	4.36	4.54	5.72	7.09
16	12.87	12.49	10.12	8.00	8.47	4.57	4.20	4.20	4.45	4.43	5.79	7.11
17	12.22	12.59	10.12	8.08	8.58	4.55	4.31	4.27	4.37	4.63	5.88	7.20
18	12.66	13.14	10.13	8.13	8.53	4.51	4.28	4.21	4.34	4.66	5.91	7.13
19	12.32	12.81	9.92	8.07	8.46	4.56	4.19	4.12	4.45	4.75	5.87	7.10
20	12.35	12.73	9.85	7.79	8.46	4.69	4.24	4.07	4.42	4.74	5.89	7.13
21	12.59	12.89	9.65	7.93	8.54	4.73	4.20	4.13	4.42	4.70	---	7.14
22	12.63	13.00	9.85	7.78	8.60	4.85	4.10	4.06	4.41	4.81	---	7.20
23	12.48	12.77	9.79	7.64	8.23	4.87	4.06	4.13	4.45	4.96	---	7.07
24	12.68	12.72	9.50	7.82	8.23	4.84	4.19	3.97	4.30	5.17	---	6.72
25	12.47	12.35	9.06	7.76	8.17	4.70	4.21	3.94	4.38	5.27	---	6.66
26	12.51	11.93	8.61	7.87	7.77	4.65	4.23	4.03	4.61	5.31	---	6.71
27	12.82	11.61	8.42	7.91	6.60	4.77	4.27	4.01	4.49	5.33	---	6.78
28	12.45	11.17	8.37	7.93	4.82	4.63	4.31	4.02	4.43	5.26	---	6.90
29	12.94	10.92	8.86	8.15	4.50	4.51	4.37	4.12	4.66	5.29	---	6.96
30	12.63	10.92	8.95	8.19	---	4.60	4.44	4.13	4.68	5.39	---	6.97
31	12.95	---	9.01	8.09	---	4.64	---	4.20	---	5.32	---	---
MEAN	12.82	12.58	9.95	8.39	8.01	4.60	4.25	4.26	4.47	4.87	5.67	6.96
MAX	13.45	13.14	11.12	9.35	8.60	4.87	4.64	4.77	4.69	5.39	5.91	7.26
MIN	12.22	10.92	8.37	7.64	4.50	4.39	4.06	3.94	4.13	4.43	5.44	6.66



430056075354102. Local number, M 178.
LOCATION.--Lat 43°00'56", long 75°35'41", Hydrologic Unit 04140202, at Valley Mills. Owner: Donald L. Greene.
AQUIFER.--Unconfined aquifer in gravel of Pleistocene age.
WELL CHARACTERISTICS.--Drilled observation well, diameter 6 inch, depth 15.3 ft, cased to 16 ft, open end.
INSTRUMENTATION.--Electronic data recorder--hourly; periodic measurements by USGS personnel.
DATUM.--Elevation of land-surface datum is 573.76 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of flange, 3.07 ft above land-surface datum.
REMARKS.--Well drilled April 1974 as a replacement for 430056075354101 (local number M 177), located 10 ft west, which has a period of record from October 1965 to September 1973 (unpublished).
PERIOD OF RECORD.--April 1975 to August 1995, December 1996 to current year. Records for April 1975 to September 1976 are unpublished and available in files of the Geological Survey. April 1975 to May 1986, digital recorder at same site and datum. Weekly observer readings May 1986 to Dec. 1988. Electronic data recorder at same site and datum Dec. 1988 to Feb. 1991. Periodic measurements with chalked tape Feb. 1991 to Aug. 1995 and Oct. 1996 to Feb. 1997.
REVISED RECORDS.--WDR NY-91-3: 1990 water level; WDR NY-99-3: 1995 water level.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 2.60 ft below land-surface datum, Mar. 5, 1979; lowest, 11.19 ft below land-surface datum, Sep. 27, 1995.
EXTREMES FOR CURRENT YEAR.--Highest water level, 3.77 ft below land-surface datum, May 13, 14; lowest, 10.04 ft below land-surface datum, Oct. 1, 2.

WATER LEVEL, FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.04	8.91	8.10	7.97	7.51	4.29	6.16	6.26	5.88	7.05	8.55	8.78
2	10.03	8.90	8.01	7.99	7.58	4.43	6.17	6.36	5.85	7.15	8.37	8.81
3	10.01	8.89	7.98	8.02	7.61	4.58	6.20	6.48	5.36	7.25	8.26	8.84
4	9.99	8.88	7.98	7.87	7.66	4.71	5.95	6.58	5.47	7.32	8.21	8.89
5	9.94	8.85	7.96	7.53	7.71	4.84	5.27	6.68	5.62	7.39	8.21	8.93
6	9.88	8.83	7.91	7.29	7.75	5.01	5.14	6.79	5.69	7.47	8.21	8.96
7	9.81	8.79	7.91	7.17	7.79	5.14	5.20	6.88	5.58	7.55	8.24	8.99
8	9.73	8.79	7.88	7.16	7.85	5.25	5.19	6.98	5.59	7.63	8.28	9.02
9	9.70	8.78	7.86	7.16	7.86	5.35	4.71	7.06	5.74	7.69	8.32	9.05
10	9.63	8.78	7.81	7.15	7.89	5.50	4.66	7.09	5.88	7.77	8.37	9.06
11	9.59	8.81	7.82	6.89	7.90	5.61	4.58	6.47	6.01	7.84	8.41	9.08
12	9.56	8.81	7.83	6.67	7.85	5.62	4.58	6.17	6.14	7.91	8.43	9.09
13	9.51	8.80	7.83	6.54	7.78	5.69	4.70	4.87	6.07	7.97	8.38	8.95
14	9.44	8.80	7.86	6.52	7.72	5.76	4.81	3.88	5.28	8.01	8.37	8.83
15	9.30	8.80	7.86	6.52	7.69	5.84	4.96	4.15	5.24	8.06	8.38	8.76
16	9.13	8.81	7.77	6.51	7.59	5.92	5.13	4.41	5.37	8.06	8.40	8.69
17	9.03	8.83	7.71	6.60	7.56	6.00	5.29	4.64	5.54	8.05	8.44	8.64
18	8.97	8.84	7.66	6.62	7.56	6.08	5.39	4.74	5.72	8.06	8.47	8.62
19	8.94	8.84	7.65	6.68	7.46	6.13	5.45	4.62	5.87	8.08	8.51	8.62
20	8.90	8.83	7.65	6.73	7.42	6.10	5.58	4.69	6.03	8.11	8.54	8.61
21	8.90	8.82	7.65	6.82	7.45	6.13	5.56	4.85	6.12	8.15	8.57	8.63
22	8.86	8.79	7.65	6.91	7.48	6.19	5.39	4.97	6.03	8.18	8.61	8.68
23	8.86	8.78	7.65	6.98	7.29	6.26	5.31	5.03	6.12	8.22	8.63	8.68
24	8.87	8.77	7.66	7.05	6.05	6.33	5.37	4.88	6.23	8.26	8.62	8.68
25	8.87	8.77	7.70	7.10	5.14	6.39	5.50	4.74	6.35	8.29	8.62	8.70
26	8.86	8.75	7.70	7.16	4.75	6.48	5.65	4.89	6.48	8.33	8.62	8.70
27	8.88	8.61	7.74	7.24	4.57	6.57	5.77	5.06	6.60	8.36	8.64	8.73
28	8.88	8.37	7.78	7.32	4.10	6.54	5.88	5.23	6.72	8.40	8.67	8.78
29	8.88	8.25	7.82	7.39	4.13	6.32	6.00	5.39	6.83	8.45	8.70	8.82
30	8.88	8.13	7.87	7.43	---	6.18	6.14	5.57	6.94	8.49	8.72	8.84
31	8.88	---	7.93	7.46	---	6.16	---	5.72	---	8.52	8.75	---
MEAN	9.31	8.75	7.81	7.11	7.06	5.72	5.39	5.55	5.95	7.94	8.47	8.82
MAX	10.04	8.91	8.10	8.02	7.90	6.57	6.20	7.09	6.94	8.52	8.75	9.09
MIN	8.86	8.13	7.65	6.51	4.10	4.29	4.58	3.88	5.24	7.05	8.21	8.61

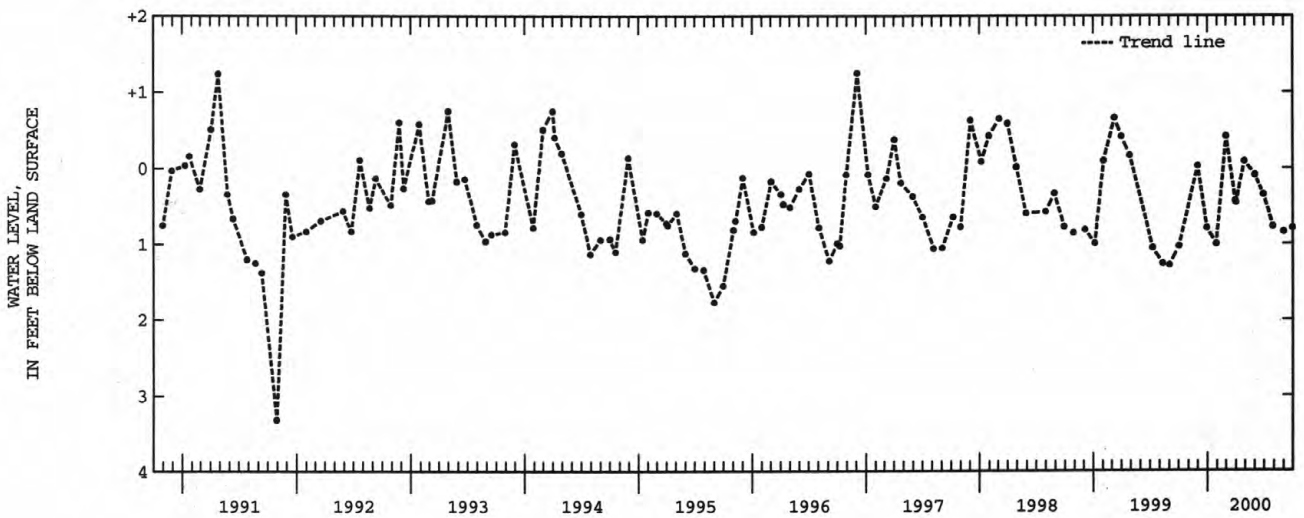


430855077304202. Local number Mo 2
LOCATION.--Lat 43°08'55", long 77°30'42", Hydrologic Unit 04140101, near east valley wall, north of Blossom Road, in Ellison Park. Owner: U.S. Geological Survey.
AQUIFER.--Unconfined aquifer in coarse sand and gravel of Pleistocene age.
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 inch, depth 45 ft, cased to 41 ft, screened 41 to 45 ft.
INSTRUMENTATION.--Monthly measurement with chalked tape by Monroe County Environmental Health Laboratory personnel.
DATUM.--Elevation of land-surface datum is 252.60 ft above sea level. Measuring point: arrow at top of casing, 4.08 ft above land-surface datum.
REMARKS.--Well also sampled for water-quality.
COOPERATION.--Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, NY.
PERIOD OF RECORD.--September 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.25 ft above land-surface datum, Dec. 3, 1996; lowest measured, 3.32 ft below land-surface datum, Oct. 29, 1991.

WATER LEVEL, FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
(READINGS ABOVE LAND SURFACE INDICATED BY "+")

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 01	1.03	JAN 28	1.00	MAR 29	.43	APR 28	+.09	JUN 28	.35	AUG 31	.84
NOV 30	+.03	FEB 29	+.42	MAR 31	.45	JUN 01	.09	JUL 28	.77	SEP 29	.79
DEC 29	.79										

WATER YEAR 2000 HIGHEST +.42 FEB 29, 2000 LOWEST 1.03 OCT 01, 1999



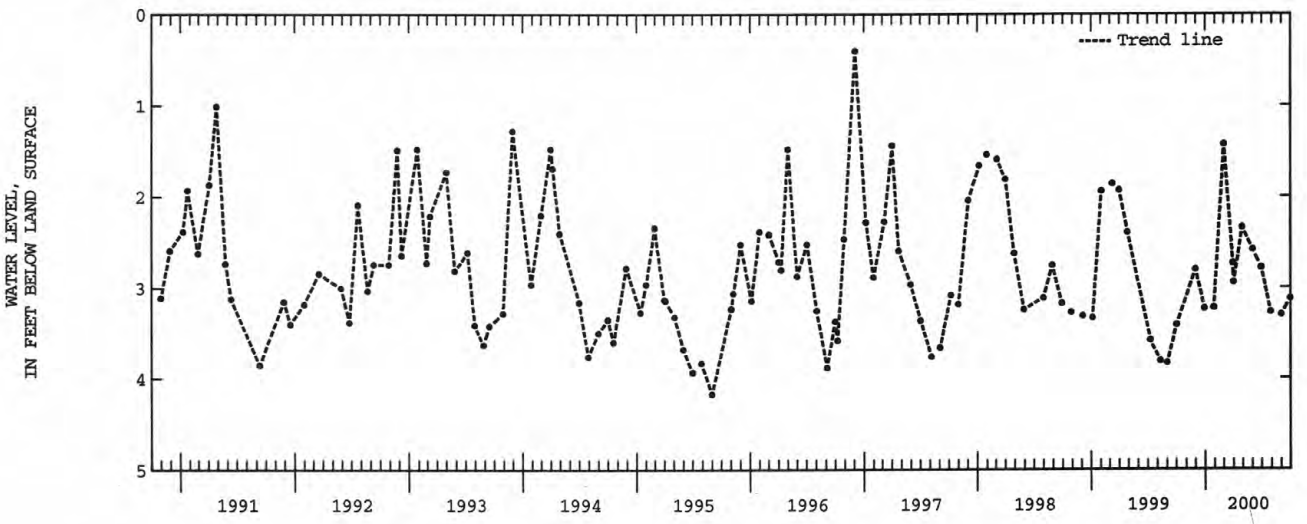
MONROE COUNTY--Continued

430854077304601. Local number Mo 3
LOCATION.--Lat 43°08'54", long 77°30'46", Hydrologic Unit 04140101, on right bank of Irondequoit Creek, north of Blossom Road, in Ellison Park. Owner: U.S. Geological Survey.
AQUIFER.--Unconfined aquifer in alluvium of Holocene age.
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 inch, depth 16 ft, cased to 13.5 ft, screened 13.5 ft to 16 ft.
INSTRUMENTATION.--Monthly measurement with chalked tape by Monroe County Environmental Health Laboratory personnel.
DATUM.--Elevation of land-surface datum is 253.2 ft above sea level. Measuring point: arrow at top of casing, 3.74 ft above land-surface datum.
REMARKS.--Well also sampled for water quality.
COOPERATION.--Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, NY.
PERIOD OF RECORD.--September 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.03 ft above land-surface datum, Feb. 27, 1985; lowest measured, 4.17 ft below land-surface datum, Aug. 31, 1995.

WATER LEVEL, FEET BELOW LAND SURFACE, 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 01	3.41	JAN 28	3.22	MAR 29	2.73	APR 28	2.34	JUN 28	2.78	AUG 31	3.30
NOV 30	2.80	FEB 29	1.43	MAR 31	2.94	JUL 01	2.58	JUL 28	3.27	SEP 29	3.12
DEC 29	3.23										

WATER YEAR 2000 HIGHEST 1.43 FEB 29, 2000 LOWEST 3.41 OCT 01, 1999

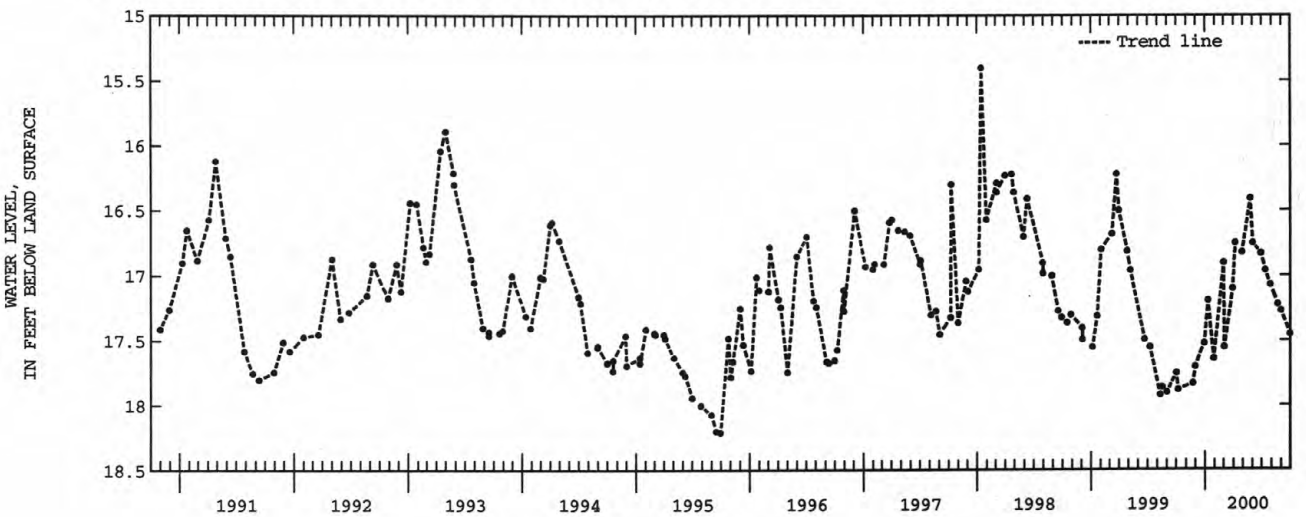


430932077311501. Local number Mo 659
LOCATION.--Lat 43°09'32", long 77°31'15", Hydrologic Unit 04140101, at top of right bank about 400 ft north east of bridge over Irondequoit Creek overflow channel at Old Browncroft Boulevard. Owner: U.S. Geological Survey.
AQUIFER.--Confined aquifer in sand and gravel of Pleistocene age.
WELL CHARACTERISTICS.--Drilled observation well, diameter 6 inch, depth 215 ft, cased to 215 ft, perforated 80 to 90 ft and 160 to 170 ft, open-ended at 215 ft.
INSTRUMENTATION.--Monthly measurement with chalked tape by Monroe County Environmental Health Laboratory personnel; periodic measurement by USGS personnel.
DATUM.--Elevation of land-surface datum is 266.58 ft above sea level. Measuring point: arrow at top of casing, 1.80 ft above land-surface datum.
REMARKS.--Well also sampled for water quality.
COOPERATION.--Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, NY.
PERIOD OF RECORD.--December 1986 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.40 ft below land-surface datum, Jan. 14, 1998; lowest measured, 18.21 ft below land-surface datum, Sep. 29, 1995.

WATER LEVEL, FEET BELOW LAND SURFACE, 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 01	17.75	DEC 29	17.52	MAR 02	z17.55	APR 28	16.82	JUN 28	16.83	AUG 21	z17.22
07	z17.88	JAN 10	z17.19	29	17.10	MAY 24	z16.41	JUL 12	z16.96	AUG 31	17.27
NOV 23	z17.83	28	17.64	APR 06	z16.75	JUN 01	16.75	28	17.07	SEP 29	17.45
30	17.70	FEB 29	16.90								

WATER YEAR 2000 HIGHEST 16.41 MAY 24, 2000 LOWEST 17.88 OCT 07, 1999



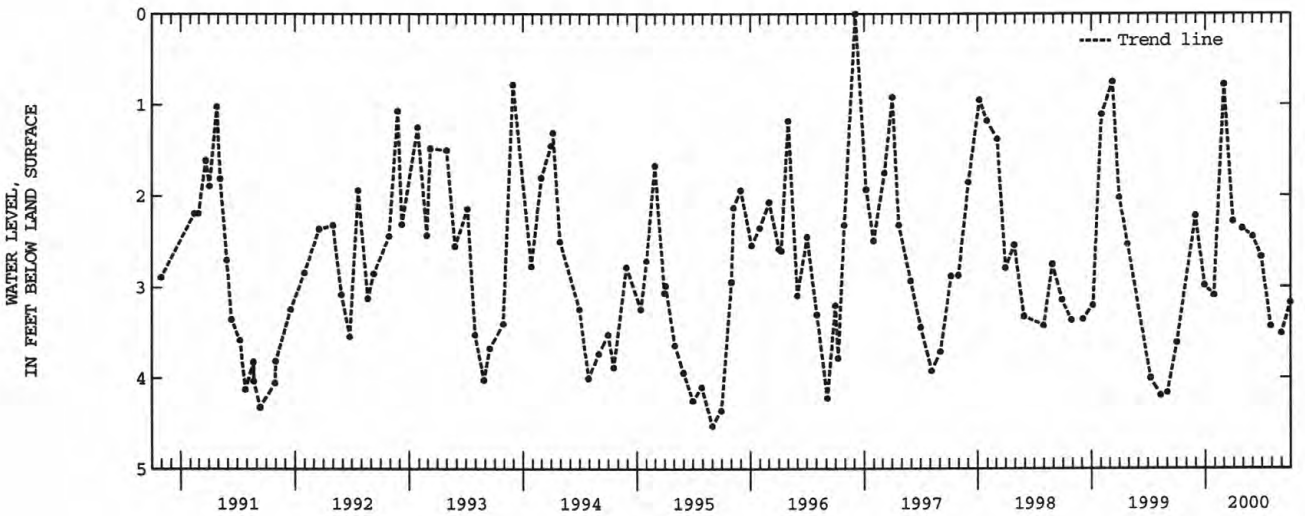
MONROE COUNTY--Continued

430912077313301. Local number Mo 663
LOCATION.--Lat 43°09'12", long 77°31'33", Hydrologic Unit 04140101, on east bank of Irondequoit Creek about 1200 ft. south of Browncroft Boulevard. Owner: U.S. Geological Survey.
AQUIFER.--Unconfined aquifer in alluvium of Holocene age.
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 10 ft, cased to 7.5 ft, screened 7.5 ft to 10 ft.
INSTRUMENTATION.--Monthly measurement with chalked tape by Monroe County Environmental Health Laboratory personnel.
DATUM.--Elevation of land-surface datum is 251.16 ft above sea level. Measuring point: arrow at top of casing, 3.60 ft above land-surface datum.
REMARKS.--Well also sampled for water quality.
COOPERATION.--Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, NY.
PERIOD OF RECORD.--September 1988 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.00 ft, land-surface datum, Dec. 3, 1996; lowest measured, 4.53 ft below land-surface datum, Aug. 31, 1995.

WATER LEVEL, FEET BELOW LAND SURFACE, 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 01	3.61	DEC 29	2.98	FEB 29	.78	APR 28	2.36	JUN 28	2.67	AUG 31	3.51
NOV 30	2.22	JAN 28	3.09	MAR 29	2.28	JUN 01	2.45	JUL 28	3.43	SEP 29	3.17

WATER YEAR 2000 HIGHEST .78 FEB 29, 2000 LOWEST 3.61 OCT 01, 1999

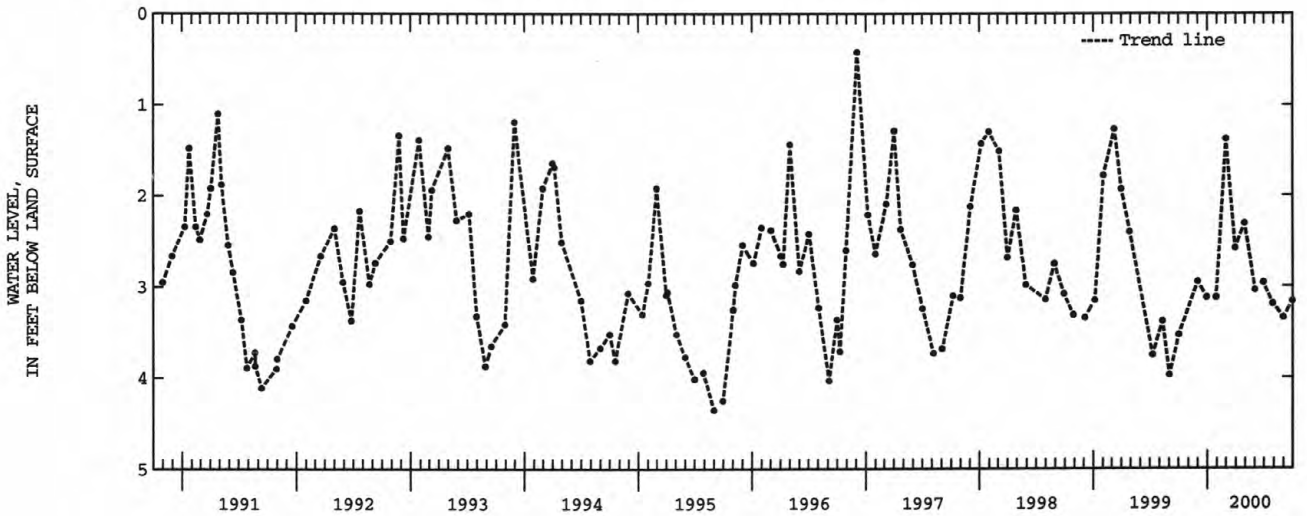


430912077313302. Local number Mo 664
LOCATION.--Lat 43°09'12", long 77°31'33", Hydrologic Unit 04140101, on east bank of Irondequoit Creek about 1200 ft south of Browncroft Boulevard. Owner: U.S. Geological Survey.
AQUIFER.--Unconfined aquifer in alluvium of Holocene age.
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 inch, depth 27 ft, cased to 22 ft, screened 22 ft to 27 ft.
INSTRUMENTATION.--Monthly measurement with chalked tape by Monroe County Environmental Health Laboratory personnel.
DATUM.--Elevation of land-surface datum is 251.18 ft above sea level. Measuring point: arrow at top of casing, 3.20 ft above land-surface datum.
REMARKS.--Well also sampled for water quality.
COOPERATION.--Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, NY.
PERIOD OF RECORD.--September 1988 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.42 ft below land-surface datum, Dec. 3, 1996; lowest measured, 4.35 ft below land-surface datum, Aug. 31, 1995.

WATER LEVEL, FEET BELOW LAND SURFACE, 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 01	3.53	DEC 29	3.12	FEB 29	1.38	APR 28	2.31	JUN 28	2.96	AUG 31	3.34
NOV 30	2.95	JAN 28	3.12	MAR 29	2.58	JUN 01	3.04	JUL 28	3.19	SEP 29	3.16

WATER YEAR 2000 HIGHEST 1.38 FEB 29, 2000 LOWEST 3.53 OCT 01, 1999

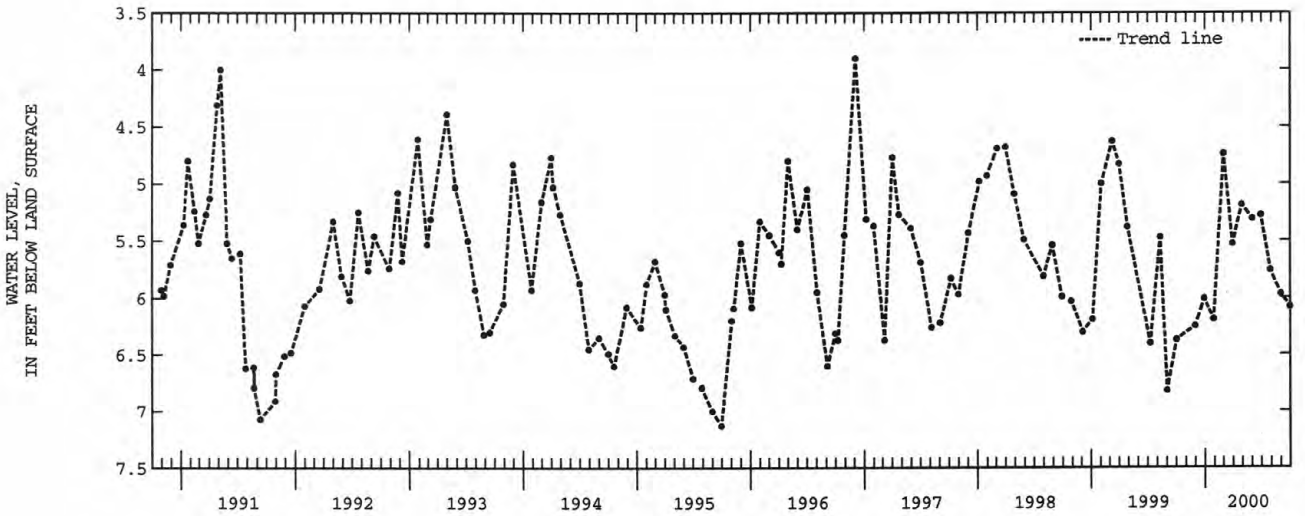


430928077313802. Local number Mo 665
LOCATION.--Lat 43°09'28", long 77°31'38", Hydrologic Unit 04140101, on east bank of Irondequoit Creek about 100 ft north of Browncroft Boulevard. Owner: U.S. Geological Survey.
AQUIFER.--Unconfined aquifer in alluvium of Holocene age.
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 inch, depth 17 ft, cased to 12 ft, screened 12 ft to 17 ft.
INSTRUMENTATION.--Monthly measurement with chalked tape by Monroe County Environmental Health Laboratory personnel.
DATUM.--Elevation of land-surface datum is 254.14 ft sea level. Measuring point: arrow at top of casing, 2.45 ft above land-surface datum.
REMARKS.--Well also sampled for water quality.
COOPERATION.--Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, NY.
PERIOD OF RECORD.--September 1988 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.90 ft below land-surface datum, Dec. 3, 1996; lowest measured, 7.48 ft below land-surface datum, Oct. 31, 1989.

WATER LEVEL, FEET BELOW LAND SURFACE, 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 01	6.37	DEC 29	6.01	FEB 29	4.74	APR 28	5.19	JUN 28	5.28	AUG 31	5.97
NOV 30	6.25	JAN 28	6.19	MAR 29	5.53	JUN 01	5.31	JUL 28	5.76	SEP 29	6.08

WATER YEAR 2000 HIGHEST 4.74 FEB 29, 2000 LOWEST 6.37 OCT 01, 1999

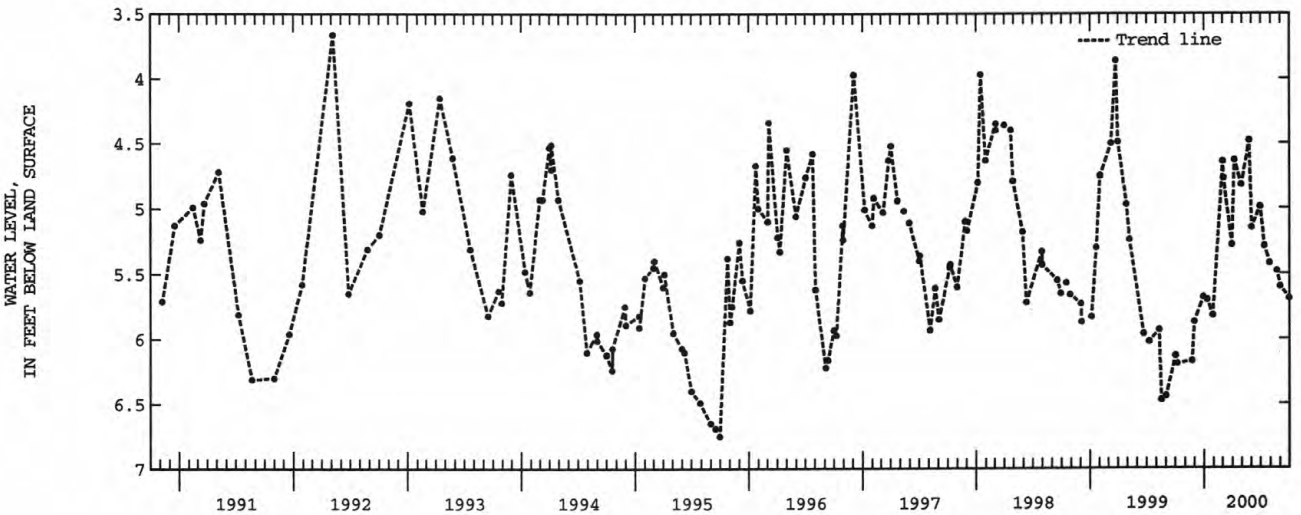


430928077313803. Local number Mo 666
LOCATION.--Lat 43°09'28", long 77°31'38", Hydrologic Unit 04140101, on east bank of Irondequoit Creek about 100 ft north of Browncroft Boulevard. Owner: U.S. Geological Survey.
AQUIFER.--Unconfined aquifer in alluvium of Holocene age.
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 inch, depth 27 ft, cased to 22 ft, screened 22 ft to 27 ft.
INSTRUMENTATION.--Monthly measurement with chalked tape by Monroe County Environmental Health Laboratory personnel; periodic measurement by USGS personnel.
DATUM.--Elevation of land-surface datum is 254.14 ft above sea level. Measuring point: arrow at top of casing, 3.65 ft above land-surface datum.
REMARKS.--Well also sampled for water quality.
COOPERATION.--Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, NY.
PERIOD OF RECORD.--September 1988 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.66 ft below land-surface datum, May 6, 1992; lowest measured, 6.75 ft below land-surface datum, Sept. 29, 1995.

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 01	6.13	DEC 29	5.68	MAR 02	z4.77	APR 28	4.82	JUN 28	4.99	AUG 21	z5.48
07	z6.19	JAN 10	z5.70	29	5.28	MAY 24	z4.48	JUL 12	z5.29	31	5.60
NOV 23	z6.17	28	5.82	APR 06	z4.63	JUN 01	5.15	28	5.42	SEP 29	5.69
30	5.87	FEB 29	4.64								

WATER YEAR 2000 HIGHEST 4.48 MAY 24, 2000 LOWEST 6.19 OCT 07, 1999

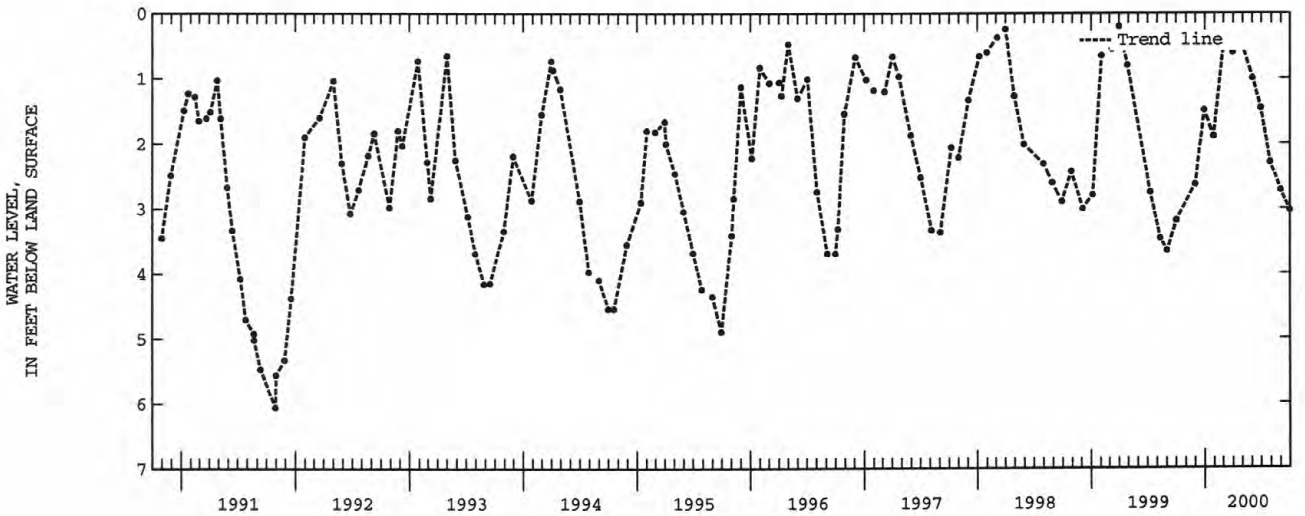


430928077314001. Local number Mo 667
LOCATION.--Lat 43°09'28", long 77°31'40", Hydrologic Unit 04140101, on west bank of Irondequoit Creek about 300 ft. north of Browncroft Boulevard and 100 ft west of Irondequoit Creek. Owner: U.S. Geological Survey.
AQUIFER.--Unconfined aquifer in alluvium of Holocene age.
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 inch, depth 15 ft, cased to 10 ft, screened 10 ft to 15 ft.
INSTRUMENTATION.--Monthly measurement with chalked tape by Monroe County Environmental Health Laboratory personnel.
DATUM.--Elevation of land-surface datum is 255.38 ft above sea level. Measuring point: arrow at top of casing, 2.05 ft above land-surface datum.
REMARKS.--Well also sampled for water quality.
COOPERATION.--Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, NY.
PERIOD OF RECORD.--September 1988 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.20 ft below land-surface datum, Mar. 31, 1999; lowest measured, 6.06 ft below land-surface datum, Oct. 29, 1991.

WATER LEVEL, FEET BELOW LAND SURFACE, 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 01	3.18	DEC 29	1.49	FEB 29	.45	APR 28	.48	JUN 28	1.46	AUG 31	2.72
NOV 30	2.63	JAN 28	1.89	MAR 29	.60	JUN 01	1.00	JUL 28	2.29	SEP 29	3.03

WATER YEAR 2000 HIGHEST .45 FEB 29, 2000 LOWEST 3.18 OCT 01, 1999

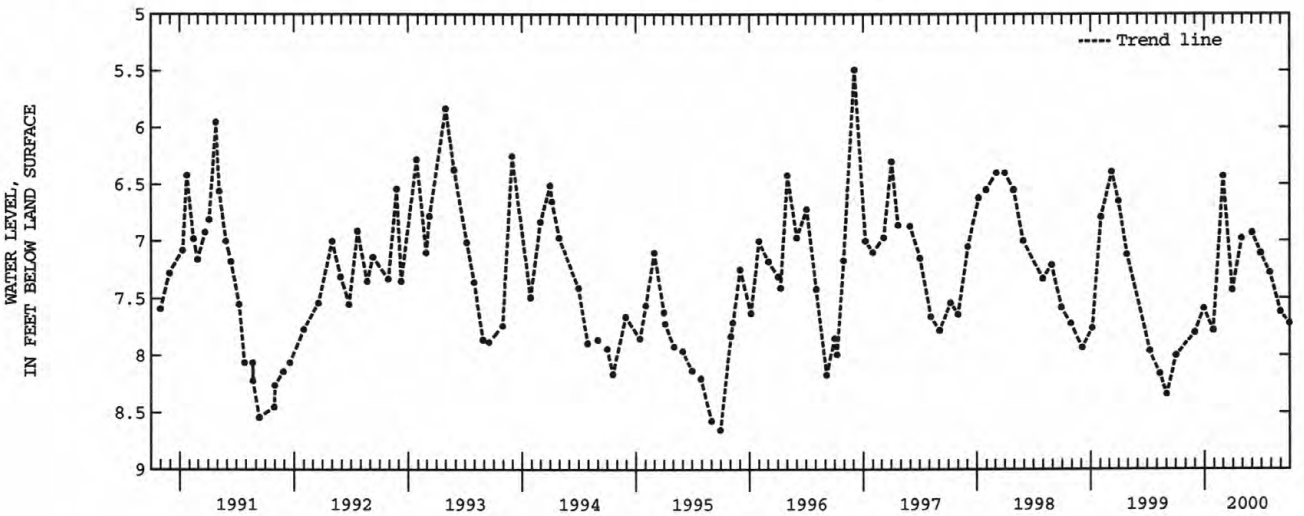


430928077314002. Local number Mo 668
LOCATION.--Lat 43°09'28", long 77°31'40", Hydrologic Unit 04140101, on west bank of Irondequoit Creek about 300 ft north of Browncroft Boulevard and 100 ft west of Irondequoit Creek. Owner: U.S. Geological Survey.
AQUIFER.--Unconfined aquifer in alluvium of Holocene age.
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 inch, depth 36 ft, cased to 31 ft, screened 31 ft to 36 ft.
INSTRUMENTATION.--Monthly measurement with chalked tape by Monroe County Environmental Health Laboratory personnel.
DATUM.--Elevation of land-surface datum is 255.32 ft above sea level. Measuring point: arrow at top of casing, 1.40 ft above land-surface datum.
REMARKS.--Well also sampled for water quality.
COOPERATION.--Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, NY.
PERIOD OF RECORD.--September 1988 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.49 ft below land-surface datum, Dec. 3, 1996; lowest measured, 8.65 ft below land-surface datum, Sep. 29, 1995.

WATER LEVEL, FEET BELOW LAND SURFACE, 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 01	8.00	DEC 29	7.59	FEB 29	6.43	APR 28	6.98	JUN 28	7.11	AUG 31	7.62
NOV 30	7.80	JAN 28	7.78	MAR 29	7.43	JUN 01	6.93	JUL 28	7.28	SEP 29	7.72

WATER YEAR 2000 HIGHEST 6.43 FEB 29, 2000 LOWEST 8.00 OCT 01, 1999

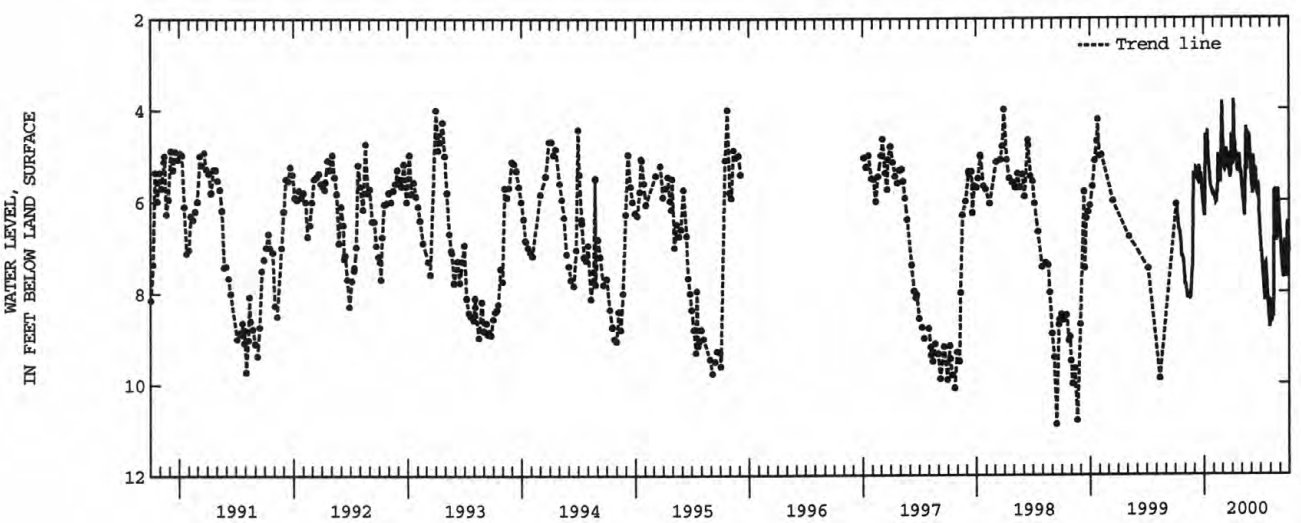


OTSEGO COUNTY

424136075025101. Local number, Og 23.
LOCATION.--Lat 42°41'36", long 75°02'51", Hydrologic Unit 02050101, at "Wild Creek Farm", 0.6 mi northeast of intersection of State Highway 205 and Kallan Road, 2.2 mi north of Hartwick, and 3.2 mi southeast of Oaksville. Owner: Thomas Kallan.
AQUIFER.--Till of Pleistocene age.
WELL CHARACTERISTICS.--Dug unused well, diameter 36 inch, depth 15 ft, stone-lined.
INSTRUMENTATION.--Electronic data recorder--hourly; periodic measurement by USGS personnel.
DATUM.--Elevation of land-surface datum is 1,432.44 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top edge of hole drilled through concrete well cover, at land-surface datum.
PERIOD OF RECORD.--May 1953 to August 1995, December 1996 to current year. Records for May 1953 to September 1976 are unpublished and available in files of the Geological Survey. Weekly measurement with chalked tape by observer Oct. 1976 to Feb. 1999.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.98 ft below land-surface datum, Apr. 2, 1960, Sep. 19, 1977; lowest measured, 12.66 ft below land-surface datum, Nov. 14, 1964.
EXTREMES FOR CURRENT YEAR.--Highest water level, 3.44 ft below land-surface datum, Apr. 4; lowest, 8.82 ft below land-surface datum, July 30.

WATER LEVEL, FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

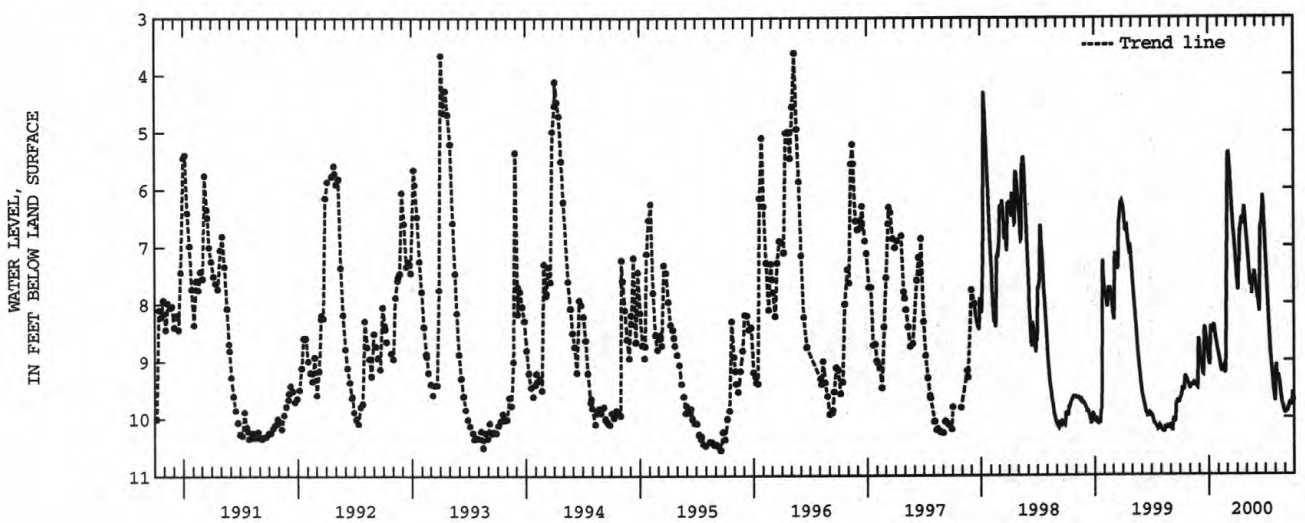
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	7.81	5.47	6.27	5.86	4.56	5.14	5.70	5.59	6.90	8.19	6.84
2	---	7.85	5.49	6.32	5.89	4.67	5.23	5.72	5.68	7.04	8.20	6.97
3	---	7.81	5.54	6.32	5.90	4.84	5.01	5.79	5.64	7.15	8.29	7.08
4	6.08	7.84	5.43	4.88	5.91	4.99	3.80	5.88	5.75	7.11	8.43	7.17
5	6.09	7.89	5.28	4.56	5.94	5.11	4.23	5.98	5.86	7.22	8.56	7.27
6	6.13	7.93	5.29	4.87	5.98	5.22	4.58	6.02	5.47	7.34	8.67	7.36
7	6.22	7.99	5.34	5.04	5.99	5.29	4.89	6.10	5.02	7.47	8.46	7.44
8	6.30	8.05	5.41	5.16	6.04	5.32	5.04	6.21	5.30	7.57	8.39	7.49
9	6.39	8.10	5.47	5.24	6.03	5.30	4.73	6.33	5.50	7.67	8.48	7.57
10	6.48	8.13	5.49	5.10	6.03	5.24	4.89	6.26	5.66	7.77	8.49	7.62
11	6.51	8.11	5.48	4.46	5.82	5.25	5.00	5.58	5.79	7.87	8.55	7.67
12	6.59	8.09	5.52	4.68	5.76	4.86	4.99	5.45	5.68	7.97	7.10	7.69
13	6.64	8.08	5.56	4.90	5.77	4.99	4.99	4.60	5.61	8.08	5.79	7.04
14	6.61	8.06	5.57	5.07	5.32	5.11	4.99	4.39	5.28	8.19	5.78	7.00
15	6.65	8.07	5.50	5.17	4.99	5.13	5.15	4.88	5.41	8.04	5.93	6.90
16	6.71	8.05	5.24	5.23	5.16	5.19	5.28	5.14	5.60	7.37	5.90	6.86
17	6.76	8.08	5.28	5.33	5.33	4.96	5.36	5.33	5.79	7.36	5.94	6.97
18	6.85	8.12	5.39	5.38	5.40	5.06	5.26	5.05	5.84	7.46	6.11	7.12
19	6.99	8.11	5.48	5.46	5.45	5.14	5.26	4.49	5.69	7.60	6.29	7.28
20	7.10	8.01	5.53	5.52	5.52	5.21	5.38	4.64	5.80	7.74	6.49	7.41
21	7.19	7.85	5.43	5.59	5.58	5.31	5.19	4.78	5.92	7.88	6.69	7.54
22	7.23	7.68	5.43	5.66	5.58	5.38	4.99	4.96	5.61	7.96	6.88	7.68
23	7.20	7.56	5.50	5.70	5.44	5.43	5.03	5.07	5.71	8.06	6.63	7.56
24	7.22	7.47	5.61	5.73	5.21	5.48	5.11	4.57	5.93	8.21	5.77	6.58
25	7.25	7.42	5.73	5.73	4.91	5.50	5.28	4.57	6.13	8.34	5.75	6.45
26	7.26	6.97	5.81	5.76	4.55	5.33	5.39	4.75	6.24	8.47	5.88	6.52
27	7.34	5.77	5.93	5.81	4.00	5.41	5.42	4.96	6.36	8.57	6.08	6.66
28	7.45	5.43	6.01	5.83	3.84	4.55	5.35	5.15	6.48	8.66	6.28	6.82
29	7.54	5.44	6.06	5.85	4.32	4.62	5.48	5.28	6.60	8.75	6.45	7.00
30	7.65	5.47	6.12	5.84	---	4.83	5.60	5.39	6.74	8.77	6.59	7.15
31	7.73	---	6.20	5.83	---	5.01	---	5.49	---	8.52	6.72	---
MEAN	6.86	7.57	5.57	5.43	5.43	5.11	5.07	5.31	5.79	7.84	7.02	7.16
MAX	7.73	8.13	6.20	6.32	6.04	5.50	5.60	6.33	6.74	8.77	8.67	7.69
MIN	6.08	5.43	5.24	4.46	3.84	4.55	3.80	4.39	5.02	6.90	5.75	6.45



422445077203301. Local number, Sb 472.
LOCATION.--Lat 42°24'45", long 77°20'33", Hydrologic Unit 02050105, near Kanona. Owner: David Owens.
AQUIFER.--Unconfined aquifer in gravel of Pleistocene age.
WELL CHARACTERISTICS.--Driven observation well, diameter 2.5 inch, depth 17 ft, filled in from original depth of 18 ft, cased to 16 ft, 1.25 inch well point (60-gauze screen 16 ft to 18 ft, damaged during well installation).
INSTRUMENTATION.--Electronic data recorder--hourly; periodic measurement with chalked tape by USGS personnel.
DATUM.--Elevation of land-surface datum is 1,209.78 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.99 ft above land-surface datum.
PERIOD OF RECORD.--November 1965 to current year. Records for November 1965 to September 1976 are unpublished and available in files of the Geological Survey. Weekly measurement with chalked tape by observer Nov. 1965 to Dec. 1997.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.61 ft below land-surface datum, May 12, 1996; lowest measured, 10.84 ft below land-surface datum, Sep. 22, 1966.
EXTREMES FOR CURRENT YEAR.--Highest water level, 5.34 ft below land-surface datum, Mar. 4, 5; lowest, 9.92 ft below land-surface datum, Aug. 30, 31, Sep. 1, 2.

WATER LEVEL, FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.66	9.49	8.78	9.03	8.90	5.75	7.68	6.85	7.73	7.01	9.47	9.92
2	9.65	9.48	8.85	9.06	8.94	5.52	7.74	6.91	7.76	7.14	9.14	9.92
3	9.64	9.45	8.92	9.06	8.96	5.40	7.78	6.98	7.80	7.27	9.07	9.90
4	9.60	9.44	8.97	8.89	9.00	5.35	7.55	7.04	7.85	7.39	9.09	9.89
5	9.57	9.42	8.95	8.58	9.03	5.37	7.29	7.11	7.90	7.53	9.16	9.89
6	9.55	9.42	8.98	8.42	9.07	5.45	7.25	7.19	7.91	7.68	9.23	9.88
7	9.48	9.42	9.02	8.40	9.10	5.51	7.30	7.28	7.93	7.83	9.28	9.88
8	9.48	9.42	9.06	8.43	9.14	5.58	7.22	7.36	7.97	7.98	9.32	9.88
9	9.49	9.42	9.10	8.48	9.16	5.66	6.87	7.45	8.03	8.11	9.35	9.86
10	9.51	9.43	9.13	8.52	9.18	5.80	6.74	7.55	8.09	8.23	9.28	9.82
11	9.51	9.43	9.17	8.50	9.18	5.90	6.69	7.62	8.15	8.35	9.25	9.82
12	9.51	9.41	9.20	8.45	9.17	5.98	6.65	7.69	7.36	8.48	9.28	9.82
13	9.52	9.40	9.23	8.42	9.15	6.10	6.61	7.63	6.92	8.59	9.32	9.79
14	9.40	9.38	9.24	8.43	9.14	6.18	6.55	7.54	6.68	8.69	9.36	9.77
15	9.30	9.38	9.09	8.39	9.12	6.28	6.52	7.57	6.62	8.77	9.41	9.76
16	9.27	9.38	8.70	8.37	9.11	6.39	6.51	7.67	6.65	8.83	9.47	9.74
17	9.27	9.39	8.46	8.42	9.14	6.50	6.53	7.77	6.64	8.90	9.52	9.73
18	9.29	9.40	8.41	8.44	9.15	6.61	6.55	7.85	6.59	8.98	9.56	9.74
19	9.30	9.41	8.44	8.47	9.16	6.68	6.59	7.73	6.43	9.05	9.61	9.74
20	9.31	9.42	8.49	8.50	9.18	6.74	6.62	7.57	6.38	9.12	9.65	9.75
21	9.33	9.43	8.54	8.54	9.21	6.81	6.55	7.56	6.31	9.18	9.69	9.76
22	9.34	9.44	8.57	8.59	9.22	6.88	6.45	7.62	6.12	9.25	9.73	9.77
23	9.36	9.45	8.62	8.62	9.12	6.96	6.31	7.66	6.19	9.31	9.76	9.77
24	9.37	9.46	8.68	8.66	8.53	7.04	6.32	7.68	6.27	9.37	9.77	9.68
25	9.39	9.47	8.73	8.68	7.88	7.11	6.40	7.53	6.35	9.43	9.79	9.57
26	9.40	9.31	8.78	8.72	7.25	7.20	6.50	7.44	6.45	9.50	9.82	9.55
27	9.41	8.81	8.83	8.75	6.85	7.28	6.58	7.47	6.55	9.55	9.84	9.58
28	9.42	8.62	8.87	8.79	6.42	7.35	6.64	7.53	6.66	9.59	9.87	9.62
29	9.44	8.63	8.92	8.83	6.08	7.44	6.71	7.59	6.76	9.64	9.88	9.67
30	9.46	8.71	8.96	8.85	---	7.53	6.79	7.64	6.88	9.68	9.90	9.71
31	9.47	---	8.99	8.87	---	7.60	---	7.68	---	9.71	9.92	---
MEAN	9.44	9.32	8.86	8.62	8.71	6.39	6.82	7.48	7.06	8.65	9.51	9.77
MAX	9.66	9.49	9.24	9.06	9.22	7.60	7.78	7.85	8.15	9.71	9.92	9.92
MIN	9.27	8.62	8.41	8.37	6.08	5.35	6.31	6.85	6.12	7.01	9.07	9.55

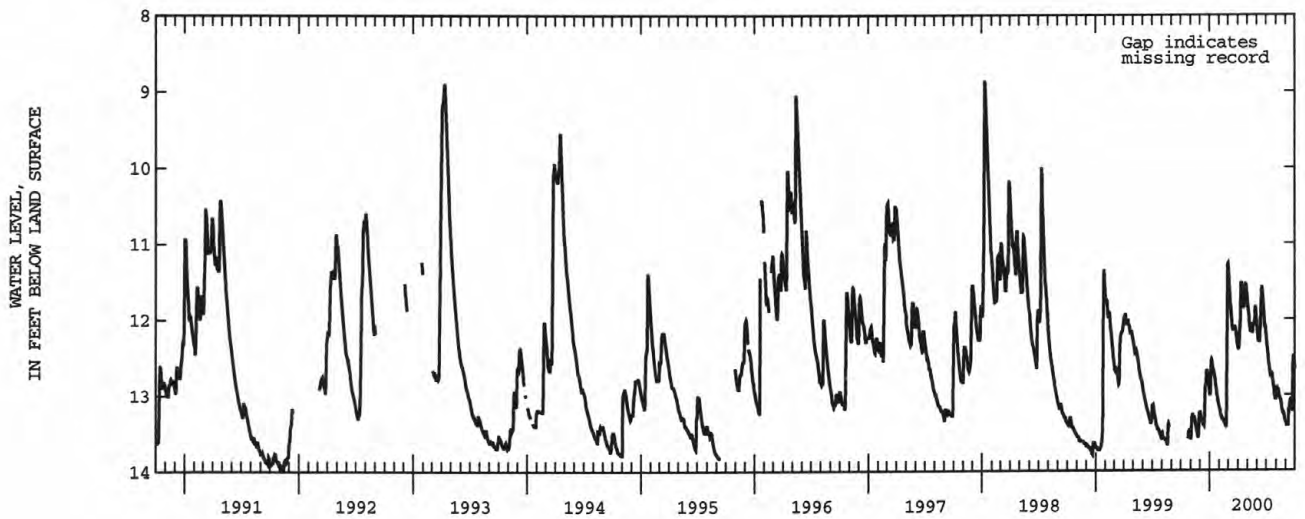


WYOMING COUNTY

423743078070802. Local number, Wo 4.
LOCATION.--Lat 42°37'43", long 78°07'08", Hydrologic Unit 04130002, near Gainesville. Owner: Letchworth Central School.
AQUIFER.--Unconfined aquifer in sand of Pleistocene age.
WELL CHARACTERISTICS.--Drilled observation well, diameter 6 inch, depth 20 ft, cased to 20 ft, open end.
INSTRUMENTATION.---Electronic data recorder--hourly; periodic measurement with chalked tape by USGS personnel.
DATUM.--Elevation of land-surface datum is 1,606.76 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.64 ft above land-surface datum.
REMARKS.--Well drilled May 1974 as a replacement for 423743078070801 (local number Wo 2), located 25 ft southeast, which has a period of record from November 1965 to May 1974 (unpublished). Water level may be affected by periodic water-quality sampling by county health department.
PERIOD OF RECORD.--May 1974 to current year. Records for May 1974 to September 1976 are unpublished and available in files of the Geological Survey.
REVISED RECORDS.--WDR NY-91-3: 1990.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 7.89 ft, below land-surface datum, Mar. 5, 1976; lowest, 14.00 ft, below land-surface datum, Nov. 3, 1974.
EXTREMES FOR CURRENT YEAR.--Highest water level, 11.27 ft below land-surface datum, Feb. 28, 29; lowest, 13.59 ft below land-surface datum, Oct. 22, 23, Nov. 1, 2.

WATER LEVEL, FEET BELOW LAND SURFACE, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	13.59	13.23	12.99	13.18	11.32	12.37	11.80	12.10	12.24	12.99	13.36
2	---	13.58	13.26	13.01	13.19	11.41	12.39	11.82	12.15	12.28	12.91	13.38
3	---	13.46	13.29	12.95	13.20	11.50	12.40	11.87	12.20	12.34	12.90	13.37
4	---	13.38	13.31	12.77	13.24	11.57	12.27	11.91	12.24	12.37	12.90	13.35
5	---	13.31	13.33	12.63	13.25	11.64	12.18	11.96	12.29	12.41	12.92	13.36
6	---	13.28	13.34	12.55	13.28	11.72	12.12	12.02	12.25	12.45	12.96	13.38
7	---	13.26	13.35	12.54	13.28	11.78	12.10	12.06	12.27	12.50	12.93	13.40
8	---	13.26	13.36	12.55	13.29	11.81	12.00	12.10	12.31	12.55	12.92	13.40
9	---	13.28	13.38	12.60	13.32	11.86	11.70	12.14	12.28	12.59	12.95	13.30
10	---	13.31	13.39	12.64	13.32	11.92	11.54	12.16	12.15	12.61	12.97	13.19
11	---	13.30	13.39	12.66	13.32	11.97	11.53	12.16	12.13	12.65	13.01	13.18
12	---	13.30	13.39	12.67	13.32	12.02	11.53	12.16	12.00	12.68	13.03	13.17
13	---	13.31	13.39	12.68	13.32	12.08	11.55	12.08	11.89	12.71	13.03	13.13
14	---	13.33	13.40	12.71	13.33	12.12	11.57	12.06	11.76	12.75	13.05	13.12
15	---	13.35	13.35	12.73	13.36	12.14	11.62	12.08	11.62	12.76	13.06	13.08
16	---	13.38	13.14	12.75	13.36	12.14	11.67	12.13	11.57	12.76	13.07	13.07
17	---	13.40	12.99	12.78	13.36	12.14	11.72	12.17	11.61	12.72	13.10	13.08
18	---	13.42	12.90	12.79	13.37	12.13	11.77	12.19	11.66	12.70	13.13	13.11
19	---	13.45	12.87	12.83	13.39	12.13	11.83	12.11	11.73	12.72	13.17	13.14
20	---	13.47	12.87	12.85	13.40	12.13	11.86	12.07	11.79	12.76	13.19	13.16
21	---	13.50	12.79	12.89	13.42	12.10	11.69	12.07	11.84	12.80	13.22	13.20
22	---	13.52	12.70	12.92	13.42	12.10	11.64	12.07	11.88	12.83	13.24	13.22
23	13.58	13.54	12.68	12.93	13.35	12.12	11.57	12.07	11.96	12.87	13.24	12.94
24	13.51	13.56	12.68	12.99	13.07	12.14	11.54	12.04	12.03	12.89	13.22	12.60
25	13.49	13.57	12.70	13.01	12.59	12.17	11.53	11.89	12.08	12.93	13.24	12.50
26	13.48	13.49	12.73	13.03	11.94	12.20	11.55	11.84	12.11	12.97	13.26	12.48
27	13.49	13.34	12.78	13.07	11.44	12.24	11.59	11.84	12.09	13.01	13.29	12.53
28	13.51	13.27	12.82	13.09	11.28	12.28	11.64	11.88	12.09	13.04	13.32	12.55
29	13.53	13.24	12.87	13.12	11.27	12.33	11.70	11.93	12.14	13.06	13.33	12.60
30	13.55	13.23	12.90	13.14	---	12.34	11.75	12.00	12.18	13.06	13.35	12.67
31	13.57	---	12.94	13.15	---	12.37	---	12.06	---	13.06	13.36	---
MEAN	13.52	13.39	13.08	12.84	13.03	12.00	11.80	12.02	12.01	12.71	13.11	13.07
MAX	13.58	13.59	13.40	13.15	13.42	12.37	12.40	12.19	12.31	13.06	13.36	13.40
MIN	13.48	13.23	12.68	12.54	11.27	11.32	11.53	11.80	11.57	12.24	12.90	12.48



PESTICIDE ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

In July 2000, the U.S. Geological Survey, in cooperation with the New York State Department of Environmental Conservation, conducted a monitoring program to determine the occurrence and distribution of pesticide residues in 32 community water-supply wells in upstate New York (fig. 10). 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 or 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.

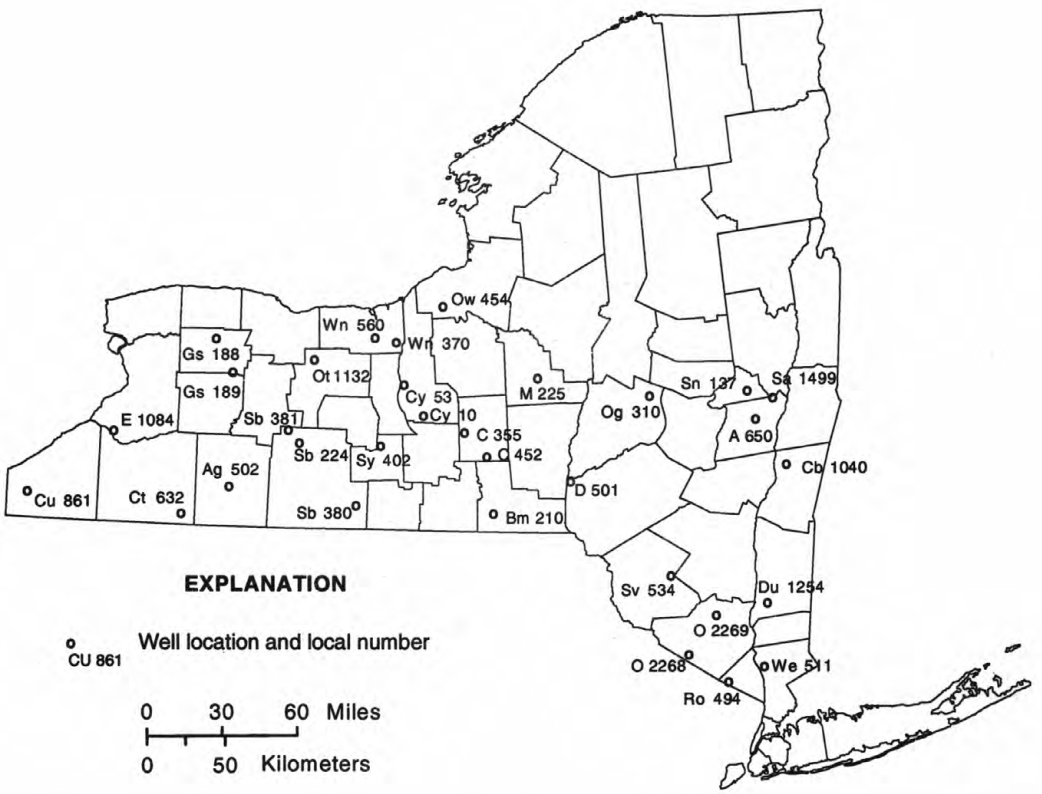


Figure 10.-- Location of community water-supply wells in upstate New York that were sampled in July 2000 for pesticide analysis.

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

LOCAL IDENTIFIER	STATION NUMBER	DATE	TIME	ACETOCHLOR, WATER FLTRD REC (UG/L) (49260)	ALACHLOR, WATER, DISS, REC, (UG/L) (46342)	ATRAZINE, WATER, DISS, REC (UG/L) (39632)	DEETHYL ATRAZINE, WATER, DISS, REC (UG/L) (04040)	METHYL AZINPHOS 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

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000--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

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000--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

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000--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

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000--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

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000--Continued

LOCAL IDENTIFIER	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)
				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

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000--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)
				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

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000--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

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000--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

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000--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

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000--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

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000--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

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000--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

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000--Continued

LOCAL IDENTIFIER	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

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000--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

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000--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

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000--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

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000--Continued

LOCAL IDENTIFIER	DATE	LINURON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALATHION, DISSOLVED (UG/L) (39532)	METOLACHLOR WATER DISSOLV (UG/L) (39415)	METRIBUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOLINATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROPAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PARATHION, DISSOLVED (UG/L) (39542)	METHYL PARATHION 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 IDENTIFIER	DATE	PEBULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDIMETHALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PERMETHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PROMETON, WATER, DISS, REC (UG/L) (04037)	PRONAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPACHLOR, WATER, DISS, REC (UG/L) (04024)	PROPANIL 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 IDENTIFIER	DATE	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)	TRIALLATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRIFLURALIN 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

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000--Continued

LOCAL IDENTIFIER	DATE	ALACHLOR, (ESA) WAT FLT GF 0.7U REC (UG/L) (50009)	ACETOCHLOR ESA FLTRD 0.7 UM GF REC (UG/L) (61029)	ACETOCHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61030)	ALACHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61031)	METOLACHLOR ESA FLTRD 0.7 UM GF REC (UG/L) (61043)	METOLACHLOR OA FLTRD 0.7 UM GF REC (UG/L) (61044)	DIMETHENAMID, ESA, WAT FLT (UG/L) (61951)	FLUFENACET, 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

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

MONROE COUNTY

Water quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, N.Y.

LOCAL IDENTIFIER	STATION NUMBER	DATE	TURBIDITY (NTU) (00076)	SPECIFIC CONDUCTANCE (US/CM) (00095)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE LAB (STANDARD UNITS) (00403)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2) (00405)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)
		MONROE COUNTY						
MO 2	430855077304202	10-26-99	14.0	991	.1	--	9.40	<.01
		03-29-00	5.1	947	6.6	7.82	5.30	<.01
MO 3	430854077304601	10-26-99	.2	1370	.4	--	13.2	<.01
		03-29-00	1.5	1340	.8	7.57	12.7	<.01
MO 659	430932077311501	10-26-99	38.0	781	.1	--	8.70	<.01
		10-26-99	44.0	780	<.1	--	7.50	<.01
		03-29-00	70.0	757	<.1	7.65	15.4	<.01
		03-29-00	31.0	725	<.1	7.88	3.10	<.01
MO 663	430912077313301	10-26-99	2.5	1500	1.4	--	37.4	.01
		03-29-00	14.0	840	4.7	7.53	22.9	.06
MO 664	430912077313302	10-26-99	30.0	2080	<.1	--	88.9	2.4
		03-29-00	12.0	18	<.1	7.26	64.6	1.9
MO 665	430928077313802	10-26-99	43.0	2190	.2	--	130	1.8
		03-29-00	100	2120	.3	7.05	169	1.5
MO 666	430928077313803	10-26-99	45.0	1480	<.1	--	161	8.1
		03-29-00	80.0	1590	<.1	7.04	194	7.8
MO 667	430928077314001	10-26-99	40.0	2580	<.1	--	82.8	8.4
		03-29-00	270	2280	<.1	7.23	116	7.3
MO 668	430928077314002	10-26-99	40.0	2720	<.1	--	150	4.0
		03-29-00	42.0	2640	<.1	7.50	168	5.4

LOCAL IDENTIFIER	DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P) (00671)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	HARDNESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA) (00916)
	MONROE COUNTY							
MO 2	10-26-99	<.10	<.02	.02	M	2.3	--	83
	03-29-00	<.10	.05	.01	M	3.8	310	83
MO 3	10-26-99	<.10	.69	M	.01	3.4	--	100
	03-29-00	.15	.55	.01	M	6.6	375	100
MO 659	10-26-99	<.10	<.02	<.01	<.01	1.9	--	32
	10-26-99	<.10	<.02	M	M	2.6	--	33
	03-29-00	<.10	<.02	.01	.01	1.1	286	32
	03-29-00	.12	.04	<.01	M	1.9	264	25
MO 663	10-26-99	1.6	4.7	.03	.04	17	--	250
	03-29-00	.94	7.2	.18	.09	8.5	416	140
MO 664	10-26-99	2.9	<.02	.28	.08	1.7	--	560
	03-29-00	2.4	.04	.29	.13	2.9	4350	1000
MO 665	10-26-99	8.7	<.02	.60	.01	20	--	180
	03-29-00	3.4	.04	.58	.01	26	688	200
MO 666	10-26-99	7.9	<.02	.27	.09	18	--	180
	03-29-00	8.0	.02	.42	.05	14	655	180
MO 667	10-26-99	8.7	<.02	3.8	.06	16	--	190
	03-29-00	8.1	.03	8.2	.01	28	693	190
MO 668	10-26-99	5.8	.02	.63	.11	14	--	180
	03-29-00	5.8	.04	.60	.09	20	707	180

M, Presence of material verified but not quantified.

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

LOCAL IDENTIFIER	DATE	MAGNESIUM, DISSOLVED (MG/L AS MG) (00925)	SODIUM, DISSOLVED (MG/L AS NA) (00930)	POTASSIUM, DISSOLVED (MG/L AS K) (00935)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L) (70300)
				MONROE COUNTY				
MO 2	10-26-99	21	67	1.3	142	89	780	564
	03-29-00	22	65	1.3	135	91	290	543
MO 3	10-26-99	25	130	2.4	222	95	<50	771
	03-29-00	26	120	2.3	222	101	200	750
MO 659	10-26-99	45	37	2.1	127	19	6400	377
	10-26-99	43	37	2.1	126	19	9000	374
	03-29-00	45	37	2.1	128	21	8700	354
	03-29-00	45	37	2.1	137	16	7800	326
MO 663	10-26-99	26	48	.95	79	248	370	996
	03-29-00	15	25	.88	41	42	1000	519
MO 664	10-26-99	180	2300	24	7050	547	28000	11900
	03-29-00	350	2100	20	5690	525	26000	11000
MO 665	10-26-99	39	210	.56	239	<1	19000	1300
	03-29-00	46	210	.56	234	<1	22000	1230
MO 666	10-26-99	41	69	9.9	75	<1	27000	833
	03-29-00	45	87	10	328	20	32000	864
MO 667	10-26-99	43	250	20	415	<1	35000	1410
	03-29-00	46	210	16	312	<1	35000	1310
MO 668	10-26-99	61	260	6.2	510	<1	26000	1400
	03-29-00	61	260	6.4	508	<1	26000	1420

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

LOCAL IDENT-I-FIER	STATION NUMBER	DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)
		ONONDAGA COUNTY					
OD 475	424853076075701	11-12-99	896	7.8	7.2	12.2	104
		02-15-00	917	8.0	3.9	13.6	104
		05-11-00	698	8.2	15.8	10.8	110
		08-17-00	822	7.9	14.8	11.2	110
OD 469	425115076081801	11-12-99	544	8.1	10.4	5.0	46
OD 464	425122076082201	08-17-00	16000	7.6	11.6	2.6	21
OD 465	425126076082101	02-15-00	14600	7.4	9.9	4.6	44
OD 451	425131076081803	02-15-00	1020	7.5	9.6	6.3	56
		08-17-00	1080	8.0	11.0	2.3	21
OD 450	425131076081901	11-12-99	1630	7.7	10.8	4.7	44
		05-11-00	1680	7.8	10.9	5.9	54
OD 463	425134076082901	05-11-00	1460	7.7	11.4	5.5	51

LOCAL IDENT-I-FIER	DATE	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)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
	ONONDAGA COUNTY							
OD 475	11-12-99	340	84	30	48	1.4	100	22
	02-15-00	320	81	30	64	1.3	130	21
	05-11-00	270	73	20	47	1.5	78	14
	08-17-00	300	76	28	45	1.2	84	21
OD 469	11-12-99	110	23	13	55	1	82	16
OD 464	08-17-00	1400	300	160	2900	7.8	5000	800
OD 465	02-15-00	1600	340	190	2600	6.7	4700	700
OD 451	02-15-00	220	45	26	91	1.2	260	10
	08-17-00	230	46	27	94	1.4	270	9.1
OD 450	11-12-99	310	64	37	160	1.4	410	24
	05-11-00	310	64	36	160	1.5	440	26
OD 463	05-11-00	250	49	31	160	1.4	390	27

LOCAL IDENT-I-FIER	DATE	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	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)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)
	ONONDAGA COUNTY							
OD 475	11-12-99	206	251	8.1	461	12	7	.02
	02-15-00	216	264	7.2	495	<10	3	.03
	05-11-00	194	237	4.9	392	36	7	<.01
	08-17-00	254	310	8.4	432	<10	4	.02
OD 469	11-12-99	94	115	11	286	96	6	.43
OD 464	08-17-00	142	173	13	9730	2100	72	8.1
OD 465	02-15-00	84.0	103	12	9280	1800	86	7.3
OD 451	02-15-00	84.0	103	11	558	85	22	.44
	08-17-00	76.0	93.0	11	580	150	23	.47
OD 450	11-12-99	74	90	11	892	240	27	.61
	05-11-00	84.0	103	10	1010	240	26	.66
OD 463	05-11-00	96.0	117	10	866	160	25	.74

425129076082701 AT OTISCO ROAD NEAR TULLY, NY

LOCATION.--Lat 42°51'29", long 76°08'27", Onondaga County, Hydrologic Unit 04140201, in backyard of Zgardzinski residence at 5445 Otisco Road.
PERIOD OF RECORD.--October 1991 to June 1999, October 1999 to current year.
INSTRUMENTATION.--Tipping bucket raingage with 8.214-inch diameter receiving funnel, mounted on a pedestal in the backyard of residence. Funnel is heated to facilitate melting of snow. Each tip of the raingage bucket is equivalent to .01 in. of precipitation. Tips of the raingage bucket are accumulated and recorded at hourly intervals on an electronic data logger.
REMARKS.--Rain gage is operated in conjunction with streamflow station 04237946 Onondaga Creek Tributary No. 6, downstream of main depression area, for the Tully mudboil project.
PERIOD OF RECORD MAXIMUM.--Maximum recorded daily precipitation, 3.92 inches on November 8, 1996.
MAXIMUM FOR CURRENT PERIOD.--Maximum recorded daily precipitation, 1.72 inches on May 12.

PRECIPITATION, TOTAL, INCHES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.01	.00	.00	.09	.01	.00	.29	.00	.00	.46	.00
2	.00	.24	.00	.02	.05	.12	.37	.04	1.07	.00	.01	.00
3	.01	.07	.00	.44	.00	.01	.21	.00	.00	.08	.00	.00
4	.86	.00	.24	.34	.00	.00	.35	.00	.00	.00	.00	.00
5	.00	.00	.01	.00	.01	.00	.01	.06	.24	.00	.00	.01
6	.01	.00	.09	.00	.00	.00	.03	.00	.66	.00	e.00	.00
7	.00	.00	.01	.00	.02	.01	.11	.00	.00	.00	.82	.00
8	.04	.00	.00	.00	.00	.00	.76	.00	.02	.00	.00	.03
9	.02	.00	.00	.01	.00	.06	.03	.00	.00	.07	.07	.01
10	.02	.37	.15	.42	.01	.00	.04	.18	.00	.00	.01	.00
11	.06	.00	.01	.17	.04	.19	.03	.08	.19	.00	.58	.00
12	.00	.00	.00	.05	.00	.35	.01	1.72	.05	.00	.03	.66
13	.77	.01	.00	.11	.16	.00	.00	e.00	.73	.00	.00	.01
14	.13	.02	.29	.00	.55	.00	.00	.01	.02	.43	.00	.16
15	.00	.04	.03	.00	.01	.08	.00	.00	.02	e.85	.00	.28
16	.00	.06	.02	.02	.02	.41	.00	.00	.00	e.15	.04	.03
17	.00	.00	.03	.00	.00	.02	.12	.00	.05	.00	.09	.00
18	.01	.00	.00	.00	.15	.00	.24	.53	.28	.00	.00	.00
19	.01	.00	.00	.00	.14	.00	.00	e.26	.00	.00	.01	.00
20	.00	.26	.10	.13	.01	.00	.33	.01	.01	.00	.00	.00
21	.00	.00	.00	.02	.04	.00	.26	.05	1.34	.02	.00	.24
22	.14	.00	.00	.00	.00	.00	.14	.03	.02	.01	.00	.01
23	.08	.00	.01	.00	.00	.00	.02	.04	.01	.00	e.00	.52
24	.06	.01	.03	.00	.00	.00	.00	e.67	.00	.00	1.12	.05
25	.01	.15	.00	.07	.11	.02	.00	.18	.04	.00	.00	.00
26	.00	e.85	.02	.02	.00	.00	.00	.00	.00	.02	.00	.00
27	.01	.97	.01	.00	.51	.26	.08	.00	.35	.00	.00	.02
28	.00	.00	.00	.00	.20	.57	.00	.00	.00	.00	.00	.01
29	.00	.55	.00	.00	.00	.24	.00	.00	.00	e.00	.00	.00
30	.00	.00	.01	.02	---	.11	.01	.00	.00	e.15	.00	.00
31	.00	---	.00	.05	---	.00	---	.00	---	.04	.00	---
TOTAL	2.24	3.61	1.06	1.89	2.12	2.46	3.15	4.15	5.10	1.82	3.24	2.04
MAX	.86	.97	.29	.44	.55	.57	.76	1.72	1.34	.85	1.12	.66

e Estimated

GENESEE RIVER BASIN

430117077350101 AT MENDON PONDS, ROCHESTER, NY

LOCATION.--Lat 43°01'17", long 77°35'01", Monroe County, Hydrologic Unit 04130003, in Mendon Ponds County Park, 200 ft east of rangers' quarters, 300 ft east of State Highway 65, and 1.7 mi south of Interstate Highway 90.
PERIOD OF RECORD.--June 1980 to current year (monthly composite). June 1980 to current year (monthly wetfall). June 1980 to current year (monthly dustfall).
INSTRUMENTATION.--Tipping bucket raingage with 8.21 inch diameter receiving funnel; tips are recorded on an electronic data logger at 5 minute intervals. The composite sample collector is a straight-sided polyethlyene funnel approximately 6.5 inch in diameter that drains into a Teflon receiving bottle. A looped plastic tubing connects the funnel with the receiving bottle to retard evaporation. The polyethlyene funnel is heated during the cold-weather season to aid in complete collection of snow. The receiving bottle is enclosed in an insulated box. The opening for the collector is approximately 5 ft above ground level. Wet/dry precipitation collector used for wetfall and dustfall samples. An automatic sensor detects precipitation and activates a motor that removes the cover from the wetfall-collection vessel and covers the dustfall-collection vessel. When precipitation ceases, the cycle is reversed. The sampling vessels are polyethlyene and have a collection diameter of 11.26 inch and a capacity of about 3.4 gallons. The openings of the collectors are approximately 8 ft above ground level.
COOPERATION.--Water-quality samples were collected and analyzed by the Monroe County Health Laboratory at Rochester, NY.
REMARKS.--Prior to 1994 water year, data published in "Water Resources of Monroe County New York, Water Years 1984-88", U.S. Geological Survey Open-File Report 93-370 and in "Water Resources of Monroe County New York, Water Years 1989-93", U.S. Geological Survey Open-File Report 97-587.

DUSTFALL CHEMICAL ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
MONTHLY DUSTFALL

DATE	TIME	PRECIP-ITATION TOTAL INCHES (00045)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA) (00916)	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)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)
OCT 01-29	0915	2.57	1.6	.39	.1	.9	.6	3.5	.44
OCT 29-NOV 30	0815	3.16	2.7	.35	.3	.4	.5	5.0	.42
NOV 30-DEC 29	0845	1.80	2.0	.34	4.7	.1	6.2	3.8	.73
DEC 29-FEB 01	0845	1.38	2.1	.33	6.3	.1	11.0	3.4	.60
FEB 01-29	0845	0.02	1.7	.33	5.7	.1	7.4	7.0	1.6
FEB 29-MAR 31	0845	1.11	2.8	.58	2.4	.2	2.9	8.4	1.4
MAR 31-APR 28	0845	2.13	2.6	.57	.8	.2	.7	9.2	1.2
APR 28-MAY 31	0830	4.75	3.5	.83	.4	1.5	--	8.6	1.1
MAY 31-JUN 30	0900	5.64	2.0	.63	.2	2.0	.4	7.7	.81
JUN 30-JUL 28	0830	2.46	1.4	.46	.1	1.0	.3	5.2	.31
JUL 28-AUG 31	0900	4.53	1.4	.63	.1	1.1	.4	4.5	.03
AUG 31-SEP 29	0930	4.50	.80	.58	.1	4.2	.9	3.4	.08

DATE	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	ACIDITY (MG/L AS CACO3) (00435)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT 01-29	1.4	.74	.540	.340	25	7.6	4.2	17	15
OCT 29-NOV 30	.65	1.1	.060	.020	31	7.9	2.1	3	20
NOV 30-DEC 29	.96	1.6	.025	.007	52	5.5	3.4	26	25
DEC 29-FEB 01	.84	1.3	.040	.010	66	7.0	3.4	38	50
FEB 01-29	1.6	2.8	.030	.014	104	4.2	9.8	49	25
FEB 29-MAR 31	2.3	2.1	.110	.016	62	4.2	4.0	50	40
MAR 31-APR 28	1.9	2.0	.130	.035	62	4.2	6.2	27	25
APR 28-MAY 31	4.1	2.0	.640	.037	57	4.9	5.9	21	35
MAY 31-JUN 30	3.5	1.0	.900	.550	40	4.9	5.5	29	30
JUN 30-JUL 28	1.1	.53	.210	.080	23	5.4	4.2	16	35
JUL 28-AUG 31	.74	.58	.160	.068	21	5.6	2.6	18	20
AUG 31-SEP 29	1.3	.34	.840	.668	28	6.3	4.8	12	15

Note; Monthly dustfall samples are dissolved in one liter of deionized water for analysis and concentrations are reported on a per liter basis. Thus, a reported calcium concentration of 1.0 mg/L would mean that 1.0 mg of calcium accumulated in the sampler.

GENESEE RIVER BASIN

430117077350101 AT MENDON PONDS, ROCHESTER, NY--Continued

WETFALL CHEMICAL ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

MONTHLY WETFALL

DATE	TIME	PRECIP-ITATION TOTAL INCHES (00045)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA) (00916)	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)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)
OCT 01-29	0900	2.57	1.6	.64	.1	1.2	.6	8.8	.42
OCT 29-NOV 30	0800	3.16	.82	.13	.2	.1	.6	1.9	.24
NOV 30-DEC 29	0830	1.80	.54	.07	1.2	.1	1.8	1.9	.28
DEC 29-FEB 01	0830	1.38	.80	.14	2.6	.1	3.8	2.6	.44
FEB 01-29	0830	0.02	1.09	.19	3.8	.1	5.4	4.8	.79
FEB 29-MAR 31	0830	1.11	1.66	.38	1.1	.1	1.6	4.3	.78
MAR 31-APR 28	0830	2.13	.47	.09	.2	.1	.4	3.5	.48
APR 28-MAY 31	0815	4.75	.76	.18	.1	.2	<.2	3.1	.95
MAY 31-JUN 30	0845	5.64	.58	.12	M	.2	<.2	4.3	.59
JUN 30-JUL 28	0815	2.46	.50	.14	.1	.2	.4	4.1	.95
JUL 28-AUG 31	0845	4.53	.31	.06	M	.1	<.2	5.1	.64
AUG 31-SEP 29	0915	4.50	.73	.50	.1	2.5	.7	3.2	.62

DATE	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	ACIDITY (MG/L AS CACO3) (00435)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT 01-29	.84	1.0	.270	.180	48	4.5	11	15	15
OCT 29-NOV 30	.45	.43	.010	.005	14	7.4	3.1	4	10
NOV 30-DEC 29	.37	.72	.010	.009	26	5.4	5.0	14	10
DEC 29-FEB 01	.62	.81	.020	.007	40	5.1	7.2	25	10
FEB 01-29	1.0	2.2	.020	.007	87	4.5	10	34	25
FEB 29-MAR 31	1.1	1.3	.075	.005	34	5.3	2.6	30	35
MAR 31-APR 28	.65	.73	.020	.003	35	3.8	5.8	11	10
APR 28-MAY 31	1.6	.80	.100	.017	32	4.5	5.0	12	20
MAY 31-JUN 30	.76	.60	.075	.012	34	4.1	5.8	16	40
JUN 30-JUL 28	1.4	.48	.110	.056	20	4.9	4.7	16	40
JUL 28-AUG 31	.80	.72	.030	.003	47	3.8	8.4	13	15
AUG 31-SEP 29	2.2	.26	.480	.454	26	5.9	13	12	30

M Presence of material verified but not quantified.

CHEMICAL QUALITY OF PRECIPITATION

GENESEE RIVER BASIN

430117077350101 AT MENDON PONDS, ROCHESTER, NY--Continued

BULK CHEMICAL ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

MONTHLY BULK

DATE	TIME	PRECIP-ITATION TOTAL INCHES (00045)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA) (00916)	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)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)
OCT 01-29	1015	2.57	.64	.06	.1	.2	.3	4.1	.22
OCT 29-NOV 30	0900	3.16	.67	.09	.2	.4	.5	7.9	1.0
NOV 30-DEC 29	0930	1.80	.32	<.01	.6	M	1.3	7.4	.20
DEC 29-FEB 01	0930	1.38	.37	.03	2.9	.2	4.7	9.8	.42
FEB 01-29	0930	0.02	.66	.02	2.2	.1	3.7	17.0	.31
FEB 29-MAR 31	0930	1.11	.46	.02	.6	.1	1.1	8.0	.29
MAR 31-APR 28	0930	2.13	.38	<.01	.1	.1	.5	5.2	.28
APR 28-MAY 31	0915	4.75	.42	.09	.1	.2	.4	3.6	.68
MAY 31-JUN 30	0945	5.64	.56	.04	M	.2	.4	4.3	.34
JUN 30-JUL 28	0915	2.46	.30	.08	M	.3	.4	4.1	.39
JUL 28-AUG 31	0945	4.53	.28	.03	M	.1	.3	4.4	.52
AUG 31-SEP 29	1015	4.50	.20	.02	.1	.1	.4	4.1	.34

DATE	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	ACIDITY (MG/L AS CACO3) (00435)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT 01-29	.41	.49	.020	.005	21	7.2	10	12	5700
OCT 29-NOV 30	1.5	.53	.100	.071	47	7.1	8.2	4	6400
NOV 30-DEC 29	.32	.67	.020	.004	40	6.0	10	25	8700
DEC 29-FEB 01	.73	.63	.035	.020	62	7.3	14	28	11500
FEB 01-29	.43	1.4	.015	.003	80	6.7	29	40	15700
FEB 29-MAR 31	.42	.79	.020	.002	44	6.5	14	34	11000
MAR 31-APR 28	.37	.66	.010	.003	32	6.4	11	30	8500
APR 28-MAY 31	.90	.69	.055	.015	32	6.4	9.1	51	6100
MAY 31-JUN 30	.53	.50	.040	.007	26	6.8	8.6	40	5600
JUN 30-JUL 28	.50	.55	.055	.025	28	6.9	12	25	6200
JUL 28-AUG 31	.80	.56	.100	.039	30	6.5	12	54	7600
AUG 31-SEP 29	.42	.52	.035	.023	25	6.0	8.6	16	6100

M Presence of material verified but not quantified.

IRONDEQUOIT CREEK BASIN

430836077314101 AT INDIAN LANDING SCHOOL, ROCHESTER, NY

LOCATION.--Lat 43°08'36", long 77°31'41", Monroe County, Hydrologic Unit 04140101, at Indian Landing School, about 200 ft east of North Landing Road.
PERIOD OF RECORD.--October 1997 to current year (monthly dustfall). October 1997 to current year (monthly wetfall).
INSTRUMENTATION.--Tipping bucket raingage with 8.21 inch diameter receiving funnel; tips are recorded on an electronic data logger at 5 minute intervals. Wet/dry precipitation collector used for wetfall and dustfall samples. An automatic sensor detects precipitation and activates a motor that removes the cover from the wetfall-collection vessel and covers the dustfall-collection vessel. When precipitation ceases, the cycle is reversed. The sampling vessels are polyethlyene and have a collection diameter of 11.26 inches and a capacity of about 3.4 gallons. The openings of the collectors are approximately 8 ft above ground level.
COOPERATION.--Water-quality samples were collected and analyzed by the Monroe County Health Laboratory at Rochester, NY. Rochester, NY.
REMARKS.--Prior to the 1998 water year, data collected at a site (431021077315902) in the Irondequoit Wetlands 1,350 ft. south of New York State Highway 404.

DUSTFALL CHEMICAL ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
MONTHLY DUSTFALL

DATE	TIME	PRECIP-ITATION TOTAL INCHES (00045)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA) (00916)	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)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)
OCT 01-29	1100	--	1.9	.57	.10	.38	.57	8.2	.94
OCT 29-NOV 30	0930	--	1.6	.22	.20	.14	.50	2.1	.13
NOV 30-DEC 29	1000	--	2.2	.49	4.5	.10	7.8	4.2	.80
DEC 29-FEB 01	1000	--	1.8	.39	4.8	.07	8.7	3.1	.59
FEB 01-29	1000	--	2.0	.54	7.4	.07	12	7.6	1.6
FEB 29-MAR 31	1000	--	.86	.10	1.3	.11	1.6	1.4	.12
MAR 31-APR 28	1000	--	1.5	.27	1.1	.16	1.2	2.8	.10
APR 28-MAY 31	0945	--	.72	.22	.08	.67	.20	<1.0	.08
MAY 31-JUN 30	1015	--	2.5	.71	.22	.40	.70	14	1.4
JUN 30-JUL 28	0945	--	1.2	.30	.06	.30	.30	<2.0	.06
JUL 28-AUG 31	1015	--	4.3	1.8	.09	.34	.30	17	.47
AUG 31-SEP 29	1045	--	1.8	.75	.04	.23	.40	6.1	.63

DATE	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	ACIDITY (MG/L AS CACO3) (00435)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT 01-29	1.2	1.1	.070	.020	39	4.6	7.3	20	25
OCT 29-NOV 30	<.01	.61	.040	.005	18	7.4	.80	<2	25
NOV 30-DEC 29	1.1	1.3	.040	.006	58	5.5	2.5	20	85
DEC 29-FEB 01	.76	.97	.035	.010	53	7.3	3.4	20	25
FEB 01-29	1.8	2.6	.025	.012	110	4.3	11	40	40
FEB 29-MAR 31	.45	.46	.065	.015	17	8.0	.90	20	120
MAR 31-APR 28	.81	.75	.110	.015	22	6.8	1.3	20	70
APR 28-MAY 31	2.0	.50	.330	.134	18	5.9	9.5	20	50
MAY 31-JUN 30	3.0	1.6	.220	.005	82	3.9	9.4	20	60
JUN 30-JUL 28	.93	.47	.120	.041	16	6.6	3.3	20	50
JUL 28-AUG 31	1.4	1.2	.220	.013	58	5.5	4.8	30	60
AUG 31-SEP 29	.93	.85	.035	.016	29	5.9	2.9	10	20

Note; Monthly dustfall samples are dissolved in one liter of deionized water for analysis and concentrations are reported on a per liter basis. Thus, a reported calcium concentration of 1.0 mg/L would mean that 1.0 mg of calcium accumulated in the sampler.

CHEMICAL QUALITY OF PRECIPITATION

IRONDEQUOIT CREEK BASIN

430836077314101 AT INDIAN LANDING SCHOOL, ROCHESTER, NY--Continued

WETFALL CHEMICAL ANALYSES, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
MONTHLY WETFALL

DATE	TIME	PRECIP-ITATION TOTAL INCHES (00045)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA) (00916)	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)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)
OCT 01-29	1030	--	1.9	.55	.13	.29	.50	4.5	1.1
OCT 29-NOV 30	0915	--	1.9	.69	.26	1.5	1.0	5.2	.25
NOV 30-DEC 29	0945	--	.60	.16	.50	.02	.90	2.1	.38
DEC 29-FEB 01	0945	--	.72	.24	1.2	.04	2.3	3.2	.57
FEB 01-29	0945	--	1.5	.41	2.9	.06	4.6	6.1	1.7
FEB 29-MAR 31	0945	--	3.7	1.1	2.3	.24	3.7	11	1.7
MAR 31-APR 28	0945	--	1.3	.42	.42	.08	.74	5.0	.69
APR 28-MAY 31	0930	--	1.8	.65	.20	.63	<.20	7.6	1.5
MAY 31-JUN 30	1000	--	3.8	1.2	.22	.38	.30	16	1.6
JUN 30-JUL 28	0930	--	3.2	1.3	.16	.75	.50	13	2.1
JUL 28-AUG 31	1000	--	1.7	.71	.05	.18	.40	10	1.1
AUG 31-SEP 29	1030	--	2.37	.71	.06	.12	.40	6.1	.15

DATE	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	ACIDITY (MG/L AS CACO3) (00435)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB) (01051)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN) (01092)
OCT 01-29	1.3	1.0	.095	.058	34	6.6	5.8	20	70
OCT 29-NOV 30	<.01	.68	.100	.041	31	7.2	5.8	2	70
NOV 30-DEC 29	.48	.68	.008	.005	23	4.8	4.4	20	23
DEC 29-FEB 01	.65	.58	.020	.007	32	5.7	4.2	30	50
FEB 01-29	1.6	2.1	.025	.011	79	4.5	9.1	30	90
FEB 29-MAR 31	2.2	2.1	.130	.016	68	8.3	1.8	20	200
MAR 31-APR 28	1.1	1.2	.048	.010	35	4.8	3.8	10	20
APR 28-MAY 31	2.4	1.2	.295	.038	40	5.7	4.8	20	50
MAY 31-JUN 30	2.4	1.8	.190	.059	68	4.7	5.5	30	115
JUN 30-JUL 28	4.0	1.4	.480	.240	61	6.9	4.4	20	80
JUL 28-AUG 31	1.6	1.5	.120	.048	55	4.1	8.0	10	35
AUG 31-SEP 29	.52	.78	.065	.004	28	5.9	--	20	50

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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.

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