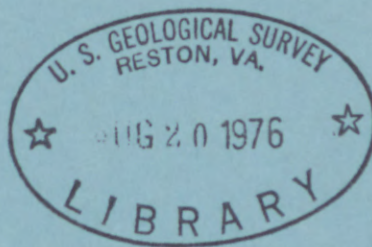




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Water Resources Data for New York Water Year 1975

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U.S. GEOLOGICAL SURVEY WATER-DATA REPORT NY-75-1

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

CALENDAR FOR WATER YEAR 1975

1974

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Water Resources Data for New York Water Year 1975



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PREFACE

This report was prepared by the U.S. Geological Survey in cooperation with the State of New York and with other agencies by personnel of the New York district of the Water Resources Division under the supervision of R. J. Dingman, District Chief, and J. T. Callahan, Regional Hydrologist, Northeastern Region.

This report is one of a series issued by State under the general direction of J. S. Cragwall, Jr., Chief Hydrologist, and G. W. Whetstone, Assistant Chief Hydrologist for Scientific Publications and Data Management.

THOMAS S. KLEPPE, Secretary

GEOLOGICAL SURVEY

V. E. McKelvey, Director

Prepared in cooperation with

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Central New York State Parks Commission
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County of Cortland, Planning Department
County of Dutchess
County of Nassau, Department of Public Works
County of Onondaga, Department of Public Works
County of Onondaga, Water Authority
County of Orange, Department of Public Works
County of Suffo'k, Department of Environmental Control
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County of Ulster, County Legislature
County of Westchester, Department of Public Works
City of Albany, Department of Water and Water Supply
City of Auburn
City of New York, Board of Water Supply
City of New York, Department of Water Resources
Town of Brighton
Town of Clarkstown
Town of Warwick
Village of Nyack, Board of Water Commissioners
Delaware River Basin Commission
Corps of Engineers, U.S. Army
Environmental Protection Agency
Soil Conservation Service

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Albany, N.Y. 12201

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(t) temperature, (s) sediment)

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WATER RESOURCES DATA FOR NEW YORK, 1975

Section 1. Surface-Water Records

Section 2. Water-Quality Records

Section 3. Ground-Water Records

INTRODUCTION

Water-Resources data for the 1975 water year (October 1 to September 30) for New York State are given in this report in three sections. Location of gaging stations and ground water wells are shown on figures 6A, 6B, and 6C.

Section 1: Surface-Water Records. Contains discharge data for 209 gaging stations, stage-content data for 39 lake and reservoir stations, and stage-only data for 31 stations (6 of which are tide stations). Also, discharge data for 174 partial-record stations (including 86 crest-stage and 88 low-flow stations) and 199 miscellaneous sites are listed.

Section 2: Water-Quality Records. Contains chemical, temperature, and suspended-sediment data on surface water for 151 stations, 81 partial-record stations, and 113 miscellaneous sites, as well as chemical data from 233 ground-water miscellaneous sites and 10 precipitation-quality stations.

Chemical data are reported for 137 surface water stations, 81 surface-water partial-record stations, 113 surface-water miscellaneous sites, 233 ground-water miscellaneous sites, and 10 precipitation-quality stations. Temperature data are reported for 35 surface-water stations. Suspended-sediment data are reported for 12 surface-water stations and 22 surface-water partial-record stations.

Many of the stations provide data on two or three of the above water-quality aspects.

Section 3: Ground-Water Records. Contains water-level data from 42 long-term observation wells.

These data represent that part of the National Water Data System operated by the U.S. Geological Survey in cooperation with municipal, county, State, and other Federal agencies in New York State.

Records of discharge (or 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 water year 1960, these water-supply papers were in an annual series and then in a 5-year series for 1961-65 and 1966-70 (in press). 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."

Beginning with the 1961 water year, streamflow data have been released by the Geological Survey in annual reports on a State-boundary basis. Water-quality data beginning with the 1964 water year have been similarly released in separate reports. These reports provided rapid release of preliminary water data shortly after the end of the water year. The final data were then released in the water-supply paper series mentioned above. Beginning with the 1975 water year, water data will be released on a State-boundary basis in final form and will not be republished in the water-supply paper series. The 1975 and subsequent water year reports will be in a series which will 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 report is identified as "U.S. Geological Survey Water-Data Report NY-75-1." These reports are for sale to the public for a nominal fee from the National Technical Information Service, U.S. Department of Commerce, Springfield, Virginia, 22151. For more information on publications available, see "Publications" in appropriate sections on subsequent pages.

COOPERATION

The U.S. Geological Survey and organizations of the State of New York have had cooperative agreements for the systematic collection of water records since 1900. Organizations that supplied data are acknowledged in station descriptions. Organizations that assisted in collecting data through cooperative agreements with the Survey are:

- New York State Department of Environmental Conservation,
Ogden Reid, commissioner
- New York State Department of Transportation, R.T. Schuler,
commissioner
- Power Authority of the State of New York, J.A. Fitzpatrick,
chairman; G.T. Berry, chief engineer
- Board of Hudson River-Black River Regulating District,
Robert Forrest, chief engineer
- Central New York State Parks Commission, Samuel Perry,
regional director
- Oswegatchie River-Cranberry Reservoir Commission, Brockenbrough
Evans, chairman
- County of Chautauqua, Planning Department, J.R. Luensman, director
- County of Cortland, Planning Department, E.T. Jones, director
- County of Dutchess, W.H. Bartles, county executive
- County of Nassau, Department of Public Works, H.J. Plock Jr.,
commissioner
- County of Onondaga, Department of Public Works, U.T. Mann,
commissioner
- County of Onondaga, Water Authority Commission, S.E. Pomeroy,
chairman
- County of Orange, Department of Public Works, L.J. Cascino,
commissioner

County of Suffolk, Department of Environmental Control, J.M. Flynn, commissioner
 County of Suffolk, Water Authority, W.C. Hazlitt, chairman
 County of Ulster, County Legislature, P. Savage, chairman
 County of Westchester, Department of Public Works, Frank Bohander, commissioner
 City of Albany, Department of Water and Water Supply, Kenneth DeLisle, commissioner
 City of Auburn, B.L. Clifford, city manager
 City of New York, Board of Water Supply, Martin Hauptman, chief engineer
 City of New York, Department of Water Resources, Charles Samowitz, commissioner, Abraham Groopman, chief engineer
 Town of Brighton, R.D. Wiles, supervisor
 Town of Clarkstown, G.S. Gerber, supervisor
 Town of Warwick, C.B. Rowe, supervisor
 Village of Nyack, Board of Water Commissioners, Leonard Cooke, chairman
 Delaware River Basin Commission, J.F. Wright, executive director

Assistance in the form of funds was given by the Corps of Engineers, U.S. Army, in collecting records for 58 gaging stations published in this report and by Soil Conservation Service and the Environmental Protection Agency.

The following organizations aided in collecting records:

Municipalities of Batavia, Canandaigua, Cortland, Harrison, Jamestown, Lancaster, Mamaroneck, Oneida, Plattsburgh, Rochester, Rome, Rye, Syracuse, Tarrytown, Watertown, and Yonkers; Cornell University; Central Hudson Gas and Electric Corporation; Chase Bag Company; Indian River Company; New York State Electric and Gas Corporation; Niagara Mohawk Power Corporation; Rochester Gas and Electric Corporation; Texaco Incorporated; Orange and Rockland Utilities Incorporated; and Power Authority of the State of New York.

DEFINITION OF TERMS AND ABBREVIATIONS

Terms related to streamflow, water-quality, and other hydrologic data, as used in this report are defined below. See also table 1 for converting English units to International System of units (SI) on p. 35.

Acre-foot (AC-FT, ac-ft) is a 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 metres.

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

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

Total coliform bacteria are a particular group of bacteria that are used as indicators of possible sewage pollution. They are characterized as aerobic or facultative anaerobic, gram-negative, nonspore-forming, rod-shaped bacteria which ferment lactose with gas formation within 48 hours at 35°C. In the laboratory these bacteria are defined as all the organisms which produce colonies with a golden-green metallic sheen within 24 hours when incubated at 35°C ± 1.0°C on M-Endo medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 ml of sample.

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

Fecal streptococcal bacteria are bacteria found also in the intestine of warmblooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as gram-positive, cocci bacteria which are capable of growth in brain-heart infusion broth. In the laboratory they are defined as all the organisms which produce red or pink colonies within 48 hours at 35°C ± 1.0°C on M-enterococcus medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 ml of sample.

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

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

Ash weight is the weight or amount of residue present after the residue from the dry weight determination has been ashed in a muffle furnace at a temperature of 500°C for 1 hour. The ash weight values of zooplankton and phytoplankton are expressed in g/m³ (grams per cubic metre), and periphyton and benthic organisms in g/m² (grams per square metre).

Dry weight refers to the weight of residue present after drying in an oven at 60°C for zooplankton and 105°C for periphyton, until the weight remains unchanged. This weight represents the total organic matter, ash and sediment, in the sample. Dry weight values are expressed in the same units as ash weight.

Bottom deposits (bottom material) The sediment mixture of which the streambed is composed.

Cfs-day 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, approximately 1.9835 acre-feet, or about 646,000 gallons or 2,445 cubic metres. It represents a runoff of approximately 0.0372 inches from 1 square mile or 0.3468 millimetre from 1 square kilometre.

Chemical oxygen demand (COD) indicates the quantity of oxidizable compounds in water and varies with water composition(s), temperature, period of contact, and other factors.

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

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

Control designates a feature downstream from the gage that determines the stage-discharge relation at the gage. This feature may be a natural constriction of the channel, an artificial structure, or a uniform cross section over a long reach of the channel.

Cubic foot per second (cfs, CFS) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to 7.48 gallons per second or 448.8 gallons per minute or 0.02832 cubic metres per second.

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 that the runoff is distributed uniformly in time and area.

Discharge is the volume of water (or more broadly, total fluids), that passes a given point within a given period of time.

Daily mean discharge is the mean discharge for one day.

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

Instantaneous discharge is the discharge at a given time.

Dissolved refers to the amount of a substance present in true chemical solution. In practice, however, the term includes all forms of the substance that will pass through a 0.45-micrometre membrane filter, and thus may include some very small (colloidal) suspended particles. Analyses are performed on filtered samples.

Drainage area of a stream at a specified location is that area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the river above the specified point. Figures of drainage areas given herein include all closed basins, or noncontributing areas, within the area unless otherwise noted.

Drainage basin is a part of the surface of the earth that is occupied by a drainage system, which consists of a surface stream or body of impounded surface water together with all tributary surface streams and bodies of impounded surface water.

Gage height (G.H.) is the water-surface elevation referred to some arbitrary 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 particular site on a stream, canal, lake, or reservoir where systematic observations of gage height or discharge 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 obtained.

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 equivalent calcium carbonate (CaCO_3).

Methylene blue active substance (MBAS) is a measure of apparent detergents. This determination depends on the formation of a blue color when methylene blue dye reacts with synthetic detergent compounds.

Micrograms per kilogram (UG/KG, ug/kg) A microgram is equal to 0.000001 gram or 10^{-6} gram; a kilogram is approximately the mass of a litre of water at 4°C above the freezing point (one kilogram equals 1,000 grams); therefore, $1 \text{ ug/kg} = 10^{-6} \text{ grams/1,000 grams}$.

Micrograms per litre (UG/L, ug/l) is a unit expressing the concentration of chemical constituents in solution as the weight (micrograms) of solute per unit volume (litre) of water. One thousand micrograms per litre is equivalent to one milligram per litre.

Milligrams per litre (MG/L, mg/l) is a unit for expressing the concentration of chemical constituents in solution. Milligrams per litre represents the weight of solute per unit volume of water. Milligrams or micrograms per litre may be converted to milliequivalents (one thousandth of a gram-equivalent weight of a constituent) per litre by multiplying by the factors in table 2. Concentration of suspended sediment is also expressed in mg/l, and is based on the weight of sediment per litre of water-sediment mixture.

Organism is any living entity, such as an insect, phytoplankter, or zooplankter.

Cells/volume refers to the number of cells of any organism which is counted by using a microscope and grid or counting cell. Many planktonic organisms are multi-celled and are counted according to the number of contained cells per sample volume, usually millilitres (ml) or litres (l).

Table 1.--Factors for conversion of chemical constituents in milligrams per litre to milliequivalents per litre

Ion	Multi- ply by	Ion	Multi- ply by
Aluminum (Al ⁺³)....	0.11119	Iodide (I ⁻¹).....	0.00788
Ammonia as NH ₄ ⁺¹ ...	.05544	Iron (Fe ⁺³).....	.05372
Barium (Ba ⁺²).....	.01456	Lead (Pb ⁺²).....	.00965
Bicarbonate (HCO ₃ ⁻¹)	.01639	Lithium (Li ⁺¹)....	.14411
Bromide (Br ⁻¹).....	.01251	Magnesium (Mg ⁺²)..	.08226
Calcium (Ca ⁺²).....	.04990	Manganese (Mn ⁺²)..	.03640
Carbonate (CO ₃ ⁻²)..	.03333	Nickel (Ni ⁺²).....	.03406
Chloride (Cl ⁻¹)....	.02821	Nitrate (NO ₃ ⁻¹)...	.01613
Chromium (Cr ⁺⁶)....	.11539	Nitrite (NO ₂ ⁻¹)...	.02174
Cobalt (Co ⁺²).....	.03394	Phosphate (PO ₄ ⁻³)	.03159
Copper (Cu ⁺²).....	.03148	Potassium (K ⁺¹)...	.02557
Cyanide (CN ⁻¹).....	.03844	Sodium (Na ⁺¹).....	.04350
Fluoride (F ⁻¹).....	.05264	Strontium (Sr ⁺²)..	.02283
Hydrogen (H ⁺¹).....	.99209	Sulfate (SO ₄ ⁻²)...	.02082
Hydroxide (OH ⁻¹)...	.05880	Zinc (Zn ⁺²).....	.03060

To convert micrograms per litre, multiply by factor and divide by 1,000.

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 metres (m²), acres, or hectares. 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 millilitres (ml) or liters (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.

Partial-record station is a particular site where limited stream-flow or water-quality data are collected systematically over a period of years for use in hydrologic analyses.

Percent composition 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.

Pesticides include insecticides and herbicides.

Insecticides are substances or a mixture of substances intended to control, destroy, or repel insects.

Herbicides are substances or a mixture of substances intended to control or destroy any vegetation.

PCB (Polychlorinated biphenyls) Industrial chemicals composed of mixtures of chlorinated biphenyl compounds having various percentages of chlorine. They are similar in chemical structure to organochloride insecticides.

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

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

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).

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 water. They are the primary food producers in the aquatic environment, and are commonly known as algae.

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

Sediment is the solid material that originates mostly from disintegrated rocks and is transformed by, suspended in, or deposited from water; it 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.

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

Suspended-sediment discharge is the rate at which dry weight of sediment passes a section of a stream or is the quantity of sediment as measured by dry weight, or by volume, that is discharged in a given time. It is computed by multiplying discharge times mg/l times 0.0027.

Total sediment discharge or total sediment load is the sum of the suspended-sediment discharge and the bedload discharge. It is the total quantity of sediment, as measured by dry weight or volume, that is discharged during a given time.

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 litre of water-sediment mixture (mg/l).

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

Solute is any substance derived from the atmosphere, vegetation, soil, or rocks that is dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current and is expressed in micromhos per centimetre at 25°C. Because the specific conductance is related to the number and specific chemical types of ions in solution, it can be used for approximating the dissolved-solids content in the water. Commonly, the amount of dissolved solids (in milligrams per litre) is about 65 percent of the specific conductance (in micromhos per cm at 25°C). This relation is not constant from stream to stream or from well to well, and it may even vary in the same source with changes in the composition of the water.

Stage-discharge relation is the relation between gage height and the volume of water per unit of time flowing in a channel, expressed as volume per unit of 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." Streamflow may be applied to discharge whether or not it is affected by diversion or regulation.

Thermograph is a thermometer that continuously and automatically records, on a chart, the water temperature of a stream. "Temperature recorder" is the term used to indicate the location of the thermograph or a digital mechanism that automatically records water temperature on paper tape.

Tons per acre-foot indicated the dry weight of dissolved solids in 1 acre-foot of water. It is computed by multiplying the concentration in milligrams per litre by 0.00136.

Tons per day is the quantity of a substance in solution or suspension that passes a stream section during a 24-hour period.

Total (as used in tables of chemical analyses) refers to the amount of a substance that is present both in solution and in suspension. Analyses are performed on representative samples of water-suspended sediment mixtures.

WRD is used as an abbreviation for "Water-Resources Data" in the summary REVISIONS paragraph to refer to previously published State annual basic-data reports.

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

Water year in 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 included 9 of the 12 months. See calendar on inside of the cover. Thus, the year ending September 30, 1975, is called the "1975 water year."

SPECIAL NETWORKS AND PROGRAMS

Some of the stations for which data are published in this report are included in special networks and programs. These stations are identified by their title, set in parentheses, under the station name.

Hydrologic bench-mark 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 bench-mark station may be used to separate effects of natural from manmade changes in other basins which have been developed and in which the physiography, climate, and geology are similar to those in the undeveloped bench-mark basin.

National stream-quality accounting network is an accounting network designed by the U.S. Geological Survey to meet many of the information demands of agencies or groups involved in national or regional water-quality planning and management. Both accounting and broad-scale monitoring objectives have been incorporated in the network design. Areal configuration of the network is based on river-basin accounting units designated by the Office of Water Data Coordination in consultation with the Water Resources Council. Primary objectives of the network are (1) to depict areal variability of water-quality conditions nationwide on a year-to-year basis and (2) to detect and assess long-term changes in stream quality.

Radiochemical program is a network of regularly sampled water-quality stations where additional samples are collected monthly or twice a year (at high and low flow) to be analyzed for radioisotopes. The streams that are sampled represent major drainage basins in the conterminous United States.

Radioisotopes are isotope 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 35 and 37, with the natural mixture having atomic weight 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 (Rose, 1966, p. 272). There are 275 isotopes of the 81 stable elements in addition to over 800 radioactive isotopes.

Radioisotopes that are determined in this program are natural uranium in micrograms per litre, radium as radium-226 in picocuries per litre, gross beta radiation as equivalent strontium/yttrium-90 or cesium-137 in picocuries per litre, and gross alpha radiation as micrograms of uranium equivalent per litre. Gross alpha and beta radioactivity associated with the fine grained (silt and clay sized) sediments in the samples are also determined.

DOWNSTREAM ORDER AND STATION NUMBERS

Records are listed in a downstream direction along the main stream, and stations on tributaries are listed between stations on the main stream in the order in which those tributaries enter the main stream. Stations on tributaries entering above all mainstream stations are listed before the mainstream station. Stations on tributaries to tributaries are listed in a similar manner. In the lists of gaging and water-quality stations in the front of this report, the rank of tributaries is indicated by indentation. Each indentation represents one rank.

As an added means of identification, each gaging station, partial-record station, miscellaneous site, and water-quality station has been assigned a station number. These are in the same downstream order used in this report. In assigning station numbers, no distinction is made between partial-record stations and gaging stations; therefore, the station number for a partial-record station indicates downstream order position in a list made up of both types of stations. Water-quality stations located at or near gaging stations or partial-record stations have the same number as the gaging or partial-record station. 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 01358000, which appears just to the left of the station name includes the 2-digit part number "01" plus the 6-digit downstream order number "358000." In this report, the records are listed in downstream order by parts. The part number refers to an area whose boundaries coincide with certain natural drainage lines. Records in this report are in Part 1 (North Atlantic slope basin), Part 3 (Ohio River basin), and Part 4 (St. Lawrence River basin). All records for a drainage basin encompassing more than one State can be arranged in downstream order by assembling pages from the various State reports by station number to include all records in the basin.

NUMBERING SYSTEM FOR WELLS

The well numbering system of the U.S. Geological Survey is based on the grid system of latitude and longitude. The number consists of 15 digits. The first 13 digits of the well number are the coordinates of the southeast corner of the 1-second grid in which the well is located. The first 6 digits denote the degrees, minutes, and seconds of latitude, the next 7 digits denote the degrees, minutes, and seconds of longitude. If the well site is directly on the dividing line of the grid, the coordinates are those of the intersecting line south of the point on a vertical line or east of the point on a horizontal line. (See fig. 1.) The last 2 digits of the well number are sequential numbers for wells within the 1-second grid. The first well in the 1-second grid from which a record is obtained is given the number 1. Each subsequent well is numbered in the order records were obtained. The system provides the geographic location of the well and a unique number for each well.

A local well-numbering system is also used. It is a 2-part identifier consisting of the abbreviation of county name and the serial number of the well within the county.

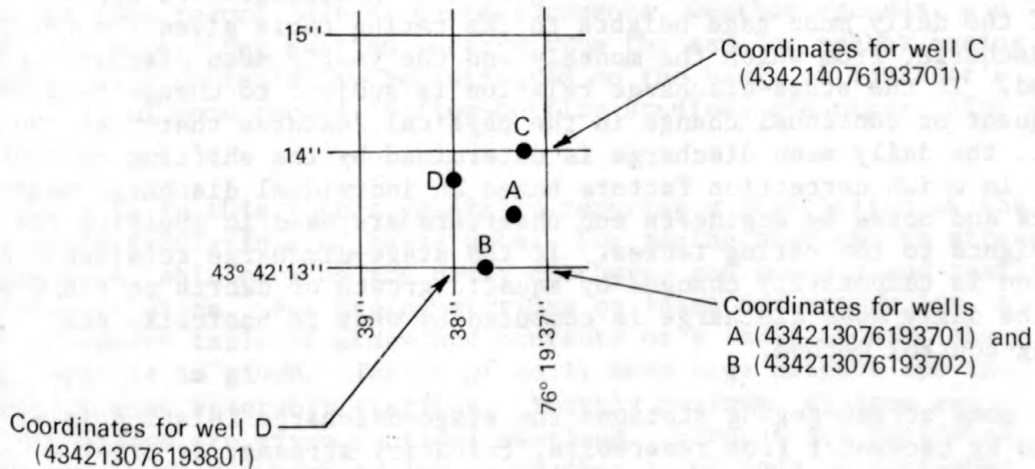


Figure 1.--Well location system.

EXPLANATION OF SURFACE-WATER RECORDS

Collection and Computation of Data

The base data collected at gaging stations consist of records of stage and measurements of discharge of streams or canals and stage, surface area, and contents of lakes or reservoirs. In addition, observations of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in determining the daily flow or volume of water in storage. Records of stage are obtained from a water-stage recorder that gives a continuous graph of the fluctuations (for digital recorders, a tape punched at 15-, 30-, or 60-minute intervals) or from direct readings on a nonrecording gage. Measurements of discharge are made with a current meter, using the general methods adopted by the Geological Survey on the basis of experience in stream gaging since 1888. These methods are described in standard textbooks, in Water Supply Paper 888 by Corbett and others, and in U.S. Geological Survey Techniques of Water Resources Investigations Book 3, chapter A6 by Carter and Davidian. Surface areas of lakes or reservoirs are determined from instrument surveys using standard methods. The configuration of the reservoir bottom is determined by sounding at many points.

For a stream-gaging station, rating tables giving the discharge for any stage are prepared from stage-discharge relation curves defined by discharge measurements. If extensions to the rating curves are necessary to express discharges greater than measured, they are made on the basis of indirect measurements of peak discharge (such as slope-area or contracted-opening measurements, computation of flow over dams or weirs), velocity-area studies, and logarithmic plotting. The application of the daily mean gage heights to the rating table gives the daily mean discharge, from which the monthly and the yearly mean discharge are computed. 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 determined by the shifting-control method, in which correction factors based on individual discharge measurements and notes by engineers and observers are used in applying the gage heights to the rating tables. If the stage-discharge relation for a station is temporarily changed by aquatic growth or debris on the control, the daily mean discharge is computed by what is basically the shifting-control method.

At some stream-gaging stations the stage-discharge relation is affected by 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 determining discharge. Information required for determining 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 determining discharge.

At some stream-gaging stations, the stage-discharge relation is affected by ice in the winter and the discharge cannot be computed in the usual manner. Discharge for periods of ice effect is computed on the basis of the gage-height record and occasional winter-discharge measurements, consideration being given to the available information on temperature and precipitation, notes by gage observers and hydrologists, and comparable records of discharge for other stations in the same or nearby basins.

For a lake or reservoir station, capacity tables giving the contents for any stage are prepared from stage-area relation curves defined by surveys. Discharge over spillways is computed from a stage-discharge relation curve defined by discharge measurements. Application of the stage to the capacity table gives the contents from which daily, monthly, or yearly change in contents is computed.

If the stage-capacity curve is subject to changes because of deposition of sediment in the reservoir, periodic resurveys of the reservoir are necessary to define new stage-capacity curves. During the period between reservoir surveys, the computed contents may be increasingly erroneous owing 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; for example, the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well. For such periods, the daily discharges are estimated on the basis of recorded range in stage, adjoining good record, discharge measurements, weather records, and comparison with other station records from the same or nearby basins. Likewise daily contents may be estimated on the basis of operator's log, adjoining good record, inflow-outflow studies, and other information.

The data in this report generally comprise a description of the station and tabulations of basic data. For gaging stations on streams or canals, a table showing the daily discharge and monthly and yearly discharge is given. For gaging stations on lakes and reservoirs, a monthly summary table of stage and contents or a table showing the daily contents is given. Tables of daily mean gage heights are included for some reservoir stations. Monthly maximum, minimum and mean elevations are given on tidal stations. Records are published for the water year, which begins on October 1 and ends on September 30. A calendar for the 1975 water year is shown on the reverse side of the back cover to facilitate finding the day of the week for any date.

The description of the gaging station gives location, drainage area, period of record, type and history of gages, average discharge, extremes of discharge or contents, general remarks, and notations of revisions or previously published records. Location of the gaging station and the drainage area are obtained from the most accurate maps available. River mileage, given under "LOCATION" for some stations, is that determined and used by the Corps of Engineers or other agencies. Periods for which there are published records for the present station or for stations generally equivalent to the present one are given under "PERIOD OF RECORD." The type of gage currently in use, the datum of the present gage above mean sea level, and a condensed history of types, locations, and datums of previous gages used during the period of record are given under "GAGE." In reference to datum of gage, the phrase "mean sea level" denotes "Sea level datum of 1929" as used by the Topographic Division of the Geological Survey, unless otherwise qualified. The average discharge for the number of years indicated is given under "AVERAGE DISCHARGE;" it is not given for stations having fewer than 5 complete years of record or for stations where changes in water development during the period of record cause the figure to have little significance. In addition, the median of yearly mean discharges is given for stream-gaging stations having 10 or more complete years of record if the median differs from the average by more than 10 percent. The maximum discharge (or contents) and the maximum gage height, the minimum discharge if there is little or no regulation (or the minimum contents), and the minimum gage height if it is significant are given under "EXTREMES." The minimum daily discharge is given if there is extensive regulation (also the minimum discharge and gage height if they are abnormally

low). In the first paragraph headed "current year:" the data given are for the complete current water year unless otherwise specified. In the second paragraph under "EXTREMES" headed "Period of record:" the data given are for the period of record given in the PERIOD OF RECORD paragraph. Reliable information concerning major floods that occurred outside the period of record is given in the third or last paragraph under "EXTREMES." Unless otherwise qualified, the maximum discharge (or contents) corresponds to the crest stage obtained by use of a water-stage recorder (graphic or digital), a crest-stage gage, or a nonrecording gage read at the time of the crest. If the maximum gage height did not occur at the same time as the maximum discharge or contents, it is given separately. Information pertaining to the accuracy of the discharge records, to conditions that affect the natural flow at the gaging station, and availability of Water Quality records, is given under "REMARKS;" for reservoir stations information concerning the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir, is also given under "REMARKS."

Previously published records of some stations have been found to be in error on the basis of data or information later obtained. Revisions of such records are usually published along with the current records in one of the annual or compilation reports. To make it easier to find such revised records, a paragraph headed "REVISIONS (WATER YEARS)" has been added to the description of all stations for which revised records have been published. The paragraph lists all the reports in which revisions have been published, each followed by the water years for which figures are revised in that report. In listing the water years, only one number is given; for instance, 1933 stands for the water year October 1, 1932 to September 30, 1933. If no daily, monthly, or annual figures of discharge were revised, that fact is brought out by notations 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 revised figure was first published is given. A revision of drainage area also requires a revision of all figures based on drainage areas, including figures for cubic feet per second per square mile and runoff in inches. Revised figures of cubic feet per second per square mile and runoff in inches resulting from a revision of the drainage area only are usually not published in this annual series of reports.

Skeleton rating tables are published for stream-gaging stations where they serve a useful purpose and the dates of applicability can be easily identified.

The daily tables for stream-gaging stations gives the mean discharge for each day and is followed by monthly and yearly summaries. In the monthly summary below the daily table, the line headed "TOTAL" gives the sum of the daily figures. The line headed "MEAN" gives the average flow in cubic feet per second during the month. The lines headed "MAX" and "MIN" give the maximum and minimum daily discharges, respectively, for the month. Discharge for the month also may be expressed in cubic feet per second per square mile (line headed "CFSM"). Figures for cubic feet per second per square mile and runoff in inches are omitted if there is extensive regulation or diversion or if the drainage area includes large noncontributing areas.

In the yearly summary below the monthly summary, the figures following "MAX" are the maximum daily discharges for the calendar and water years; likewise, those following "MIN" are the minimum daily discharges.

Footnotes to the table of daily discharges are introduced by the word "NOTE." Footnotes are used to indicate periods for which the discharge is computed or estimated by special methods because of no gage-height record, backwater from various sources, or other unusual conditions. Periods of no gage-height record are indicated if the period is continuous for a month or more or includes the maximum discharge for the year. Periods of backwater from an unusual source of indefinite stage-discharge relation, or of any other unusual condition at the gage site are indicated only if they are a month or more in length and the accuracy of the records is affected. Days on which the stage-discharge relation is affected by ice are not indicated. The methods used in computing discharge for various unusual conditions have been explained in preceding paragraphs.

Peak discharges and their times of occurrence and corresponding gage heights for many stations are listed below the yearly summary. All independent peaks above the selected base are given. The base discharge, which is given in parentheses, is selected so that an average of about three peaks a year can be presented. Peak discharges are not published for any canals, ditches, drains, or for any stream for which the peaks are subjected to substantial control by man. 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.

For most gaging stations on lakes and reservoirs the data presented comprise a description of the station and a monthly summary table of stage and contents. For some reservoirs a table showing daily contents or stage is given. A skeleton table of capacity at given stages is published for most reservoirs for which records are published on a daily basis, but is not published for reservoirs for which only monthly data are given.

The data in this report include a description of the sampling station and tabulations of the samples analyzed. The description of the sampling station gives the location, drainage area, periods of record for the various water-quality data, extremes of the pertinent data, and general remarks, in a format similar to that used for streamflow gaging stations. For ground-water sampling stations, no descriptive statements are given. However, the well number, depth of well, date of sampling, and/or other pertinent data are given in the table containing the chemical analyses of ground water.

Water-quality information is presented for chemical, biological, and microbiological quality, water temperature, and fluvial sediment. Chemical quality includes concentrations of individual dissolved constituents and certain properties or characteristics such as hardness, specific conductance, and pH. The biological information includes qualitative and quantitative analyses of plankton. Microbiological information includes quantitative identification of certain bacteriological indicator organisms. Water-temperature data represent once-daily observations except for stations where a continuous temperature recorder (thermograph) furnished information from which daily minimums and maximums are obtained. Fluvial-sediment information is given for suspended-sediment discharges and concentrations and for particle-size distribution of suspended sediment.

Prior to the 1968 water year, data for chemical constituents and concentrations of suspended sediment were reported in parts per million (ppm) and water temperatures were reported in degrees Fahrenheit ($^{\circ}\text{F}$). In October, 1967, the U.S. Geological Survey began reporting data for chemical constituents and concentrations of suspended sediment in milligrams per litre (mg/l) and water temperatures in degrees Celsius ($^{\circ}\text{C}$). In waters with a density of 1.000 g/ml (grams per millilitre), parts per million and milligrams per litre can be considered equal. In waters with a density greater than 1.000 g/ml, values in parts per million should be multiplied by the density to convert to milligrams per litre. Temperature reported in degrees Celsius may be converted to degrees Fahrenheit by using table 2.

In October, 1968, the Geological Survey began reporting many of the chemical constituents as well as the minor elements in micrograms per litre instead of milligrams per litre. (See "Definitions of Terms," and table 3 for converting English units to SI units).

Table 2.--Degrees Celcius (°C) to degrees Fahrenheit (°F)*

°C	°F	°C	°F	°C	°F	°C	°F
0.0	32	10.0	50	20.0	68	30.0	86
0.5	33	10.5	51	20.5	69	30.5	87
1.0	34	11.0	52	21.0	70	31.0	88
1.5	35	11.5	53	21.5	71	31.5	89
2.0	36	12.0	54	22.0	72	32.0	90
2.5	36	12.5	54	22.5	72	32.5	90
3.0	37	13.0	55	23.0	73	33.0	91
3.5	38	13.5	56	23.5	74	33.5	92
4.0	39	14.0	57	24.0	75	34.0	93
4.5	40	14.5	58	24.5	76	34.5	94
5.0	41	15.0	59	25.0	77	35.0	95
5.5	42	15.5	60	25.5	78	35.5	96
6.0	43	16.0	61	26.0	79	36.0	97
6.5	44	16.5	62	26.5	80	36.5	98
7.0	45	17.0	63	27.0	81	37.0	99
7.5	45	17.5	63	27.5	81	37.5	99
8.0	46	18.0	64	28.0	82	38.0	100
8.5	47	18.5	65	28.5	83	38.5	101
9.0	48	19.0	66	29.0	84	39.0	102
9.5	49	19.5	67	29.5	85	39.5	103

*C = 5/9 (°F - 32) or °F = 9/5 (°C) + 32.

Solutes

Most methods for collecting and analyzing water samples to determine the kinds and concentrations of solutes are described by Brown, Skougstad, and Fishman. Analysis of pesticides, herbicides, and organic substances in water are described by Goerlitz and Lamar, Lamar, Goerlitz and Law, and Goerlitz and Brown. The collection and analysis of aquatic, biological and microbiological samples are described by Slack and others.

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.

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

For chemical-quality stations equipped with noncontinuous-digital monitors, the records consist of daily maximum, minimum, and mean values for each constituent measured and are based upon hourly punches beginning at 0100 hours and ending at 2400 hours for the day of record.

Temperature

Water temperatures at the time of sample collection are reported for many of the surface-water samples.

At several stations local observers measure the water temperature once or twice daily. These water temperatures are measured at about the same time each day so that the data will reflect long-term rather than diurnal variations in water temperature. Most large streams have small diurnal variation in water temperature; small, 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. The thermometers used for determining the water temperature were accurate to plus or minus 0.5°C.

In addition, at several stations instruments are installed which record the water temperature continuously or hourly values are punched on paper tape. Maximum, minimum, and mean temperatures for each day are obtained from these records.

Sediment

Suspended-sediment concentrations are determined from samples collected by using depth-integrating samplers. At those stations where daily mean concentration and daily suspended sediment discharge are computed samples are commonly collected at a fixed point in the stream cross section. Periodically, samples are collected at several verticals in the cross section to determine the adjustment coefficient required (if any) to determine the mean concentration in the whole cross section of the stream.

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

At stations where only periodical suspended-sediment data is reported samples were generally collected at several verticals in stream cross sections. Although data collected periodically may represent conditions only at the time of observations, such data are useful in establishing seasonal relationships between quality and streamflow in predicting long-term sediment-discharge characteristics of the stream.

Publications

The annual series of water-supply papers that give information of quality of surface waters in New York are listed below. Data for the North Atlantic slope basins are given in part 1; for the Ohio River basin, in part 3; and for the St. Lawrence River basin, in part 4.

Year	Parts 1-4	Year	Parts 1-2	Parts 3-4	Year	Part 1	Part 3	Parts 4-5
1950	1186	1959	1641	1642	1968	2091	2093	2094
1951	1197	1960	1741	1742	1969	2141	2143	2144
1952	1250	1961	1881	1882	1970	2151	2153	2154
1953	1290	1962	1941	1942				
1954	1350	1963	1947	1948				
1955	1400	1964	1954	1955				
1956	1450	1965	1961	1962				
1957	1520	1966	1991	1992				
1958	1571	1967	2011	2012				

Water-supply papers can be ordered from: Branch of Distribution
 U.S. Geological Survey
 1200 South Eads Street
 Arlington, VA 22202

Other available data

In addition to the water-quality data in this report, which represents only those stations for which water samples were analysed by the U.S. Geological Survey, there is other data available from WQS (Water Quality Surveillance) of the New York State Department of Environmental Conservation. Their Water Quality Data Library includes prior records for many of the stations in this report, data for additional stations operated by or for WQS, and data contributed by other Federal, State, and local agencies, and private industries. Table 4 is a list of stations operated by or for WQS. Water samples collected at these stations during the 1975 water year were analysed by agencies other than the U.S. Geological Survey.

All data in the Water Quality Data Library are available as computer printouts for the requested individual or groups of stations for individual or groups of parameters. Statistical summaries of the data are also available as computer printouts or in periodic publications. Inquiries for these data should be directed to:

New York State Department of
Environmental Conservation
Water Quality Surveillance
50 Wolf Road
Albany, New York 12201

EPA (Environmental Protection Agency) is another source of water-quality data. Data for several stations operated by the U.S. Geological Survey for this Federal agency are included in this report. However, data prior to that indicated in the "Period of Record" for some stations and data for many other locations are available through the EPA Data Storage and Retrieval system (STORET). Inquiries for New York water-quality data in the EPA system should be directed to:

Environmental Protection Agency
Water Quality Office
26 Federal Plaza
New York, New York 10007

A source of information in the availability of additional water-quality data is the "Catalog of Information on Water Data" which can be obtained from:

Office of Water Data Coordination
U.S. Geological Survey
Reston, VA 22092

EXPLANATION OF GROUND-WATER LEVEL RECORDS

NUMBERING SYSTEM FOR WELLS

Collection of the data

Only ground-water level data from a basic national network of observation wells are published herein. These water-level measurements are intended to provide a sampling and historical record of water-level changes in the nation's most important aquifers.

Each well is identified as explained on page 13, by means of a 15-digit number and a local number.

Measurements are made in many types of wells under varying conditions, but the methods of measurement are standardized to the extent possible. The equipment and measuring techniques used at each observation well insure that measurements at each well are of consistent accuracy and reliability.

Water-level measurements in this report are given in feet with reference to either mean sea level (msl) or land-surface datum (lsd). Mean sea level is the datum plane on which the national network of precise levels is based; 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 mean sea level 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 for every fifth day and the end of each month (eom).

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 of water of several hundred feet, the error of 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 or a larger unit.

Publications

Publication of ground-water level data for the United States in Water-Supply Papers was begun by the Geological Survey in 1935. From 1935 through 1939, a single Water-Supply Paper for each year covering the entire nation was issued (Water-Supply Papers 777, 817, 840, 845, and 886). From 1940 through 1974, separate Water-Supply Papers were issued for 6 sections of the United States. Water-level data for New York are in the Water-Supply Papers listed below, each report containing one or more calendar years (January-December) of data. Data in this report are for the 12-month water year ending September 30.

<u>Calendar year</u>	<u>WSP No.</u>	<u>Calendar year</u>	<u>WSP No.</u>	<u>Calendar year</u>	<u>WSP No.</u>	<u>Calendar years</u>	<u>WSP No.</u>
1935	777	1942	944	1949	1156	1956-57	1537
1936	817	1943	986	1950	1165	1958-62	1782
1937	840	1944	1016	1951	1191	1963-67	1977
1938	845	1945	1023	1952	1221	1968-72	2140
1939	886	1946	1071	1953	1265		
1940	906	1947	1096	1954	1321		
1941	936	1948	1126	1955	1404		

Information about reports and other data on ground water in New York may be obtained from the district office, at the address given on the back of the title page.

Hydrologic Conditions, During 1975

The yearly runoff was generally above average with the western and northeastern sections of the State registering 10 to 20 percent above the long term average while the remainder of the State, excluding Long Island, experienced runoff in the range of 30 to 50 percent higher than average. The yearly runoff on Long Island varied from 50 percent below in one small area to 50 percent above the long term average.

The relatively mild winter reduced the effect of ice on streamflow and the lack of significant rainfall during the gradual warming in the spring retarded and reduced the magnitude of the expected spring runoff.

Flash flooding occurred during July in a localized area around Syracuse and record or near record peaks occurred in Westchester County in September. Other peaks occurred in January, February, March, May, and September in the western part of the State and in December, February, April, July, and September in the eastern part of the State.

The figures which follow on the next four pages are daily discharge hydrographs for four gaging stations illustrating the variation in response to the climatic events of the 1975 water year in different regions of the State. The plotted hydrographs (dashed lines) provide a comparison between the streamflow this year and that which has been experienced during a 29-year reference period (1942-70). On each figure, three experience graphs (duration hydrographs) are plotted. These are labeled 80%, 50%, and 20%, and represent the lower limit of mean daily discharge that has been experienced on each date for 80%, 50%, or 20% of the days during the 29 years of the reference period.

To interpret the significance of the hydrographs, consider the day May 31 in figure 3 for Susquehanna River at Conklin. A mean daily discharge of 2,390 ft³/sec or more has been experienced 50% of the time during the reference period. Similarly, a discharge of 1,660 ft³/sec or more has been experienced on the same date 80% of the time. The discharge for May 31, 1975, was 1,570 ft³/sec or slightly less than the discharge that could be expected during the reference period.

Mean value of streamflow for the 1975 water year can be compared with the average for the period of record by referring to the individual gaging-station records which comprise the principal part of this report. Susquehanna River at Conklin (station 01503000), for example, discharged at an average rate of 4,013 ft³/sec, which is 12% higher than the 62 year average. For other gaging stations illustrated in the graphs the comparisons are as follows:

Allegheny River, 3,191 ft³/sec, 15% higher than the 72-year average.
West Branch Oswegatchie River, 513 ft³/sec, 2% higher than the 59-year average.
Wappinger Creek, 373 ft³/sec, 50% higher than the 47-year average.

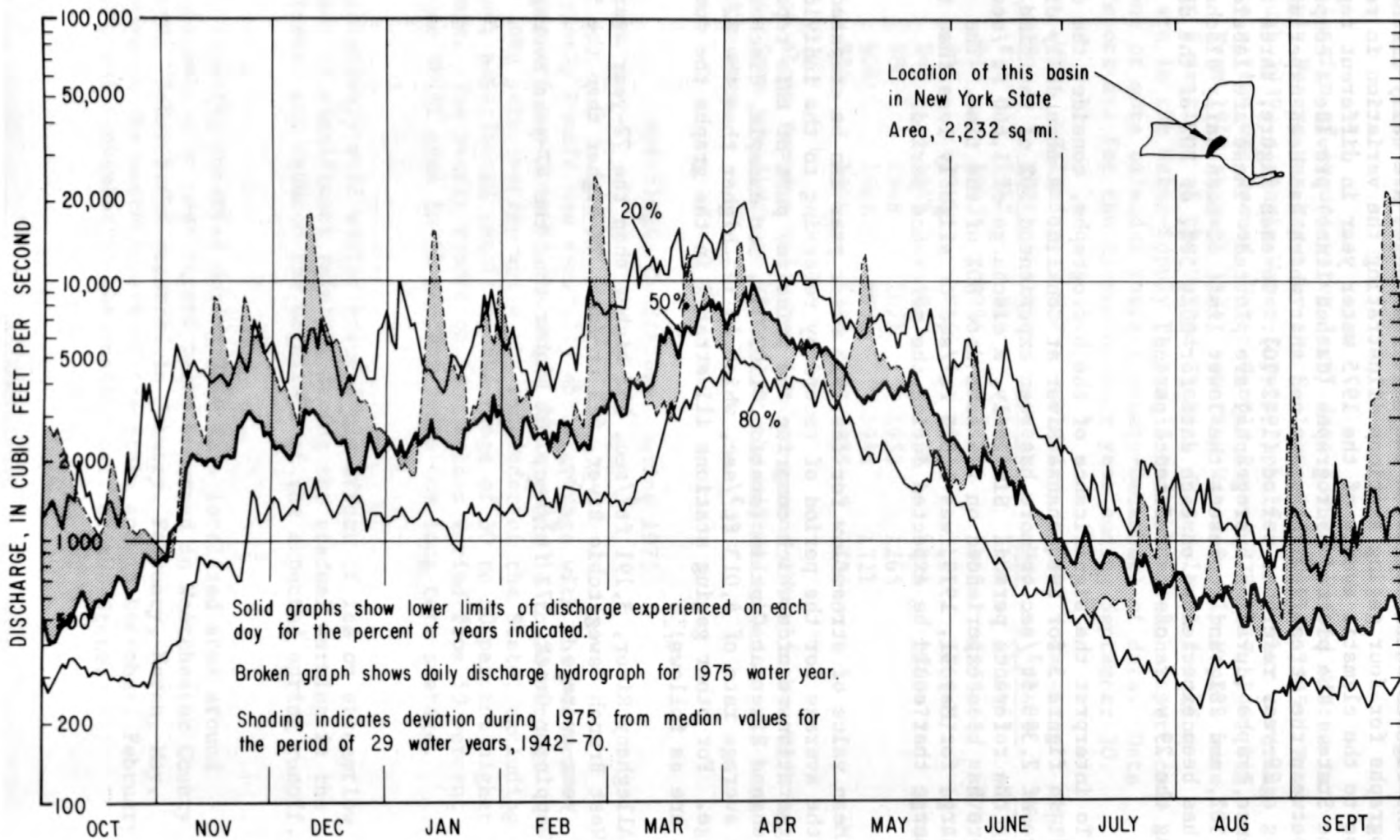


Figure 2 Hydrographic comparisons, Susquehanna River at Conklin, N.Y.

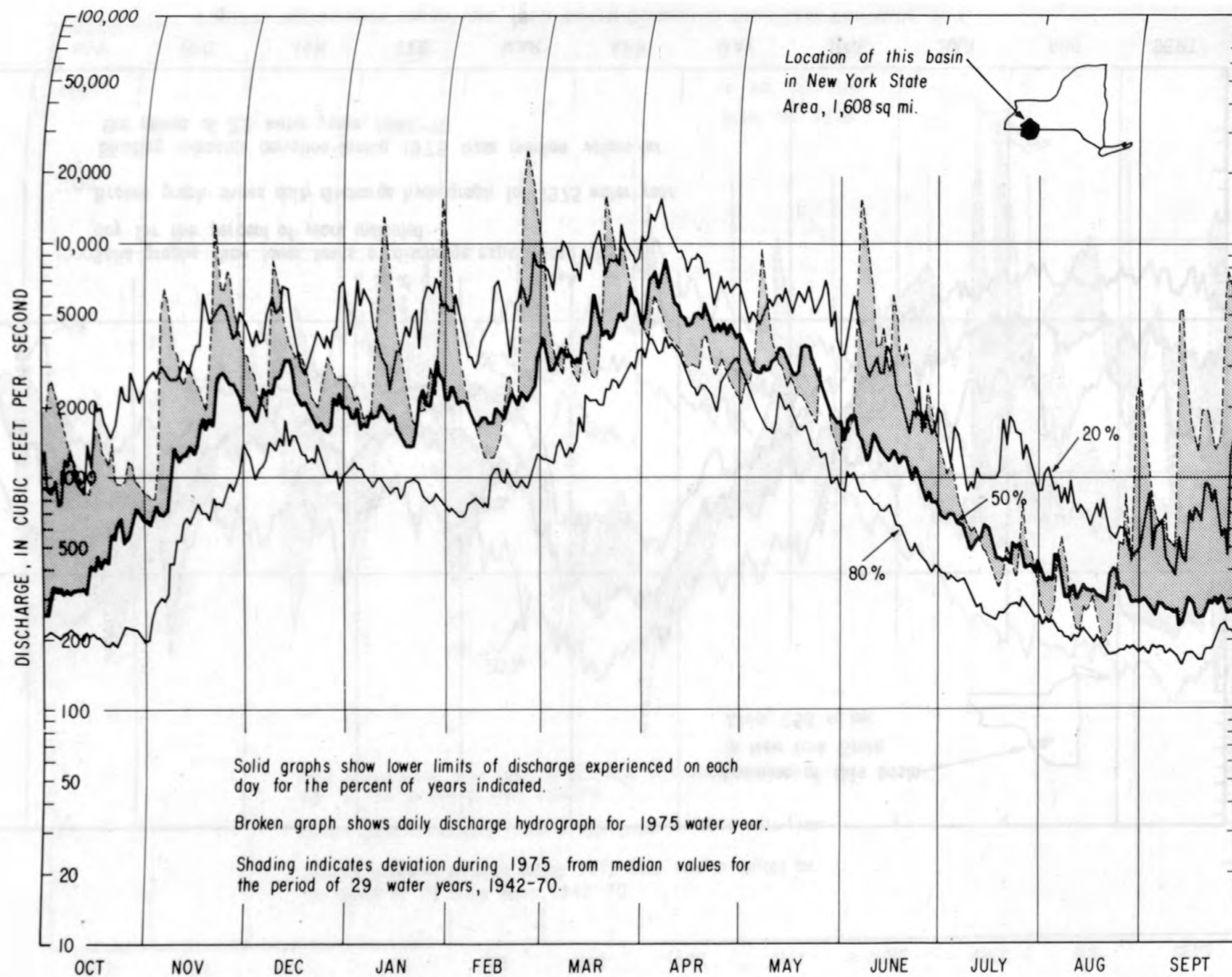


Figure 3 Hydrographic comparisons, Allegheny River at Salamanca, N.Y.

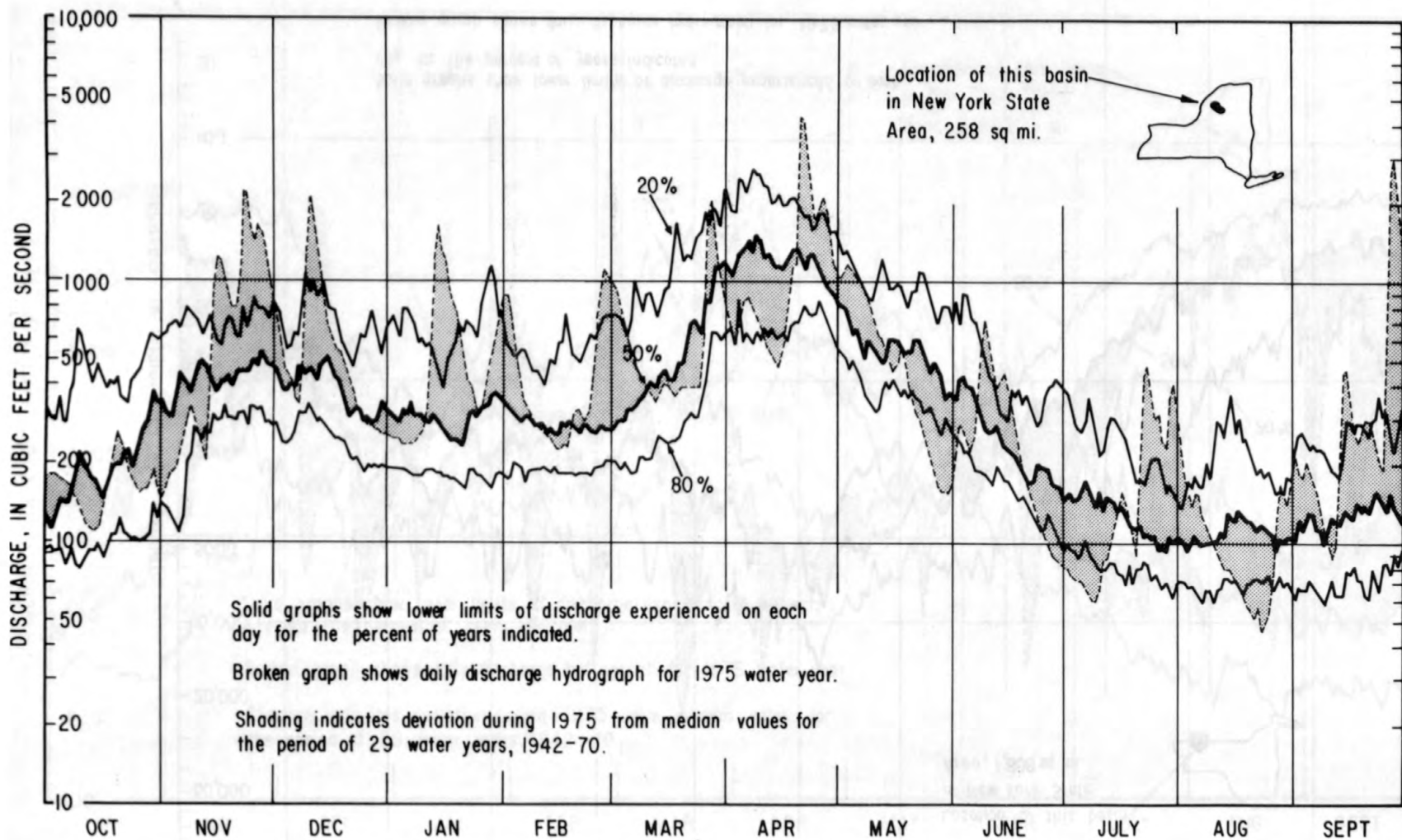


Figure 4 Hydrographic comparisons, West Branch Oswegatchie River near Harrisville, N. Y.

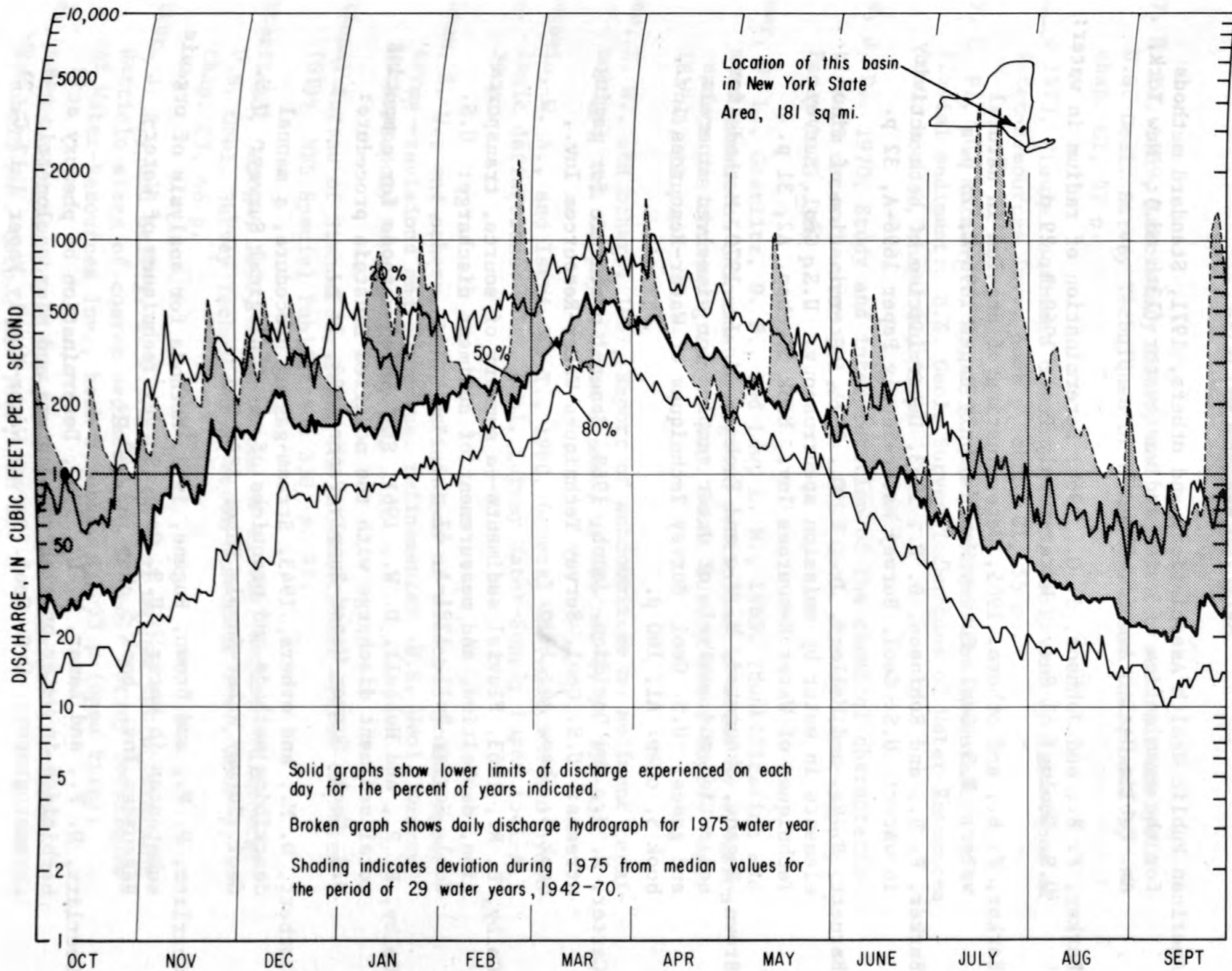


Figure 5 Hydrographic comparisons, Wappinger Creek near Wappingers Falls, N.Y.

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Table 3.--Factors for converting English units to International System (SI) units

The following factors may be used to convert English units published herein to the International System of Units (SI). Subsequent reports will contain both the English and SI unit equivalents in the station manuscript descriptions until such time that all data will be published in SI units.

Multiply English units	By	To obtain SI units
<i>Length</i>		
inches (in)	25.4	millimetres (mm)
feet (ft)	.3048	metres (m)
miles (mi)	1.609	kilometres (km)
<i>Area</i>		
acres	4,047	square metres (m ²)
	.4047	*hectares (ha)
	.4047	square hectometre (hm ²)
	.004047	square kilometres (km ²)
square miles (mi ²)	2.590	square kilometres (km ²)
<i>Volume</i>		
gallons (gal)	3.785	**litres (l)
	3.785	cubic decimetres (dm ³)
	3.785x10 ⁻³	cubic metres (m ³)
million gallons (10 ⁶ gal)	3,785	cubic metres (m ³)
	3.785x10 ⁻³	cubic hectometres (hm ³)
cubic feet (ft ³)	28.32	cubic decimetres (dm ³)
	.02832	cubic metres (m ³)
cfs-day (ft ³ /s-day)	2,447	cubic metres (m ³)
	2.447x10 ⁻³	cubic hectometres (hm ³)
acre-feet (acre-ft)	1,233	cubic metres (m ³)
	1.233x10 ⁻³	cubic hectometres (hm ³)
	1.233x10 ⁻⁶	cubic kilometres (km ³)
<i>Flow</i>		
cubic feet per second (ft ³ /s)	28.32	litres per second (l/s)
	28.32	cubic decimetres per second (dm ³ /s)
	.02832	cubic metres per second (m ³ /s)
gallons per minute (gpm)	.06309	litres per second (l/s)
	.06309	cubic decimetres per second (dm ³ /s)
	6.309x10 ⁻⁵	cubic metres per second (m ³ /s)
million gallons per day (mgd)	43.81	cubic decimetres per second (dm ³ /s)
	.04381	cubic metres per second (m ³ /s)
<i>Mass</i>		
ton (short)	.9027	tonne (t)

*The unit hectare is approved for use with the International System (SI) for a limited time. See NBS Special Bulletin 330, p. 15, 1972 edition.

**The unit litre is accepted for use with the International System (SI). See NBS Special Bulletin 330, p. 13, 1972 edition.

WATER RESOURCES DATA FOR NEW YORK, 1975



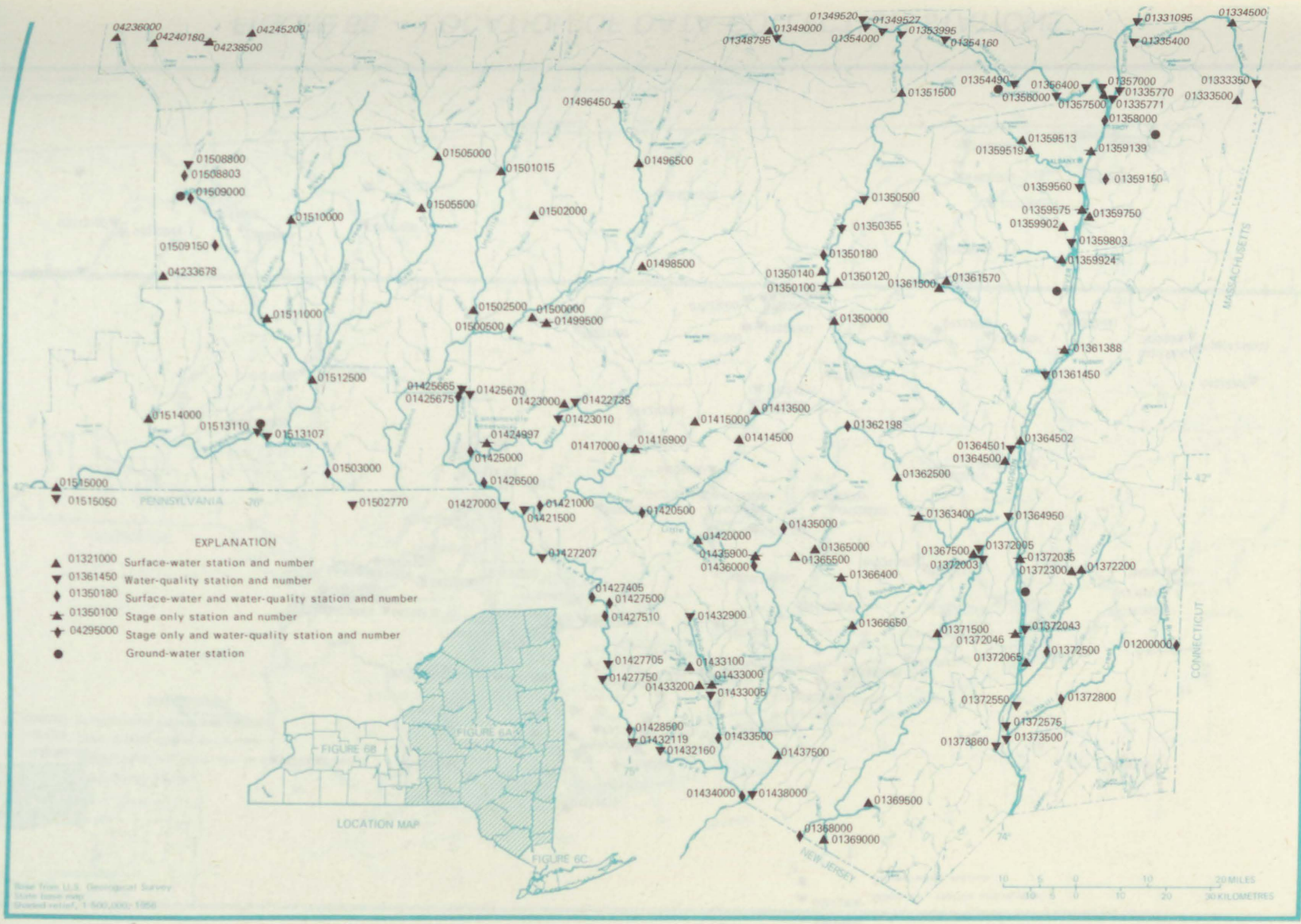


FIGURE 6A.-- LOCATION OF DATA COLLECTION STATIONS

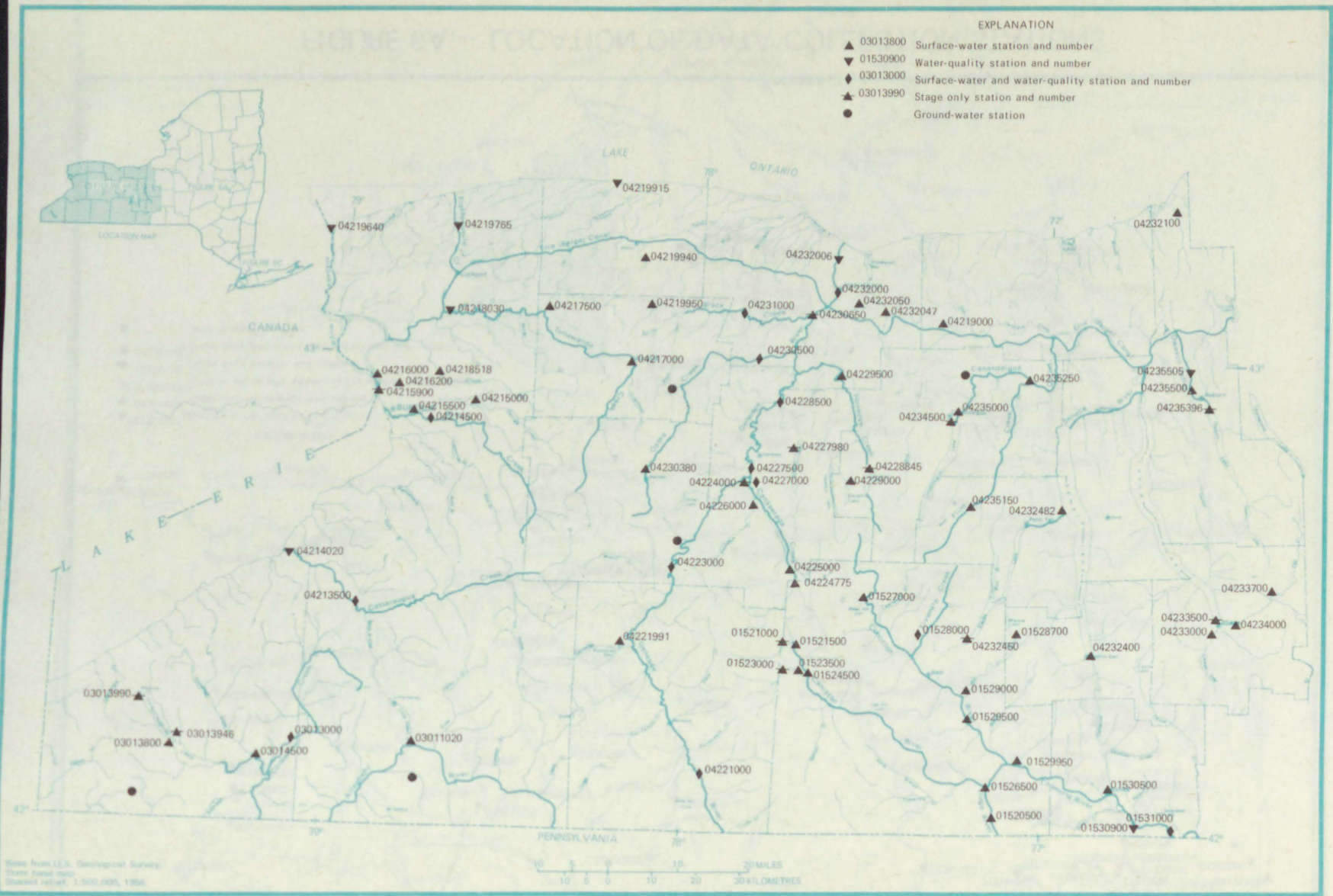


FIGURE 6B.-- LOCATION OF DATA COLLECTION STATIONS

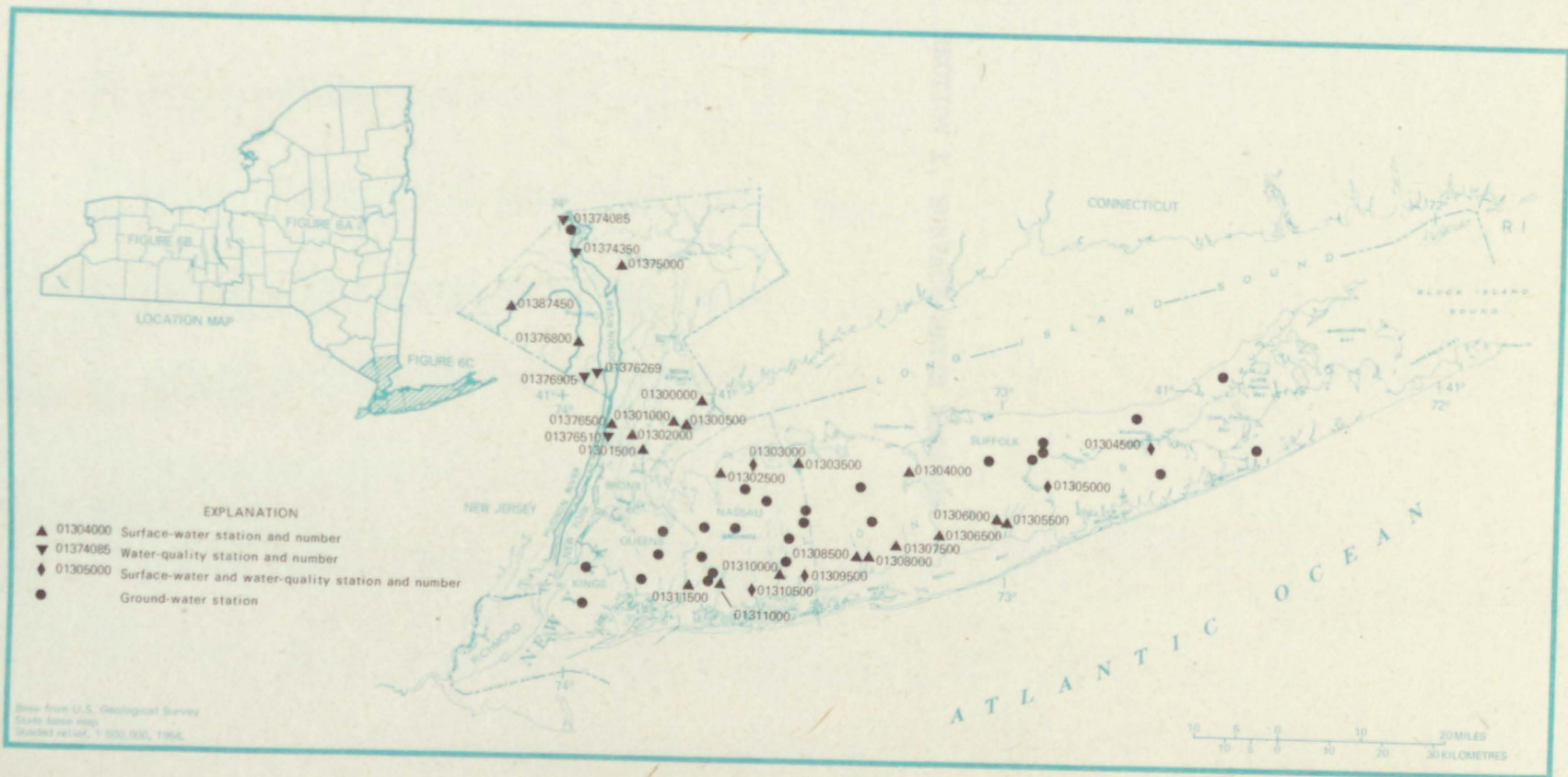


FIGURE 6C.-- LOCATION OF DATA COLLECTION STATIONS

HOUSATONIC RIVER BASIN

01200000 TENMILE RIVER NEAR GAYLORDSVILLE, CONN.

LOCATION.--Lat 41°39'32", long 73°31'44", Dutchess County, New York, on right bank 0.1 mi (0.2 km) downstream from Deuel Hollow Brook, 1.2 mi (1.9 km) upstream from New York-Connecticut State line, 1.7 mi (2.7 km) upstream from mouth, and 2.5 mi (4.0 km) northwest of Gaylordsville.

DRAINAGE AREA.--203 mi² (526 km²).

PERIOD OF RECORD.--Discharge. October 1929 to current year. Monthly discharge only for period October to December 1929, published in WSP 1301.

Chemical analyses: October 1958 to September 1959, April to August 1968, October 1972 to May 1975 (discontinued).

Water temperatures: October 1958 to September 1959.

GAGE.--Water-stage recorder. Datum of gage is 304.4 ft (92.78 m) above mean sea level (levels by Connecticut Light and Power Company).

AVERAGE DISCHARGE.--46 years, 297 ft³/s (8.411 m³/s), 19.87 in/yr (505 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,920 ft³/s (82.7 m³/s) Sept. 27, gage height, 6.16 ft (1.878 m); minimum, 63 ft³/s (1.78 m³/s) July 9, gage height, 1.08 ft (0.329 m).

Period of record: Maximum discharge, 17,400 ft³/s (493 m³/s) Aug. 19, 1955, gage height, 14.9 ft (4.54 m), from high-water mark, from rating curve extended above 9,800 ft³/s (278 m³/s), minimum, 5 ft³/s (0.142 m³/s) Sept. 8, 1957; minimum gage height, 0.52 ft (0.158 m) Sept. 24, 26, 1939; minimum daily discharge, 7 ft³/s (0.198 m³/s) Oct. 7, 1957.

Specific conductance (1958-59): Maximum daily, 432 micromhos Sept. 29, 1959; minimum daily, 127 micromhos Feb. 11, 1959.

Water temperatures: Maximum, 26°C Aug. 17, 1959; minimum, 0.5°C on many days during winter months.

PEAK DISCHARGE.--(BASE, 1,400 ft³/s):

DATE	TIME	G.H	DISCHARGE
02-25	1200	5.32	2,100
03-20	2200	5.19	1,980
04-04	0800	4.67	1,560
07-22	0400	5.15	1,940
09-27	0800	6.16	2,920

REMARKS.--Records excellent. Infrequent regulation at low flow. Records of water quality for the current year are also published in Section 2 of this report. See REVISIONS summary paragraph in WSP 1901. Records of iron, specific conductance, and pH of daily samples for 1958-59 available in district office at Hartford, Connecticut.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	289	211	214	255	540	732	563	210	186	116	278	150
2	230	156	348	240	482	660	514	245	185	97	248	125
3	185	135	584	230	433	586	831	256	158	89	222	111
4	145	130	443	220	365	507	1450	254	170	84	241	97
5	126	147	348	210	340	462	1020	336	171	77	237	87
6	114	211	331	197	310	451	846	283	286	72	204	84
7	103	190	299	200	290	430	736	358	390	69	331	87
8	95	168	428	203	275	470	656	340	290	67	354	81
9	89	154	740	378	270	377	593	302	236	91	403	83
10	86	143	588	557	259	345	548	313	196	166	293	84
11	81	137	508	595	260	343	511	300	162	109	237	78
12	78	134	464	873	260	353	476	304	255	87	235	81
13	76	225	443	965	255	429	442	629	687	260	199	115
14	76	265	410	974	255	391	412	641	604	905	170	102
15	76	230	389	742	250	352	387	498	446	1190	146	87
16	117	230	378	678	250	349	367	495	367	687	142	78
17	259	203	541	580	252	358	341	472	322	512	158	75
18	201	190	553	516	263	339	319	411	276	391	154	72
19	159	183	475	827	280	370	315	377	249	300	135	74
20	141	185	425	787	300	1490	311	336	215	406	119	83
21	128	345	392	552	320	1610	282	307	184	1430	107	84
22	114	479	375	561	341	1090	259	286	163	1650	105	77
23	107	361	345	517	450	966	243	258	146	974	97	99
24	102	325	335	477	1120	841	286	233	136	688	103	439
25	100	325	325	551	2000	928	364	217	124	922	115	1780
26	109	305	315	1110	1430	794	316	202	116	967	108	1970
27	110	256	302	849	1010	646	281	187	110	680	105	2730
28	103	250	295	684	816	594	262	171	108	535	94	2070
29	98	242	280	687	---	575	237	155	119	440	84	1350
30	95	230	275	757	---	648	220	151	141	363	204	986
31	193	---	265	622	---	663	---	190	---	315	231	---
TOTAL	3985	6745	12413	17594	13676	19149	14388	9717	7198	14739	5859	13419
MEAN	129	225	400	568	488	618	480	313	240	475	189	447
MAX	289	479	740	1110	2000	1610	1450	641	687	1650	403	2730
MIN	76	130	214	197	250	339	220	151	108	67	84	72
CFSM	.64	1.11	1.97	2.80	2.40	3.04	2.36	1.54	1.18	2.34	.93	2.20
IN.	.73	1.24	2.27	3.22	2.51	3.51	2.64	1.78	1.32	2.70	1.07	2.46

CAL YR 1974 TOTAL 113338 MEAN 311 MAX 1460 MIN 34 CFSM 1.53 IN 20.77
WTR YR 1975 TOTAL 138882 MEAN 380 MAX 2730 MIN 67 CFSM 1.87 IN 25.45

01300000 BLIND BROOK AT RYE, N.Y.

LOCATION.--Lat 40°59'00", long 73°41'14", Westchester County, on left bank at Rye, just upstream from bridge on Theodore Fremd Avenue, 0.25 mi (0.40 km) southwest of Penn Central Transportation Company railroad station, and 0.85 mi (1.37 km) upstream from mean high tide in Milton Harbor.

DRAINAGE AREA.--9.20 mi² (23.8 km²).

PERIOD OF RECORD.--November 1943 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 13.05 ft (3.978 m) above mean sea level, (levels by City of Rye).

AVERAGE DISCHARGE.--31 years (1944-75), 15.2 ft³/s (0.430 m³/s) (22.44 in/yr or 570.0 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,280 ft³/s (64.6 m³/s) Sept. 26 (gage height, 12.32 ft or 3.755 m from floodmark in gage house); minimum, 1.4 ft³/s (0.040 m³/s) Sept. 5, 9, 11, 12, 16-19 (gage height, 0.98 ft or 0.299 m).

Period of record: Maximum discharge, 2,320 ft³/s (65.7 m³/s) June 19, 1972 (gage height, 12.44 ft or 3.792 m, from floodmark in gage house), from rating curve extended above 800 ft³/s (22.7 m³/s) on basis of indirect measurement of peak flow; minimum, 0.12 ft³/s (0.003 m³/s) July 5, 1953 (gage height, 0.80 ft or 0.244 m), result of temporary regulation.

REMARKS.--Records good. Medium and high flows affected by detention reservoir 2 mi (3 km) upstream (capacity, about 26 acre-ft (32,100 m³) at spillway level or 50 acre-ft (61,700 m³) at crest of concrete dam). Water-quality records for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	13	7.9	7.0	19	18	18	18	8.9	21	3.8	5.5	2.9
3	10	7.0	118	17	16	17	17	12	9.2	2.9	4.4	2.4
4	8.3	6.4	31	12	15	15	86	10	7.8	2.6	4.2	1.8
5	7.6	6.7	18	12	13	13	38	16	10	2.6	4.0	1.8
	7.0	7.0	15	11	15	12	20	37	7.1	2.4	4.9	1.7
6												
7	6.4	9.0	13	10	19	12	18	17	65	2.2	4.9	1.7
8	6.1	7.0	12	36	20	12	15	48	21	2.4	13	1.8
9	5.5	5.8	58	18	17	15	14	18	10	2.2	6.4	1.8
10	5.3	5.5	39	84	14	11	13	13	7.8	2.6	4.7	1.5
	5.0	5.5	21	31	12	10	12	12	6.8	3.1	4.0	1.7
11												
12	4.8	5.3	17	27	12	10	12	11	5.5	2.9	3.6	1.5
13	4.5	9.0	16	22	11	16	11	10	40	5.5	3.4	4.4
14	4.5	50	14	62	12	23	10	22	63	45	2.9	6.4
15	4.3	14	13	42	12	15	9.6	27	18	48	2.4	2.4
	4.3	10	12	24	10	21	9.6	13	12	79	2.2	1.7
16												
17	77	8.6	75	19	11	21	10	27	11	18	4.4	1.5
18	32	7.6	76	17	17	17	8.2	15	10	25	4.9	1.4
19	14	7.3	27	49	34	14	7.5	11	9.2	15	3.6	1.4
20	9.7	7.0	21	52	42	34	9.2	10	7.8	9.2	2.8	8.5
	8.6	9.7	18	38	28	96	8.5	8.9	7.5	13	2.2	6.4
21												
22	7.9	24	17	22	19	37	7.5	8.2	5.8	37	2.1	21
23	7.6	14	15	21	16	28	6.8	7.5	4.9	11	2.1	11
24	7.3	10	13	19	30	27	6.4	7.1	4.4	7.0	2.1	93
25	7.0	9.0	13	18	92	26	20	6.4	4.2	6.0	9.2	102
	7.3	18	24	56	82	31	35	5.5	4.4	100	7.8	122
26												
27	7.9	10	18	49	31	21	33	5.2	4.0	25	3.6	730
28	6.7	7.6	14	24	23	14	14	5.2	3.6	10	3.1	216
29	6.1	7.3	13	19	19	13	12	4.4	3.6	9.0	2.4	47
30	6.1	7.0	12	44	---	13	10	4.0	4.4	8.0	1.9	29
31	5.8	6.7	12	29	---	35	9.2	3.6	6.8	7.4	6.8	22
	10	---	11	20	---	24	---	4.2	---	6.4	5.5	---
TOTAL												
MEAN	317.6	309.9	783.0	923	660	671	500.5	408.1	395.8	514.2	135.0	1447.7
MAX	10.2	10.3	25.3	29.8	23.6	21.6	16.7	13.2	13.2	16.6	4.35	48.3
MIN	77	50	118	84	92	96	86	48	65	100	13	730
CFSM	4.3	5.3	7.0	10	10	10	6.4	3.6	3.6	2.2	1.9	1.4
IN.	1.11	1.12	2.75	3.24	2.57	2.35	1.82	1.43	1.43	1.80	.47	5.25
	1.28	1.25	3.17	3.73	2.67	2.71	2.02	1.65	1.60	2.08	.55	5.85
CAL YR 1974	TOTAL	6235.91	MEAN 17.1	MAX 297	MIN .69	CFSM 1.86	IN 25.21					
WTR YR 1975	TOTAL	7065.80	MEAN 19.4	MAX 730	MIN 1.4	CFSM 2.11	IN 28.57					

PEAK DISCHARGE (BASE, 406 CFS)

DATE	TIME	G. H.	DISCHARGE
09-26	--	12.32	2,280

NOTE.--No gage-height record Sept. 26.

BEAVER SWAMP BROOK BASIN

01300500 BEAVER SWAMP BROOK AT MAMARONECK, N.Y.

LOCATION.--Lat 40°57'21", long 73°43'07", Westchester County, on right bank just downstream from bridge on Short Street, in Mamaroneck, and 0.2 mi (0.3 km) downstream from Brentwood Brook, and 0.2 mi (0.3 km) upstream from tidal barrier in Guion Creek, Mamaroneck Harbor.

DRAINAGE AREA.--4.71 mi² (12.2 km²).

PERIOD OF RECORD.--November 1943 to current year. Prior to October 1967 published as "near Harrison".

GAGE.--Water-stage recorder and concrete control. Datum of gage is 24.99 ft (7.617 m) above mean sea level. Prior to June 8, 1946, recording gage at same site and datum.

AVERAGE DISCHARGE.--31 years (1944-75), 6.31 ft³/s (0.179 m³/s) (18.19 in/yr or 462.0 mm/yr).

EXTREMES.--Current year: Maximum discharge, 252 ft³/s (7.14 m³/s) Sept. 26 (gage height, 3.84 ft or 1.170 m); minimum, 0.67 ft³/s (0.019 m³/s) Sept. 11, 12 (gage height, 0.37 ft or 0.113 m).

Period of record: Maximum discharge, 252 ft³/s (7.14 m³/s) Sept. 26, 1975 (gage height, 3.84 ft or 1.170 m); no flow at times during 1944, 1953, 1959, 1964, 1965, 1966.

REMARKS.--Records fair, except those for period of no gage-height record, which are poor. Flow affected by natural storage in swampy areas above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.5	3.1	2.7	9.2	12	9.7	5.4	4.0	14	1.4	2.9	1.4
2	5.7	5.1	8.0	7.1	11	8.4	5.1	5.4	5.0	1.1	2.7	1.4
3	4.5	2.5	4.1	5.7	9.7	7.1	2.9	4.3	6.0	1.4	2.5	1.4
4	4.0	2.7	2.0	5.4	8.8	6.1	2.0	8.4	5.0	1.0	2.5	1.2
5	3.4	3.3	1.4	5.1	11	5.7	9.7	1.5	6.0	.89	2.9	1.1
6	3.4	3.3	1.1	4.5	1.4	5.7	7.9	7.5	2.0	1.1	2.9	.89
7	3.2	3.1	9.7	1.4	1.4	6.1	6.4	1.5	9.0	1.0	5.1	.89
8	3.0	2.7	3.6	7.9	1.1	6.4	6.1	7.9	5.0	1.0	2.9	1.0
9	3.2	2.1	3.8	2.1	9.7	4.5	5.4	5.7	4.0	1.8	2.5	.78
10	3.5	3.1	1.6	1.4	8.8	4.3	5.1	5.1	3.5	1.4	2.1	.78
11	3.5	2.9	7.1	1.1	7.9	4.5	4.8	4.8	3.0	1.2	2.0	.78
12	3.5	4.5	6.4	8.8	9.2	8.8	4.8	4.3	1.5	2.3	2.0	3.1
13	3.5	1.7	5.7	2.3	8.4	9.7	4.3	1.1	1.2	2.4	1.6	1.6
14	3.2	6.1	5.1	2.1	8.4	7.1	4.0	1.0	7.0	2.6	1.6	1.1
15	3.2	4.3	4.8	1.1	7.9	9.7	4.3	5.4	5.0	3.1	1.5	1.0
16	4.0	3.5	2.6	9.2	8.8	9.7	4.3	1.2	5.4	1.3	3.1	.89
17	1.0	3.8	3.4	7.9	1.1	7.5	4.0	7.0	5.4	7.9	1.8	1.0
18	5.0	3.5	1.4	1.7	1.9	6.1	3.5	5.0	4.5	7.5	1.6	.89
19	4.5	3.1	9.2	2.3	2.2	1.5	3.8	4.0	4.5	4.5	1.5	3.8
20	4.3	5.4	7.9	1.7	1.7	3.2	3.5	3.5	3.5	6.1	1.5	2.3
21	4.0	9.2	7.5	1.1	1.4	1.7	3.3	3.5	3.0	1.9	1.2	7.9
22	4.0	5.4	6.4	9.7	1.2	1.1	2.9	3.5	2.5	6.1	1.2	4.3
23	3.8	3.5	5.7	8.4	2.3	9.2	2.9	3.2	2.0	3.8	1.1	3.6
24	3.3	3.1	5.7	7.9	5.7	9.2	1.3	3.0	2.1	3.1	2.0	4.0
25	3.8	3.5	9.2	2.0	4.1	9.7	1.6	2.8	1.6	4.2	1.8	4.8
26	3.8	3.5	7.1	2.2	1.9	7.5	1.3	2.8	1.6	2.4	1.6	1.4
27	3.3	2.7	5.4	1.2	1.3	6.8	5.7	2.8	1.6	8.4	1.6	1.6
28	2.7	2.5	5.1	9.2	1.1	6.1	4.5	2.6	1.6	5.1	1.6	5.9
29	2.7	2.7	4.5	1.9	---	6.4	4.3	2.5	1.6	4.0	1.4	2.0
30	2.7	2.1	4.5	1.6	---	1.2	4.0	2.5	1.5	3.5	4.0	1.4
31	3.3	---	4.3	1.2	---	7.1	---	4.0	---	3.1	1.6	---
TOTAL	159.5	123.3	454.0	390.0	419.6	276.1	211.0	178.5	161.9	257.69	66.3	583.61
MEAN	5.15	4.11	14.6	12.6	15.0	8.91	7.03	5.76	5.40	8.31	2.14	19.5
MAX	4.0	1.7	8.0	2.3	5.7	3.2	2.9	1.5	2.0	4.2	5.1	1.6
MIN	2.7	2.1	2.7	4.5	7.9	4.3	2.9	2.5	1.5	.89	1.1	.78
CFSM	1.09	.87	3.10	2.68	3.18	1.89	1.49	1.22	1.15	1.76	.45	4.14
IN.	1.26	.97	3.58	3.08	3.31	2.18	1.67	1.41	1.28	2.03	.52	4.81
CAL YR 1974 TOTAL	3142.70			MEAN 8.61	MAX 169	MIN .31	CFSM 1.83	IN 24.82				
WTR YR 1975 TOTAL	3281.50			MEAN 8.99	MAX 186	MIN .78	CFSM 1.91	IN 25.91				

PEAK DISCHARGE (BASE, 86 CFS)

DATE	TIME	G. H.	DISCHARGE
12-02	0700	2.22	123
09-26	2315	3.84	252

NOTE.--No gage-height record May 17 to June 24.

01301000 MAMARONECK RIVER AT MAMARONECK, N.Y.

LOCATION.--Lat 40°57'14", long 73°44'06", Westchester County, on left bank in Mamaroneck, 113 ft (34 m) downstream from bridge on Halstead Avenue, 700-ft (213 m) downstream from Sheldrake River, and 0.3 mi (0.5 km) upstream from mean high tide in Mamaroneck Harbor.

DRAINAGE AREA.--23.4 mi² (60.6 km²).

PERIOD OF RECORD.--November 1943 to July 1953, September 1954 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 11.46 ft (3.493 m) above mean sea level. Prior to Sept. 10, 1954, water-stage recorder at same site at datum 0.41 ft (0.125 m) higher.

AVERAGE DISCHARGE.--29 years (1944-52, 1954-75), 32.7 ft³/s (0.926 m³/s) (unadjusted).

EXTREMES.--Current year: Maximum discharge, 5,090 ft³/s (144 m³/s) Sept. 26 (gage height, 10.15 ft or 3.094 m) from rating curve extended as explained below; minimum, 2.8 ft³/s (0.079 m³/s) Sept. 19 (gage height, 0.25 ft or 0.076 m).

Period of record: Maximum discharge, 5,090 ft³/s (144 m³/s) Sept. 26, 1975 (gage height, 10.15 ft or 3.094 m) from rating curve extended above 2,000 ft³/s (56.6 m³/s) on basis of indirect measurement of peak flow at 9.71 ft or 2.960 m; minimum, 0.06 ft³/s (0.002 m³/s) Sept. 30, 1965; minimum daily, 0.10 ft³/s (0.003 m³/s) Sept. 29, 30, 1965; minimum gage height since Sept. 9, 1954, 0.10 ft (0.030 m) July 21, 22, Aug. 18, 19, 1957, Aug. 14, 1966.

Maximum stage known, about 11.5 ft (3.51 m) corrected (present datum) Sept. 21, 1938 (backwater from hurricane wave), from information by officials of village of Mamaroneck.

REMARKS.--Records fair. Flow affected by storage in and diversion from water-supply reservoirs on Mamaroneck and Sheldrake Rivers. Diurnal fluctuation caused by water-supply systems.

COOPERATION.--Records of diversion from Sheldrake Rivers furnished by Village of Larchmont.

REVISIONS (WATER YEARS).--WSP 1502: 1944(M), 1951(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	32	31	17	38	56	59	51	35	32	13	15	17
3	30	30	190	22	55	56	49	45	28	12	8.5	11
4	32	29	71	17	52	55	140	38	38	11	8.5	3.8
5	30	23	44	39	51	51	84	40	35	11	21	3.8
6	29	10	36	38	52	49	58	56	32	10	38	8.0
7												
8	28	11	31	19	55	48	52	48	84	10	32	15
9	27	13	30	43	55	45	49	62	51	10	39	14
10	26	22	125	48	51	44	48	51	43	7.5	20	8.5
11	18	24	82	165	45	35	44	45	39	12	8.0	3.8
12	3.8	22	49	77	40	32	39	43	34	18	7.0	3.8
13												
14	3.4	20	41	66	36	32	39	38	19	11	19	3.1
15	3.4	20	39	55	33	40	45	34	40	11	31	7.5
16	3.4	40	38	140	32	51	44	49	74	85	17	5.3
17	3.1	25	26	101	48	43	41	59	51	92	6.1	3.8
18	3.1	24	25	63	30	49	32	44	46	216	5.7	11
19												
20	177	22	160	53	31	48	34	55	45	72	9.6	16
21	79	21	170	49	41	44	33	45	44	79	6.1	15
22	40	20	69	121	63	39	25	41	39	69	21	9.0
23	35	20	55	115	66	59	15	36	23	58	33	11
24	34	24	52	94	59	138	15	28	12	56	27	19
25												
26	32	31	53	62	53	92	15	15	11	69	16	27
27	30	25	51	59	51	66	24	14	10	51	10	24
28	20	23	48	46	62	63	33	15	11	35	9.6	160
29	4.9	22	46	52	144	62	41	15	10	22	11	221
30	5.3	33	53	127	180	63	34	13	12	195	11	275
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TOTAL												
MEAN	807.5	705	1819	2166	1659	1697	1313	1079.6	938	1637.5	529.1	3832.4
MAX	26.0	23.5	58.7	69.9	59.3	54.7	43.8	34.8	31.3	52.8	17.1	128
MIN	177	41	190	165	180	138	140	62	84	216	39	1990
†	3.1	10	17	17	30	32	15	9.6	10	7.5	5.7	3.1
‡	1.56	1.47	1.58	1.59	0.12	1.22	1.41	1.02	0	0	0	0
CAL YR 1974	TOTAL	15924.12	MEAN 43.6	MAX 874	MIN .32	† 1.25						
WTR YR 1975	TOTAL	18183.10	MEAN 49.8	MAX 1990	MIN 3.1	‡ 0.84						

† Indicated net diversion, in cubic feet per second, from Sheldrake River for water-supply purposes.

HUTCHINSON RIVER BASIN

01301500 HUTCHINSON RIVER AT PELHAM, N.Y.

LOCATION.--Lat 40°54'41", long 73°48'55", Westchester County, on right bank in Pelham, just upstream from Penn Central Transportation Company bridge, 100 ft (30 m) downstream from Pelham Lake, and 1.5 mi (2.4 km) west of New Rochelle.

DRAINAGE AREA.--5.76 mi² (14.9 km²).

PERIOD OF RECORD.--November 1943 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 12.92 ft (3.938 m) above mean sea level (levels by County of Westchester).

AVERAGE DISCHARGE.--31 years (1944-75), 6.77 ft³/s (0.192 m³/s).

EXTREMES.--Current year: Maximum discharge, 420 ft³/s (11.9 m³/s) Sept. 26 (gage height, 5.04 ft or 1.536 m) from rating curve extended above 180 ft³/s (5.10 m³/s); minimum, 0.96 ft³/s (0.027 m³/s) Sept. 10, 12 (gage height, 2.23 ft or 0.680 m).
 Period of record: Maximum discharge 526 ft³/s (14.9 m³/s) Aug 28, 1971 (gage height, 5.18 ft or 1.579 m) from rating curve extended above 200 ft³/s (5.66 m³/s); minimum, 0.01 ft³/s (0.000 m³/s) July 27, 1957; minimum daily, 0.02 ft³/s (0.001 m³/s) Aug. 2-6, 1955, July 26, 27, 1957, Oct. 26-30, 1964; minimum gage height, 1.86 ft (0.567 m) Aug. 2, 5, 1955.

REMARKS.--Records fair except those for period at no gage-height record, which are poor. Flow controlled by Pelham Lake and three reservoirs above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.5	5.2	2.7	8.0	7.6	8.7	13	4.8	15	1.6	4.0	2.2
2	5.2	9.5	50	6.3	7.6	8.0	9.9	5.4	7.6	1.6	3.7	2.7
3	3.7	9.5	23	5.2	8.4	6.9	40	5.0	9.5	1.7	3.4	4.0
4	3.1	7.3	11	4.6	7.6	6.6	29	10	7.3	1.6	2.9	2.1
5	2.9	9.1	6.9	4.0	9.5	5.9	15	13	8.0	1.3	4.0	1.7
6	2.7	9.5	4.6	3.4	13	5.2	8.7	10	43	3.1	3.7	1.6
7	2.7	9.9	3.7	13	13	6.3	6.3	16	23	3.1	5.9	1.4
8	2.9	8.0	19	9.5	10	7.6	5.0	10	11	1.4	3.4	1.3
9	3.1	6.3	18	25	9.1	7.3	4.8	6.0	6.6	1.6	4.9	1.2
10	3.4	5.9	11	18	8.0	6.3	4.6	5.0	4.9	1.9	4.3	1.1
11	3.4	5.2	7.3	13	7.6	5.2	4.4	4.7	4.9	1.7	3.4	1.1
12	4.0	7.6	5.6	9.1	7.3	15	4.2	4.5	20	2.2	2.7	4.0
13	4.3	19	4.6	22	9.5	15	4.1	31	26	21	2.7	1.9
14	5.2	11	4.6	19	8.4	13	4.0	27	15	23	2.7	1.3
15	5.2	6.6	4.3	12	8.0	16	3.9	15	8.7	44	2.7	1.2
16	35	4.3	32	9.1	9.1	13	3.9	18	8.4	22	5.2	1.2
17	29	2.9	36	6.9	12	12	3.8	11	6.9	9.9	2.4	1.3
18	11	2.4	18	18	19	9.1	3.7	8.0	6.3	6.3	2.4	1.4
19	6.3	2.4	10	20	20	24	4.0	6.6	8.7	4.9	2.4	5.2
20	3.7	4.3	7.3	18	15	52	3.7	6.3	5.9	5.6	2.7	2.7
21	2.9	5.9	5.9	9.9	12	33	3.6	5.6	4.6	9.9	2.4	8.7
22	2.7	5.6	5.6	8.4	9.5	17	3.4	4.9	3.7	4.9	2.4	5.9
23	2.2	4.6	5.2	6.9	16	11	3.3	4.9	3.6	3.7	2.1	55
24	2.2	3.1	4.6	6.3	43	20	14	4.6	3.0	3.4	12	65
25	2.7	2.7	8.0	19	45	16	15	4.9	2.7	57	11	74
26	3.7	3.1	7.3	18	21	14	14	4.9	2.2	36	3.7	206
27	4.0	4.3	6.3	12	13	11	8.0	4.9	2.1	15	2.4	142
28	5.6	3.7	4.6	8.7	9.9	9.1	6.0	4.9	2.1	8.0	2.2	29
29	5.6	2.7	4.0	16	---	8.7	5.4	4.9	1.9	5.2	2.2	15
30	4.9	2.2	3.4	13	---	20	5.0	4.6	1.7	4.9	4.9	10
31	6.9	---	3.7	9.5	---	16	---	4.6	---	4.6	2.2	---
TOTAL	189.7	183.8	338.2	371.8	379.1	418.9	253.7	271.0	274.3	312.1	117.0	651.2
MEAN	6.12	6.13	10.9	12.0	13.5	13.5	8.46	8.74	9.14	10.1	3.77	21.7
MAX	35	19	50	25	45	52	40	31	43	57	12	206
MIN	2.2	2.2	2.7	3.4	7.3	5.2	3.3	4.5	1.7	1.3	2.1	1.1
CAL YR 1974	TOTAL	3184.34	MEAN	8.72	MAX	202	MIN	.23				
WTR YR 1975	TOTAL	3760.80	MEAN	10.3	MAX	206	MIN	1.1				

NOTE.--No gage-height record Apr. 8 to May 14.

01302000 BRONX RIVER AT BRONXVILLE, N.Y.

LOCATION.--Lat 40°56'09", long 73°50'10", Westchester County, on right bank in Bronxville, just upstream from Penn Central Transportation Company bridge, 800 ft (244 m) downstream from Grassy Sprain Brook.

DRAINAGE AREA.--26.5 mi² (68.6 km²) (not including 18.1 mi² (46.9 km²), the entire flow from which is diverted for municipal water supply and drainage purposes).

PERIOD OF RECORD.--November 1943 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 73.74 ft (22.476 m) above mean sea level.

AVERAGE DISCHARGE.--31 years (1944-75) 40.2 ft³/s (1.138 m³/s) (20.60 in/yr or 523.2 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,190 ft³/s (62.0 m³/s) Sept. 26 (gage height, 8.92 ft or 2.719 m), from rating curve extended as explained below; minimum, 8.5 ft³/s (0.24 m³/s) Sept. 18, 19 (gage height, 0.40 ft or 0.122 m).
 Period of record: Maximum discharge, 2,500 ft³/s (70.8 m³/s) June 19, 1972 (gage height, 9.63 ft or 2.935 m) from rating curve extended above 1,200 ft³/s (34.0 m³/s) on basis of flow through culvert computation of peak flow; minimum, 1.0 ft³/s (0.028 m³/s) Sept. 10, 1944 (gage height, 0.14 ft or 0.043 m).

REMARKS.--Records good. Diversions from 18.1 mi² for municipal water supply and flood control use. Included in these diversions is drainage from 12.8 mi² from Kensico Reservoir for City of New York, 4.58 mi² from Grassy Sprain Reservoir for Yonkers, 0.67 mi² for White Plains and 0.1 mi² for flood control from outflow of Grassy Sprain Reservoir.

REVISIONS (WATER YEARS).--WSP 1382: Drainage area. WRD New York 1971: 1961-67(P), 1968(M), 1970(M). WRD NY 1972: 1969(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	17	18	52	46	55	45	28	112	17	20	13
2	23	15	236	37	44	51	41	36	30	15	19	12
3	20	15	51	32	41	47	214	31	41	16	18	12
4	18	15	31	31	38	43	86	52	34	15	21	11
5	17	19	28	30	47	43	57	69	35	14	28	11
6												
7	17	22	25	28	58	41	53	37	204	16	26	11
8	16	16	25	82	49	43	51	90	52	15	106	11
9	15	15	137	39	41	46	47	38	32	14	27	11
10	15	15	67	193	38	36	45	32	28	15	21	12
11	15	15	37	64	35	36	43	30	26	16	18	9.0
12	14	15	33	60	34	36	41	28	24	18	18	9.5
13	14	27	32	48	33	61	40	28	127	24	17	30
14	14	141	31	139	35	57	38	125	118	155	17	35
15	14	30	29	84	33	43	36	96	44	74	15	12
16	14	23	28	55	33	60	35	39	36	209	14	9.5
17	206	20	199	48	38	46	35	79	39	43	34	9.5
18	67	18	143	45	51	40	32	43	39	33	20	9.5
19	26	18	60	123	72	37	30	36	32	26	15	9.0
20	20	17	49	97	70	114	33	34	33	21	14	29
21	18	28	45	79	55	221	30	32	28	19	13	18
22	17	51	43	53	44	82	28	31	24	84	13	89
23	17	25	40	52	40	63	26	31	22	24	14	28
24	17	18	37	49	72	66	26	29	21	19	12	279
25	17	18	36	46	181	66	87	28	21	17	45	288
26	17	20	63	120	125	69	87	26	20	343	33	286
27	18	23	44	86	70	52	75	26	19	94	18	968
28	18	17	35	53	60	46	34	26	18	36	14	883
29	15	17	34	48	56	45	31	24	25	29	13	191
30	17	17	32	103	---	47	29	23	24	26	12	123
31	17	15	31	58	---	96	28	22	22	23	41	92
	30	---	31	48	---	52	---	24	---	21	19	---
TOTAL	791	722	1730	2082	1539	1840	1483	1273	1330	1491	715	3511.0
MEAN	25.5	24.1	55.8	67.2	55.0	59.4	49.4	41.1	44.3	48.1	23.1	117
MAX	206	141	236	193	181	221	214	125	204	343	106	968
MIN	14	15	18	28	33	36	26	22	18	14	12	9.0
CFSM	.96	.91	2.11	2.54	2.08	2.24	1.86	1.55	1.67	1.82	.87	4.42
IN.	1.11	1.01	2.43	2.92	2.16	2.58	2.08	1.79	1.87	2.09	1.00	4.93
CAL YR 1974	TOTAL	15974.2	MEAN	43.8	MAX	390	MIN	6.2	CFSM	1.65	IN	22.42
WTR YR 1975	TOTAL	18507.0	MEAN	50.7	MAX	968	MIN	9.0	CFSM	1.91	IN	25.98

PEAK DISCHARGE (BASE, 525 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-16	2015	3.30	540	09-23	0845	3.43	608
07-15	0930	3.34	585	09-26	2030	8.92	2,190
07-25	0430	3.64	660				

STREAMS ON LONG ISLAND

01302500 GLEN COVE CREEK AT GLEN COVE, N.Y.

LOCATION.--Lat 40°51'48", long 73°38'05", Nassau County, on right bank just downstream from Glen Cove Road culvert at 8- x 10-foot concrete culvert outlet in Pratt Park, 1 block west of post office, Glen Cove.

DRAINAGE AREA.--About 11 mi² (28 km²).

PERIOD OF RECORD.--October 1938 to current year. Prior to October 1967, published as Cedar Swamp Creek.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 15.93 ft (4.855 m) above mean sea level, adjustment of 1912. Prior to September 10, 1957, at datum 0.6 ft (0.18 m) lower.

AVERAGE DISCHARGE.--37 years, 6.83 ft³/s (0.193 m³/s).

EXTREMES.--Current year: Maximum discharge, 691 ft³/s (19.6 m³/s) Sept. 26 (gage height, 4.75 ft or 1.448 m); minimum, 3.2 ft³/s (0.091 m³/s) Oct. 6, 13, 14 (gage height, 0.64 ft or 0.195 m).

Period of record: Maximum discharge, 1,860 ft³/s (52.7 m³/s) Sept. 12, 1960 (gage height, 7.12 ft or 2.170 m), from rating curve extended above 220 ft³/s (6.23 m³/s); minimum, 2.1 ft³/s (0.059 m³/s) Oct. 15, 1967; minimum gage height, 0.52 ft (0.158 m), Oct. 22, 1959, Oct. 15, 1967.

REMARKS.--Records good except those above 300 ft³/s (8.50 m³/s), which are fair. Records of quality-water data for the current year are published in Section 2 of this report.

REVISIONS (WATER YEARS).--WSP 971: 1939-42.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.1	3.5	6.1	7.4	5.1	4.8	4.8	4.4	20	4.3	5.3	5.0
2	4.0	3.4	37	4.8	4.8	4.4	4.4	5.1	5.9	4.1	4.1	5.3
3	4.0	3.4	7.9	4.6	4.8	4.4	48	4.0	9.4	5.0	4.0	4.6
4	4.0	3.5	7.2	4.6	4.6	4.3	11	16	5.0	4.1	4.4	4.4
5	3.7	3.7	11	4.6	6.9	4.3	8.1	11	14	4.1	4.6	4.3
6	3.4	3.7	10	4.4	7.9	4.1	6.3	8.3	28	17	5.7	4.3
7	3.8	3.5	8.6	8.8	5.7	5.0	5.3	8.6	8.6	9.7	6.5	4.3
8	4.0	3.5	23	5.1	5.1	4.3	4.6	5.3	6.1	4.8	5.7	4.4
9	4.0	3.5	9.1	25	4.8	4.0	4.3	4.6	5.1	5.3	5.5	4.3
10	4.0	3.5	7.4	6.3	4.6	4.3	4.1	4.3	4.8	6.7	5.3	4.3
11	4.0	3.5	6.1	6.5	4.6	4.3	4.1	4.1	4.4	4.1	5.0	4.3
12	3.7	9.1	5.3	5.3	4.6	12	4.0	4.3	31	12	4.8	19
13	3.4	11	4.8	23	4.6	5.9	3.8	22	16	48	4.6	5.9
14	3.4	4.3	4.6	8.1	4.8	8.1	4.0	12	9.7	52	4.6	5.7
15	3.8	4.1	4.4	5.7	5.0	8.1	4.0	8.3	7.6	71	4.6	5.9
16	28	3.8	44	5.3	6.1	5.5	4.0	15	6.5	14	6.9	5.5
17	4.8	3.8	15	5.1	8.6	5.0	3.8	6.5	7.2	11	4.4	5.3
18	4.0	3.8	7.2	21	9.1	4.6	4.3	5.5	5.0	7.2	4.6	5.3
19	3.7	3.8	5.7	15	8.6	21	4.0	5.1	13	5.7	4.6	8.1
20	3.5	6.5	5.3	17	5.9	17	3.7	4.8	5.0	9.4	4.6	5.9
21	3.7	6.5	5.0	11	5.3	7.9	3.8	4.4	4.6	14	5.0	7.2
22	3.5	4.0	4.8	9.1	4.8	6.3	3.8	4.3	4.3	5.4	5.1	7.4
23	3.7	3.8	4.8	7.6	9.9	5.3	3.8	4.1	4.1	4.8	4.6	34
24	3.7	3.8	4.6	6.5	27	7.9	15	4.0	4.1	5.0	14	50
25	3.7	4.4	7.4	20	12	5.1	14	3.8	4.1	46	9.7	38
26	3.4	4.0	4.8	9.9	7.4	4.8	8.3	3.8	4.6	12	7.6	105
27	3.4	3.8	4.6	6.9	5.9	4.4	5.5	4.0	4.4	8.3	6.5	25
28	3.4	3.7	4.6	5.9	5.1	4.4	4.8	3.8	8.6	5.7	5.9	13
29	3.4	3.5	4.4	15	---	4.6	4.4	3.8	4.3	5.0	5.7	8.8
30	3.5	3.5	4.4	6.7	---	10	4.1	3.8	4.1	4.4	7.6	7.4
31	4.3	---	5.7	5.7	---	5.0	---	3.8	---	4.3	5.1	---
TOTAL	141.0	129.9	284.8	291.9	193.6	201.1	208.1	202.8	259.5	414.4	176.6	411.9
MEAN	4.55	4.33	9.19	9.42	6.91	6.49	6.94	6.54	8.65	13.4	5.70	13.7
MAX	28	11	44	25	27	21	48	22	31	71	14	105
MIN	3.4	3.4	4.4	4.4	4.6	4.0	3.7	3.8	4.1	4.1	4.0	4.3

CAL YR 1974 TOTAL 2448.1 MEAN 6.71 MAX 63 MIN 3.4
WTR YR 1975 TOTAL 2915.6 MEAN 7.99 MAX 105 MIN 3.4

01303000 MILL NECK CREEK AT MILL NECK, N.Y.

LOCATION.--Lat 40°53'15", long 73°33'51", Nassau County, on right bank at Beaver Dam, 30 ft (9 m) upstream from Feeks Lane (Cleft Road) bridge in Mill Neck, and 1.5 mi (2.4 km) southwest of Bayville.

DRAINAGE AREA.--About 11.5 mi² (30 km²).

PERIOD OF RECORD.--January 1937 to current year.

GAGE.--Water-stage recorder and steel sheet-piling control. Datum of gage is 6.49 ft (1.978 m) above mean sea level.

AVERAGE DISCHARGE.--38 years, 9.05 ft³/s (0.256 m³/s).

EXTREMES.--Current year: Maximum discharge, 50 ft³/s (1.42 m³/s) July 15 (gage height, 0.94 ft or 0.287 m); minimum discharge 7.0 ft³/s (0.20 m³/s) many days (gage height, 0.28 ft or 0.085 m).

Period of record: Maximum discharge, 137 ft³/s (3.88 m³/s) Sept. 12, 1960, from rating curve extended above 70 ft³/s (0.99 m³/s); maximum gage height, 4.85 ft (1.478 m) Sept. 21, 1938 (hurricane wave); minimum discharge, 0.09 ft³/s (0.003 m³/s) Dec. 11, 1941 (result of freezeup); minimum gage height, 0.14 ft (0.043 m) Sept. 8, 1939 (result of wind action).

REMARKS.--Records good. Slight regulation by ponds above station. Records of quality-water data for the current year are published in Section 2 of this report.

REVISIONS.--WSP 1141: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.2	7.9	8.2	10	9.2	8.8	8.6	8.2	13	7.0	8.4	8.1
2	8.4	7.5	28	9.2	8.8	8.8	8.2	8.9	11	7.0	8.4	8.1
3	7.7	7.5	16	8.4	8.8	8.4	19	8.6	9.4	7.1	8.4	8.1
4	7.7	7.4	10	8.4	8.4	8.1	16	9.5	9.1	7.2	8.1	8.1
5	7.7	7.5	8.5	8.1	10	8.0	11	15	8.7	7.0	8.8	8.1
6	7.7	7.5	8.1	8.1	10	8.1	9.2	11	17	8.8	9.2	8.1
7	7.9	7.4	8.1	11	10	8.2	8.6	11	13	12	11	8.1
8	7.7	7.3	12	9.6	9.6	8.4	8.3	9.8	9.9	10	10	8.1
9	7.7	7.3	12	15	8.8	7.8	8.1	8.7	8.7	8.6	9.2	8.1
10	7.7	7.3	9.3	12	8.8	7.9	8.1	8.3	8.2	8.8	8.8	7.7
11	7.7	7.3	8.1	10	8.8	8.2	8.1	8.1	7.7	9.1	8.8	8.1
12	7.7	8.0	8.1	9.2	10	9.6	8.0	8.0	11	12	8.8	10
13	7.7	13	8.1	12	10	11	7.8	12	16	17	8.4	13
14	8.1	9.7	7.7	13	9.2	9.9	7.8	13	11	28	8.4	9.6
15	8.1	8.4	7.7	10	8.8	11	8.0	9.7	9.5	36	8.4	8.4
16	17	7.9	15	8.4	9.2	9.7	8.1	12	8.8	21	10	8.1
17	14	7.7	21	8.1	10	8.9	8.0	10	9.0	13	11	8.1
18	9.4	7.7	12	10	12	8.5	8.2	9.0	8.6	10	10	7.7
19	7.9	7.8	9.6	14	12	11	8.6	8.6	8.3	9.2	8.8	9.6
20	7.3	8.8	9.2	13	10	17	8.1	8.0	9.5	9.2	8.4	9.6
21	7.0	9.9	9.2	11	9.6	12	7.5	7.8	8.4	16	8.1	9.6
22	7.0	8.2	8.8	10	9.2	9.8	7.4	7.9	7.8	12	8.1	9.2
23	7.3	7.9	8.4	9.6	10	9.1	7.5	8.1	7.5	9.2	7.7	17
24	7.3	7.7	8.0	9.2	15	9.3	10	7.9	7.5	8.4	8.8	26
25	7.4	7.8	9.2	12	15	10	14	7.4	7.6	18	9.6	30
26	7.4	7.8	9.2	14	11	8.7	14	7.6	7.4	18	9.2	32
27	7.3	7.7	8.4	10	9.2	8.1	10	7.7	7.4	12	8.8	26
28	7.3	7.7	8.4	9.6	8.8	8.0	9.0	7.4	7.6	10	8.1	14
29	7.4	7.5	8.0	12	---	8.3	8.5	7.2	7.8	9.2	8.4	11
30	7.5	7.3	8.0	11	---	10	8.3	7.2	7.4	8.8	9.2	10
31	8.0	---	8.0	9.6	---	9.4	---	7.6	---	8.4	8.4	---
TOTAL MEAN	255.2	240.4	320.3	325.5	280.2	290.0	282.0	281.2	283.8	378.0	275.7	357.6
MAX	8.23	8.01	10.3	10.5	10.0	9.35	9.40	9.07	9.46	12.2	8.89	11.9
MIN	17	13	28	15	15	17	19	15	17	36	11	32
MIN	7.0	7.3	7.7	8.1	8.4	7.8	7.4	7.2	7.4	7.0	7.7	7.7

CAL YR 1974	TOTAL	3468.5	MEAN 9.50	MAX 28	MIN 6.5
WTR YR 1975	TOTAL	3569.9	MEAN 9.78	MAX 36	MIN 7.0

PEAK DISCHARGE (BASE, 32 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-02	0600	0.80	38	9-24	2030	0.77	35
07-15	1030	.94	50	9-26	1630	.91	47

STREAMS ON LONG ISLAND

01303500 COLD SPRING BROOK AT COLD SPRING HARBOR, N.Y.

LOCATION.--Lat 40°51'26", long 73°27'50", Nassau County, on left bank 270 ft (82 m) upstream from State Highway 25-A, at Cold Spring Harbor State Fish Hatchery, and 1.0 mi (1.6 km) southwest of village of Cold Spring Harbor.

DRAINAGE AREA.--About 7.3 mi² (19 km²).

PERIOD OF RECORD.--July 1950 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 5.38 ft (1.640 m) above mean sea level.

AVERAGE DISCHARGE.--25 years, 2.41 ft³/s (0.0683 m³/s) (unadjusted).

EXTREMES.--Current year: Maximum discharge, 22 ft³/s (0.62 m³/s) Sept. 24 (gage height, 0.70 ft or 0.213 m); maximum gage height, 2.48 ft (0.756 m) Dec. 2, (backwater from high tide); minimum discharge, 1.4 ft³/s (0.040 m³/s) Oct. 28, 29, Sept. 12 (result of regulation); minimum gage height, 0.18 ft (0.055 m) Sept. 12 (result of regulation).

Period of record: Maximum discharge, 108 ft³/s (3.06 m³/s) Sept. 11, 1954 (gage height, 1.33 ft or 0.405 m), backwater from aquatic vegetation), from rating curve extended above 28 ft³/s (0.79 m³/s); maximum gage height, 5.34 ft (1.628 m) Aug. 31, 1954 (backwater from high tide), from high-water mark; minimum discharge, 0.20 ft³/s (0.006 m³/s) Jan. 24-27, 1967 (gage height, 0.07 ft or 0.021 m).

REMARKS.--Records good. Flow occasionally regulated at outlet of pond 40 ft (12 m) above station. Diversion from this pond by New York State Fish Hatchery bypasses station. Water-quality records for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.4	1.9	1.9	3.5	3.9	3.9	3.2	2.7	3.4	2.9	3.2	2.7
2	3.2	1.9	4.4	3.6	3.9	4.2	3.0	2.8	4.4	2.5	3.4	3.7
3	3.2	1.9	4.3	3.4	3.9	4.2	6.6	2.8	4.1	2.6	3.2	3.2
4	3.0	1.9	3.1	3.4	3.7	3.9	6.2	3.0	3.8	2.8	3.0	3.0
5	2.7	1.9	2.6	3.2	4.2	3.8	4.0	4.2	3.5	2.3	3.4	3.0
6	2.7	1.7	2.4	3.2	4.3	3.7	3.3	3.9	4.4	2.6	2.6	3.0
7	2.7	2.7	2.3	3.9	4.2	3.8	2.9	3.8	4.7	3.4	2.3	2.7
8	2.7	2.5	2.8	3.6	4.2	3.9	2.7	3.4	4.2	3.3	2.1	2.5
9	2.7	2.1	3.5	5.3	4.1	3.7	2.7	3.1	4.0	2.5	2.1	2.5
10	2.7	1.9	2.9	5.0	3.9	3.7	2.7	2.9	3.6	2.1	1.6	2.3
11	2.7	1.9	2.5	4.4	3.9	3.8	2.7	2.7	3.3	2.7	1.9	2.1
12	2.7	1.7	2.3	4.6	4.3	3.4	2.7	2.7	3.5	3.5	1.9	1.4
13	2.7	2.3	2.1	6.0	4.3	3.6	2.7	3.3	5.4	3.2	2.1	1.6
14	2.5	2.7	2.1	5.6	4.0	3.2	2.7	3.2	4.8	4.6	2.3	2.3
15	2.3	2.5	2.1	4.5	3.9	3.7	2.7	2.9	4.0	5.0	2.3	2.3
16	3.7	2.1	3.1	4.0	4.0	3.3	2.7	3.2	3.3	3.4	2.7	2.6
17	4.7	1.9	7.3	3.9	4.2	3.0	2.7	3.2	3.2	4.1	3.0	2.7
18	3.7	1.9	5.1	4.2	4.4	2.8	2.7	3.2	3.0	3.9	3.0	2.7
19	3.0	1.9	3.9	5.2	4.5	3.2	2.7	2.9	2.9	3.7	2.7	2.9
20	2.7	2.1	3.5	5.2	4.3	4.4	2.7	2.7	3.4	3.2	2.7	3.0
21	2.5	2.5	3.4	4.4	3.9	3.8	2.6	2.8	3.6	3.7	2.3	3.0
22	2.3	2.3	2.9	4.1	3.9	3.3	2.6	3.0	3.2	3.9	2.3	3.0
23	2.1	2.1	2.9	3.9	4.2	3.1	2.5	2.8	3.0	3.7	2.3	4.3
24	2.1	2.1	2.9	3.9	5.6	3.2	3.2	2.7	3.0	2.7	2.3	10
25	2.1	2.1	3.1	4.5	5.9	3.4	3.9	2.5	3.1	3.2	2.3	9.2
26	2.1	2.1	3.4	5.3	4.7	3.1	3.9	2.5	3.1	3.7	1.9	4.4
27	2.1	1.9	3.2	4.5	4.3	2.8	3.3	2.5	3.2	3.4	2.1	5.2
28	1.6	1.9	2.9	4.1	4.2	2.8	3.0	2.5	3.1	3.7	2.1	4.4
29	1.6	1.9	2.9	4.4	---	3.0	2.9	2.6	3.0	3.4	2.3	3.6
30	1.7	1.9	2.9	4.3	---	3.2	2.7	2.5	3.1	3.0	2.5	3.2
31	1.9	---	3.2	4.1	---	3.2	---	2.4	---	3.0	2.5	---
TOTAL	81.8	62.2	97.9	133.2	118.8	108.1	94.9	91.4	108.3	101.7	76.4	102.5
MEAN	2.64	2.07	3.16	4.30	4.24	3.49	3.16	2.95	3.61	3.28	2.46	3.42
MAX	4.7	2.7	7.3	6.0	5.9	4.4	6.6	4.2	5.4	5.0	3.4	10
MIN	1.6	1.7	1.9	3.2	3.7	2.8	2.5	2.4	2.9	2.1	1.6	1.4
f	1.65	2.60	2.10	1.30	1.30	1.30	1.47	2.04	2.10	1.95	1.74	1.11

CAL YR 1974 TOTAL 1244.3 MEAN 3.41 f 1.60 MAX 8.8 MIN 1.6
WTR YR 1975 TOTAL 1177.2 MEAN 3.23 f 1.72 MAX 10 MIN 1.4

f INDICATED ADJUSTMENT, IN CUBIC FEET PER SECOND, FOR DIVISION THROUGH FISH HATCHERY.

01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN, N.Y.

LOCATION.--Lat 40°50'58", long 73°13'29", Suffolk County, on left bank 0.5 mi (0.8 km) downstream from Blydenburgh Pond, 1.0 mi (1.6 km) southwest of Smithtown, and 1.5 mi (2.4 km) southwest of village of Smithtown Branch.

DRAINAGE AREA.--About 27 mi² (70 km²).

PERIOD OF RECORD.--October 1943 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 9.59 ft (2.923 m) above mean sea level.

AVERAGE DISCHARGE.--32 years, 40.7 ft³/s (1.153 m³/s).

EXTREMES.--Current year: Maximum discharge, 93 ft³/s (2.63 m³/s) Aug. 7 (gage height, 1.05 ft or 0.320 m); minimum, 29 ft³/s (0.82 m³/s) July 11 (gage height, 0.58 ft or 0.177 m).

Period of record: Maximum discharge, 324 ft³/s (9.18 m³/s) Oct. 15, 1955 (gage height, 1.96 ft or 0.597 m), from rating curve extended above 130 ft³/s (3.68 m³/s); minimum discharge, 16 ft³/s (0.45 m³/s) June 5, 6, 1967; minimum gage height, 0.46 ft (0.140 m) Feb. 9, 1951; minimum daily, 19 ft³/s (0.54 m³/s) June 6, 1967.

REMARKS.--Records good. Occasional regulation caused by cleaning of fish screens and trash racks at outlets of Blydenburgh Pond on main stream and ponds on tributaries above station. Water quality records for the current year are published in Section 2 of this report.

REVISIONS.--WSP 1141: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39	36	37	45	47	47	45	44	51	40	42	40
2	36	36	60	43	46	46	44	45	47	40	41	40
3	36	36	55	42	45	44	61	44	45	40	41	39
4	34	36	48	41	45	44	62	46	43	39	40	38
5	34	37	43	41	48	44	55	56	42	40	40	38
6												
7	34	36	40	40	49	44	50	52	64	40	51	38
8	34	36	40	47	49	44	47	53	56	40	81	38
9	34	35	49	47	47	45	46	49	49	41	58	38
10	34	35	59	57	46	44	45	46	46	41	49	37
11	32	35	53	53	45	44	44	47	43	40	47	36
12	32	37	44	48	45	44	44	46	42	34	45	36
13	32	37	44	50	46	47	44	43	53	45	44	41
14	34	43	43	56	46	51	43	48	80	52	41	49
15	34	40	40	57	44	50	43	47	66	61	40	44
16	34	37	40	52	44	53	43	45	55	57	40	41
17												
18	55	36	49	47	44	50	44	53	50	50	41	39
19	56	36	62	45	45	48	43	51	48	45	41	38
20	45	36	54	48	49	46	43	49	46	42	37	38
21	41	35	49	53	50	47	44	46	45	41	37	38
22	38	37	45	56	47	57	43	44	44	42	39	42
23												
24	36	41	43	52	46	54	42	43	42	58	39	40
25	36	40	43	49	43	51	41	43	41	49	40	39
26	36	39	42	47	47	48	41	42	41	42	40	53
27	36	38	41	46	61	48	46	42	41	41	43	64
28	36	38	43	51	63	51	52	47	40	61	45	70
29												
30	36	38	43	55	55	49	55	44	39	59	47	65
31	36	38	42	52	50	46	50	42	40	51	45	61
32	36	38	42	49	48	45	47	41	41	49	42	54
33	35	36	41	52	---	45	45	40	42	45	41	47
34	35	36	41	50	---	48	44	40	41	42	42	44
35	36	---	40	48	---	47	---	40	---	42	41	---
TOTAL	1142	1112	1418	1519	1340	1471	1396	1418	1423	1409	1360	1325
MEAN	36.8	37.1	45.7	49.0	47.9	47.5	46.5	45.7	47.4	45.5	43.9	44.2
MAX	56	43	62	57	63	57	62	56	80	61	81	70
MIN	32	35	37	40	43	44	41	40	39	34	37	36

CAL YR 1974 TOTAL 16041 MEAN 43.9 MAX 80 MIN 30
WTR YR 1975 TOTAL 16333 MEAN 44.7 MAX 81 MIN 32

STREAMS ON LONG ISLAND

0130450 PECONIC RIVER AT RIVERHEAD, N.Y.

LOCATION.--Lat 40°54'49", long 72°41'14", Suffolk County, on right bank 200 ft (61 m) downstream from Long Island Lighting Co. dam, 0.4 mi (0.6 km) west of Riverhead, and 1.2 mi (1.9 km) upstream from outlet of Sweezy Pond.

DRAINAGE AREA.--About 75 mi² (194 km²).

PERIOD OF RECORD.--June 1942 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 6.54 ft (1.993 m) above mean sea level.

AVERAGE DISCHARGE.--33 years, 34.9 ft³/s (0.988 m³/s).

EXTREMES.--Current year: Maximum discharge, 77 ft³/s (2.18 m³/s) June 13 (gage height, 0.74 ft or 0.226 m); minimum, 15 ft³/s (0.42 m³/s) Aug. 5 (gage height, 0.34 ft (0.104 m), result of regulation); minimum daily, 21 ft³/s (0.59 m³/s) Sept. 10.

Period of record: Maximum discharge, 140 ft³/s (3.96 m³/s) Apr. 14, 1953 (gage height, 0.97 ft or 0.296 m); minimum, 1.4 ft³/s (0.040 m³/s) Jan. 9, 1966, Jan. 31, 1967, Dec. 6, 1969, Jan. 27, 1972; minimum gage height, 0.10 ft (0.030 m) Jan. 31, 1967, Jan. 27, 1972, result of freezeup, Dec. 6, 1969; minimum daily, 3.7 ft³/s (0.10 m³/s) Aug. 2, 1944.

REMARKS.--Records good. Flow regulated by ponds above station. Records of water-quality data for the current year are published in Section 2 of this report.

REVISIONS.--WSP 1141: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	26	23	40	54	60	49	56	58	40	35	26
2	30	26	32	38	54	58	45	54	56	42	34	27
3	28	26	38	37	52	59	50	54	54	42	34	27
4	28	26	37	37	50	60	62	54	52	40	32	26
5	28	26	35	35	52	54	58	60	50	38	27	24
6	28	26	37	35	54	52	56	60	56	38	24	23
7	28	26	37	37	54	52	58	60	56	37	34	23
8	26	24	38	38	52	54	58	60	54	37	42	23
9	25	24	45	43	50	52	58	56	52	37	43	23
10	25	24	43	45	50	50	58	56	50	37	37	21
11	24	24	42	45	50	50	56	54	50	35	34	22
12	23	24	40	47	49	50	54	54	52	40	32	23
13	23	27	40	49	50	52	52	54	68	43	26	26
14	23	27	38	52	49	49	50	52	70	45	24	26
15	23	27	37	52	47	50	49	52	64	43	27	25
16	28	26	38	50	47	49	50	58	64	42	31	24
17	34	24	45	50	47	49	50	58	64	42	32	24
18	32	24	45	50	49	49	52	58	64	42	34	24
19	30	23	43	54	50	49	52	56	64	40	38	24
20	28	24	42	58	49	54	52	56	64	38	34	25
21	27	27	42	56	47	56	50	56	62	40	30	25
22	26	26	42	56	47	54	47	56	60	38	28	24
23	26	24	42	54	49	54	47	56	58	37	23	27
24	26	24	42	54	52	54	50	56	58	35	23	34
25	26	23	42	56	58	56	54	56	56	38	26	43
26	26	23	42	58	62	56	60	56	54	42	27	49
27	26	22	42	56	62	54	58	58	49	42	27	55
28	24	22	40	54	60	52	56	58	43	42	27	56
29	24	22	40	54	---	50	54	58	43	42	27	53
30	24	23	38	54	---	50	56	58	40	38	27	50
31	26	---	38	54	---	50	---	58	---	37	26	---
TOTAL	825	740	1225	1498	1446	1638	1601	1748	1685	1229	945	902
MEAN	26.6	24.7	39.5	48.3	51.6	52.8	53.4	56.4	56.2	39.6	30.5	30.1
MAX	34	27	45	58	62	60	62	60	70	45	43	56
MIN	23	22	23	35	47	49	45	52	40	35	23	21

CAL YR 1974 TOTAL 15864 MEAN 43.5 MAX 77 MIN 21
WTR YR 1975 TOTAL 15482 MEAN 42.4 MAX 70 MIN 21

STREAMS ON LONG ISLAND

01305000 CARMANS RIVER AT YAPHANK, N.Y.

LOCATION.--Lat 40°49'49", long 72°54'24", Suffolk County, on left bank 50 ft (15 m) upstream from Long Island Railroad bridge, 0.2 mi (0.3 km) northeast of Yaphank Station, 0.5 mi (0.8 km) southeast of Yaphank.

DRAINAGE AREA.--About 71 mi² (184 km²).

PERIOD OF RECORD.--June 1942 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 17.95 ft (5.471 m) above mean sea level. Prior to Feb. 2, 1967, at same site at datum 1.00 ft (0.30 m) higher.

AVERAGE DISCHARGE.--33 years, 23.0 ft³/s (0.651 m³/s).

EXTREMES.--Current year: Maximum discharge, 50 ft³/s (1.42 m³/s) Apr. 3, June 12 (gage height, 1.55 ft or 0.472 m); minimum, 20 ft³/s (0.57 m³/s) Nov. 6-8, 11, 15-19, Nov. 27 to Dec. 1 (gage height, 1.19 ft or 0.363 m).
 Period of record: Maximum discharge, 83 ft³/s (2.35 m³/s) Sept. 11, 1954 (gage height, 1.25 ft (0.381 m), datum then in use); minimum, 2.8 ft³/s (0.079 m³/s) Feb. 24, 1967 (gage height, 0.73 ft or 0.223 m); minimum daily discharge, 6.2 ft³/s (0.18 m³/s) Feb. 28, Mar. 3, 1967, result of temporary construction upstream.

REMARKS.--Records good. Some regulation by two lakes above station. Water quality records for the current year are published in Section 2 of this report.

REVISIONS.--WSP 1141: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	22	21	20	25	26	27	27	27	27	26	24	23
3	23	21	33	23	25	27	27	28	26	25	24	23
4	22	21	27	23	25	27	36	28	26	26	24	23
5	21	21	24	23	25	26	34	28	26	25	26	23
	21	21	23	23	28	26	30	30	25	25	25	23
6												
7	21	21	22	22	28	26	29	28	33	26	24	23
8	21	20	22	26	27	26	28	30	29	26	28	23
9	21	21	26	24	26	28	28	28	27	26	26	22
10	21	21	27	30	26	26	28	27	26	26	25	22
	21	21	24	27	26	26	28	26	25	26	24	21
11												
12	21	21	23	25	26	27	28	26	25	26	24	21
13	21	21	23	25	26	28	28	26	32	32	24	24
14	21	23	23	28	26	30	28	26	44	31	24	26
15	21	21	22	28	25	29	27	26	34	29	24	24
	21	21	21	25	25	31	28	26	32	28	23	23
16												
17	29	20	27	24	26	28	28	32	30	27	24	22
18	30	21	32	24	26	28	28	29	30	26	25	23
19	26	21	26	26	27	28	27	28	28	26	24	22
20	24	21	24	28	28	28	28	27	28	26	24	23
	23	22	24	29	26	34	28	26	28	25	23	23
21												
22	22	25	23	26	26	33	27	26	27	27	23	23
23	21	22	24	26	26	30	26	26	27	26	23	22
24	22	21	23	26	28	29	26	26	26	25	23	28
25	21	21	23	26	34	28	29	26	27	25	24	32
	21	21	24	28	34	30	32	28	27	27	24	34
26												
27	22	21	24	28	30	29	33	28	26	26	24	28
28	21	20	23	26	28	27	29	27	26	26	24	28
29	21	20	23	26	27	27	28	27	27	25	23	26
30	21	20	23	27	---	26	28	28	26	24	23	24
31	21	20	23	27	---	29	28	28	26	24	23	24
	22	---	23	26	---	28	---	27	---	24	23	---
TOTAL												
MEAN	686	632	749	800	756	872	859	849	846	812	746	726
MAX	22.1	21.1	24.2	25.8	27.0	28.1	28.6	27.4	28.2	26.2	24.1	24.2
MIN	30	25	33	30	34	34	36	32	44	32	28	34
	21	20	20	22	25	26	26	26	25	24	23	21

CAL YR 1974	TOTAL	10054	MEAN 27.5	MAX 39	MIN 20
WTR YR 1975	TOTAL	9333	MEAN 25.6	MAX 44	MIN 20

STREAMS ON LONG ISLAND

01305500 SWAN RIVER AT EAST PATCHOGUE, N.Y.

LOCATION.--Lat 40°46'01", long 72°59'39", Suffolk County, on left bank 94 ft (29 m) downstream from Montauk Highway in East Patchogue, 200 ft (61 m) downstream from outlet of Swan Lake and 1.2 mi (1.9 km) upstream from mouth.

DRAINAGE AREA.--About 8.8 mi² (23 km²).

PERIOD OF RECORD.--October 1946 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 2.84 ft (0.866 m) above mean sea level.

AVERAGE DISCHARGE.--29 years, 12.4 ft³/s (0.351 m³/s).

EXTREMES.--Current year: Maximum discharge, 91 ft³/s (2.58 m³/s) June 12 (gage height, 1.51 ft or 0.460 m), from rating curve extended above 18 ft³/s (0.51 m³/s); minimum, 0.43 ft³/s (0.012 m³/s) Aug. 13 (gage height, 0.17 ft (0.052 m), result of regulation); minimum daily discharge, 8.1 ft³/s (0.23 m³/s) Nov. 17.

Period of record: Maximum discharge, 119 ft³/s (3.37 m³/s) Sept. 2, 1974 (gage height, 1.79 ft or 0.546 m), from rating curve extended above 18 ft³/s (0.51 m³/s); maximum gage height, 1.80 ft (0.549 m) Sept. 11, 1954 (backwater from debris); minimum discharge, 0.06 ft³/s (0.002 m³/s) Sept. 2, 1964 (gage height, 0.02 ft or 0.006 m); minimum daily, 4.3 ft³/s (0.12 m³/s) Oct. 13, 14, 1967.

REMARKS.--Records fair. Flow regulated occasionally at outlet of Swan Lake. Records of quality-water data for the current year are published in Section 2 of this report.

REVISIONS.--WSP 1622: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	9.4	9.8	12	12	14	13	13	17	13	13	9.4
2	10	9.4	24	11	12	14	13	14	16	12	12	9.4
3	10	9.4	16	11	12	14	21	14	15	12	12	9.4
4	9.8	9.4	12	11	12	14	16	14	13	12	12	9.4
5	9.8	9.8	10	11	14	14	14	15	14	12	13	9.4
6	9.8	9.0	10	11	14	14	14	15	23	13	14	9.0
7	9.8	9.0	9.8	13	13	13	14	16	16	13	16	9.0
8	9.4	9.8	13	12	13	13	13	14	14	13	13	9.0
9	9.4	9.4	13	15	13	14	13	14	13	13	12	8.5
10	9.4	9.4	11	13	12	15	13	14	13	13	12	8.5
11	9.7	9.4	11	12	12	15	13	14	13	12	12	8.5
12	9.4	9.4	10	11	13	15	13	15	27	21	12	11
13	9.5	11	10	15	13	15	13	15	30	17	9.0	11
14	9.4	10	11	14	12	14	13	15	17	16	13	9.4
15	9.6	9.8	11	12	12	14	13	16	16	15	13	9.0
16	15	8.5	17	12	13	14	13	21	16	14	12	9.0
17	14	8.1	14	12	13	17	13	16	16	14	12	9.0
18	12	9.4	12	13	13	16	13	16	15	14	11	9.0
19	10	10	11	15	13	14	13	16	15	13	11	9.0
20	9.8	11	11	14	13	14	13	16	15	13	11	9.0
21	9.4	12	11	12	13	14	13	16	15	15	10	9.0
22	9.4	11	11	12	13	15	13	16	15	13	10	9.0
23	9.4	10	11	12	14	14	13	16	15	13	10	13
24	9.4	10	11	12	19	14	15	16	15	13	11	17
25	9.0	9.8	12	13	20	13	17	17	14	17	11	16
26	9.4	10	12	13	15	13	17	15	14	14	11	14
27	9.4	9.8	11	12	14	14	14	15	14	14	11	14
28	9.0	9.8	11	13	14	13	13	15	14	14	10	14
29	9.4	9.8	11	14	---	13	13	15	14	14	9.8	13
30	9.4	9.8	11	13	---	14	13	15	13	14	9.8	13
31	9.4	---	11	12	---	14	---	14	---	13	9.8	---
TOTAL	309.4	292.6	369.6	388	376	438	415	473	477	429	358.4	316.9
MEAN	9.98	9.75	11.9	12.5	13.4	14.1	13.8	15.3	15.9	13.8	11.6	10.6
MAX	15	12	24	15	20	17	21	21	30	21	16	17
MIN	9.0	8.1	9.8	11	12	13	13	13	13	12	9.0	8.5

CAL YR 1974 TOTAL 4530.8 MEAN 12.4 MAX 24 MIN 6.2
WTR YR 1975 TOTAL 4642.9 MEAN 12.7 MAX 30 MIN 8.1

STREAMS ON LONG ISLAND

01306000 Patchogue River at Patchogue, N.Y.

LOCATION.--Lat 40°45'56", long 73°01'16", Suffolk County, on left bank just downstream from Montauk Highway in Patchogue, 1.0 mi (1.6 km) upstream from mouth.

DRAINAGE AREA.--About 13.5 mi² (35 km²).

PERIOD OF RECORD.--October 1945 to September 1969, October 1973 to current year. Occasional low-flow measurements, water years 1970-73. Prior to October 1967, published as Patchogue Creek.

GAGE.--Water-stage recorder. Datum of gage is 0.50 ft (0.152 m) above mean sea level. Auxiliary water-stage recorder on right bank 254 ft (77 m) downstream from base gage at same datum as base gage.

AVERAGE DISCHARGE.--26 years (1946-69, 1974-75), 20.4 ft³/s (0.578 m³/s).

EXTREMES.--Current year: Maximum daily discharge, 41 ft³/s (1.16 m³/s) June 13; minimum daily, 8.6 ft³/s (0.24 m³/s) Oct. 24.
Period of record: Maximum daily discharge, 83 ft³/s (2.35 m³/s) Oct. 16, 1955; minimum daily, 2.1 ft³/s (0.059 m³/s) Nov. 21, 1954.

REMARKS.--Records good. Occasional regulation by powerplant above station. Water-quality records for the current year are published in Section 2 of this report.

REVISIONS.--WSP 1141: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	17	14	20	21	21	21	21	21	22	19	18
2	15	17	28	18	21	21	21	21	19	22	19	18
3	15	17	20	18	22	21	30	21	19	22	19	18
4	15	17	19	18	21	21	26	22	18	22	19	18
5	16	16	19	18	24	21	23	24	20	22	20	18
6	16	17	18	17	23	21	22	22	28	21	19	18
7	16	17	18	21	22	20	22	25	23	22	23	18
8	15	16	22	19	22	17	22	22	20	21	21	17
9	15	15	23	24	21	19	21	21	19	21	20	18
10	15	16	19	21	21	20	21	21	19	21	19	17
11	15	16	18	19	21	21	21	20	19	21	20	17
12	15	18	18	19	22	22	21	20	32	27	20	20
13	15	19	18	24	21	23	21	21	41	24	19	20
14	15	16	18	23	21	23	21	21	25	23	18	18
15	15	15	18	20	20	23	21	21	22	22	18	17
16	22	15	26	20	21	22	21	27	21	20	20	17
17	21	14	31	20	21	21	20	24	22	19	20	18
18	18	15	21	22	22	20	20	22	21	19	19	17
19	17	15	19	24	22	23	20	21	21	18	19	18
20	16	16	19	25	21	25	21	21	22	18	20	18
21	16	17	19	21	21	24	20	21	22	22	18	17
22	15	15	19	21	20	22	20	20	23	21	19	17
23	16	15	17	21	23	22	20	20	22	20	18	23
24	8.6	15	16	21	31	23	24	19	22	21	20	27
25	11	14	18	24	27	23	26	20	22	23	20	26
26	12	15	18	23	23	22	26	19	22	22	20	24
27	14	15	20	22	21	21	23	19	21	20	19	26
28	21	14	26	21	21	21	22	19	21	20	18	23
29	22	14	22	23	---	22	22	19	23	20	18	22
30	25	14	19	23	---	24	21	20	23	19	18	21
31	18	---	18	22	---	22	---	19	---	19	18	---
TOTAL	499.6	472	618	652	617	671	660	653	673	654	597	584
MEAN	16.1	15.7	19.9	21.0	22.0	21.6	22.0	21.1	22.4	21.1	19.3	19.5
MAX	25	19	31	25	31	25	30	27	41	27	23	27
MIN	8.6	14	14	17	20	17	20	19	18	18	18	17

CAL YR 1974 TOTAL 7408.6 MEAN 20.3 MAX 33 MIN 8.6
WTR YR 1975 TOTAL 7350.6 MEAN 20.1 MAX 41 MIN 8.6

01306500 CONNETQUOT RIVER NEAR OAKDALE, N.Y.

LOCATION.--Lat 40°44'51", long 73°09'03", Suffolk County, on left bank just downstream from bridge on State Highway 27, 1.0 mi (1.6 km) west of Oakdale.

DRAINAGE AREA.--About 24 mi² (62 km²).

PERIOD OF RECORD.--October 1943 to current year.

GAGE.--Base gage (01306499): Water-stage recorder and wooden stoplog control (temporarily removed). Datum of gage is 1.56 ft (0.475 m) above mean sea level.

Supplementary gage (01306495): Water-stage recorder with concrete control on left bank of secondary channel 0.25 mi (0.40 km) north-east of base gage at datum 4.74 ft (1.445 m) above mean sea level. Prior to Aug. 10, 1965, at datum 1.0 ft (0.30 m) higher.

AVERAGE DISCHARGE.--32 years, 37.8 ft³/s (1.070 m³/s).

EXTREMES.--Current year: Maximum daily discharge, 85 ft³/s (2.41 m³/s) June 13; minimum daily, 24 ft³/s (0.68 m³/s) Oct. 1
Period of record: Maximum daily discharge, 263 ft³/s (7.45 m³/s) Oct. 16, 1955; minimum daily, 16 ft³/s (0.45 m³/s) Oct. 13, 1966.

REMARKS.--Records poor. Flow at both gages occasionally regulated by cleaning operations at outlets of ponds above stations. Discharge figures given are those of combined flows in main and secondary channels. Water quality records for flows in the main channel (01306499) and the secondary channel (01306495) for the current year are published in Section 2 of this report.

REVISIONS.--WSP 1141: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2												
3												
4						43						
5					41							
6						44						
7	28											
8												
9												
10												
11	27		42									
12												
13												
14												
15												
16										44		
17									55			
18												
19												
20												
21					44							
22	32											
23												
24							47					
25												
26												
27												
28												
29												
30										36		
31												
TOTAL												
MEAN	31	29	42	43	43	46	47	46	49	41	35	37
MAX												
MIN												

CAL YR 1974 TOTAL ----- MEAN 29 MAX 69 MIN 24
WTR YR 1975 TOTAL ----- MEAN 41 MAX 85 MIN 24

NOTE.--Base gage: No gage-height record October 1 to September 30; occasional instantaneous discharge measurements on days indicated. Combined monthly and yearly mean discharge estimated.

01307500 PENATAQUIT CREEK AT BAY SHORE, N.Y.

LOCATION.--Lat 40°43'37", long 73°14'41", Suffolk County, on right bank just upstream from Union Avenue in Bay Shore, 4,500 ft (1,372 m) upstream from mouth.

DRAINAGE AREA.--About 5 mi² (13 km²).

PERIOD OF RECORD.--August 1945 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 6.64 ft (2.024 m) above mean sea level.

AVERAGE DISCHARGE.--30 years, 6.29 ft³/s (0.178 m³/s).

EXTREMES.--Current year: Maximum discharge, 45 ft³/s (1.27 m³/s) Dec. 8 (gage height, 1.48 ft or 0.451 m); maximum gage height, 1.64 ft (0.500 m) June 19 (backwater from aquatic vegetation); minimum discharge, 0.9 ft³/s (0.025 m³/s) Dec. 6 (gage height, 0.15 ft or 0.046 m), result of temporary construction upstream.

Period of record: Maximum discharge, 71 ft³/s (2.01 m³/s) Oct. 7, 1972 (gage height, 2.01 ft or 0.613 m); maximum gage height, 2.31 ft (0.704 m) Oct. 16, 1955 (from floodmarks), Sept. 13, 1971 (backwater from debris); minimum discharge, 0.9 ft³/s (0.025 m³/s) Dec. 6, 1975 (gage height, 0.15 ft or 0.046 m), result of temporary construction upstream.

REMARKS.--Records fair except those from May to September, which are poor. Water quality records for the current year are published in Section 2 of this report.

REVISIONS (WATER YEARS).--WSP 1141: Drainage area. WSP 1702: 1955(M), 1956, 1959(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	3.5	3.5		7.6	7.3	8.2	8.2	10	10	6.8	5.4	4.8
3	3.5	3.5	18	5.7	7.0	7.9	7.9	10	6.8	7.0	5.4	4.8
4	3.3	3.5	5.4	5.7	7.0	7.9	22	10	6.8	6.5	5.1	4.6
5	3.3	3.5	4.8	5.7	7.0	6.8	13	13	6.5	6.8	4.8	4.6
6	3.3	3.4	4.3	5.4	11	7.8	12	13	8.2	6.5	5.1	4.6
7	3.5	3.5	5.7	5.4	8.2	7.3	12	8.5	22	6.5	6.8	4.6
8	3.3	3.3	5.9	10	7.6	7.6	11	14	9.4	6.2	13	4.6
9	3.3	3.7	19	5.9	6.8	7.6	11	7.3	7.9	6.2	5.6	4.6
10	3.3	3.5	7.9	13	6.5	7.0	11	7.0	7.6	6.2	5.4	4.6
11	3.3	3.5	5.9	6.8	6.5	7.6	10	8.2	7.0	6.2	5.1	4.3
12	3.3	3.7	5.7	6.8	6.5	7.6	10	7.0	6.8	6.2	5.1	4.1
13	3.5	4.1	5.4	6.5	6.5	12	11	7.0	14	12	5.1	7.0
14	3.5	6.8	5.4	13	6.2	8.7	10	7.3	28	10	4.8	5.9
15	3.5	3.9	5.1	7.9	6.2	11	10	7.3	10	9.4	4.8	3.5
16	3.7	3.7	4.8	6.8	6.2	9.2	10	7.3	8.5	7.3	4.8	3.3
17	18	3.7	17	6.8	6.8	7.9	10	14	8.2	6.8	6.9	3.5
18	5.1	3.7	11	6.5	7.0	7.6	9.7	7.3	7.6	6.5	5.1	3.3
19	4.3	3.7	6.8	11	7.6	7.6	9.7	7.0	7.6	6.5	4.8	3.3
20	3.9	3.7	6.8	8.9	7.9	10	10	7.0	13	6.2	4.8	3.7
21	3.9	6.2	6.5	9.7	6.8	12	9.7	7.0	18	5.7	4.8	4.1
22	3.7	5.1	6.5	7.6	6.8	8.8	9.1	7.0	8.8	11	4.8	3.7
23	3.7	3.7	6.8	7.3	6.5	8.2	7.6	7.0	7.9	6.2	4.8	3.5
24	3.7	3.5	6.5	7.0	10	8.2	11	7.0	7.9	5.9	4.6	12
25	3.7	3.5	6.5	7.0	20	9.4	14	7.0	7.9	5.7	5.4	10
26	3.7	3.7	8.2	13	11	9.1	16	7.0	7.6	13	5.4	11
27	3.5	3.7	5.9	8.5	8.5	8.2	15	6.8	7.6	7.3	5.4	9.4
28	3.3	3.3	5.7	7.6	8.2	7.9	11	6.8	7.6	6.2	5.4	9.4
29	3.3	3.3	5.7	7.3	8.2	7.9	11	6.5	7.6	5.9	5.4	6.2
30	3.5	3.1	5.7	10	---	7.9	10	6.2	7.3	5.4	5.1	4.8
31	3.5	3.1	5.4	7.6	---	10	10	6.2	7.3	5.4	5.9	4.6
TOTAL	3.5	---	6.2	7.0	---	8.2	---	7.3	---	5.4	5.1	---
MEAN	125.4	114.6	224.2	245.0	221.8	263.1	332.9	254.0	291.4	218.9	170.0	162.4
MAX	4.05	3.82	7.23	7.90	7.92	8.49	11.1	8.19	9.71	7.06	5.48	5.41
MIN	18	6.8	19	13	20	12	22	14	28	13	13	12
MIN	3.3	3.1	3.7	5.4	6.2	6.8	7.6	6.2	6.5	5.4	4.6	3.3

CAL YR 1974	TOTAL	2150.0	MEAN 5.89	MAX 28	MIN 2.0
WTR YR 1975	TOTAL	2623.7	MEAN 7.19	MAX 28	MIN 3.1

PEAK DISCHARGE (BASE, 40 CFS)

DATE	TIME	G. H.	DISCHARGE
12-08	1445	1.48	45
06-13	1500	1.63	44
06-19	1945	1.64	43

STREAMS ON LONG ISLAND

01308000 SAMPAWAMS CREEK AT BABYLON, N.Y.

LOCATION.--Lat 40°42'15", long 73°18'52", Suffolk County, on left bank at upstream side of John Street Bridge in Babylon, 180 ft (55 m) downstream from Long Island Railroad 0.6 mi (1.0 km) upstream from mouth.

DRAINAGE AREA.--About 23 mi² (60 km²).

PERIOD OF RECORD.--October 1944 to current year (monthly means estimated December 1966 to November 1967).

GAGE.--Water-stage recorder and concrete control. Datum of gage is 6.36 ft (1.939 m) above mean sea level. October 1944 to December 1966, water-stage recorder at site 100 ft (30 m) east and 0.34 ft (0.104 m) higher.

AVERAGE DISCHARGE.--31 years, 9.53 ft³/s (0.270 m³/s).

EXTREMES.--Current year: Maximum discharge, 62 ft³/s (1.76 m³/s) June 12 (gage height, 2.02 ft or 0.616 m), from floodmark; minimum, 5.2 ft³/s (0.15 m³/s) Oct. 8-12 (gage height, 0.25 ft or 0.076 m).

Period of record: Maximum discharge, 136 ft³/s (3.85 m³/s) Sept. 12, 1960 (gage height, 2.11 ft (0.643 m), datum then in use); maximum gage height 3.28 ft (1.000 m) Feb. 7, 1971; minimum discharge, 1.6 ft³/s (0.045 m³/s) June 22, 1963 (gage height, 0.13 ft (0.040 m), datum then in use).

REMARKS.--Records good except those from July to September, which are poor. Flow regulated slightly by pumping operations at railroad and occasionally by ponds above station. Indeterminate effect caused by ground-water pumpage for water-supply purposes at Smith Street substation 0.2 mi (0.3 km) northwest of gage. Prior to November 1950, slight diurnal fluctuation caused by power operations. Water quality records for the current year are published in Section 2 of this report.

REVISIONS (WATER YEARS).--WSP 1141: Drainage area: WSP 1702: 1955(M), 1956(M). WRD NY 1974: 1970(P).

DISCHARGE IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.8	5.8	11	17	16	15	17	17	20	20	11	18
2	5.8	6.1	19	15	15	15	16	16	15	21	11	18
3	5.5	6.5	11	14	15	16	28	16	16	22	11	17
4	5.5	6.5	11	14	15	17	20	20	15	23	9.8	17
5	5.5	6.5	11	11	18	17	17	24	14	23	10	15
6	5.5	6.8	11	14	17	17	15	18	28	23	11	11
7	5.5	9.5	11	16	15	16	16	21	17	23	14	9.8
8	5.2	8.7	16	14	13	13	16	16	15	24	11	10
9	5.2	8.3	11	18	13	13	16	15	15	25	11	9.8
10	5.2	7.9	11	15	13	14	16	11	14	24	11	10
11	5.2	9.1	11	14	14	14	16	9.5	15	24	11	10
12	5.5	11	11	13	14	19	16	14	30	28	10	18
13	5.5	11	12	17	13	18	16	15	30	29	10	11
14	5.8	11	12	12	13	17	16	13	21	30	10	8.7
15	6.1	12	13	11	13	15	16	14	18	28	8.7	11
16	17	13	24	11	14	14	16	19	19	25	12	10
17	7.6	12	18	10	14	14	16	17	20	24	10	11
18	6.8	12	16	12	15	16	15	16	18	22	12	11
19	6.8	12	15	12	15	19	15	18	19	18	15	12
20	6.5	13	14	15	13	22	15	16	19	18	18	12
21	6.1	12	14	13	13	19	15	15	18	23	17	9.1
22	6.1	11	14	13	15	19	14	15	18	18	15	14
23	6.1	11	14	13	19	18	16	14	17	18	10	23
24	6.1	11	15	13	26	19	25	13	18	18	10	20
25	6.1	11	16	18	18	18	24	13	18	24	18	25
26	6.1	11	15	15	16	18	22	14	18	19	19	26
27	6.1	11	15	14	16	17	20	14	20	18	19	29
28	6.1	11	15	14	16	16	18	14	21	18	18	25
29	6.1	11	13	16	---	15	18	14	20	17	19	25
30	6.1	11	12	14	---	15	18	14	20	16	19	24
31	6.1	---	16	15	---	17	---	15	---	15	18	---
TOTAL	194.6	299.7	428	433	427	512	524	480.5	566	678	409.5	470.4
MEAN	6.28	9.99	13.8	14.0	15.3	16.5	17.5	15.5	18.9	21.9	17.2	15.7
MAX	17	13	24	18	26	22	28	24	30	30	19	26
MIN	5.2	5.8	11	10	13	13	14	9.5	14	15	8.7	8.7
CAL YR 1974 TOTAL	3463.4			MEAN 9.49	MAX 24	MIN 2.8						
WTR YR 1975 TOTAL	5422.7			MEAN 14.9	MAX 30	MIN 5.2						

PEAK DISCHARGE (BASE, 55 CFS)

DATE	TIME	G. H.	DISCHARGE
06-12	2045	2.02	62

STREAMS ON LONG ISLAND

01308500 CARLLS RIVER AT BABYLON, N.Y.

LOCATION.--Lat 40°42'31", long 73°19'44", Suffolk County, on left bank in Babylon, 130 ft (40 m) downstream from outlet of Southards Pond and 0.9 mi (1.4 km) upstream from mouth.

DRAINAGE AREA.--About 35 mi² (91 km²).

PERIOD OF RECORD.--October 1944 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 10.63 ft (3.240 m) above mean sea level.

AVERAGE DISCHARGE.--31 years, 26.0 ft³/s (0.736 m³/s).

EXTREMES.--Current year: Maximum discharge, 171 ft³/s (4.84 m³/s) June 13 (gage height 1.85 ft or 0.564 m); minimum, 9.4 ft³/s (0.27 m³/s) Sept. 5, 6, 9, 10 (gage height, 0.41 ft or 0.125 m), result of regulation.

Period of record: Maximum discharge, 193 ft³/s (5.47 m³/s) June 23, 1967 (gage height 1.99 ft or 0.607 m); minimum, 0.05 ft³/s (0.001 m³/s) Sept. 4, 1963, July 6, 1966, Aug. 29, 1972 (result of regulation); minimum gage height, 0.03 ft (0.009 m), July 6, 1966, Aug. 29, 1972 (result of regulation); minimum daily discharge, 4.5 ft³/s (0.13 m³/s) July 6, 1966.

REMARKS.--Records good. Occasional regulation at outlet of Southards Pond. Water quality records for the current year are published in Section 2 of this report.

REVISIONS.--WSP 1141: Drainage area. WRD NY 1972: 1947(m), 1952(m), 1954(m), 1958(m), 1960-63(m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	15	14	28	28	32	32	34	42	29	25	12
2	10	15	45	22	26	31	28	33	36	26	22	12
3	15	15	30	20	25	30	59	32	29	22	22	11
4	15	15	23	19	25	28	52	35	33	20	21	11
5	14	15	19	19	30	28	36	64	29	20	22	9.9
6	12	15	19	19	31	28	33	42	79	21	24	9.9
7	14	15	19	28	31	27	29	57	47	24	35	10
8	10	14	31	23	30	27	30	44	33	23	27	10
9	12	14	39	39	28	24	33	41	34	24	24	9.9
10	15	14	27	31	27	24	32	40	32	24	23	9.4
11	15	14	22	26	25	25	30	37	29	24	23	9.9
12	14	15	21	25	25	29	31	35	60	36	25	17
13	14	23	20	36	28	36	30	42	121	45	24	26
14	14	17	19	38	28	31	29	37	53	62	24	16
15	14	16	19	28	26	36	29	33	45	51	22	15
16	42	15	42	27	27	28	29	46	42	35	23	17
17	38	15	63	25	28	26	29	38	45	39	23	15
18	23	14	32	30	32	25	29	32	41	34	22	14
19	19	14	27	38	31	28	29	32	44	34	20	16
20	18	16	25	40	29	48	28	31	54	34	18	17
21	17	23	24	30	28	37	27	30	40	53	17	16
22	17	18	23	28	25	33	26	29	40	36	17	15
23	17	16	22	28	32	32	29	28	37	30	17	34
24	16	15	22	26	63	32	40	28	39	29	17	48
25	16	15	25	38	53	36	49	51	34	50	21	50
26	16	16	23	41	38	31	51	37	31	42	17	52
27	16	15	21	31	33	29	39	35	31	32	15	40
28	15	15	20	28	32	32	35	32	30	30	14	25
29	15	14	20	36	---	33	33	29	30	28	14	23
30	15	14	20	31	---	36	36	28	33	28	16	22
31	16	---	20	28	---	34	---	29	---	26	13	---
TOTAL	533	467	796	906	864	956	1022	1141	1273	1011	647	593.0
MEAN	17.2	15.0	25.7	29.2	30.9	30.8	34.1	36.8	42.4	32.6	20.9	19.8
MAX	42	23	63	41	63	48	59	64	121	62	35	52
MIN	12	14	14	19	25	24	26	28	29	20	13	9.4

CAL YR 1974 TOTAL 8705.4 MEAN 23.9 MAX 75 MIN 9.4
WTR YR 1975 TOTAL 10209.0 MEAN 28.0 MAX 121 MIN 9.4

01309500 MASSAPEQUA CREEK AT MASSAPEQUA, N.Y.

LOCATION.--Lat 40°41'20", long 73°27'19", Nassau County, on left bank 350 ft (107 m) west of Garfield Street at Lake Shore Drive, Massapequa, 0.2 mi (0.3 km) north of Massapequa Park, and 3,000 ft (914 m) upstream from Clark Avenue Bridge and head of Massapequa Pond of Brooklyn water-supply system.

DRAINAGE AREA.--About 38 mi² (98 km²).

PERIOD OF RECORD.--June to October 1903, December 1936 to current year (monthly means estimated December 1959 to February 1961). Published as Massatayun Creek at Massapequa December 1936 to September 1941.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 18.31 ft (5.581 m) above mean sea level, adjustment of 1912. Prior to October 1903, staff gage at different datum. December 1936 to March 1961 at same site at datum 1.0 ft (0.30 m) higher.

AVERAGE DISCHARGE.--38 years (1937-75), 11.3 ft³/s (0.320 m³/s).

EXTREMES.--Current year: Maximum discharge, 250 ft³/s (7.08 m³/s) June 12 (gage height, 1.91 ft or 0.582 m); minimum, 3.1 ft³/s (0.088 m³/s) Nov. 29, 30, Dec. 1; minimum gage height, 0.68 ft (0.207 m) Oct. 5-16, Nov. 4-12, 29, 30, Dec. 1.

Period of record: Maximum discharge, 387 ft³/s (11.0 m³/s) July 20, 1961 (gage height, 2.28 ft or 0.695 m); minimum, 0.95 ft³/s (0.027 m³/s) Aug. 4, 1963, Nov. 2, 1965; minimum gage height, 0.32 ft (0.098 m), datum then in use, Aug. 1, 1954.

REMARKS.--Records good. Water-quality records for the current year are published in Section 2 of this report.

REVISIONS.--WSP 1141: Drainage area. WRD NY, 1970: 1966-69 (M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.6	4.3	3.7	11	9.5	11	12	12	26	14	11	8.1
2	4.6	4.3	32	7.2	10	10	13	11	10	14	10	8.1
3	4.6	4.3	8.6	6.7	12	12	50	7.2	15	14	9.5	8.1
4	4.3	4.0	7.2	6.7	12	12	19	15	12	11	9.5	8.6
5	4.3	4.0	6.3	6.7	16	12	16	33	12	11	9.5	7.7
6	4.0	4.3	5.8	6.7	11	12	15	15	110	10	14	7.7
7	4.0	4.3	5.8	13	11	12	14	23	22	10	19	7.7
8	4.0	4.0	20	8.1	8.6	12	14	10	16	9.5	11	7.2
9	4.0	4.0	8.6	22	8.6	11	14	9.0	15	10	11	7.2
10	4.0	4.3	6.7	9.5	11	11	14	8.6	14	9.0	9.5	7.2
11	4.0	4.0	6.3	9.5	11	12	14	8.6	12	9.0	10	7.2
12	4.0	4.0	6.3	9.0	11	20	13	8.1	84	36	10	18
13	4.0	9.3	5.8	22	11	14	12	17	57	18	9.5	11
14	3.7	4.3	5.8	13	11	16	12	9.5	28	36	9.5	8.1
15	3.7	4.3	5.8	9.5	7.7	15	12	9.0	24	20	8.6	7.7
16	33	4.0	62	9.0	9.0	12	11	22	22	14	16	7.7
17	8.1	4.0	30	8.6	11	12	10	11	20	14	10	7.7
18	5.8	4.0	11	15	14	11	11	10	19	12	10	7.2
19	5.4	4.0	9.5	13	13	19	11	9.5	22	12	9.5	8.1
20	5.4	6.8	8.6	17	11	24	10	9.0	24	11	8.6	8.6
21	4.9	6.3	8.1	9.5	9.5	15	10	8.6	20	38	8.6	7.7
22	4.9	4.3	7.7	9.5	8.1	15	10	8.1	20	16	8.6	7.7
23	4.9	4.0	7.7	9.0	15	14	10	8.1	19	13	8.1	29
24	4.6	3.7	7.7	8.6	43	19	16	8.1	18	12	14	20
25	4.6	3.7	9.0	21	19	17	20	40	19	49	22	24
26	4.6	4.0	7.7	14	15	14	19	10	17	20	11	24
27	4.6	3.7	7.2	11	13	14	12	9.5	17	15	9.5	18
28	4.6	3.7	7.2	11	13	14	14	9.0	16	14	9.0	12
29	4.6	3.4	6.7	18	---	12	13	8.6	16	12	8.6	11
30	4.6	3.1	6.7	14	---	17	12	8.6	16	12	11	10
31	4.6	---	6.7	14	---	13	---	8.6	---	11	8.6	---
TOTAL	171.0	130.4	338.2	362.8	355.0	434	433	384.7	742	506.5	334.7	332.3
MEAN	5.52	4.35	10.9	11.7	12.7	14.0	14.4	12.4	24.7	16.3	10.8	11.1
MAX	33	9.3	62	22	43	24	50	40	110	49	22	29
MIN	3.7	3.1	3.7	6.7	7.7	10	10	7.2	10	9.0	8.1	7.2

CAL YR 1974 TOTAL 3083.0 MEAN 8.45 MAX 66 MIN 3.1
WTR YR 1975 TOTAL 4524.6 MEAN 12.4 MAX 110 MIN 3.1

PEAK DISCHARGE (BASE, 110 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-16	2100	1.59	134	06-06	0230	1.90	245
02-24	0645	1.51	112	06-06	1600	1.69	166
04-03	1400	1.62	143	06-12	2130	1.91	250
05-25	0245	1.64	150	07-25	0415	1.70	169

01310000 BELLMORE CREEK AT BELLMORE, N.Y.

LOCATION.--Lat 40°40'43", long 73°30'58", Nassau County, on right bank 40 ft (12 m) east of intersection of Valentine Place and Mill Road, in Bellmore, 0.5 mi (0.8 km) north of Sunrise Highway, and 0.5 mi (0.8 km) northwest of Wantagh.

DRAINAGE AREA.--About 17 mi² (44 km²).

PERIOD OF RECORD.--June to October 1883 (fragmentary), July to October 1903, published in Professional Paper 44, September 1937 to current year. Prior to October 1957, published as Wantagh Stream at Wantagh. October 1957 to October 1967, published as Wantagh Stream at Bellmore.

GAGE.--Base gage (01309950): Water-stage recorder. Concrete control since July 24, 1974. Datum of gage is 15.00 ft (4.572 m) above mean sea level, adjustment of 1912. June to October 1883, determination of flow by various methods at different site and datum. July to October 1903, nonrecording gages on two channels near present site at different datum. Sept. 23, 1937, to Aug. 1, 1958, water-stage recorder with concrete control on right bank of present secondary channel about 1,000 ft (305 m) east at datum 1.88 ft (0.573 m) higher (used as supplementary gage since Aug. 1, 1958).

Auxiliary gage: Since Aug. 1, 1958, water-stage recorder on right bank of main channel 500 ft (152 m) upstream at datum 15.00 ft (4.572 m) above mean sea level.

Supplementary gage (01309990): Water-stage recorder with concrete control on right bank of secondary channel about 1,000 ft (305 m) east of base gage at datum 16.88 ft (5.145 m) above mean sea level. Prior to July 28, 1965, at datum 2.00 ft (0.610 m) higher. From July 28, 1965 to Oct. 6, 1965, at datum 1.00 ft (0.305 m) higher.

AVERAGE DISCHARGE.--38 years (1937-75), 10.5 ft³/s (0.297 m³/s).

EXTREMES.--Current year: Maximum daily discharge, 80 ft³/s (2.27 m³/s) June 6; minimum daily, 3.8 ft³/s (0.108 m³/s) Dec. 13. 1903 and since 1937: Maximum daily discharge, 162 ft³/s (4.59 m³/s) Sept. 12, 1960; maximum discharge prior to beginning of diversion in November 1955, 340 ft³/s (9.63 m³/s) June 1, 1952 (adjusted to include flow bypassing station); maximum gage height, 4.57 ft (1.393 m) June 1, 1952; minimum daily discharge, 1.1 ft³/s (0.031 m³/s) Feb. 6-9, 1966.

REMARKS.--Records good. Prior to Nov. 4, 1955, flow at all stages regulated intermittently at outlet of Wantagh Reservoir, 1.0 mi (1.6 km) above station, and prior to November 1953 by Browning Pond, 0.5 mi (0.8 km) above station. Subsequent to Nov. 3, 1955, permanent diversion of a substantial portion of the flow through west branch of Bellmore Creek. Discharge figures given are those of combined flows in main and secondary channels. Discharge during the months of October through January was affected by dewatering activities connected with sewer construction primarily in supplementary gage (01309990) drainage basin. Water quality records for flows in the main channel (01309950) and the secondary channel (01309990) for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.8	9.8	6.8	12	8.4	11	10	9.5	29	11	20	18
2	7.2	7.8	34	7.1	8.3	11	9.9	10	10	11	19	18
3	8.1	7.4	11	7.2	8.3	10	41	9.2	17	11	18	14
4	8.7	6.5	9.5	7.0	7.9	10	14	25	11	11	17	12
5	10	6.9	9.1	6.6	13	9.9	12	24	14	10	19	9.7
6	9.6	6.9	6.5	6.2	10	9.8	12	16	80	9.9	21	10
7	9.4	8.8	5.7	14	9.5	10	12	19	19	12	20	9.7
8	10	12	17	5.8	8.2	10	12	12	15	9.7	18	9.5
9	9.2	8.8	7.3	21	8.2	9.4	12	12	14	9.5	16	9.2
10	8.9	5.7	6.8	7.0	8.4	9.9	12	11	14	9.4	18	8.1
11	8.9	5.7	6.8	7.4	9.0	9.6	11	11	13	9.1	18	7.6
12	8.3	6.1	5.7	7.6	10	19	11	10	69	37	18	18
13	8.0	10	3.8	21	8.8	12	11	24	33	16	18	9.8
14	9.2	4.7	4.3	8.7	8.4	14	10	14	21	35	16	7.1
15	9.2	7.4	5.3	7.3	7.3	12	11	11	20	25	14	7.6
16	33	7.4	59	7.1	8.4	10	11	23	18	21	21	6.5
17	11	6.9	12	6.7	9.4	10	10	12	18	20	15	5.3
18	8.9	7.4	7.1	15	12	9.6	10	11	16	19	14	5.2
19	7.3	7.4	7.2	14	11	18	10	11	19	18	14	5.8
20	7.8	23	9.1	16	9.1	20	9.5	10	18	17	16	6.3
21	8.1	26	9.5	12	9.0	12	9.3	10	15	52	15	5.2
22	6.6	12	9.1	12	7.5	11	10	9.8	14	21	16	5.6
23	7.5	11	8.6	13	15	11	9.3	9.6	14	20	15	21
24	6.9	9.8	9.0	13	39	16	18	9.5	20	21	34	16
25	6.9	9.4	11	27	14	13	21	28	14	36	43	20
26	6.5	10	8.7	13	12	11	19	11	13	25	22	16
27	6.1	8.3	9.1	8.6	10	11	11	12	13	22	21	12
28	6.9	7.1	8.9	8.2	11	11	10	12	12	22	21	8.8
29	9.3	6.7	8.9	16	---	11	9.9	12	12	22	20	9.0
30	7.8	6.3	8.9	8.7	---	15	9.4	11	12	21	20	8.3
31	7.4	---	8.3	8.3	---	11	---	9.3	---	20	18	---
TOTAL MEAN	280.5	273.2	334.0	344.5	301.1	368.2	378.3	418.9	607	603.6	595	319.3
MAX	9.05	9.11	10.8	11.1	10.8	11.9	12.6	13.5	20.2	19.5	19.2	10.6
MIN	33	26	59	27	39	20	41	28	80	52	43	21
MIN	6.1	4.7	3.8	5.8	7.3	9.4	9.3	9.2	10	9.1	14	5.2

CAL YR 1974	TOTAL	3635.7	MEAN	9.96	MAX	59	MIN	1.8
WTR YR 1975	TOTAL	4823.6	MEAN	13.2	MAX	80	MIN	3.8

01310500 EAST MEADOW BROOK AT FREEPORT, N.Y.

LOCATION.--Lat 40°39'56", long 73°34'13", Nassau County, on right bank in Freeport, 24 ft (7 m) upstream from bridge on Hempstead-Babylon Turnpike and 400 ft (122 m) west of Meadowbrook Parkway.

DRAINAGE AREA.--About 31 mi² (80 km²).

PERIOD OF RECORD.--October 1851 to December 1852, June to October 1883, September and October 1885 (fragmentary), June to October 1903, published in Professional Paper 44, January 1937 to current year (monthly means estimated November 1962 to December 1963).

GAGE.--Water-stage recorder and concrete control. Datum of gage is 10.48 ft (3.194 m) above mean sea level, adjustment of 1912. Prior to October 1885, determinations of flow by various methods at different site and datum. June to October 1903, weir in swamp at head of Brooklyn waterworks supply pond. January 1937 to November 1962, water-stage recorder and concrete control at site 81 ft (25 m) east and at datum 0.44 ft (0.134 m) higher.

AVERAGE DISCHARGE.--38 years (1937-75), 14.9 ft³/s (0.422 m³/s).

EXTREMES.--Current year: Maximum discharge, 386 ft³/s (10.9 m³/s) July 21 (gage height, 2.41 ft or 0.735 m); minimum, 1.7 ft³/s (0.048 m³/s) Oct. 10-14, (gage height, 0.21 ft or 0.064 m).

1903 and since 1937: Maximum discharge, 835 ft³/s (23.6 m³/s) Sept. 12, 1960 (gage height, 4.38 ft or 1.335 m, datum then in use) from rating curve extended above 280 ft³/s (7.93 m³/s) on basis of flow-through-culvert and contracted-opening measurement of peak flow; no flow Aug. 26, 1971.

REMARKS.--Records good. Water-quality records for the current year are published in Section 2 of this report.

REVISIONS (WATER YEARS).--WRD NY 1972: 1967-71 (P).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.6	2.7	2.4	11	7.3	9.8	8.7	8.7	50	13	12	9.3
2	3.0	2.4	51	4.7	7.3	9.3	9.3	10	12	13	12	9.3
3	2.4	2.7	7.7	4.3	7.3	8.7	76	8.7	20	15	11	8.7
4	2.2	2.7	4.7	4.0	6.8	8.2	17	28	14	13	11	8.7
5	2.2	2.4	3.6	3.6	12	8.2	12	38	18	12	12	8.2
6	2.2	2.2	3.3	3.6	11	8.2	11	15	110	12	12	8.2
7	1.9	2.2	3.0	19	8.7	8.7	10	32	27	25	14	8.2
8	1.9	2.2	21	6.0	7.7	9.8	9.8	12	17	12	11	7.7
9	1.9	2.4	7.3	40	7.3	7.7	9.8	11	14	11	10	7.4
10	1.9	2.2	4.0	8.2	6.8	7.7	9.3	10	12	11	10	7.3
11	1.8	2.2	3.3	8.2	7.3	8.2	9.3	9.8	12	10	9.8	7.3
12	1.8	2.7	3.0	6.8	7.7	27	9.3	9.3	106	61	9.8	32
13	1.8	13	2.7	32	7.3	14	8.7	36	50	32	9.3	15
14	1.9	3.0	2.7	12	6.8	15	8.7	21	21	65	9.8	8.2
15	2.7	2.4	2.7	7.3	6.8	15	8.7	11	18	28	8.2	7.7
16	51	2.4	92	6.4	7.7	9.3	8.7	32	17	17	22	8.2
17	9.3	3.0	25	6.0	9.3	8.7	8.7	12	18	15	11	7.7
18	4.7	2.7	9.8	24	15	8.2	8.2	12	15	14	9.8	7.7
19	3.6	2.4	7.3	14	13	26	8.7	10	23	13	8.7	14
20	3.3	4.3	6.4	22	8.2	36	8.2	9.8	21	13	8.2	11
21	3.0	6.0	5.6	8.2	7.7	13	7.7	9.3	16	100	8.2	9.8
22	2.7	3.0	5.2	7.3	7.3	10	7.3	8.7	15	20	8.2	7.7
23	2.7	2.7	4.7	6.8	21	9.8	7.7	8.7	15	17	7.7	51
24	2.7	2.7	4.7	6.4	58	18	27	10	40	15	28	54
25	2.7	3.0	7.7	29	20	15	28	31	18	48	86	61
26	3.0	3.0	5.6	14	12	9.8	27	11	15	22	15	81
27	3.3	2.4	4.3	7.7	10	8.7	11	9.8	15	15	12	28
28	3.3	2.4	4.3	7.3	9.8	8.7	10	8.7	15	15	9.8	17
29	3.3	2.2	4.0	20	---	9.3	11	8.2	17	14	9.8	16
30	3.6	2.2	4.0	8.7	---	18	9.8	8.2	14	13	15	14
31	3.3	---	4.0	7.3	---	9.3	---	8.7	---	12	9.8	---
TOTAL	138.7	91.8	317.0	365.8	317.1	383.3	406.6	458.6	775	696	431.1	541.3
MEAN	4.47	3.06	10.2	11.8	11.3	12.4	13.6	14.8	25.8	22.5	13.9	18.0
MAX	51	13	92	40	58	36	76	38	110	100	86	81
MIN	1.8	2.2	2.4	3.6	6.8	7.7	7.3	8.2	12	10	7.7	7.3

CAL YR 1974 TOTAL 2981.48 MEAN 8.17 MAX 92 MIN .61
WTR YR 1975 TOTAL 4922.30 MEAN 13.5 MAX 110 MIN 1.8

PEAK DISCHARGE (BASE, 250 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-16	1930	2.35	369	07-21	0430	2.41	386
06-06	1800	2.21	331	08-25	0200	2.17	320
06-12	2100	2.21	331	09-26	1500	1.98	272

01311000 PINES BROOK AT MALVERNE, N.Y.

LOCATION.--Lat 40°39'59", long 73°39'35", Nassau County, on left bank 300 ft (91 m) downstream from Lakeview Avenue and southern boundary of Malverne.

DRAINAGE AREA.--About 10 mi² (26 km²).

PERIOD OF RECORD.--1851-52, 1856-57, 1885, 1894 (fragmentary in Professional Paper 44); December 1936 to current year (monthly means estimated March to September 1970).

GAGE.--Water-stage recorder, with steel plate V-notch weir and concrete controls. Datum of gage is 7.11 ft (2.167 m) above mean sea level, adjustment of 1912 (Nassau County bench mark). Prior to 1894, determinations of flow by various methods, at different sites and datums. December 1936 to Oct. 1, 1970, at site 200 ft (61 m) upstream and at datum 2.31 ft (0.704 m) higher. Oct. 1, 1970 to May 31, 1972 supplementary gage on secondary channel 10 ft (3 m) downstream at same datum.

AVERAGE DISCHARGE.--38 years (1937-75), 4.12 ft³/s (0.117 m³/s).

EXTREMES.--Current year: Maximum discharge, 326 ft³/s (9.23 m³/s) Sept. 26 (gage height, 4.43 ft or 1.350 m); no flow for all or part of many days during year.

Since 1936: Maximum discharge, 346 ft³/s (9.80 m³/s) Sept. 12, 1960 (gage height, 4.51 ft or 1.375 m) from rating extended above 95 ft³/s (2.69 m³/s) on basis of flow-through-culvert measurement of peak flow; no flow part of Sept. 12, 1963, and at times each year since 1964.

REMARKS.--Records fair except those above 30 ft³/s and for period of no gage height record, which are poor. Prior to Feb. 20, 1956, flow occasionally regulated by Pines Pond. Indeterminate diversion from Pines Pond for emergency municipal water supply for City of New York August 1953 to September 1954. Water quality records for the current year are published in Section 2 of this report.

REVISIONS (WATER YEARS).--WSP 1432: 1937, 1940.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	1.8	.39	.57	.58	.52	22	.44	.39	.20
2	0	0	32	.21	.40	.56	.55	.59	.49	.39	.35	.20
3	0	0	.24	.21	.39	.53	31	.52	7.5	.35	.32	.15
4	0	0	.08	.21	.38	.53	1.8	12	.84	.35	.28	.15
5	0	0	.08	.21	1.2	.53	1.4	8.4	5.8	.31	.31	.15
6	0	0	.08	.21	.60	.54	1.2	3.6	53	.31	.28	.15
7	0	0	.08	5.4	.44	.57	.96	8.1	2.7	.31	.29	.18
8	0	0	11	.24	.42	.53	.67	.73	.88	.31	.27	.25
9	0	0	.15	18	.42	.52	.60	.66	.59	.27	.26	.17
10	0	0	.09	.76	.39	.73	.59	.62	.49	.27	.24	.15
11	0	0	.09	1.2	.40	.72	.58	.58	.44	.31	.23	.15
12	0	0	.09	1.2	.44	11	.58	.57	47	20	.21	.15
13	0	5.7	.09	16	.41	.94	.57	13	3.9	2.0	.20	.15
14	0	.02	.09	.94	.41	3.1	.55	1.7	.94	23	.19	.15
15	0	0	.09	.64	.41	1.6	.61	.59	.82	5.0	.18	.17
16	23	0	46	.82	.48	.58	.57	9.3	1.4	1.1	6.7	.17
17	.26	0	.94	1.1	.81	.56	.56	.64	1.2	.64	.30	.19
18	.02	0	.27	13	2.0	.54	.56	.59	.70	.60	.24	.17
19	0	0	.24	5.4	1.3	10	.57	.54	7.7	.48	.20	.23
20	0	.21	.24	5.0	.46	13	.54	.49	1.5	1.0	.18	.21
21	0	.18	.24	.39	.44	.78	.54	.49	.64	31	.16	.20
22	0	.02	.21	.39	.44	.70	.52	.44	.59	.82	.15	.19
23	0	0	.21	.39	5.7	.62	.52	.44	.54	.60	.15	8.0
24	0	0	.21	.35	20	5.3	11	.44	12	.54	6.0	20
25	0	0	.54	10	1.6	1.0	8.9	.39	.94	21	2.2	16
26	0	.04	.31	.88	.63	.62	5.1	.39	.59	1.4	.30	55
27	0	0	.27	.44	.59	.59	.60	.35	.59	.57	.20	4.0
28	0	0	.21	.39	.57	.59	.57	.35	.54	.52	.15	1.0
29	0	0	.21	5.2	---	.61	.54	.31	.59	.48	.15	.88
30	0	0	.24	.43	---	3.4	.52	.31	.49	.44	.27	.82
31	0	---	.39	.39	---	.59	---	.31	---	.41	.23	---
TOTAL	23.28	6.17	94.98	91.80	42.12	62.45	73.85	67.96	177.40	115.22	21.58	109.58
MEAN	.75	.21	3.06	2.96	1.50	2.01	2.46	2.19	5.91	3.72	.70	3.65
MAX	23	5.7	46	18	20	13	31	13	53	31	6.7	55
MIN	0	0	0	.21	.38	.52	.52	.31	.44	.27	.15	.15

CAL YR 1974	TOTAL 500.49	MEAN 1.37	MAX 46	MIN 0
WTR YR 1975	TOTAL 886.39	MEAN 2.43	MAX 55	MIN 0

PEAK DISCHARGE (BASE, 125 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-16	1715	4.02	188	07-21	0115	4.12	218
04-03	1300	3.77	140	07-25	0300	3.95	168
06-06	1645	4.23	263	08-24	2200	4.00	182
06-12	2000	3.93	169	09-26	1200	4.43	326

NOTE.--No gage height record Aug. 21 to Sept. 24.

STREAMS ON LONG ISLAND

01311500 VALLEY STREAM AT VALLEY STREAM, N.Y.

LOCATION.--Lat 40°39'49", long 73°42'18", Nassau County, on right bank 40 ft (12 m) upstream from West Valley Stream Boulevard, at Valley Stream.

DRAINAGE AREA.--About 4.5 mi² (12 km²).

PERIOD OF RECORD.--1851-52, 1854, 1856-57, 1885, 1894 (fragmentary in Professional Paper 44), July 1954 to current year. Prior to October 1956, published as Watts Creek at Valley Stream.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 7.49 ft (2.283 m) above mean sea level. Prior to 1894, determinations of flow by various methods, at different sites and datums. July 1954 to July 16, 1964 at same site at datum 1.0 ft (0.30 m) higher.

AVERAGE DISCHARGE.--21 years (1954-75), 2.95 ft³/s (0.0835 m³/s).

EXTREMES.--Current year: Maximum discharge, 125 ft³/s (3.54 m³/s) Sept. 26 (gage height, 3.40 ft or 1.036 m); no flow for all or part of many days during year.

Since 1954: Maximum discharge, 232 ft³/s (6.57 m³/s) Sept. 12, 1960 (gage height, 5.50 ft or 1.676 m, from floodmarks); no flow at times each year since 1963.

REMARKS.--Records good except those above 50 ft³/s (1.42 m³/s), which are fair. Flow regulated occasionally by cleaning operations at outlet of Valley Stream Pond above station. Water quality records for the current year are published in Section 2 of this report.

REVISIONS (WATER YEARS).--WRD NY 1971: 1962-63(M), 1966-69(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0		0	0	0	0	.01	0	12	0	.45	.05
2	0		14	0	0	0	0	0	.85	0	.37	.06
3	0		.09	0	0	0	18	0	.90	.05	.34	.03
4	0		0	0	0	0	1.3	3.8	.25	0	.31	0
5	0		0	0	0	0	.04	6.5	.60	0	.31	0
6	0		0	0	0	0	0	1.2	32	0	.12	0
7	0		0	0	0	0	0	6.0	5.0	0	.28	.07
8	0		1.6	0	0	0	0	.46	.25	0	.08	1.0
9	0		.33	7.3	0	0	0	.17	.05	0	.02	.22
10	0		0	.17	0	0	0	.02	0	0	.09	0
11	0		0	0	0	0	0	0	0	0	.08	0
12	0		0	0	0	2.6	0	0	30	6.0	.08	3.7
13	0		0	4.7	0	1.6	0	7.9	8.1	20	.05	2.1
14	0		0	1.6	0	.23	0	3.7	.59	20	.02	.18
15	0		0	0	0	.92	0	.36	.29	7.3	.35	.01
16	8.1		25	0	0	.02	0	5.1	.35	1.3	2.4	0
17	.44		4.2	0	0	0	0	.59	.42	.63	.66	0
18	0		.01	2.0	0	0	0	.23	.35	.51	.26	0
19	0		0	2.1	0	5.9	0	.18	2.3	.47	.10	.20
20	0		0	2.9	0	12	0	.14	3.0	.62	.08	.28
21	0		0	0	0	.18	0	.07	.35	19	.02	.55
22	0		0	0	0	0	0	0	.18	.92	.02	.30
23	0		0	0	.50	0	0	0	.18	.46	0	8.6
24	0		0	0	12	.61	.17	0	5.5	.42	6.3	18
25	0		0	2.6	1.6	.85	3.3	0	2.0	15	21	19
26	0		0	1.1	.02	.02	4.5	0	.36	2.1	.84	4.0
27	0		0	0	0	0	.09	0	.23	.56	.45	6.0
28	0		0	0	0	0	.01	0	.17	.51	.17	.70
29	0		0	2.2	---	0	0	0	.78	.43	.16	.50
30	0		0	.09	---	.30	0	0	.27	.40	.34	.40
31	0	---	0	0	---	.14	---	0	---	.45	.21	---
TOTAL	8.54	0	45.23	26.76	14.12	25.37	27.42	36.42	107.32	97.13	35.96	101.95
MEAN	.28	0	1.46	.86	.50	.82	.91	1.17	3.58	3.13	1.16	3.40
MAX	8.1	0	25	7.3	12	12	18	7.9	32	20	21	4.0
MIN	0	0	0	0	0	0	0	0	0	0	0	0

CAL YR 1974 TOTAL 181.78 MEAN .50 MAX 25 MIN 0
WTR YR 1975 TOTAL 526.22 MEAN 1.44 MAX 40 MIN 0

HUDSON RIVER BASIN

01312000 HUDSON RIVER NEAR NEWCOMB, N.Y.

LOCATION.--Lat 43°58'00", long 74°07'55", Essex County, on right bank 30 ft (9 m) downstream from bridge on State Highway 28N, 0.5 mi (0.8 km) downstream from outlet of Harris Lake, 2 mi (3 km) east of Newcomb, and 4 mi (6 km) upstream from Wolf Creek.

DRAINAGE AREA.--192 mi² (497 km²).

PERIOD OF RECORD.--September 1925 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,550.38 ft (472.556 m) above mean sea level. Prior to Aug. 6, 1931 nonrecording gage at site 125 ft (38 m) downstream at same datum. Aug. 6, 1931, to Nov. 4, 1960, water-stage recorder on left bank at same site and datum.

AVERAGE DISCHARGE.--50 years, 388 ft³/s (10.99 m³/s) (27.44 in/yr or 697.0 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,380 ft³/s (67.4 m³/s) Apr. 26 (gage height, 5.82 ft or 1.774 m); minimum, 49 ft³/s (1.39 m³/s) July 27, Aug. 23, 24; minimum gage height, 0.95 ft (0.290 m) July 20.

Period of record: Maximum discharge, 7,440 ft³/s (211 m³/s) Jan. 1, 1949 (gage height, 11.40 ft or 3.475 m); minimum, 11 ft³/s (0.31 m³/s) Sept. 3, 1934.

REMARKS.--Records fair. Flow slightly regulated by small reservoirs above station.

REVISIONS (WATER YEARS).--WSP 696: 1928(M). WSP 711: 1930(m).

DISCHARGE, IN CUBIC FEET PER SECOND. WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	242	107	354	146	217	460	312	1670	310	98	120	245
2	235	114	326	142	201	391	274	1990	430	90	102	215
3	223	122	322	133	184	336	268	2060	500	91	90	284
4	204	133	290	136	169	290	265	2100	460	87	96	340
5	180	165	245	131	162	254	268	2230	400	80	178	284
6	164	251	235	125	160	227	260	2290	360	74	175	230
7	156	299	217	125	150	213	235	2090	500	69	142	196
8	148	287	274	124	150	208	217	1890	600	66	156	171
9	133	257	1010	124	140	208	201	1770	700	66	182	152
10	122	227	1780	122	140	189	187	1640	660	78	165	131
11	114	203	1430	125	130	175	180	1500	560	74	140	115
12	107	184	994	158	130	165	175	1420	450	65	125	220
13	104	240	733	210	129	154	175	1350	350	60	115	935
14	103	493	580	227	127	148	171	1310	460	60	106	935
15	128	589	468	213	122	152	175	1200	620	65	96	598
16	216	551	395	198	122	146	191	1180	560	70	87	417
17	245	480	361	184	120	142	225	1250	470	68	80	326
18	232	421	350	175	124	138	319	1090	410	62	74	287
19	225	379	312	170	120	140	534	947	330	59	68	302
20	204	365	284	160	114	201	1480	884	250	55	62	701
21	177	706	260	150	109	448	2020	833	220	68	56	890
22	158	1300	232	150	104	782	1710	862	190	76	54	722
23	144	1050	222	140	102	816	1430	845	170	69	51	538
24	134	777	208	133	114	696	1570	696	160	47	53	421
25	127	722	201	131	178	598	2130	568	144	61	56	425
26	125	901	180	152	309	568	2350	444	127	59	62	1080
27	125	717	175	173	501	538	2040	361	114	52	90	1790
28	117	585	170	180	518	489	1590	330	104	65	124	1500
29	112	518	160	178	---	444	1310	300	102	102	127	1200
30	107	417	158	198	---	402	1310	280	106	146	187	900
31	106	---	148	217	---	354	---	260	---	138	271	---
TOTAL	4917	13560	13074	4930	4846	10472	23572	37640	10817	2320	3490	16550
MEAN	159	452	422	159	173	338	786	1214	361	74.8	113	552
MAX	245	1300	1780	227	518	816	2350	2290	700	146	271	1790
MIN	103	107	148	122	102	138	171	260	102	47	51	115
CFSM	.83	2.35	2.20	.83	.90	1.76	4.09	6.32	1.88	.39	.59	2.88
IN.	.95	2.63	2.53	.96	.94	2.03	4.57	7.29	2.10	.45	.68	3.21
CAL YR 1974	TOTAL	153599	MEAN 421	MAX 2720	MIN 95	CFSM 2.19	IN 29.76					
WTR YR 1975	TOTAL	146188	MEAN 401	MAX 2350	MIN 47	CFSM 2.09	IN 28.32					

PEAK DISCHARGE (BASE, 2,500 CFS).--No peak above base.

HUDSON RIVER BASIN

01314500 INDIAN LAKE NEAR INDIAN LAKE, N.Y.

LOCATION.--Lat 43°45'20", long 74°16'35", Hamilton County, at Indian Lake Dam on Indian River, and 2.0 mi (3.2 km) south of village of Indian Lake.

DRAINAGE AREA.--131 mi² (339 km²).

PERIOD OF RECORD.--July 1900 to current year. Prior to October 1956, published as Indian Lake Reservoir near Indian Lake.

GAGE.--Nonrecording gage read once daily. Datum of gage is 1,617.95 ft (493.151 m) above mean sea level, adjustment of 1912.

EXTREMES.--Current year: Maximum gage height observed, 34.7 ft (10.58 m) Sept. 28 (contents, 4,930 mil ft³ or 140 hm³); minimum observed, 17.2 ft (5.24 m) Apr. 11, 12 (contents, 1,975 mil ft³ or 55.9 hm³).

Period of record: Maximum gage height observed, 32.8 ft (11.83 m) Mar. 28, 1913 (contents, 5,781 mil ft³ or 164 hm³); minimum, -1.10 ft (-0.335 m), estimated, Feb. 13, 1948 (contents, 199 mil ft³ or 5.64 hm³).

REMARKS.--Reservoir is formed by masonry dam, completed in 1898. Usable capacity, about 4,500 mil ft³ (127 hm³) at gage height 33.38 ft (10.174 m) (crest of spillway). Sills of double sluice gates at lowest outlet at gage height -2.41 ft (-0.735 m). Dead storage unknown. Water is used for power development, for improvement of navigation in lower Hudson River, and to compensate for flow diverted from Hudson River at Glens Falls into Champlain (Barge) Canal.

COOPERATION.--Gage height record furnished by Indian River Co.

Capacity table, current water year
(gage height, in feet and capacity, in billions of cubic feet)

17.0	1.945	25.0	3.206
18.0	2.096	30.0	4.053
20.0	2.403	35.5	5.091

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
INSTANTANEOUS OBSERVATIONS AT 0630

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31.10	30.30	28.30	23.60	21.00	19.60	18.50	26.50	33.80	33.20	33.40	33.30
2	31.20	30.00	28.00	23.40	20.80	19.60	18.30	27.20	33.80	33.20	33.40	33.30
3	31.30	29.80	27.90	23.20	20.60	19.60	18.20	27.80	33.80	33.20	33.40	33.30
4	31.40	29.60	27.70	23.00	20.50	19.60	18.30	28.30	33.80	33.20	33.40	33.30
5	31.10	29.50	27.50	22.80	20.50	19.50	18.10	29.00	33.80	33.20	33.40	33.30
6	30.90	29.50	27.20	22.60	20.40	19.50	18.10	29.80	33.90	33.20	33.40	33.30
7	31.00	29.50	26.90	22.50	20.40	19.40	17.90	30.40	34.10	33.20	33.40	33.30
8	31.00	29.40	26.80	22.40	20.30	19.40	17.70	31.00	34.10	33.20	33.40	33.30
9	31.00	29.20	27.00	22.40	20.20	19.20	17.50	31.40	34.20	33.10	33.40	33.30
10	31.00	29.00	27.50	22.40	20.10	19.00	17.40	31.80	34.20	33.10	33.40	33.30
11	31.00	28.80	27.70	22.40	20.00	18.90	17.20	32.20	34.10	33.10	33.40	33.30
12	30.80	28.70	27.50	22.40	20.00	18.70	17.20	32.50	34.10	33.10	33.30	33.50
13	30.50	28.80	27.50	22.30	19.90	18.60	17.30	32.80	34.10	33.10	33.20	33.70
14	30.50	29.10	27.30	22.30	19.80	18.40	17.40	33.00	34.20	33.10	33.20	33.70
15	30.60	29.20	27.20	22.30	19.70	18.20	17.50	33.30	34.20	33.20	33.10	33.60
16	30.70	29.20	27.00	22.30	19.60	18.10	17.60	33.50	34.20	33.20	33.10	33.60
17	30.80	29.00	26.80	22.30	19.50	17.90	17.70	33.80	34.20	33.20	33.10	33.50
18	30.90	29.00	26.60	22.20	19.50	17.70	18.00	33.80	34.10	33.20	33.10	33.50
19	30.60	28.90	26.40	22.20	19.40	17.60	18.40	33.80	34.00	33.20	33.10	33.40
20	30.40	28.80	26.30	22.20	19.30	17.60	19.40	33.80	34.00	33.20	33.10	33.50
21	30.50	29.00	26.10	22.10	19.20	17.90	20.00	33.80	33.90	33.20	33.10	33.60
22	30.50	29.30	25.90	22.00	19.10	18.20	20.50	33.90	33.80	33.30	33.10	33.60
23	30.60	29.40	25.70	21.90	19.00	18.30	21.00	33.90	33.70	33.30	33.00	33.60
24	30.60	29.40	25.40	21.80	18.90	18.40	21.60	33.90	33.60	33.40	33.00	33.50
25	30.60	29.20	25.20	21.80	19.00	18.50	22.60	33.90	33.50	33.40	33.00	33.40
26	30.40	29.10	25.00	21.80	19.20	18.60	23.60	33.80	33.50	33.40	33.00	34.20
27	30.10	29.00	24.80	21.80	19.50	18.60	24.40	33.80	33.40	33.40	33.00	34.60
28	30.10	28.90	24.60	21.70	19.50	18.70	24.90	33.70	33.30	33.40	33.10	34.70
29	30.10	28.70	24.30	21.50	---	18.70	25.40	33.70	33.20	33.40	33.10	34.50
30	30.20	28.50	24.10	21.40	---	18.60	25.90	33.60	33.10	33.40	33.20	34.20
31	30.20	---	23.90	21.30	---	18.50	---	33.70	---	33.40	33.30	---
MEAN	30.70	29.19	26.45	22.27	19.82	18.68	19.59	32.17	33.86	33.24	33.22	33.61
MAX	31.40	30.30	28.30	23.60	21.00	19.60	25.90	33.90	34.20	33.40	33.40	34.70
MIN	30.10	28.50	23.90	21.30	18.90	17.60	17.20	26.50	33.10	33.10	33.00	33.30
([†])	4.105	3.778	2.993	2.576	2.342	2.173	3.423	4.751	4.633	4.672	4.653	4.770
([‡])	-45.5	-126	-293	-156	-96.7	-63.1	+482	+496	-45.5	+14.5	-7.10	+45.1
CAL YR 1974	MEAN	28.26	MAX	34.50	MIN	16.50	*	-41.3				
WTR YR 1975	MEAN	27.78	MAX	34.70	MIN	17.20	*	+17.2				

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

HUDSON RIVER BASIN

01315000 INDIAN RIVER NEAR INDIAN LAKE, N.Y.

LOCATION.--Lat 43°45'30", long 74°16'05', Hamilton County, on right bank 0.8 mi (1.3 km) downstream from Indian Lake Dam, 1.0 mi (1.6 km) upstream from Big Brook, and 2.0 mi (3.2 km) south of village of Indian Lake.

DRAINAGE AREA.--132 mi² (342 km²).

PERIOD OF RECORD.--July 1912 to June 1914, June 1915 to current year. Monthly discharge only for some periods published in WSP 1302.

GAGE.--Water-stage recorder. Datum of gage is 1,604.23 ft (488.969 m) above mean sea level. Prior to Aug. 30, 1916, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--61 years (1912-13, 1915-75) 289 ft³/s (8.184 m³/s) (unadjusted).

EXTREMES.--Current year: Maximum discharge recorded, 1,260 ft³/s (35.7 m³/s) Sept. 28 (gage height, 4.47 ft or 1.362 m); minimum, 9.0 ft³/s (0.25 m³/s) Apr. 13, 14 (gage height, 0.48 ft or 0.146 m).

Period of record: Maximum discharge, 3,460 ft³/s (98.0 m³/s) Mar. 28, 1913 (gage height, 7.8 ft or 2.38 m); minimum, less than 1 ft³/s (0.028 m³/s) frequently, when entire flow of river is being stored in Indian Lake.

REMARKS.--Records fair. Flow regulated by Indian Lake (see station 01314500).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	11	431	660	599	689	272	449	13	245	14	13	13
3	11	684	660	560	684	272	449	68	248	14	13	13
4	11	549	668	519	591	272	451	331	248	14	14	18
5	474	470	664	519	278	272	448	186	246	13	14	40
	705	470	664	515	278	272	447	12	252	13	14	40
6												
7	287	467	656	445	278	269	445	12	267	13	32	41
8	12	467	656	249	278	318	443	11	287	93	112	40
9	12	599	664	246	278	463	441	11	301	267	112	41
10	12	680	664	249	278	463	439	10	303	53	111	40
	12	540	664	246	275	460	437	10	297	14	111	40
11												
12	442	460	660	249	275	460	338	10	286	14	111	40
13	697	460	660	249	275	456	10	10	284	14	111	102
14	269	480	660	249	275	452	9.6	10	291	14	111	268
15	13	480	660	246	272	452	9.7	10	286	14	111	266
	14	560	660	246	272	449	10	9.9	312	14	50	258
16												
17	13	660	660	246	272	449	11	13	331	14	12	250
18	13	540	660	246	269	445	13	147	321	14	12	242
19	442	460	640	246	269	442	14	247	313	14	12	238
20	693	460	640	246	269	442	22	246	300	14	12	245
	287	460	639	246	269	449	19	250	351	14	12	250
21												
22	14	480	635	246	269	449	15	249	280	14	12	256
23	14	560	631	243	266	449	14	248	273	14	19	286
24	14	660	627	243	266	452	15	253	265	14	108	364
25	14	660	623	243	269	452	19	265	257	14	109	358
	511	660	623	243	272	456	17	262	248	15	52	383
26												
27	693	680	619	246	269	456	15	251	245	14	13	696
28	284	680	615	321	269	456	13	245	243	15	13	1,150
29	10	680	611	568	272	456	13	241	244	14	13	1,230
30	10	660	611	603	-----	456	13	240	243	14	13	1,150
31	10	660	607	697	-----	452	13	242	141	14	14	1,070
	10	-----	603	693	-----	452	-----	243	-----	14	13	-----
TOTAL												
MEAN	6,014	16,757	19,964	10,962	8,776	12,815	5,052.3	4,355.9	8,208	804	1,479	9,428
MAX	194	559	644	354	313	413	168	141	274	25.9	47.7	314
MIN	705	684	668	697	689	463	451	331	351	267	112	1,230
	10	431	603	243	266	269	9.6	9.9	141	13	12	13
CAL YR 1974	TOTAL	133,822.7	MEAN	367	MAX	940	MIN	9.1				
WTR YR 1975	TOTAL	104,615.2	MEAN	287	MAX	1,230	MIN	9.6				

HUDSON RIVER BASIN

01315500 HUDSON RIVER AT NORTH CREEK, N.Y.

LOCATION.--Lat 43°42'03", long 73°59'02", Warren County, on left bank 125 ft (38 m) upstream from bridge on State Highway 28N in village of North Creek, 500 ft (152 m) upstream from North Creek, and 26 mi (42 km) downstream from Indian Lake.

DRAINAGE AREA.--792 mi² (2,051 km²).

PERIOD OF RECORD.--September 1907 to current year .

GAGE.--Water-stage recorder. Datum of gage is 987.51 ft (300.993 m) above mean sea level. Prior to Oct. 15, 1930, nonrecording gages at sites 80 ft (24 m) and 125 ft (38 m) downstream at same datum.

AVERAGE DISCHARGE.--68 years, 1,532 ft³/s (43.39 m³/s).

EXTREMES.--Current year: Maximum discharge, 8,550 ft³/s (242 m³/s) Dec. 9 (gage height, 7.44 ft or 2.268 m); minimum, 160 ft³/s (4.53 m³/s) Aug. 23, 24 (gage height, 2.06 ft or 0.628 m); minimum daily, 163 ft³/s (4.62 m³/s) Aug. 23.

Period of record: Maximum discharge, 28,900 ft³/s (818 m³/s) Dec. 31, 1948 (gage height, 12.14 ft or 3.700 m); minimum, 112 ft³/s (3.17 m³/s) July 26, 1934 (gage height, 1.96 ft or 0.597 m); minimum daily, 114 ft³/s (3.23 m³/s) July 26, 1934.

REMARKS.--Records good except those for winter periods, which are fair. Appreciable regulation by Indian Lake (see station 01314500) and other reservoirs above station.

REVISIONS (WATER YEARS).--WSP 621: Drainage area. WSP 1432: 1908-18, 1920, 1922.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	822	384	1,940	1,200	1,760	1,890	1,670	5,830	1,700	335	285	587
2	747	1,030	1,800	1,200	1,620	1,640	1,580	6,570	1,790	293	261	504
3	668	923	1,670	1,100	1,500	1,480	1,560	6,400	1,590	276	237	500
4	733	782	1,580	1,100	1,110	1,340	1,590	6,590	1,450	268	250	554
5	1,290	1,010	1,440	1,090	672	1,250	1,570	7,210	1,360	249	336	545
6	969	1,460	1,480	1,020	998	1,170	1,470	6,880	1,490	232	362	482
7	496	1,750	1,460	816	1,000	1,100	1,360	5,860	1,940	219	345	425
8	444	1,600	2,230	827	989	1,240	1,310	5,170	2,350	256	437	384
9	410	1,590	7,800	803	877	1,260	1,260	4,550	2,320	340	511	349
10	375	1,450	6,470	828	841	1,130	1,220	4,030	1,960	292	474	321
11	414	1,140	4,750	875	848	1,140	1,200	3,840	1,570	260	423	295
12	983	1,060	3,650	1,210	848	1,180	825	3,400	1,330	231	389	515
13	850	1,990	2,990	1,370	794	1,110	792	3,400	1,800	210	372	2,040
14	361	3,350	2,580	1,320	771	1,120	740	3,130	2,070	205	350	2,230
15	376	3,100	2,260	1,150	760	1,040	808	2,780	2,040	224	329	1,560
16	491	2,800	2,080	1,070	720	1,080	920	2,860	1,820	235	277	1,060
17	649	2,330	1,970	946	693	1,060	1,170	2,960	1,610	231	236	997
18	767	1,910	1,940	887	723	1,040	1,800	2,860	1,420	219	213	895
19	1,330	1,820	1,800	880	746	1,060	3,080	2,550	1,240	205	198	1,160
20	1,060	1,830	1,690	840	740	2,390	6,180	2,270	1,120	204	185	1,660
21	534	3,260	1,610	800	721	3,590	6,440	2,130	985	246	176	2,160
22	467	4,520	1,530	780	707	3,810	5,270	2,390	830	295	171	1,920
23	434	3,800	1,470	780	707	3,530	4,680	2,260	764	282	163	1,660
24	410	3,060	1,420	800	816	3,030	6,310	1,940	701	256	190	1,450
25	450	3,070	1,410	840	1,510	2,790	8,190	1,660	633	261	246	1,980
26	1,140	3,290	1,340	998	2,130	2,900	8,000	1,510	577	252	239	6,300
27	894	2,930	1,310	1,110	2,120	2,640	6,500	1,320	535	235	255	6,900
28	413	2,570	1,320	1,300	2,070	2,350	5,070	1,190	499	220	286	5,720
29	371	2,230	1,300	1,300	-----	2,190	4,320	1,010	453	263	291	4,330
30	356	2,030	1,200	1,500	-----	2,040	4,590	979	508	281	462	3,410
31	355	-----	1,200	1,800	-----	1,780	-----	1,270	-----	302	641	-----
TOTAL	20,059	64,069	68,690	32,540	29,791	56,370	91,475	106,799	40,455	7,877	9,590	52,893
MEAN	647	2,136	2,216	1,050	1,064	1,818	3,049	3,445	1,349	254	309	1,763
MAX	1,330	4,520	7,800	1,800	2,130	3,810	8,190	7,210	2,350	340	641	6,900
MIN	355	384	1,200	780	672	1,040	740	979	453	204	163	295

CAL YR 1974 TOTAL 629,189 MEAN 1,724 MAX 9,780 MIN 272
 WTR YR 1975 TOTAL 580,608 MEAN 1,591 MAX 8,190 MIN 163

HUDSON RIVER BASIN

01318500 HUDSON RIVER AT HADLEY, N.Y.

LOCATION.--Lat 43°19'08", long 73°50'41", Saratoga County, on right bank at Hadley, 400 ft (122 m) downstream from outlet of Lake Luzerne and 0.3 mi (0.5 km) upstream from Sacandaga River.

DRAINAGE AREA.--1,664 mi² (4,310 km²).

PERIOD OF RECORD.--July 1921 to current year.

GAGE.--Water-stage recorder. Datum of gage is 563.99 ft (171.904 m) above mean sea level.

AVERAGE DISCHARGE.--54 years, 2,853 ft³/s (80.80 m³/s).

EXTREMES.--Current year: Maximum discharge, 14,400 ft³/s (408 m³/s) Apr. 26 (gage height, 9.58 ft, or 2.920 m); minimum, 338 ft³/s (9.57 m³/s) Aug. 24 (gage height, 1.18 ft, or 0.360 m); minimum daily, 341 ft³/s (9.66 m³/s) Aug. 24.

Period of record: Maximum discharge, 42,700 ft³/s (1,210 m³/s) Jan. 1, 1949 (gage height, 21.21 ft (6.465 m)); minimum, 281 ft³/s (7.96 m³/s) Sept. 3, 1934 (gage height, 0.94 ft (0.287 m)); minimum daily, 292 ft³/s (8.27 m³/s) July 24, 1934.

REMARKS.--Records good except those for winter periods, which are fair. Some diurnal fluctuation caused by powerplant on Schroon River. Flow regulated by Indian Lake (see station 01314500) and other reservoirs above station.

REVISIONS (WATER YEARS).--WSP 561: 1921-22. WSP 756: drainage area. WSP 1432: 1931 (m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,530	769	3,180	2,100	3,190	3,970	4,160	9,940	2,830	964	492	1,140
2	1,450	975	3,160	2,100	2,810	3,740	3,890	10,800	2,950	753	471	1,030
3	1,360	1,440	2,990	1,940	2,670	3,530	3,920	10,800	2,770	685	436	943
4	1,260	1,310	2,800	1,880	2,350	3,060	3,940	10,600	2,670	642	445	921
5	1,500	1,410	2,540	1,800	1,920	3,030	3,860	11,600	2,540	612	669	977
6												
7	1,710	1,890	2,450	1,660	1,640	2,810	3,610	11,400	2,920	569	701	935
8	1,280	2,310	2,500	1,710	1,970	2,530	3,350	10,300	3,240	531	736	855
9	977	2,290	2,850	1,710	2,040	2,520	3,150	9,180	3,760	498	1,200	763
10	892	2,110	9,740	1,730	1,830	2,780	3,000	8,380	3,790	525	1,330	732
11	833	2,110	10,400	1,810	1,760	2,440	2,880	7,410	3,450	773	1,100	656
12	788	1,840	8,150	2,000	1,660	2,280	2,880	6,890	2,960	644	941	594
13	963	1,650	6,840	2,860	1,570	2,380	2,720	6,440	2,590	579	855	693
14	1,420	2,150	5,850	2,970	1,460	2,300	2,490	6,140	3,250	527	806	1,500
15	1,080	4,290	5,240	2,660	1,550	2,450	2,390	5,900	3,880	505	766	2,700
16	836	4,350	4,720	2,190	1,530	2,030	2,530	5,360	3,860	527	704	2,290
17	996	3,970	4,290	2,000	1,540	2,240	2,780	5,140	3,540	540	646	1,690
18	1,200	3,590	4,080	1,900	1,540	2,260	3,390	5,210	3,300	532	567	1,520
19	1,310	2,950	3,980	1,600	1,500	2,280	4,570	5,040	2,960	507	502	1,440
20	1,620	2,810	3,730	1,700	1,530	2,200	6,350	4,720	2,640	473	448	1,640
21	1,860	2,760	3,490	1,900	1,560	4,650	10,800	4,250	2,370	458	411	2,680
22	1,410	4,590	3,280	1,700	1,560	8,110	11,700	3,910	2,220	539	381	3,550
23	1,110	6,690	3,110	1,700	1,570	7,530	10,500	3,940	1,890	549	374	3,460
24	1,020	6,230	2,940	1,700	1,490	7,500	9,880	4,150	1,760	567	353	2,920
25	969	5,100	2,820	1,700	1,600	6,940	11,300	3,740	1,640	552	341	2,600
26	916	4,900	2,740	1,800	2,740	6,730	14,100	3,180	1,500	713	361	3,060
27	1,170	5,210	2,550	2,200	4,260	6,950	14,200	2,980	1,380	615	453	7,010
28	1,550	4,830	2,400	2,400	4,270	6,160	13,000	2,650	1,200	524	672	11,900
29	1,200	4,320	2,400	2,510	4,080	5,650	11,100	2,450	1,070	472	576	9,680
30	858	3,930	2,400	2,680	-----	5,170	9,730	2,190	1,030	431	552	7,500
31	799	3,570	2,300	2,950	-----	4,990	9,180	2,050	1,000	450	1,020	5,890
TOTAL	777	-----	2,200	3,260	-----	4,450	-----	2,240	-----	475	1,190	-----
MEAN	36,644	96,344	122,120	64,820	59,190	125,560	191,350	188,980	76,960	17,731	20,499	83,269
MAX	1,182	3,211	3,939	2,091	2,114	4,050	6,378	6,096	2,565	572	661	2,776
MIN	1,860	6,690	10,400	3,260	4,270	8,110	14,200	11,600	3,880	964	1,330	11,900
	777	769	2,200	1,600	1,460	2,030	2,390	2,050	1,000	431	341	594

CAL YR 1974 TOTAL 1,220,901 MEAN 3,345 MAX 15,300 MIN 525
 WTR YR 1975 TOTAL 1,083,467 MEAN 2,968 MAX 14,200 MIN 341

PEAK DISCHARGE (BASE, 15,000 CFS).--No peak above base.

HUDSON RIVER BASIN

01319000 EAST BRANCH SACANDAGA RIVER AT GRIFFIN, N.Y.

LOCATION.--Lat 43°28'25", long 74°13'25", Hamilton County, on left bank 300 ft (91 m) upstream from highway bridge on Teachout Road at Griffin, 2.0 mi (3.2 km) downstream from Georgia Creek, 3 mi (5 km) upstream from mouth, and 7 mi (11 km) upstream from Wells.

DRAINAGE AREA.--114 mi² (295 km²).

PERIOD OF RECORD.--August 1933 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,254.32 ft (382.317 m) above mean sea level. Prior to June 19, 1959, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--42 years, 211 ft³/s (5.976 m³/s) (25.13 in/yr or 638.3 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,920 ft³/s (82.7 m³/s) Dec. 9 (gage height, 8.19 ft or 2.496 m); minimum, 6.8 ft³/s (0.19 m³/s) Aug. 21 (gage height, 0.71 ft or 0.216 m).

Period of record: Maximum discharge, 10,700 ft³/s (303 m³/s) Dec. 31, 1948 (gage height, 14.35 ft or 4.374 m, from floodmarks), from rating curve extended above 4,400 ft³/s (125 m³/s) on basis of slope-area and contracted-opening measurements of peak flow; minimum observed, 2.4 ft³/s (0.068 m³/s) Sept. 20, 1939 (gage height, 0.30 ft or 0.091 m).

REMARKS.--Records fair except those for winter periods, which are poor. Water-quality records for the current year are published in Section 2 of this report.

REVISIONS (WATER YEARS).--WSP 1111: 1936(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	134	59	120	90	248	300	190	1190	242	35	11	59
2	112	58	130	88	196	220	160	1110	189	27	10	47
3	106	56	150	84	164	190	130	908	142	23	9.4	58
4	95	66	130	82	136	170	160	945	209	21	12	45
5	84	116	120	82	128	150	160	1190	189	18	17	34
6	78	294	130	82	129	140	150	899	495	16	16	35
7	68	232	110	82	126	130	130	659	495	16	19	39
8	58	179	500	88	118	120	120	547	368	14	73	31
9	55	147	2230	96	112	120	110	449	263	14	74	27
10	55	125	991	110	107	120	130	381	196	18	40	23
11	52	112	566	115	104	110	130	327	150	20	27	20
12	50	106	386	334	99	110	140	285	156	19	21	162
13	49	510	301	294	96	100	140	327	413	17	18	175
14	48	562	250	200	91	100	140	305	381	17	17	97
15	75	501	190	160	87	100	150	259	371	25	15	69
16	128	371	172	140	85	110	180	379	269	33	13	53
17	116	285	189	130	85	110	392	356	240	23	12	51
18	120	240	182	130	87	110	631	285	180	19	10	51
19	107	226	161	140	89	120	1250	240	145	16	9.4	232
20	95	272	148	120	88	1000	1800	205	120	15	8.7	405
21	85	1170	130	100	83	1430	1190	189	97	55	7.4	628
22	79	761	120	92	81	963	811	349	82	49	8.3	381
23	76	410	120	92	83	737	890	460	69	30	8.0	252
24	71	341	110	92	120	562	1830	285	61	22	8.3	203
25	68	386	100	100	640	504	2000	200	50	41	9.4	463
26	67	350	88	170	678	582	1590	156	42	38	23	1031
27	66	260	90	290	501	440	1100	131	36	24	81	982
28	61	230	94	257	350	340	799	113	32	19	53	591
29	58	190	100	261	---	280	757	95	60	16	32	378
30	58	140	98	480	---	240	926	103	47	14	124	257
31	59	---	88	340	---	210	---	224	---	12	99	---
TOTAL	2433	8755	8294	4921	4911	9918	18286	13551	5789	726	885.9	6875
MEAN	78.5	292	268	159	175	320	610	437	193	23.4	28.6	229
MAX	134	1170	2230	480	678	1430	2000	1190	495	55	124	1039
MIN	48	56	88	82	81	100	110	95	32	12	7.4	21
CFSM	.69	2.56	2.35	1.39	1.54	2.81	5.35	3.83	1.69	.21	.25	2.11
IN.	.79	2.86	2.71	1.61	1.60	3.24	5.97	4.42	1.89	.24	.29	2.24

CAL YR 1974 TOTAL 82285.0 MEAN 225 MAX 2800 MIN 10 CFSM 1.97 IN 26.85
WTR YR 1975 TOTAL 85344.9 MEAN 234 MAX 2230 MIN 7.4 CFSM 2.05 IN 27.85

PEAK DISCHARGE (BASE, 2,700 CFS)

DATE	TIME	G. H.	DISCHARGE
12-09	0400	8.19	2,920

01321000 SACANDAGA RIVER NEAR HOPE, N.Y.

LOCATION.--Lat 43°21'10", long 74°16'15", Hamilton County, on left bank 1.5 mi (2.4 km) downstream from West Branch Sacandaga River and 4.5 mi (7.2 km) upstream from Hope.

DRAINAGE AREA.--491 mi² (1,272 km²).

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

GAGE.--Water-stage recorder. Datum of gage is 881.31 ft (268.623 m) above mean sea level. Prior to July 24, 1929, nonrecording gage at site 300 ft (91 m) upstream at same datum.

AVERAGE DISCHARGE.--64 years, 1,087 ft³/s (30.78 m³/s).

EXTREMES.--Current year: Maximum discharge, 8,770 ft³/s (248 m³/s) Dec. 9 (gage height, 6.44 ft or 1.963 m); minimum, 62 ft³/s (1.76 m³/s) Aug. 4 (gage height, 1.37 ft or 0.418 m); minimum daily, 64 ft³/s (1.81 m³/s) Aug. 4.
 Period of record: Maximum discharge, 32,000 ft³/s (906 m³/s) Mar. 27, 1913 (gage height, 11.0 ft or 3.35 m, from floodmarks at site then in use); minimum, about 16 ft³/s (0.45 m³/s) Sept. 30, 1913 (gage height, 1.17 ft or 0.357 m); minimum daily, 18 ft³/s (0.51 m³/s) Sept. 20, 1913.

REMARKS.--Records fair except those for winter periods, which are poor. Some seasonal regulation at Piseco Lake Outlet and, since 1959, intermittent regulation by Lake Algonquin at Wells 4 mi (6 km) upstream. Infrequent minor fluctuations by mill upstream.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	677	319	831	480	1390	1620	1400	4610	1280	188	79	708
3	637	309	817	450	1190	1420	1180	4380	1100	168	74	691
4	595	297	846	420	1070	1280	1180	4040	903	153	69	665
5	541	345	729	533	970	1140	1220	4190	977	140	64	541
	487	539	618	457	909	999	1180	5180	945	129	87	436
6												
7	447	1090	661	436	850	967	1120	4450	2240	120	93	443
8	410	1050	597	533	782	892	1070	3760	2290	114	116	422
9	373	888	2420	494	726	824	939	3280	1750	108	333	333
10	346	782	6810	517	673	725	726	2700	1410	105	383	304
	324	694	3780	582	614	716	717	2410	1140	111	285	273
11												
12	316	621	2560	622	606	698	791	2130	842	126	219	250
13	282	592	1970	1180	590	671	820	1880	806	117	183	1370
14	287	2490	1850	1240	606	725	820	1810	1780	117	164	1630
15	299	2290	1320	1020	557	725	801	1640	1900	130	160	1220
	448	1940	1310	840	557	707	909	1510	2080	159	146	1020
16												
17	658	1710	1150	700	549	671	1100	1710	1570	168	136	870
18	676	1410	1100	580	517	671	1810	1650	1480	164	132	811
19	720	1260	1110	560	502	671	2790	1450	1240	139	129	735
20	650	1180	981	660	487	727	4700	1290	1010	110	129	1910
	590	1270	919	580	472	4510	6600	1150	791	120	129	2650
21												
22	533	3690	850	540	457	4560	4890	1020	708	142	129	3460
23	483	2830	791	540	450	3360	3920	1190	630	196	123	2330
24	445	1910	754	560	457	3070	4020	1320	540	149	116	1880
25	414	1720	717	700	642	2770	6600	1140	495	126	113	1640
	393	1880	682	760	2550	2600	7170	924	429	304	116	2510
26												
27	390	1820	582	1260	2780	2990	6320	695	316	234	229	4580
28	370	1370	560	1270	2190	2390	5150	662	262	171	525	4430
29	338	1340	580	1170	1860	2160	4210	671	250	142	383	3220
30	327	1200	540	1120	---	1990	3980	553	250	116	297	2510
31	323	1010	500	1710	---	1750	4110	553	220	102	1200	1970
	318	---	480	1600	---	1590	---	1010	---	90	860	---
TOTAL												
MEAN	14097	39846	39415	24114	26003	50589	82243	64958	31634	4458	7201	45812
MAX	455	1328	1271	778	929	1632	2741	2095	1054	144	232	1527
MIN	720	3690	6810	1710	2780	4560	7170	5180	2290	304	1200	4580
	282	297	480	420	450	671	717	553	220	90	64	250
CAL YR 1974	TOTAL	398555	MEAN	1092	MAX	9440	MIN	123				
WTR YR 1975	TOTAL	430370	MEAN	1179	MAX	7170	MIN	64				

PEAK DISCHARGE (BASE, 9,100 CF5).--No peak above base.

01323500 GREAT SACANDAGA LAKE AT CONKLINGVILLE, N.Y.

LOCATION.--Lat 43°18'57", long 73°55'39", Saratoga County, 800 ft (244 m) upstream from right end of Conklingville Dam on Sacandaga River at Conklingville.

DRAINAGE AREA.--1,044 mi² (2,704 km²).

PERIOD OF RECORD.--January 1930 to current year. Prior to October 1969, published as Sacandaga Reservoir at Conklingville.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level, adjustment of 1912. Prior to Apr. 23, 1930, nonrecording gage at same datum in outlet channel 800 ft (244 m) downstream.

EXTREMES.--Current year: Maximum elevation, 768.91 ft (234.364 m) June 17 (contents, 35,310 mil ft³ or 1,000 hm³); minimum, 743.00 ft (226.466 m) Mar. 19 (contents, 10,040 mil ft³ or 284.3 hm³).

Period of record: Maximum elevation, 770.78 ft (234.934 m) June 26, 1972 (contents, 37,470 mil ft³ or 1,061 hm³); minimum since first filling, 729.55 ft (222.367 m) Mar. 30, 1940 (contents, 2,100 mil ft³ or 59.5 hm³).

REMARKS.--Reservoir is formed by earth and concrete dam; storage began in March 1930; dam completed in 1930. Usable capacity for stream regulation, 29,670 mil ft³ (840.3 hm³) between elevations 735.0 ft (224.03 m) and 768.0 ft (234.09 m). Between elevations 768.0 ft (234.09 m) and 771.0 ft (235.00 m) (spillway crest) an additional 3,450 mil ft³ (97.7 hm³) is available exclusively for flood storage. Elevation of inverts of three Dow valves is 699.0 ft (213.06 m). Capacity of 4,600 mil ft³ (130 hm³) below elevation 735.0 ft (224.03 m) is considered dead storage, except for extraordinary emergencies or for necessary inspection of structures. Purpose of reservoir is to provide flood control and low-water stream regulation for sanitary improvement, navigation, and power, as required by the public welfare, including public health and safety. Area of water surface of reservoir filled to capacity (elevation, 771.0 ft (235.00 m)) is 41.7 mi² (108 km²).

COOPERATION.--Records furnished by Board of Hudson River-Black River Regulating District.

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

743	10.04	760	25.61
745	11.64	765	30.94
750	15.94	770	36.56
755	20.61		

ELEVATION, IN FEET ABOVE MEAN SEA LEVEL, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	756.84	753.16	754.80	754.57	748.65	745.75	750.80	765.37	767.42	766.42	762.23	760.34
2	756.74	752.97	754.86	754.40	748.58	745.75	751.02	765.93	767.53	766.22	762.08	760.40
3	756.62	752.89	754.85	754.22	748.48	745.71	751.32	766.45	767.48	765.98	761.98	760.33
4	756.52	752.89	754.72	754.03	748.33	745.61	751.78	766.92	767.47	765.82	761.93	760.26
5	756.37	752.78	754.54	753.82	748.19	745.47	752.07	767.55	767.45	765.77	761.80	760.15
6	756.31	752.80	754.38	753.61	748.12	745.34	752.30	767.87	767.58	765.63	761.59	760.05
7	756.31	752.78	754.20	753.36	747.97	745.22	752.52	767.95	767.82	765.58	761.48	760.00
8	756.11	752.73	754.22	753.07	747.80	745.10	752.71	767.97	767.97	765.38	761.58	759.98
9	755.95	752.64	755.08	752.86	747.62	744.93	752.86	767.90	768.12	765.22	761.63	759.91
10	755.81	752.62	755.65	752.63	747.43	744.72	753.02	767.82	768.16	765.05	761.62	759.75
11	755.63	752.64	755.83	752.42	747.22	744.52	753.18	767.92	768.10	764.90	761.57	759.58
12	755.47	752.50	755.86	752.32	747.02	744.33	753.36	768.05	768.07	764.68	761.43	759.60
13	755.36	752.56	755.88	752.25	746.82	744.18	753.54	768.06	768.23	764.58	761.32	759.76
14	755.35	752.81	755.84	752.12	746.62	743.98	753.71	768.08	768.47	764.54	761.23	759.86
15	755.22	753.02	755.87	751.92	746.37	743.85	753.88	768.06	768.70	764.37	761.02	759.95
16	755.10	753.10	755.97	751.68	746.15	743.64	754.13	768.06	768.90	764.20	760.85	759.85
17	755.02	753.20	755.97	751.43	745.93	743.43	754.45	768.03	768.90	764.05	760.77	759.77
18	754.91	753.34	755.94	751.15	745.73	743.23	754.97	768.08	768.90	763.87	760.76	759.68
19	754.78	753.28	755.78	750.93	745.52	743.08	755.75	768.16	768.75	763.72	760.53	759.75
20	754.73	753.29	755.67	750.63	745.32	743.40	757.11	768.07	768.52	763.63	760.35	760.16
21	754.73	753.66	755.52	750.33	745.08	744.70	758.08	767.96	768.33	763.68	760.18	760.84
22	754.58	754.15	755.48	750.03	744.83	745.75	758.76	767.87	768.08	763.54	760.00	761.08
23	754.40	754.37	755.52	749.73	744.61	746.55	759.34	767.84	767.83	763.40	759.81	761.15
24	754.25	754.54	755.37	749.43	744.47	747.18	760.18	767.78	767.60	763.27	759.72	761.16
25	754.09	754.79	755.32	749.17	744.70	747.85	761.43	767.78	767.37	763.25	759.69	761.26
26	753.95	754.88	755.33	749.10	745.23	748.55	762.47	767.83	767.18	763.07	759.67	761.66
27	753.86	754.94	755.15	749.02	745.55	749.08	763.25	767.73	766.98	762.98	759.73	762.53
28	753.84	754.92	754.98	748.88	745.68	749.50	763.84	767.61	766.78	762.96	759.63	763.12
29	753.64	754.89	754.93	748.77	---	749.88	764.36	767.45	766.67	762.73	759.49	763.44
30	753.48	754.84	754.92	748.77	---	750.23	764.86	767.35	766.61	762.57	759.80	763.53
31	753.30	---	754.74	748.74	---	750.56	---	767.32	---	762.40	760.14	---
MEAN	755.14	753.47	755.26	751.46	746.57	745.84	756.04	767.64	767.87	764.31	760.83	760.82
MAX	756.84	754.94	755.97	754.57	748.65	750.56	764.86	768.16	768.90	766.42	762.23	763.53
MIN	753.30	752.50	754.20	748.74	744.47	743.08	750.80	765.37	766.61	762.40	759.49	759.58
(#)	18.91	20.40	20.30	14.80	12.24	16.58	31.04	33.49	32.60	28.04	25.88	29.35
(#)	-1337	+575	-37.3	-2053	-1058	+1620	+5579	+915	-343	-1702	-806	+3339

CAL YR 1974 MEAN 758.50 MAX 769.42 MIN 745.87 (#) -154
WTR YR 1975 MEAN 757.15 MAX 768.90 MIN 743.08 (#) +218

(+) Contents, in billions of cubic feet, at 2400 on last day of month.
(#) Change in contents, equivalent in cubic feet per second.

01325000 SACANDAGA RIVER AT STEWARTS BRIDGE, NEAR HADLEY, N.Y.

LOCATION.--Lat 43°18'41", long 73°52'04", Saratoga County, on left bank 1.0 mi (1.6 km) downstream from Stewarts Bridge, 1.1 mi (1.8 km) west of Hadley, 1.4 mi (2.3 km) upstream from mouth, and 1.5 mi (2.4 km) downstream from Stewarts Bridge hydroelectric plant.

DRAINAGE AREA.--1,055 mi² (2,732 km²).

PERIOD OF RECORD.--September 1907 to current year. Published as "near Hadley" 1907-1910, "at Hadley" 1911-32 and "at Conklingville" 1932-52. Records published for both sites October 1951 to September 1952.

GAGE.--Water-stage recorder. Datum of gage is 582.00 ft (177.394 m) above mean sea level. Prior to Jan. 1, 1911, nonrecording gage at site about 1 mi (2 km) upstream at different datum. Jan. 1, 1911 to Sept. 30, 1932, water-stage recorder at site 0.8 mi (1.3 km) downstream at datum 8.82 ft (2.688 m) lower than present datum. Oct. 1, 1932 to Sept. 30, 1952, water-stage recorder at site 3.6 mi (5.8 km) upstream at datum 85.47 ft (26.051 m) higher than present datum.

AVERAGE DISCHARGE.--68 years, 2,115 ft³/s (59.90 m³/s) (adjusted for storage since 1930).

EXTREMES.--Current year: Maximum discharge, 6.190 ft³/s (175 m³/s) May 6 (gage height, 6.52 ft or 1.987 m); minimum daily, 7.5 ft³/s (0.21 m³/s) Mar. 28-30, Apr. 6-11.
 Period of record: Maximum discharge, about 35,500 ft³/s (1,010 m³/s) Mar. 28, 1913 (gage height, 12.36 ft (3.767 m), site and datum then in use); minimum, 5.3 ft³/s (0.15 m³/s) Mar. 17, 18, 1964, Apr. 29 to May 4, May 5, 6, 1965; minimum daily, 5.3 ft³/s (0.15 m³/s) Apr. 30 to May 3, 1965. Maximum discharge since construction of Conklingville Dam in 1930, 13,300 ft³/s (377 m³/s) July 1, 1968 (gage height, 9.54 ft (2.908 m)).

REMARKS.--Records good above 10 cfs and fair below. Flow regulated by Great Sacandaga Lake since Mar. 27, 1930 (see station 01323500); no discharge over spillway during year. Extensive diurnal fluctuation caused by release of water from Great Sacandaga Lake, through Elmer J. West hydroelectric station as directed by Board of Hudson River-Black River Regulating District, and through Stewarts Bridge hydroelectric station.

COOPERATION.--Since Oct. 1, 1932, discharge computed by Board of Hudson River-Black River Regulating District from rating developed by Geological Survey.

REVISIONS (WATER YEARS).--WSP 1302: 1908. WSP 1432: 1910-12, 1916-21.

DAY	DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975											
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	2,590	2,530	45	3,070	4,120	3,070	8.0	9.8	45	3,040	2,220	21
3	2,590	2,520	2,560	3,060	3,140	3,080	9.0	26	1,970	3,030	2,270	2,240
4	2,580	37	2,530	3,110	3,100	3,090	13	24	2,030	3,050	182	2,250
5	2,530	2,520	2,980	3,100	3,080	3,060	12	27	2,000	175	2,220	2,210
	2,560	2,560	3,110	3,150	3,050	3,030	9.0	3,600	2,000	2,570	2,270	2,150
6												
7	45	2,580	3,100	3,090	3,030	3,070	7.5	5,080	2,030	47	2,270	2,200
8	2,530	2,560	3,060	4,130	3,070	3,060	7.5	5,560	2,020	2,560	2,220	51
9	2,590	2,530	134	4,130	3,060	3,110	7.5	5,560	38	2,650	2,200	2,510
10	2,550	2,530	2,960	4,140	3,100	3,110	7.5	5,460	1,950	2,600	2,190	2,600
	2,560	37	3,090	4,130	3,020	3,070	7.5	4,240	1,990	2,610	40	2,540
11												
12	2,320	2,560	3,120	4,130	3,070	3,130	7.5	132	1,990	2,540	2,180	2,530
13	2,560	2,550	3,090	4,170	3,100	3,090	8.0	2,930	2,070	2,550	2,210	2,640
14	49	2,540	3,070	4,140	3,110	3,050	8.0	2,980	2,020	154	2,200	2,650
15	2,610	2,510	3,150	4,120	3,100	3,110	8.0	3,040	2,000	2,540	2,190	64
	2,520	2,560	100	4,160	3,110	3,080	9.0	3,010	36	2,590	2,190	2,560
16												
17	2,600	2,570	2,930	4,120	3,070	3,100	9.0	3,000	2,780	2,570	2,230	2,560
18	2,530	44	3,080	4,090	3,080	3,050	9.0	3,000	3,030	2,550	60	2,580
19	2,580	2,530	3,070	4,100	3,080	3,060	12	162	3,040	2,570	2,180	2,560
20	2,570	2,560	3,060	4,080	3,110	3,060	18	2,870	4,050	2,510	2,180	2,600
	42	2,530	3,060	4,120	3,030	3,990	17	3,020	4,110	210	2,200	2,550
21												
22	2,520	2,580	3,110	4,120	3,080	1,280	13	3,020	4,120	2,180	2,180	51
23	2,530	2,580	150	4,110	3,040	14	11	2,620	4,040	2,190	2,220	2,770
24	2,530	2,580	2,960	4,130	3,070	12	10	2,540	4,070	2,170	2,230	3,030
25	2,570	43	3,050	4,140	3,090	10	13	2,510	4,060	2,210	40	3,080
	2,520	2,540	138	4,110	3,030	12	317	48	3,030	2,360	2,150	3,060
26												
27	2,530	2,600	2,950	4,080	3,060	12	13	2,470	3,080	2,360	2,180	3,050
28	41	2,620	3,090	4,090	3,060	9.0	11	2,500	3,070	238	2,210	3,040
29	2,490	2,620	2,880	4,080	3,080	7.5	10	2,530	3,030	2,190	2,170	145
30	2,510	2,570	157	4,090	-----	7.5	10	2,500	128	2,210	2,220	2,910
31	2,550	2,520	2,900	4,140	-----	7.5	9.8	2,530	2,940	2,210	2,200	3,050
	2,530	-----	3,070	4,160	-----	8.0	-----	2,530	-----	2,210	49	-----
TOTAL	68,827	66,611	75,754	121,590	87,140	63,849.5	611.8	79,528.8	72,767	65,644	57,751	66,252
MEAN	2,220	2,220	2,444	3,922	3,112	2,060	20.4	2,565	2,426	2,118	1,863	2,208
MAX	2,610	2,620	3,150	4,170	4,120	3,990	317	5,560	4,120	3,050	2,270	3,080
MIN	41	37	45	3,060	3,020	7.5	7.5	9.8	36	47	40	21
MEAN	Adjusted for change in contents in Great Sacandaga Lake and Stewarts Bridge pool											
CFSM	884	2,796	2,405	1,868	2,055	3,635	5,647	3,478	2,087	416	1,053	3,548
IN	0.84	2.65	2.28	1.77	1.95	3.45	5.35	3.30	1.98	0.39	1.00	3.36
	0.97	2.96	2.63	2.04	2.03	3.97	5.97	3.80	2.21	0.45	1.15	3.75
MEAN	Observed											
CAL YR	Observed											
YR	Observed											
1974	TOTAL 879,252.8	MEAN 2,409	MAX 5,460	MIN 8.2	MEAN 2,255	CFSM 2.14	IN 29.02					
1975	TOTAL 826,326.1	MEAN 2,264	MAX 5,560	MIN 7.5	MEAN 2,481	CFSM 2.35	IN 31.93					

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

Observed

Adjusted

HUDSON RIVER BASIN

01327500 GLENS FALLS FEEDER AT DUNHAM BASIN, N.Y.

LOCATION.--Lat 43°18'15", long 73°32'49", Washington County, on left bank at Dunham Basin, 100 ft (30 m) upstream from Bond Creek, 2.0 mi (3.2 km) east of courthouse at Hudson Falls and 8.0 mi (12.9 km) downstream from Hudson River feeder dam at Glens Falls.

PERIOD OF RECORD.--September 1945 to current year (navigation seasons only).

GAGE.--Water-stage recorder. Datum of gage is 139.88 ft (42.635 m) above mean sea level, Barge Canal datum.

REMARKS.--Records fair except those from Nov. 3 to Dec. 17, which are poor. Feeder flow during navigation season is net diversion from Hudson River basin to the summit level of the Champlain (Barge) Canal, 0.4 mi (0.6 km) downstream, and is diverted in accordance with requirements of the canal. Flow during remainder of year consists of leakage through headgates and inflow from area tributary to feeder above station, which may continue during period of nonoperation. During navigation season a portion of the flow is re-diverted into Lake Champlain basin; the remainder returns to the Hudson River in southbound lockages.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	81	64			---	33	67	98	105	122	93
2	79	86	68			---	40	70	77	109	118	103
3	82	92	74			---	160	69	86	105	101	112
4	64	92	70			---	90	70	67	120	105	110
5	72	94	78			---	52	75	47	109	118	109
6	89	96	70			---	30	77	56	129	114	107
7	76	92	64			---	24	75	65	112	125	91
8	62	90	62			---	22	74	70	110	180	89
9	87	84	80			---	19	72	53	118	131	127
10	89	80	45			---	18	70	37	118	112	114
11	91	76	15			---	18	67	75	110	114	110
12	87	70	4.5			---	17	61	70	110	120	131
13	101	90	2.2			---	17	65	130	112	118	127
14	91	86	2.7			---	24	64	120	112	116	120
15	96	92	2.8			---	59	67	77	110	114	118
16	96	78	2.8			---	46	67	65	109	109	125
17	82	72	2.9			---	47	67	75	107	89	122
18	72	68	---			---	49	64	62	110	98	118
19	72	66	---			---	59	58	56	112	100	125
20	76	96	---			---	87	64	58	114	103	114
21	74	150	---			---	103	62	70	110	103	136
22	70	110	---			---	75	62	69	116	105	93
23	66	90	---			---	70	80	70	112	105	84
24	64	80	---			---	75	80	86	125	84	84
25	74	90	---			---	75	72	79	131	46	140
26	87	82	---			2.5	74	53	80	127	125	160
27	98	74	---			2.0	72	69	79	114	131	180
28	99	70	---			3.6	70	87	74	105	122	131
29	89	68	---			32	67	86	65	122	116	101
30	87	64	---			36	67	79	79	122	180	100
31	86	---	---			33	---	79	---	118	127	---
TOTAL	2484	2559	---	---	---	---	1659	2172	2195	3543	3551	3474
MEAN	80.1	85.3	---	---	---	---	55.3	70.1	73.2	114	115	116
MAX	101	150	---	---	---	---	160	87	130	131	180	180
MIN	26	64	---	---	---	---	17	53	37	105	46	84

NOTE.--No gage height record Nov. 3 to Dec. 17.

01328000 BOND CREEK AT DUNHAM BASIN, N.Y.

LOCATION.--Lat 43°18'22", long 73°32'56", Washington County, on left bank at Dunham Basin, 800 ft (244 m) upstream from bridge on State Highway 196, 0.2 mi (0.3 km) upstream from Glens Falls feeder and abandoned Champlain Canal, 0.5 mi (0.8 km) upstream from Champlain (Barge) Canal, and 1.9 mi (3.1 km) east of courthouse at Hudson Falls.

DRAINAGE AREA.--14.7 mi² (38.1 km²).

PERIOD OF RECORD.--June 1943 to current year. Prior to October 1950, published as Bond Brook at Dunham Basin.

GAGE.--Water-stage recorder. Datum of gage is 140.30 ft (42.763 m) above mean sea level, Barge Canal datum.

AVERAGE DISCHARGE.--28 years, 16.9 ft³/s (0.479 m³/s) (15.61 in/yr or 396.5 mm/yr).

EXTREMES.--Current year: Maximum discharge, 575 ft³/s (16.3 m³/s) Feb. 25 (gage height, 5.73 ft or 1.747 m); minimum, 0.46 ft³/s (0.013 m³/s) Aug. 3, 4 (gage height, 1.54 ft or 0.469 m).
 Period of record: Maximum discharge, 1,370 ft³/s (38.8 m³/s) Dec. 31, 1948 (gage height, 8.52 ft or 2.597 m); maximum gage height, 8.66 ft (2.640 m) Mar. 5, 1964 (backwater from ice); minimum discharge, 0.10 ft³/s (0.003 m³/s) Aug. 1, 2, 1965, Aug. 25, Sept. 19, 20, 1968, Sept. 12, 13, 1972.

REMARKS.--Records poor. During canal navigation season, an indeterminate portion of flow is diverted at a point 0.5 mi (0.8 km) below gage into Lake Champlain basin through summit level of Champlain (Barge) Canal at Dunham Basin.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												11
2	33	4.6	8.9	3.7	30	67	13	7.0	40	1.7	1.1	7.7
3	23	4.0	8.1	3.5	18	48	12	7.7	20	1.5	.84	7.0
4	20	4.0	8.9	4.0	13	38	182	8.9	6.6	1.5	.64	4.9
5	16	5.2	6.6	5.4	11	29	166	9.7	5.9	1.5	.64	3.7
	12	14	6.6	5.8	9.8	30	73	20	4.9	1.3	1.1	
6												
7	9.3	37	4.9	6.2	8.8	21	56	15	22	1.3	1.1	3.4
8	8.9	16	4.6	8.1	8.0	31	45	11	17	1.3	2.5	3.7
9	8.9	11	14	8.1	7.4	87	34	7.4	33	1.1	61	5.5
10	8.5	8.9	43	26	6.8	52	28	5.0	13	1.3	20	22
	8.5	7.7	19	51	6.4	33	26	4.0	7.3	1.3	6.2	12
11												
12	7.7	7.0	13	55	6.0	18	22	5.0	5.2	1.3	4.3	8.1
13	7.7	6.6	11	81	5.6	28	18	4.5	6.2	1.3	4.0	16
14	7.3	73	10	48	5.2	75	15	8.4	91	1.7	5.9	32
15	7.0	35	12	29	5.2	57	14	6.2	77	1.7	3.4	16
	7.7	58	13	21	5.2	21	13	4.0	27	1.7	2.5	11
16												
17	9.7	31	13	16	5.4	31	12	4.6	17	1.7	2.0	9.3
18	17	21	16	11	8.0	52	11	3.9	14	2.0	1.7	9.3
19	15	21	17	8.5	10	73	9.7	3.2	8.9	2.0	1.5	11
20	12	17	14	9.7	19	72	11	2.9	6.2	1.7	1.5	18
	9.7	32	12	8.9	39	336	10	2.7	4.9	1.7	1.3	51
21												
22	8.5	210	11	6.8	31	132	8.5	2.5	4.0	4.0	1.3	67
23	7.7	79	9.0	6.0	29	78	7.0	2.3	3.4	3.4	1.3	34
24	7.0	37	7.8	8.0	43	97	6.6	2.8	3.1	2.5	1.3	28
25	6.6	30	7.2	9.4	175	62	10	2.5	2.5	2.5	1.5	33
	6.2	52	6.4	14	505	72	14	2.2	2.3	9.7	1.5	58
26												
27	5.5	41	6.0	54	291	49	9.7	2.1	2.0	4.3	2.0	91
28	5.2	26	5.4	45	144	28	7.7	2.4	1.7	2.3	6.2	273
29	4.6	15	5.0	38	90	21	7.3	2.2	1.7	1.7	4.0	66
30	4.6	12	4.7	35	---	16	7.0	2.0	2.0	1.3	2.5	45
31	4.3	10	4.4	71	---	16	6.6	3.5	2.0	1.3	75	29
	4.0	---	4.0	66	---	15	---	10	---	1.3	23	---
TOTAL												
MEAN	313.1	926.0	326.5	763.1	1535.8	1785	855.1	175.6	451.8	64.9	242.82	986.6
MAX	10.1	30.9	10.5	24.6	54.9	57.6	28.5	5.66	15.1	2.09	7.83	32.9
MIN	33	210	43	81	505	336	182	20	91	9.7	75	273
CFSM	4.0	4.0	4.0	3.5	5.2	15	6.6	2.0	1.7	1.1	.64	3.4
IN.	.69	2.10	.71	1.67	3.73	3.92	1.94	.39	1.03	.14	.53	2.24
	.79	2.34	.83	1.93	3.89	4.52	2.16	.44	1.14	.16	.61	2.50
CAL YR 1974	TOTAL	7961.86	MEAN	21.8	MAX	405	MIN	.84	CFSM	1.48	IN	20.15
WTR YR 1975	TOTAL	8426.32	MEAN	23.1	MAX	505	MIN	.64	CFSM	1.57	IN	21.32

PEAK DISCHARGE (BASE, 400 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
02-25	0500						
03-20	1600	5.73	575	04-03	2100	5.23	465
		5.41	504	09-27	0430	5.38	498

HUDSON RIVER BASIN

01329000 BATTEN KILL AT ARLINGTON, VT.

LOCATION.--Lat 43°04'38", long 73°09'26", Bennington County, on left bank 5 ft (1.5 m) upstream from bridge on Highway 313 at Arlington and 0.9 mi (1.4 km) downstream from Warm Brook.

DRAINAGE AREA.--152 mi² (394 km²).

PERIOD OF RECORD.--Discharge: October 1928 to current year.

GAGE.--Water-stage recorder. Datum of gage is 597.68 ft (182.173 m) above mean sea level, unadjusted. Prior to Nov. 18, 1941, nonrecording gage at downstream side of bridge at same datum.

REVISIONS (WATER YEARS).--WSP 756: Drainage area. WSP 851: 1936 (maximum gage height). WSP 1302: 1929-34(M).

REMARKS.--Records excellent. Prior to 1949, diurnal fluctuation at low flow caused by mill above station.

AVERAGE DISCHARGE.--47 years, 333 ft³/s (9.431 m³/s), 29.75 in/yr (756 mm/yr).

EXTREMES.--Period of record: Maximum discharge, 11,100 ft³/s (314 m³/s) Mar. 18, 1936 (gage height, 11.3 ft or 3.44 m, from floodmarks, present site), from rating curve extended above 5,200 ft³/s (147 m³/s) on basis of slope-area measurement at gage height 10.8 ft (3.29 m) and computation of peak flow over dam; minimum, 37 ft³/s (1.05 m³/s) Sept. 25, 1964.

Current year: Peak discharges above base of 2,200 ft³/s (62.3 m³/s) and maximums (*):

Date	Time	Discharge		Gage height		Date	Time	Discharge		Gage height	
		(ft ³ /s)	(m ³ /s)	(ft)	(m)			(ft ³ /s)	(m ³ /s)	(ft)	(m)
Apr. 25	2130	2,280	64.6	6.98	2.128	Aug. 8	0930	*2,870	81.3	*7.45	2.271

Minimum discharge, 116 ft³/s (3.29 m³/s) Aug. 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	591	192	302	225	435	338	431	1290	906	157	145	305
2	464	184	337	219	352	311	398	1340	518	147	139	232
3	418	178	361	199	320	291	956	1280	335	143	131	251
4	366	195	308	216	265	272	1010	1500	704	144	126	223
5	332	264	267	202	293	259	639	1690	556	135	146	185
6	306	377	267	178	303	258	526	1510	883	129	135	176
7	282	280	253	209	288	255	469	1290	856	127	275	171
8	263	236	593	201	267	315	430	1200	748	151	2050	154
9	250	217	1270	239	256	251	402	975	543	148	1600	180
10	242	206	713	253	246	246	393	883	412	195	493	162
11	232	200	483	327	247	242	412	766	341	146	305	146
12	225	195	446	692	237	233	421	720	446	134	295	566
13	219	413	443	494	235	302	410	959	844	345	233	614
14	216	419	390	377	225	303	404	743	572	339	197	337
15	227	352	351	311	235	262	452	563	431	427	175	248
16	266	295	327	294	220	246	479	608	367	386	159	211
17	404	261	332	259	216	253	577	591	339	264	152	203
18	340	249	329	245	215	274	714	453	300	196	152	200
19	280	256	301	320	229	319	1420	389	274	168	138	217
20	250	305	288	258	224	1130	2030	349	255	237	129	373
21	230	1320	278	225	210	1520	1560	308	235	360	123	1520
22	215	1000	268	257	207	1020	1050	284	218	275	123	826
23	205	559	258	225	222	894	899	261	202	193	129	639
24	195	479	256	237	472	791	1450	242	190	184	125	664
25	202	641	258	274	921	988	2080	222	180	1260	131	822
26	204	586	230	732	621	1070	2020	212	171	449	214	895
27	197	445	231	443	437	739	1520	211	165	257	173	1050
28	189	397	243	345	369	611	1070	224	163	205	138	705
29	186	373	231	441	---	556	818	196	167	179	123	510
30	184	334	228	916	---	534	941	185	175	163	1190	421
31	193	---	224	550	---	488	---	239	---	153	660	---
TOTAL	8373	11408	11066	10363	8767	15571	26381	21683	12496	7796	10304	13206
MEAN	270	380	357	334	313	502	879	699	417	251	332	440
MAX	591	1320	1270	916	921	1520	2080	1690	906	1260	2050	1520
MIN	184	178	224	178	207	233	393	185	163	127	123	146
CFSM	1.78	2.50	2.35	2.20	2.06	3.30	5.78	4.60	2.74	1.65	2.18	2.89
IN.	2.05	2.79	2.71	2.54	2.15	3.81	6.46	5.31	3.06	1.91	2.52	3.23
CAL YR 1974	TOTAL	144099	MEAN	395	MAX	2220	MIN	97	CFSM	2.60	IN	35.27
WTR YR 1975	TOTAL	157414	MEAN	431	MAX	2080	MIN	123	CFSM	2.84	IN	38.52

01330500 KAYADEROSSERAS CREEK NEAR WEST MILTON, N.Y.

LOCATION.--Lat 43°02'18", long 73°54'35", Saratoga County, on left bank 600 ft (183 m) downstream from Glowegee Creek, 1.0 mi (1.6 km) east of West Milton, and 3.5 mi (5.6 km) northwest of Ballston Spa.

DRAINAGE AREA.--90.1 mi² (233 km²).

PERIOD OF RECORD.--July 1927 to current year.

GAGE.--Water-stage recorder. Datum of gage is 376.06 ft (114.623 m) above mean sea level.

AVERAGE DISCHARGE.--48 years, 133 ft³/s (3.767 m³/s) (20.07 in/yr or 509.8 mm/yr).

EXTREMES.--Current: Maximum discharge, 1,750 ft³/s (49.6 m³/s) Sept. 27 (gage height, 6.25 ft or 1.905 m); minimum, 27 ft³/s (0.76 m³/s) Aug. 2 (gage height, 1.30 ft or 0.396 m).

Period of record: Maximum discharge, 4,710 ft³/s (133 m³/s) Mar. 18, 1936 (gage height, 10.78 ft or 3.286 m, from floodmarks); minimum, 6.1 ft³/s (0.17 m³/s) Aug. 23, 1927 (gage height, 0.86 ft or 0.262 m); minimum daily, 12 ft³/s (0.34 m³/s) Aug. 5-9, Sept. 8, 1964.

REMARKS.--Records good except those for winter periods, which are poor. Slight occasional diurnal fluctuation at low flow caused by mills above station. Water-quality records for the current year are published in Section 2 of this report.

REVISIONS (WATER YEARS).--WSP 741: Drainage area. WSP 1202: 1935-40.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	133	54	103	66	232	239	217	160	142	50	40	169
3	103	53	104	64	170	199	227	181	114	46	37	133
4	91	52	110	64	150	177	535	187	100	44	35	117
5	80	76	103	62	140	155	735	209	110	43	35	93
	72	135	97	64	130	142	445	462	112	40	46	85
6												
7	67	204	99	64	120	134	313	260	339	39	41	82
8	62	134	95	76	110	127	278	226	247	37	70	75
9	62	99	111	92	100	120	240	184	184	36	392	68
10	56	85	382	164	94	100	222	160	133	60	211	122
	54	78	228	241	90	90	242	147	100	71	102	88
11												
12	53	73	154	240	84	86	269	137	85	52	74	75
13	53	70	134	316	80	88	271	136	187	43	62	214
14	52	211	128	245	78	88	254	263	838	51	58	235
15	52	188	131	191	78	88	239	230	444	59	59	132
	61	228	130	163	80	88	274	164	243	59	50	98
16												
17	70	167	116	150	82	88	288	184	178	66	48	85
18	103	127	131	130	82	88	331	158	184	111	46	94
19	90	112	131	110	80	110	353	132	143	65	45	96
20	74	102	116	130	80	200	430	122	116	52	39	183
	67	142	108	110	80	993	455	111	100	130	35	274
21												
22	63	575	104	98	82	1010	322	102	86	343	34	281
23	61	461	98	88	84	608	246	96	77	135	33	178
24	59	239	95	78	96	471	229	102	72	79	32	162
25	58	189	94	70	241	474	400	94	65	63	38	185
	57	211	97	130	678	534	417	82	60	177	46	365
26												
27	60	210	95	300	559	511	289	77	55	104	87	627
28	57	153	90	260	392	333	233	80	53	70	159	1370
29	54	136	86	231	293	272	205	78	55	58	93	578
30	53	122	80	247	---	258	184	69	64	45	104	310
31	53	111	76	443	---	241	171	86	57	45	947	226
	54	---	70	301	---	238	---	125	---	42	375	---
TOTAL												
MEAN	2084	4797	3696	4988	4565	8350	9314	4804	4743	2315	3473	6800
MAX	67.2	160	119	161	163	269	310	155	158	74.7	112	227
MIN	133	575	382	443	678	1010	735	462	838	343	947	1370
CFSM	52	52	70	62	78	86	171	69	53	36	32	68
IN.	.75	1.78	1.32	1.79	1.81	2.99	3.44	1.72	1.75	.83	1.24	2.52
	.86	1.98	1.53	2.06	1.88	3.45	3.85	1.98	1.96	.96	1.43	2.81
CAL YR	1974	TOTAL	52154	MEAN 143	MAX 754	MIN 24	CFSM 1.59	IN 21.53				
WTR YR	1975	TOTAL	59929	MEAN 164	MAX 1370	MIN 32	CFSM 1.82	IN 24.74				

PEAK DISCHARGE (BASE, 1,200 CFS)

DATE	TIME	G. H.	DISCHARGE
03-20	2100	5.93	1,570
09-27	0500	6.25	1,750

HUDSON RIVER BASIN

01352500 HOOSIC RIVER NEAR WILLIAMSTOWN, MASS.

LOCATION.--Lat 42°42'21", long 73°10'50", Berkshire County, on left bank 1.0 mi (1.6 km) upstream from Green River and 1.2 mi (1.9 km) east of Williamstown.

DRAINAGE AREA.--132 mi² (342 km²).

PERIOD OF RECORD.--Discharge: July 1940 to current year.
 Chemical analyses: Water years 1953-54, 1957-58, 1967-69 (partial-record station).
 Water temperatures: Water years 1957-58, 1967-68 (partial-record station).
 Sediment records: Water years 1967-69 (partial-record station).

GAGE.--Water-stage recorder. Altitude of gage is 595 ft (181 m) from topographic map.

REMARKS.--Records poor October to January; fair thereafter. Slight diurnal fluctuation at low flow prior to 1966 caused by mills above station. Some regulation by Cheshire Reservoir 17 mi (27 km) upstream.

AVERAGE DISCHARGE.--35 years, 272 ft³/s (7.703 m³/s), 27.98 in/yr (711 mm/yr).

EXTREMES.--Period of record: Maximum discharge, 13,000 ft³/s (368 m³/s) Dec. 31, 1948 (gage height, 14.85 or 4.526 m), from rating curve extended above 4,300 ft³/s (122 m³/s) on basis of contracted-opening measurement of peak flow; minimum, 5.8 ft³/s (0.16 m³/s) Aug. 30, 31, Oct. 26, 1940; minimum daily, 25 ft³/s (0.71 m³/s) Sept. 2, 1968.

Current year: Peak discharges above base of 2,400 ft³/s (68.0 m³/s) and maximums (*):

Date	Time	Discharge		Gage height		Date	Time	Discharge		Gage height	
		(ft ³ /s)	(m ³ /s)	(ft)	(m)			(ft ³ /s)	(m ³ /s)	(ft)	(m)
July 13	1730	2,750	77.9	6.39	1.948						
Aug. 8	1515	2,940	83.3	6.60	2.012						
Aug. 30	0800	*3,980	113	*7.70	2.347						

Minimum discharge, 133 ft³/s (3.77 m³/s) July 8, 9; minimum daily, 136 ft³/s (3.85 m³/s) July 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	314	237	336	271	275	332	377	640	271	174	170	288
2	263	233	377	267	254	292	363	660	258	162	158	250
3	242	225	377	250	258	280	857	660	350	158	151	250
4	221	284	350	250	245	275	980	640	629	170	151	229
5	229	404	336	242	233	275	560	700	426	151	263	209
6	225	516	336	229	237	267	477	490	1010	140	170	209
7	213	354	332	242	229	267	435	426	609	140	449	209
8	209	323	650	233	221	265	404	390	449	136	2100	189
9	205	310	817	267	217	265	381	359	377	177	968	197
10	201	306	530	271	210	267	381	336	332	197	453	181
11	197	292	449	372	205	271	408	319	301	155	359	174
12	197	288	426	580	200	267	404	363	550	140	408	242
13	193	477	413	395	197	275	386	862	1140	1210	310	250
14	193	408	390	323	195	271	386	521	761	962	271	205
15	197	381	363	292	193	258	417	426	482	817	242	189
16	292	341	354	292	189	250	440	449	413	453	217	181
17	381	328	372	275	189	258	545	408	431	332	217	177
18	263	332	354	275	189	275	639	359	381	275	201	185
19	233	323	345	288	205	306	1210	345	350	233	181	209
20	225	381	345	275	205	1600	1140	319	288	267	174	297
21	213	1090	341	270	197	1040	707	297	254	386	166	246
22	213	614	336	267	197	580	609	284	233	328	166	213
23	209	453	336	246	233	535	644	301	221	246	158	254
24	213	417	323	237	729	560	1100	263	209	217	170	301
25	225	440	323	280	1200	756	1200	242	201	718	181	773
26	225	426	306	516	660	756	950	237	189	368	181	696
27	221	381	284	332	444	506	720	233	181	275	177	823
28	213	359	288	284	368	449	580	233	170	242	162	501
29	213	354	284	332	---	426	540	217	185	213	158	395
30	217	345	284	440	---	472	620	221	213	201	1460	368
31	246	---	275	301	---	422	---	237	---	185	444	---
TOTAL	7101	11622	11632	9394	8374	13318	18860	12437	11864	9828	11036	8889
MEAN	229	387	375	303	299	430	629	401	395	317	356	246
MAX	381	1090	817	580	1200	1600	1210	862	1140	1210	2100	823
MIN	193	225	275	229	189	250	363	217	170	136	151	174
CFSM	1.73	2.93	2.84	2.30	2.27	3.26	4.77	3.04	2.99	2.40	2.70	2.24
IN.	2.00	3.28	3.28	2.65	2.36	3.75	5.32	3.50	3.34	2.77	3.11	2.51
CAL YR 1974	TOTAL	115202	MEAN 316	MAX 2070	MIN 63	CFSM 2.39	IN 32.47					
WTR YR 1975	TOTAL	134355	MEAN 368	MAX 2100	MIN 136	CFSM 2.79	IN 37.86					

01333000 GREEN RIVER AT WILLIAMSTOWN, MASS.

LOCATION.--Lat 42°42'32", long 73°11'50", Berkshire County, on left bank 0.1 mi (0.2 km) upstream from bridge on State Highway 2 at Williamstown and 0.8 mi (1.3 km) upstream from mouth.

DRAINAGE AREA.--42.6 mi² (110.3 km²).

PERIOD OF RECORD.--Discharge: September 1949 to current year.
 Chemical analyses: Water years 1967-69 (partial-record station).
 Water temperatures: Water years 1967-69 (partial-record station).
 Sediment records: Water years 1967-69 (partial-record station).

GAGE.--Water-stage recorder. Altitude of gage is 615 ft (187 m) from topographic map.

REMARKS.--Records good except those for winter period, which are fair. Slight diurnal fluctuation at times caused by mill above station.

AVERAGE DISCHARGE.--26 years, 81.5 ft³/s (2.308 m³/s), 25.98 in/yr (660 mm/yr).

EXTREMES.--Period of record: Maximum discharge, 4,060 ft³/s (115 m³/s) Dec. 21, 1973 (gage height, 5.68 ft or 1.731 m), from rating curve extended above 750 ft³/s (21.2 m³/s) on basis of slope-area measurement at gage height 4.94 ft (1.506 m); maximum gage height, 5.94 ft (1.811 m) Sept. 12, 1960; minimum discharge, 3.1 ft³/s (0.088 m³/s) Sept. 20, 22, 24, 25, 1964.
 Flood of Dec. 31, 1948, reached a stage of about 7.5 ft (2.3 m), from floodmarks.

Current year: Peak discharges above base of 850 ft³/s (24.1 m³/s) and maximums (*):

Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)
Apr. 3	1845	1,860	52.7	4.39	1.338	July 25	0145	920	26.1	3.60	1.097
July 14	1545	1,230	34.8	3.89	1.186	Aug. 8	0945	*2,390	67.7	*4.74	1.445

Minimum discharge, 23 ft³/s (0.65 m³/s) July 8, 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	160	40	90	50	110	125	131	131	77	41	57	68
3	131	38	141	47	93	110	120	141	59	37	51	62
4	110	37	126	43	83	100	830	133	114	35	46	55
5	97	53	100	47	70	90	447	149	261	34	51	46
6	85	128	86	41	72	84	280	169	172	31	85	41
7	73	157	81	40	70	85	218	139	368	28	48	57
8	67	112	80	45	66	84	180	124	275	27	235	46
9	61	99	304	41	61	95	157	114	202	25	1470	40
10	56	88	270	85	58	80	141	104	157	42	434	48
11	54	80	191	72	55	74	139	97	128	34	246	37
12	49	73	157	266	53	78	152	88	110	27	191	35
13	47	70	152	280	51	72	146	146	231	25	194	69
14	45	163	139	183	50	76	131	434	409	363	143	57
15	42	114	128	144	49	80	128	257	330	397	119	43
16	41	126	114	120	48	72	131	194	214	325	99	39
17	83	106	108	112	47	66	136	194	187	169	88	38
18	81	97	116	93	50	74	157	157	191	124	81	37
19	63	91	102	97	48	82	183	136	144	110	73	35
20	56	85	91	128	55	100	422	122	122	86	68	51
21	55	136	83	91	49	700	391	110	104	108	66	68
22	51	473	77	77	45	403	252	97	90	128	57	53
23	49	261	72	88	45	280	194	122	77	102	57	43
24	48	191	67	81	70	275	180	139	69	81	46	66
25	46	169	66	72	300	266	280	112	61	78	51	70
26	46	163	66	112	600	330	294	93	54	380	44	254
27	45	146	55	176	300	309	226	83	49	166	42	207
28	42	131	59	110	190	218	191	81	45	126	40	232
29	40	120	55	100	140	183	160	73	42	104	35	167
30	40	112	53	160	---	169	141	63	57	90	35	136
31	39	99	51	157	---	183	131	61	70	73	214	113
	45	---	49	118	---	146	---	60	---	63	83	---
TOTAL	1947	3758	3329	3276	2928	5089	6669	4123	4469	3459	4549	2313
MEAN	62.8	125	107	106	105	164	222	133	149	112	147	77.1
MAX	160	473	304	280	600	700	830	434	409	397	1470	254
MIN	39	37	49	40	45	66	120	60	42	25	35	35
CFSM	1.47	2.93	2.51	2.49	2.46	3.85	5.21	3.12	3.50	2.63	3.45	1.81
IN.	1.70	3.28	2.91	2.86	2.56	4.44	5.82	3.60	3.90	3.02	3.97	2.02
CAL YR 1974	TOTAL	37236	MEAN 102	MAX 783	MIN 12	CFSM 2.39	IN 32.52					
WTR YR 1975	TOTAL	45909	MEAN 126	MAX 1470	MIN 25	CFSM 2.96	IN 40.09					

NOTE.--No gage-height record Feb. 22 to Mar. 20.

HUDSON RIVER BASIN

01333500 LITTLE HOOSIC RIVER AT PETERSBURG, N.Y.

LOCATION.--Lat 42°45'50", long 73°20'16", Rensselaer County, on left bank 100 ft (30 m) downstream from highway bridge on dirt road, 1.0 mi (1.6 km) downstream from Petersburg, and 4.9 mi (7.9 km) upstream from mouth.

DRAINAGE AREA.--56.1 mi² (145 km²).

PERIOD OF RECORD.--July 1951 to current year.

GAGE.--Water-stage recorder. Datum of gage is 587.40 ft (179.039 m) above mean sea level.

AVERAGE DISCHARGE.--24 years, 92.6 ft³/s (2.622 m³/s) (22.42 in/yr or 569.5 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,210 ft³/s (62.6 m³/s) Aug. 8 (gage height, 6.41 ft or 1.954 m); minimum, 14 ft³/s (0.40 m³/s) July 8, 9 (gage height, 2.00 ft or 0.610 m).

Period of record: Maximum discharge, 5,000 ft³/s (142 m³/s) June 30, 1973 (gage height, 9.20 ft or 2.804 m); minimum, 1.9 ft³/s (0.054 m³/s) Sept. 11, 12, 1964.

Flood of Dec. 31, 1948, reached a stage of 9.4 ft (2.87 m), from floodmarks (discharge, 7,470 ft³/s or 212 m³/s, on basis of contracted-opening measurements of peak flow).

REMARKS.--Records good except those for winter periods, which are poor.

REVISIONS (WATER YEARS).--WSP 1702: 1959.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	105	37	121	54	130	203	156	128	43	28	41	66
2	93	35	182	50	100	168	146	134	37	25	35	56
3	85	32	168	60	84	141	818	137	50	22	30	50
4	79	57	130	51	96	123	555	130	134	21	35	43
5	71	117	119	47	100	115	390	153	105	19	76	37
6	63	176	105	51	90	103	316	132	188	18	41	42
7	57	132	103	54	78	97	257	123	166	16	334	46
8	53	119	244	43	74	111	218	113	153	15	1430	36
9	49	105	284	121	72	87	190	105	121	26	632	36
10	44	95	231	103	68	85	185	99	101	23	355	31
11	42	87	193	413	66	74	199	93	85	16	251	28
12	38	81	188	450	76	71	206	95	128	15	234	57
13	36	257	171	323	70	81	196	196	188	134	166	63
14	35	168	153	247	64	69	203	158	185	89	134	47
15	34	185	137	203	58	66	218	141	141	188	109	39
16	71	153	125	171	52	71	234	171	119	109	93	36
17	79	137	132	146	48	72	260	148	144	76	85	34
18	59	125	119	171	46	76	288	132	113	60	74	32
19	51	115	105	173	42	101	417	119	97	49	62	32
20	49	144	97	137	40	599	476	107	83	71	54	41
21	46	499	89	110	45	555	351	95	72	128	47	35
22	43	341	83	100	50	365	274	85	63	85	44	30
23	42	264	77	86	81	344	238	77	34	63	39	43
24	39	251	74	80	472	327	260	68	49	57	39	50
25	41	260	72	146	647	372	295	60	42	215	37	146
26	39	228	66	254	402	351	254	54	37	109	39	166
27	37	193	64	153	298	281	215	51	32	87	34	251
28	35	173	63	137	238	238	182	51	30	72	28	182
29	34	156	59	206	---	212	156	42	34	69	25	148
30	31	137	57	206	---	209	139	38	47	56	190	125
31	42	---	54	161	---	179	---	39	---	46	95	---
TOTAL	1622	4859	3865	4707	3687	5946	8292	3274	2821	2007	4888	2028
MEAN	52.3	162	125	152	132	192	276	106	94.0	64.7	158	67.6
MAX	105	499	284	450	647	599	818	196	188	215	1430	251
MIN	31	32	54	43	40	66	139	38	30	15	25	28
CFSM	.93	2.89	2.23	2.71	2.35	3.42	4.92	1.89	1.68	1.15	2.82	1.21
IN.	1.08	3.22	2.56	3.12	2.44	3.94	5.50	2.17	1.87	1.33	3.24	1.34
CAL YR 1974	TOTAL	37908.4	MEAN	104	MAX	655	MIN	7.0	CFSM	1.85	IN	25.14
WTR YR 1975	TOTAL	47996.0	MEAN	131	MAX	1430	MIN	15	CFSM	2.34	IN	31.83

PEAK DISCHARGE (BASE, 1,250 CFS)

DATE	TIME	G. H.	DISCHARGE
04-03	1845	5.99	1,920
08-08	1100	6.41	2,210

01334000 WALLOOMSAC RIVER NEAR NORTH BENNINGTON, VT.

LOCATION.--Lat 42°54'47", long 73°15'25", Bennington County, on left bank 0.6 mi (1.0 km) downstream from Paran Creek and 1.4 mi (2.3 km) south of North Bennington.

DRAINAGE AREA.--111 m² (287 km²).

PERIOD OF RECORD.--Discharge: June 1931 to current year.
 Chemical analyses: Water years 1953-54 (partial-record station).
 Water temperatures: Water year 1954 (partial-record station).

GAGE.--Water-stage recorder. Altitude of gage is 525 ft (160 m) from topographic map.

REVISIONS (WATER YEARS)--WSP 781: 1933(M).

REMARKS.--Records good except those for winter period and period of no gage-height record, which are fair. Occasional diurnal fluctuation at low flow caused by mills above station; diurnal fluctuation greater prior to 1960. Diversion above station for municipal supply of Bennington and North Bennington since 1961. See table below for figures of diversion.

AVERAGE DISCHARGE.--44 years, 218 ft³/s (6.174 m³/s), 26.67 in/yr (677 mm/yr).

EXTREMES.--Period of record: Maximum discharge, 8,450 ft³/s (239 m³/s) Sept. 21, 1938 (gage height, 12.04 ft or 3.670 m), from rating curve extended above 2,800 ft³/s (79.3 m³/s) on basis of contracted-opening measurements at gage heights 10.13, 10.49, 11.50, and 12.04 ft (3.088, 3.197, 3.505 and 3.670 m) and slope-area measurement and computation of flow over dam at gage height 12.04 ft (3.670 m); minimum, 4 ft³/s (0.11 m³/s) Sept. 27, 1932; minimum daily, 21 ft³/s (0.59 m³/s) Sept. 22, 23, 1964, July 12, 1965.

Current year: Peak discharges above base of 2,000 ft³/s (56.6 m³/s) and maximums (*):

Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)
Aug. 8	1000	*3,330	94.3	*7.29	2.222	Aug. 30	0730	2,990	84.7	6.89	2.100

Minimum discharge, 64 ft³/s (1.81 m³/s) July 8, 9; minimum daily, 68 ft³/s (1.93 m³/s) July 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	393	126	238	159	310	288	350	831	180	91	105	230
2	350	118	333	155	250	258	320	826	149	84	98	170
3	295	113	334	137	200	233	640	855	196	91	91	185
4	259	136	263	154	175	212	600	926	692	105	93	160
5	232	230	214	139	199	202	470	993	389	84	146	135
6												
7	212	349	213	125	212	200	420	792	697	76	110	130
8	194	229	204	147	199	200	380	697	537	72	52	125
9	178	185	652	140	186	240	350	622	477	68	2400	115
10	167	165	891	170	176	200	330	528	336	117	1200	130
11	159	153	474	180	160	190	320	486	262	170	400	120
12												
13	151	146	367	300	170	185	344	423	223	98	230	110
14	144	141	342	500	160	180	352	415	477	86	220	450
15	140	335	329	350	160	230	340	730	843	477	170	400
16	136	326	301	270	155	230	336	459	523	406	145	250
17	149	301	273	230	155	200	364	364	352	617	130	190
18												
19	182	248	255	200	155	190	381	472	292	348	120	160
20	353	217	271	180	152	200	445	389	285	206	110	150
21	230	204	258	170	152	210	504	320	237	152	110	150
22	181	212	233	220	173	250	1120	285	212	127	105	160
23	164	262	220	180	164	900	1090	250	192	219	96	220
24												
25	153	1120	211	160	149	780	675	225	167	377	90	500
26	144	627	203	180	149	472	566	200	149	233	90	277
27	140	418	192	155	183	459	602	190	138	161	94	377
28	135	381	192	165	697	475	1070	173	127	141	92	377
29	134	510	197	220	950	750	1310	155	117	622	96	586
30												
31	143	444	167	500	523	700	1020	146	107	288	160	576
TOTAL	133	351	170	330	372	580	780	144	102	192	130	830
MEAN	125	313	178	250	312	500	576	144	102	155	100	518
MAX	120	295	165	350	---	450	566	125	102	144	90	394
MIN	118	263	164	650	---	430	714	125	105	127	1700	320
CFSM	125	---	156	420	---	390	---	144	---	114	500	---
IN.	5739	8918	8660	7486	6998	10984	17335	13434	8767	6248	9763	8495
(†)	185	297	279	241	250	354	578	433	292	202	315	283
	393	1120	891	650	950	900	1310	993	843	622	2400	830
	118	113	156	125	149	180	320	125	102	68	90	110
	1.67	2.68	2.51	2.17	2.25	3.19	5.21	3.90	2.63	1.82	2.84	2.55
	1.92	2.99	2.90	2.51	2.35	3.68	5.81	4.50	2.94	2.09	3.27	2.85
	6.29	5.57	5.60	5.79	5.73	5.97	7.89	5.15	5.13	4.32	5.80	5.68
CAL YR 1974	TOTAL	98188	MEAN 269	MAX 1540	MIN 49	CFSM 2.42	IN 32.91	(†) 5.13				
WTR YR 1975	TOTAL	112827	MEAN 309	MAX 2400	MIN 68	CFSM 2.78	IN 37.81	(†) 5.74				

† Diversion, in cubic feet per second, for municipal supply of Bennington and North Bennington; records furnished by town of Bennington.

NOTE.--No gage-height record Aug. 9 to Sept. 19.

01334500 HOOSIC RIVER NEAR EAGLE BRIDGE, N.Y.

LOCATION.--Lat 42°56'19", long 73°22'39", Rensselaer County, on right bank 0.5 mi (0.8 km) upstream from Case Brook, 1.2 mi (1.9 km) downstream from Walloomsac River and 1.2 mi (1.9 km) southeast of Eagle Bridge.

DRAINAGE AREA.--510 mi² (1,321 km²).

PERIOD OF RECORD.--August 1910 to March 1922, July 1923 to current year.

GAGE.--Water-stage recorder. Datum of gage is 355.41 ft (108.329 m) above mean sea level. Prior to March 1922, nonrecording gage and July 24, 1923 to July 18, 1936, water-stage recorder, at site 0.2 mi (0.3 km) upstream at different datums.

AVERAGE DISCHARGE.--63 years (1910-21, 1923-75), 922 ft³/s (26.11 m³/s) (24.53 in/yr or 623.1 mm/yr).

EXTREMES.--Current year: Maximum discharge, 13,800 ft³/s (391 m³/s) Aug. 8 (gage height, 11.05 ft or 3.368 m); minimum, 55 ft³/s (1.56 m³/s) July 9 (gage height, 1.94 ft or 0.591 m); minimum daily, 237 ft³/s (6.74 m³/s) July 8.

Period of record: Maximum discharge, 55,400 ft³/s (1,570 m³/s) Dec. 31, 1948 (gage height, 21.15 ft or 6.447 m), from highwater mark in gage house), from rating curve extended above 13,000 ft³/s (368 m³/s) on basis of peak flow over downstream dams and contracted-opening measurements at gage heights 17.8 ft (5.42 m) and 21.15 ft (6.447 m); minimum, 24 ft³/s (0.68 m³/s) Sept. 14, 1913; minimum daily, 30 ft³/s (0.85 m³/s) Sept. 14, 1913.

REMARKS.--Records good except those for winter periods, which are poor. Diurnal fluctuation at medium and low flow caused by powerplants above station.

REVISIONS (WATER YEARS).--WSP 741: Drainage area. WSP 756: 1913(M). WSP 1302: 1922(M). WSP 1432: 1913 (minimum gage height). WSP 1502: 1911-12, 1914, 1920-21, 1928(M), 1936(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1530	495	1110	654	1300	1650	1460	2440	819	427	507	1210
2	1330	459	1400	625	1000	1390	1390	2380	698	347	459	863
3	1140	432	1640	526	880	1280	5150	2480	632	320	421	889
4	1030	538	1260	611	760	1140	6200	2470	2470	342	396	777
5	916	963	1030	538	1100	1050	3280	2850	1670	311	745	683
6	854	1780	1000	465	1100	1040	2550	2290	2950	276	532	639
7	769	1210	935	577	854	1010	2170	1910	2800	258	1450	753
8	698	991	1970	545	777	1240	1900	1730	2000	237	10500	591
9	646	880	3810	871	753	935	1690	1500	1530	244	6280	571
10	611	802	2230	1100	820	889	1700	1380	1240	571	2730	513
11	577	745	1740	1920	780	907	1870	1240	1070	342	1910	454
12	545	698	1610	3470	740	828	1970	1170	1450	291	1830	683
13	520	1630	1600	2270	720	916	1890	2990	3840	2050	1420	1050
14	501	1580	1430	1770	720	916	1840	2120	3110	2570	1180	713
15	513	1470	1300	1450	800	802	2020	1620	1890	3220	991	584
16	639	1290	1200	1320	760	737	2080	1760	1510	1780	863	526
17	1360	1140	1280	1170	720	836	2390	1600	1570	1130	802	501
18	880	1070	1220	1010	700	889	2770	1340	1310	869	753	477
19	683	1020	1110	1440	680	1030	4570	1210	1190	676	625	471
20	611	1110	1040	1170	640	5170	5500	1090	991	848	558	802
21	564	5110	1000	828	577	5520	3500	953	786	1260	513	1330
22	526	3670	953	800	545	3040	2720	854	698	1150	495	880
23	513	2270	898	720	729	2830	2590	944	632	788	477	1010
24	489	2000	863	650	3440	2650	3840	802	571	669	459	1190
25	489	2230	854	1050	6490	3500	4740	690	520	2690	551	2260
26	520	2040	753	2590	3620	3560	3890	639	465	1560	526	3050
27	483	1660	698	1580	2340	2290	3080	591	443	1060	513	3460
28	454	1490	769	1270	1860	1960	2330	604	421	840	421	2380
29	477	1370	690	1660	---	1830	2120	526	390	745	381	1770
30	411	1230	683	2460	---	1870	2200	489	526	639	4870	1490
31	465	---	639	1560	---	1740	---	584	---	564	2140	---
TOTAL	21744	43373	38715	38680	36205	55445	85400	45246	40192	29074	46298	32570
MEAN	701	1446	1249	1248	1293	1789	2847	1460	1340	938	1493	1086
MAX	1530	5110	3810	3470	6490	5520	6200	2990	3840	3220	10500	3460
MIN	411	432	639	465	545	737	1390	489	390	237	381	454
CFSM	1.37	2.84	2.45	2.45	2.54	3.51	5.58	2.86	2.63	1.84	2.93	2.13
IN.	1.59	3.16	2.82	2.82	2.64	4.04	6.23	3.30	2.93	2.12	3.38	2.38

CAL YR 1974 TOTAL 422065 MEAN 1156 MAX 7120 MIN 168 CFSM 2.27 IN 30.79
WTR YR 1975 TOTAL 512942 MEAN 1405 MAX 10500 MIN 237 CFSM 2.75 IN 37.41

PEAK DISCHARGE (BASE, 7,400 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
11-21	1700	8.42	7,420	04-03	2200	10.35	11,800
02-25	0045	8.50	7,590	08-08	1630	11.05	13,800
03-20	2230	9.03	8,710	08-30	1330	9.03	8,710

01336000 MOHAWK RIVER BELOW DELTA DAM, NEAR ROME, N.Y.

LOCATION.--Lat 43°15'52", long 75°26'12", Oneida County, on right bank at Rome Fish Hatchery, 1.0 mi (1.6 km) downstream from Delta Dam and 4.0 mi (6.4 km) north of Rome.

DRAINAGE AREA.--150 mi² (389 km²).

PERIOD OF RECORD.--July 1921 to current year. Monthly discharge only for some periods, published in WSP 1302.

GAGE.--Water-stage recorder. Datum of gage is 474.00 ft (144.475 m) above mean sea level (Barge Canal datum). Prior to Jan. 24, 1937, nonrecording gage at site 200 ft (61 m) downstream at same datum.

AVERAGE DISCHARGE.--54 years, 376 ft³/s (10.65 m³/s) (unadjusted).

EXTREMES.--Current year: Maximum discharge, 4,530 ft³/s (128 m³/s) Sept. 26 (gage height, 8.44 ft or 2.573 m); minimum, 174 ft³/s (4.93 m³/s) July 2 (gage height, 1.79 ft or 0.546 m); minimum daily, 181 ft³/s (5.13 m³/s) July 14, 18.
 Period of record: Maximum discharge, 8,560 ft³/s (242 m³/s) Oct. 2, 1945 (gage height, 11.18 ft or 3.408 m); minimum, 30 ft³/s (0.85 m³/s) Sept. 27, 1945 (gage height, 0.65 ft or 0.198 m); minimum daily, 45 ft³/s (1.27 m³/s) Jan. 17, 1931.

REMARKS.--Records good. During canal navigation season, water is diverted from Black River through Forestport feeder and Black River Canal (flowing south) into basin above Delta Reservoir (see station 04252000). Flow regulated by Delta Reservoir (usable capacity, 2,800 mil ft³ or 79.0 hm³) except for Apr. 24 to May 7, Sept. 26-30 when reservoir spilled. Small quantity of water diverted from Delta Reservoir for fish hatchery use and later returned to river, part above and part below station. Water-quality records for the current year are published in Section 2 of this report.

REVISIONS.--WSP 851: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	208	198	547	540	434	591	313	684	193	186	183	208
3	208	198	552	536	431	587	344	685	193	185	246	211
4	208	198	553	532	427	587	442	648	194	183	208	212
5	208	201	547	528	427	583	559	655	194	183	208	208
	206	215	544	528	427	579	543	742	201	183	208	206
6												
7	205	220	543	524	516	579	535	697	209	183	208	207
8	204	209	543	524	607	497	532	648	204	183	210	207
9	200	207	590	524	607	456	332	639	199	183	210	205
10	200	204	596	487	603	452	371	428	197	183	210	205
	200	203	563	434	603	449	520	281	197	183	208	205
11												
12	198	203	559	482	599	449	524	281	195	183	208	205
13	198	203	556	464	595	445	524	275	199	183	208	310
14	200	253	556	441	591	452	524	253	206	183	208	229
15	200	215	559	431	587	452	528	253	203	181	208	222
	217	216	555	431	587	449	532	251	201	182	208	215
16												
17	208	209	551	431	583	445	535	252	199	182	208	213
18	206	214	463	427	579	445	547	253	198	182	208	213
19	206	221	278	427	575	449	547	250	195	181	208	214
20	203	221	278	427	575	338	607	250	193	183	206	236
	203	295	451	427	575	348	648	250	193	184	206	225
21												
22	203	509	547	420	471	278	636	250	193	188	205	220
23	201	569	547	417	338	270	740	250	193	184	205	217
24	200	559	547	417	338	278	860	250	193	183	205	217
25	200	572	543	417	388	307	860	250	193	183	205	235
	200	576	543	424	449	361	960	250	193	188	204	449
26												
27	200	563	543	449	385	338	842	249	193	184	202	3300
28	200	552	543	434	371	320	674	248	190	183	203	3000
29	200	551	543	434	512	320	563	216	186	183	203	1460
30	196	551	543	449	---	320	568	190	186	183	206	860
31	198	549	543	460	---	320	677	190	186	183	249	582
	198	---	540	438	---	316	---	192	---	183	211	---
TOTAL												
MEAN	6282	9854	16366	14304	14180	13060	17387	11210	5869	5684	6473	14896
MAX	203	328	528	461	506	421	580	362	196	183	209	497
MIN	217	576	596	540	607	591	960	742	209	188	249	3300
	196	198	278	417	338	270	313	190	186	181	183	205

CAL YR 1974 TOTAL 159535 MEAN 437 MAX 2990 MIN 160 MEAN ± 391 CFSM ± 2.61 IN ± 36.35
 WTR YR 1975 TOTAL 135565 MEAN 371 MAX 3300 MIN 181 MEAN ± 372 CFSM ± 2.48 IN ± 33.68

* Adjusted for change in contents in Delta Reservoir and diversion from Black River basin.

HUDSON RIVER BASIN

01346000 WEST CANADA CREEK AT KAST BRIDGE, N.Y.

LOCATION.--Lat 43°04'08", long 74°59'26", Herkimer County, on left bank 600 ft (183 m) downstream from bridge on old State Highway 28 at Kast Bridge, 1.2 mi (1.9 km) downstream from North Creek, 2.2 mi (3.5 km) north of Herkimer, and 4.0 mi (6.4 km) upstream from mouth.

DRAINAGE AREA.--556 mi² (1,440 km²).

PERIOD OF RECORD.--May 1905 to December 1906 (gage heights and discharge measurements only), January 1907, April to December 1907, March 1908 to December 1909, April 1910 to December 1913, April to December 1914, April 1915 to January 1917, April to November 1917, April to June 1918, October 1920 to current year. Monthly discharge only for some periods, published in WSP 1302.

GAGE.--Water-stage recorder. Datum of gage is 438.99 ft (133.804 m) above mean sea level. Prior to Sept. 18, 1920, nonrecording gage at former highway bridge 500 ft (152 m) upstream at different datum.

AVERAGE DISCHARGE.--55 years (1920-75), 1,302 ft³/s (36.87 m³/s) (unadjusted).

EXTREMES.--Current year: Maximum discharge, 10,500 ft³/s (297 m³/s) Aug. 30 (gage height, 6.13 ft or 1.868 m); minimum 170 ft³/s (4.81 m³/s) Aug. 2 (gage height, 1.71 ft or 0.521 m); minimum daily, 257 ft³/s (7.28 m³/s) Aug. 21.

Period of record: Maximum discharge, 23,300 ft³/s (660 m³/s) Mar. 26, 1913, from reports of State Engineer and Surveyor; maximum gage height, 10.47 ft (3.191 m) probably Feb. 17, 1943, from floodmark in gage well (ice jam); minimum discharge, 20 ft³/s (0.57 m³/s) Sept. 3, 1929 (gage height, 0.90 ft or 0.274 m); minimum daily, 59 ft³/s (1.67 m³/s) Sept. 2, 1929.

REMARKS.--Records fair. Since March 1914, flow regulated by Hinckley Reservoir, 31 mi (50 km) above station (usable capacity, 3,320 mil ft³ (94.0 hm³) except for May 14-29, June 5-23, Sept. 25-30 when reservoir spilled. Diurnal fluctuation at low and medium flow caused by power-plants above station. Diversion at Trenton Falls, 26 mi (42 km) above station, by Ninemile feeder since 1915 during canal navigation season. Diversion from Hinckley Reservoir for Utica water supply returned to Mohawk River.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	860	824	1240	1500	1350	1610	2070	2850	848	660	362	583
2	758	896	1340	1460	1190	1340	1770	3220	750	640	371	848
3	766	836	1480	1450	1180	1460	3050	3160	812	680	362	920
4	667	980	1250	1450	1150	2250	2700	3310	944	592	354	620
5	587	1350	1260	1220	1380	2220	2200	3590	1040	422	331	473
6	596	1580	1280	1260	1430	2070	1910	3180	1840	498	289	640
7	695	1150	1220	1700	1240	2070	1680	3240	1610	575	515	630
8	767	1030	2940	1600	1240	2090	1150	2890	2000	730	464	690
9	706	992	2830	1620	1170	1960	1110	2640	1500	650	317	740
10	685	824	2680	1610	1150	1860	1080	2420	1370	566	296	660
11	704	956	2720	2890	1210	1730	1120	2050	1040	549	282	690
12	795	896	2250	2460	1250	1610	1210	1950	1180	473	275	2680
13	751	2980	1690	1750	1180	1280	1110	1320	1560	396	282	1400
14	832	1610	1610	1480	980	1110	1000	1280	1750	650	331	780
15	1330	1290	1190	1370	1180	1040	1340	1040	1220	464	282	800
16	1110	1260	1280	1290	1170	920	1480	1370	1100	630	282	908
17	928	1260	1180	1190	1120	884	2230	1260	968	630	282	1040
18	1000	1190	1250	1170	1140	1030	2580	1450	750	524	269	956
19	858	1240	1170	1180	1340	1800	4000	1500	690	630	263	2090
20	788	1540	1120	1070	1210	4930	3220	1290	558	824	263	1710
21	912	3240	1140	1080	1220	2760	2740	1020	740	740	257	1400
22	891	1800	1120	1140	1190	2620	2740	932	710	583	324	1050
23	903	1320	1260	1170	1210	2960	2760	944	566	447	275	1260
24	955	1690	1430	1110	3710	2830	3640	670	740	549	362	1460
25	1020	2160	1210	1320	4380	3710	3330	541	592	896	354	3330
26	848	1500	1420	1980	2270	3050	3050	558	750	524	464	4560
27	836	1310	1280	1430	1730	2320	2960	790	680	405	583	6870
28	920	1260	1400	1370	1480	2090	2980	800	680	447	379	5260
29	944	1320	1290	2220	---	2320	2830	750	541	498	396	3400
30	848	1210	1400	2270	---	2250	2870	740	570	473	3890	2300
31	848	---	1320	1560	---	2180	---	956	---	371	824	---
TOTAL	26108	41494	47250	47370	41450	64354	67910	53711	30099	17716	14580	50748
MEAN	842	1383	1524	1528	1480	2076	2264	1733	1003	571	470	1692
MAX	1330	3240	2940	2890	4380	4930	4000	3590	2000	896	3890	6870
MIN	587	824	1120	1070	980	884	1000	541	541	371	257	473
CAL YR 1974	TOTAL	544224	MEAN	1491	MAX	7340	MIN	338				
WTR YR 1975	TOTAL	502790	MEAN	1378	MAX	6870	MIN	257				

CAL YR 1974 TOTAL 544224 MEAN 1491 MAX 7340 MIN 338
WTR YR 1975 TOTAL 502790 MEAN 1378 MAX 6870 MIN 257

01347000 MOHAWK RIVER NEAR LITTLE FALLS, N.Y.

LOCATION.--Lat 43°00'52", long 74°46'48", Herkimer County, on left bank 1,800 ft (549 m) downstream from Rocky Rift Dam, 2.1 mi (3.4 km) upstream from East Canada Creek, and 4.5 mi (7.2 km) southeast of city of Little Falls.

DRAINAGE AREA.--1,348 mi² (3,491 km²).

PERIOD OF RECORD.--October 1927 to current year.

GAGE.--Water-stage recorder. Datum of gage is 308.84 ft (94.134 m) above mean sea level, (levels by Corps of Engineers).

AVERAGE DISCHARGE.--48 years, 2,751 ft³/s (77.91 m³/s).

EXTREMES.--Current year: Maximum discharge (river channel only), 16,000 ft³/s (453 m³/s) Feb. 25 (gage height, 13.52 ft or 4.121 m); minimum (river channel only), 610 ft³/s (17.3 m³/s) Sept. 15 (gage height, 4.67 ft or 1.423 m); minimum daily (river channel only), 780 ft³/s (22.1 m³/s) Aug. 22, 23.

Period of record: Maximum discharge (river channel only), 27,200 ft³/s (770 m³/s) Mar. 5, 1964 (gage height, 18.33 ft (5.587 m) from high-water mark in gage house); minimum (river channel only), 214 ft³/s (6.06 m³/s) Aug. 18, 1949 (gage height, 3.75 ft or 1.143 m); minimum daily (including canal), probably not less than 463 ft³/s (13.1 m³/s) Sept. 2, 1934.

REMARKS.--Records poor. Records of daily discharge do not include diversion at Rocky Rift Dam into Erie (Barge) Canal for lockages at Lock 16, near St. Johnsville. Monthly and annual figures of diversion at Rocky Rift Dam are published separately below. During canal navigation season, water is received from Black River basin through Black River Canal flowing south (see station 04252000), and from Chenango River basin through Oriskany Creek feeder. Water is diverted into (or may occasionally be received from Oswego River basin through summit level of Erie (Barge) Canal between New London and Utica. Diurnal fluctuation caused by powerplants and locks and dams on Erie (Barge) Canal. Regulation by Delta and Hinckley Reservoirs (combined usable capacity, 6,120 mil ft³ or 173 hm³) (see Hudson River basin, Reservoirs in).

REVISIONS (WATER YEARS).--WSP 741: 1929(M), Drainage area. WSP 1302: 1901, 1932(M). WSP 1432: 1928-30.

DISCHARGE IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	1960	1100	2590	3020	4200	5040	3830	4610	1500	1260	892	1200
3	1660	1540	2580	2910	2990	3960	3700	5680	2600	1150	850	1500
4	1630	1500	3350	2760	2690	3620	5490	6090	1800	1200	957	1800
5	1510	1610	2960	2820	2680	4300	7690	5680	2400	1110	957	1600
	1340	2500	3970	2580	2390	4170	6870	7240	2600	900	1320	1100
6												
7	1300	4220	3300	2530	2730	3920	5530	5920	5000	962	1050	1390
8	1370	3250	3410	2710	2720	3890	4360	6710	6400	1010	1470	1360
9	1390	2350	5760	2690	2650	4180	3860	5790	3500	1040	1630	1350
10	1340	2030	9530	3520	2590	3870	2600	4640	2300	1150	1150	1560
	1270	1800	8210	4050	2490	3480	2690	4110	1900	1390	997	1300
11												
12	1290	1790	7100	7340	2620	3280	3420	3350	1600	1220	935	1270
13	1380	1740	5270	7690	2570	3100	3460	3320	2100	1020	921	3420
14	1350	7630	4190	6650	2460	3130	3520	2730	6800	886	929	4540
15	1390	5980	4080	4800	2390	3360	2800	2560	2900	1070	951	2490
	2300	3800	3740	3490	2440	2880	3750	2150	2300	991	922	1780
16												
17	2950	3050	3440	3100	2490	2530	4260	2820	1800	1140	846	1810
18	2010	2670	3200	2770	2500	2440	5490	2630	1930	1480	843	1960
19	2030	2770	3130	2700	2530	2940	6540	2660	1550	1250	847	1860
20	1800	7370	2710	2750	2850	4470	8350	2460	1460	1520	846	3460
	1610	2920	2580	2600	2860	12200	8050	2250	1210	1100	803	4230
21												
22	1680	8310	2660	2290	2760	9750	5960	2040	1350	2900	813	4060
23	1800	6710	2700	2450	2560	8990	4880	1790	1360	2000	780	2700
24	2100	4950	2760	2360	3110	7740	4730	2000	1190	1900	780	1600
25	2600	4290	2980	2310	10300	6690	6320	2600	1320	1100	920	2100
	2200	6720	2770	2530	14200	8050	7010	1800	1190	2380	1000	3400
26												
27	2100	5230	2900	4560	12100	7940	6020	1200	1310	1790	1200	6800
28	2300	3460	2730	4060	9400	5830	5370	1400	1270	1260	1800	13000
29	1700	3010	2870	3250	6520	4350	5050	1500	1250	1010	1400	11000
30	1400	3140	2760	3970	---	4380	4550	1600	1140	1070	1300	9000
31	1600	2880	2870	7540	---	4280	4570	1500	1240	1010	6000	6920
	1900	---	2770	5900	---	4100	---	1500	---	914	1700	---
TOTAL												
MEAN	54260	104920	115870	114700	114790	152860	150720	102330	66270	40183	37809	101560
MAX	1750	3497	3737	3700	4099	4930	5024	3300	2209	1296	1219	3385
MIN	2950	8310	9530	7690	14200	12200	8350	7240	6800	2900	6000	13000
(*)	1270	1100	2580	2290	2390	2440	2600	1200	1140	886	780	1100
	15.4	8.78	15.4	0	0	0	2.93	16.1	22.0	24.9	19.4	16.5

CAL YR	1974	TOTAL	1193711	MEAN	3270	MAX	14400	MIN	816	≠	10.8
WTR YR	1975	TOTAL	1156272	MEAN	3167	MAX	14200	MIN	780	≠	8.49

PEAK DISCHARGE (BASE, 16,000 CFS)

DATE	TIME	G. H.	DISCHARGE
02-25	0130	13.52	16,000

(*) Diversion, equivalent in cubic feet per second, at Rocky Rift Dam into Erie (Barge) Canal for Lockages at Lock 16.

01348000 EAST CANADA CREEK AT EAST CREEK, N.Y.

LOCATION.--Lat 43°01'00", long 74°44'28", Herkimer County, on right bank at village of East Creek, 0.2 mi (0.3 km) downstream from Niagara Mohawk Power Corp. Beardslee powerplant, 1.2 mi (1.9 km) upstream from mouth, and 3.5 mi (5.6 km) northwest of St. Johnsville.

DRAINAGE AREA.--291 mi² (754 km²).

PERIOD OF RECORD.--December 1945 to current year.

GAGE.--Water-stage recorder. Datum of gage is 335.70 ft (102.321 m) above mean sea level.

AVERAGE DISCHARGE.--29 years (1946-75), 664 ft³/s (18.80 m³/s).

EXTREMES.--Current year: Maximum discharge, 7,050 ft³/s (200 m³/s) Apr. 19 (gage height, 5.90 ft or 1.798 m); minimum, 3.6 ft³/s (0.102 m³/s) Oct. 3, (gage height, 0.73 ft or 0.223 m); minimum daily, 27 ft³/s (0.765 m³/s) Aug. 23, 24, 25.

Period of record: Maximum discharge, 12,200 ft³/s (346 m³/s) Mar. 30, 1951 (gage height, 7.03 ft (2.143 m)); minimum, 0.6 ft³/s (0.017 m³/s) Sept. 7, 1947; minimum gage height, 0.51 ft (0.155 m) Oct. 13, 14, 1968; minimum daily discharge, 0.7 ft³/s (0.020 m³/s) Oct. 13-16, 1968.

Maximum stage known, 9.0 ft (2.74 m) Oct. 2, 1945, from floodmarks (discharge, 24,000 ft³/s (680 m³/s), from slope-area measurement of peak flow).

REMARKS.--Records good. Extensive diurnal fluctuation and slight regulation caused by powerplants above station. City of Little Falls diverts about 5 ft³/s (0.14 m³/s) for municipal supply. Water-quality records for the current year are published in Section 2 of this report for station (01348002) near St. Johnsville, 0.6 mi (1.0 km) downstream.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	661	441	280	275	1160	1360	684	2150	803	98	35	1560
2	571	232	586	373	812	1010	877	2280	768	242	34	615
3	133	37	645	467	993	924	1090	2350	768	202	34	717
4	73	529	494	246	645	708	1180	2050	638	35	133	768
5	361	840	397	35	300	858	1260	3080	571	35	55	522
6	246	944	361	409	487	550	924	2510	1280	34	34	332
7	441	1010	332	460	600	630	934	2120	1950	34	434	246
8	106	840	867	265	630	630	768	1750	1560	38	578	305
9	285	692	2850	564	39	285	840	1290	1020	73	338	586
10	311	379	2180	668	578	409	759	812	993	57	63	355
11	349	428	1520	717	441	441	700	645	821	133	630	403
12	344	536	1010	973	280	415	717	692	593	38	59	1930
13	77	1770	867	795	571	529	630	717	1350	71	35	3670
14	206	2090	717	600	177	615	768	812	1430	39	34	1950
15	557	1590	708	645	270	487	886	494	777	355	33	1250
16	630	1250	777	550	367	147	812	522	973	232	32	676
17	973	812	638	422	385	795	1400	668	708	338	32	708
18	734	915	467	232	557	550	2510	480	849	349	33	915
19	460	886	550	37	332	777	3830	316	501	35	37	1140
20	373	905	344	623	344	1670	5230	210	441	154	397	3000
21	508	1870	708	151	280	2890	3540	428	202	615	158	2710
22	403	2110	165	316	290	2420	2280	557	34	251	28	1950
23	349	1580	454	522	344	1810	2260	246	385	130	27	1520
24	428	924	280	295	1130	1640	4290	373	285	193	27	1540
25	333	1380	480	332	2390	1890	4760	42	42	316	27	1540
26	109	1520	593	1010	2610	2020	3540	34	82	38	29	4100
27	38	1230	165	1070	1990	1350	2820	428	57	260	460	3520
28	409	973	82	867	1430	1210	2130	265	35	305	409	2170
29	275	840	409	944	---	1100	1810	280	37	215	316	1500
30	280	661	623	1640	---	821	1870	422	290	35	3170	1180
31	237	---	379	1500	---	915	---	515	---	165	2280	---
TOTAL	11260	30214	20928	18003	20432	31856	56099	29538	20243	5115	9991	43378
MEAN	363	1007	675	581	730	1028	1870	953	675	165	322	1446
MAX	973	2110	2850	1640	2610	2890	5230	3080	1950	615	3170	4100
MIN	38	37	82	35	39	147	630	34	34	34	27	246
CAL YR 1974	TOTAL	267019.1	MEAN	732	MAX	7020	MIN	1.1				
WTR YR 1975	TOTAL	297057.0	MEAN	814	MAX	5230	MIN	27				

PEAK DISCHARGE (BASE, 7,000 CFS)

DATE	TIME	G. H.	DISCHARGE
04-19	2345	5.90	7.050

01349000 OTSQUAGO CREEK AT FORT PLAIN, N.Y.

LOCATION.--Lat 42°55'46", long 74°37'35", Montgomery County, on left bank 25 ft (8 m) downstream from bridge on State Highway 163 in Fort Plain, and 0.5 mi (0.8 km) upstream from mouth.

DRAINAGE AREA.--59.2 mi² (153 km²).

PERIOD OF RECORD.--October 1949 to current year.

GAGE.--Water-stage recorder. Datum of gage is 302.16 ft (92.098 m) above mean sea level. Prior to Oct. 1, 1973, at datum 1.00 ft (0.305 m) higher.

AVERAGE DISCHARGE.--26 years, 81.2 ft³/s (2.300 m³/s) (18.63 in/yr or 473.2 mm/yr).

EXTREMES.--Current year: Maximum discharge, 4,620 ft³/s (131 m³/s) Feb. 24 (gage height, 7.34 ft or 2.237 m); minimum, 5.2 ft³/s (0.147 m³/s) Aug. 2 (gage height, 1.08 ft or 0.329 m).

Period of record: Maximum discharge, 9,640 ft³/s (273 m³/s) July 3, 1974 (gage height, 9.67 ft or 2.947 m), from rating curve extended above 6,000 ft³/s (170 m³/s) on basis of slope-area measurement at gage height of 9.24 ft (2.816 m); minimum, 0.6 ft³/s (0.017 m³/s) Nov. 30, 1964.

REMARKS.--Records good except those for winter periods, which are poor. Occasional diurnal fluctuation at low flow, cause unknown.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	12	40	44	94	132	65	46	19	7.4	5.8	36
2	26	12	40	45	68	102	60	194	15	7.0	5.6	39
3	23	12	44	50	56	84	965	113	19	7.0	5.4	35
4	19	15	50	58	45	62	186	228	49	6.2	10	23
5	18	106	90	50	70	60	130	236	50	6.2	11	16
6												
7	16	190	91	49	110	58	108	156	231	7.4	7.4	20
8	15	64	65	54	94	89	89	328	169	6.6	28	19
9	14	42	300	48	84	235	77	104	98	6.1	113	16
10	14	34	545	150	76	80	80	74	97	6.6	34	27
11	14	29	150	320	72	60	128	59	53	7.4	16	20
12	14	26	96	384	70	56	162	51	36	8.2	11	14
13	13	25	80	460	72	48	135	60	130	6.6	9.2	32
14	13	724	82	195	74	150	113	140	274	6.2	7.8	39
15	13	134	106	122	70	118	134	122	92	6.6	7.0	24
16	17	118	86	82	66	68	150	58	53	6.2	6.1	17
17	28	72	68	73	61	56	182	139	45	7.8	6.1	15
18	41	57	72	64	56	122	219	64	45	9.7	6.1	17
19	25	50	62	57	54	242	193	49	34	6.6	6.1	17
20	18	44	57	58	80	400	310	43	28	6.6	5.6	61
21	15	242	54	58	140	1700	191	36	26	37	5.4	94
22	15	660	48	160	100	282	118	32	20	59	5.4	175
23	14	175	48	140	90	171	86	28	18	16	5.3	59
24	15	87	45	130	140	237	76	24	15	9.7	5.3	47
25	13	196	46	160	1800	263	145	21	14	11	6.4	130
26	13	357	46	200	1280	481	137	18	12	52	6.2	791
27	14	133	45	260	460	232	90	16	11	17	7.8	459
28	13	71	45	108	242	103	69	20	10	9.7	8.2	375
29	12	65	45	94	157	87	60	21	10	7.4	5.9	123
30	12	53	45	300	---	80	52	14	11	6.6	8.3	76
31	12	40	44	536	---	83	47	18	9.2	6.1	641	57
TOTAL	12	---	44	157	---	75	---	22	---	5.9	77	---
MEAN	523	3845	2679	4666	5781	6016	4557	2534	1693.2	369.8	1083.4	2873
MAX	16.9	128	86.4	151	206	194	152	81.7	56.4	11.9	34.9	95.8
MIN	41	724	545	536	1800	1700	965	328	274	59	641	791
CFSM	12	12	40	44	45	48	47	14	9.2	5.9	5.3	14
IN.	.29	2.16	1.46	2.55	3.48	3.28	2.57	1.38	.95	.20	.59	1.62
	.33	2.42	1.68	2.93	3.63	3.78	2.86	1.59	1.06	.23	.68	1.81

CAL YR	1974	TOTAL	37882.4	MEAN	104	MAX	2900	MIN	6.4	CFSM	1.76	IN	23.80
WTR YR	1975	TOTAL	36620.4	MEAN	100	MAX	1800	MIN	5.3	CFSM	1.69	IN	23.01

PEAK DISCHARGE (BASE, 2,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
11-13	0930						
02-24	1600	5.90	2,580	03-20	1445	6.11	2,950
		7.34	4,620	04-03	1600	6.57	3,460

01350000 SCHOHARIE CREEK AT PRATTSVILLE, N.Y.

LOCATION.--Lat 42°19'15", long 74°26'10", Greene County, on left bank 100 ft (30 m) upstream from bridge on State Highway 23 in Prattsville, 0.2 mi (0.3 km) upstream from Schoharie Reservoir, 0.2 mi (0.3 km) downstream from Huntersfield, and 1.6 mi (2.6 km) downstream from Batavia Kill.

DRAINAGE AREA.--236 mi² (611 km²).

PERIOD OF RECORD.--November 1902 to current year. Monthly discharge only for some periods, published in WSP 1302.

GAGE.--Water-stage recorder. Datum of gage is 1,131.57 ft (344.902 m) above mean sea level. Prior to Oct. 1, 1915, nonrecording gage, and Oct. 1, 1915, to July 17, 1936, water-stage recorder, at old highway bridge 80 ft (24 m) upstream, and July 18, 1936 to July 15, 1954, water-stage recorder at site 0.2 mi (0.3 km) downstream, all at datum 1.56 ft (0.475 m) lower than present datum.

AVERAGE DISCHARGE.--72 years (1903-75), 452 ft³/s (12.80 m³/s) (26.01 in/yr or 660.7 mm/yr).

EXTREMES.--Current year: Maximum discharge, 26,200 ft³/s (742 m³/s) Dec. 8 (gage height, 13.32 ft or 4.060 m), from rating curve extended above 7,800 ft³/s (221 m³/s) on basis of contracted-opening measurement at gage height 19.14 ft (5.834 m), minimum discharge, 47 ft³/s (1.33 m³/s) Sept. 11, 12 (gage height, 2.42 ft or 0.738 m).
 Period of record: Maximum discharge, 55,200 ft³/s (1,560 m³/s) Oct. 16, 1955 (gage height, 19.14 ft or 5.834 m), from rating curve extended above 8,800 ft³/s (249 m³/s) on basis of contracted-opening measurement of peak flow; minimum daily, 4.8 ft³/s (0.14 m³/s) Sept. 22, 1964.

REMARKS.--Records fair except those for winter periods, which are poor.

REVISIONS (WATER YEARS).--WSP 351: Drainage area. WSP 1432: 1937-38.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	501	146	280	220	500	791	580	420	293	135	107	90
2	448	141	280	180	430	520	555	517	244	113	102	80
3	372	133	310	140	380	450	4620	523	221	100	90	73
4	326	166	290	150	340	420	2890	580	464	90	73	65
5	292	317	270	160	390	370	1530	1170	349	80	76	60
6	260	402	260	170	360	330	1160	830	853	73	67	60
7	238	321	260	180	300	321	933	1650	933	67	339	58
8	217	284	10800	210	250	334	799	1090	654	63	505	54
9	200	260	6430	427	200	330	717	869	574	65	505	67
10	187	245	2290	565	180	310	696	739	453	123	330	58
11	175	231	1390	1820	180	260	682	661	369	87	267	50
12	163	224	1100	2450	180	231	606	776	654	80	259	73
13	155	1770	923	1360	190	249	529	1400	992	107	218	126
14	146	1040	766	900	190	220	481	1180	703	248	187	97
15	143	817	627	660	190	200	464	869	633	447	155	80
16	217	641	559	640	180	190	453	845	493	306	152	71
17	396	539	606	600	160	200	464	710	511	197	161	67
18	292	476	507	700	160	220	481	613	415	152	143	65
19	241	427	432	660	180	339	668	548	344	126	123	67
20	220	443	391	450	190	5370	958	475	297	168	107	95
21	203	960	362	340	230	2050	739	420	248	877	95	110
22	190	734	339	400	250	1280	593	384	214	426	90	92
23	184	572	290	370	360	1140	523	426	193	275	78	100
24	178	539	308	310	2760	1120	593	436	174	240	90	138
25	175	513	308	330	4850	1370	761	339	155	1040	97	1030
26	175	459	250	1100	2270	1280	682	293	140	487	83	1210
27	163	520	240	800	1350	909	580	267	126	316	83	1470
28	155	500	230	1000	970	799	505	232	121	240	69	814
29	149	352	210	1400	---	732	447	211	180	190	63	574
30	141	313	200	1150	---	784	410	204	177	152	110	442
31	146	---	190	600	---	682	---	218	---	126	115	---
TOTAL	7048	14485	31698	20442	18170	23801	26099	19895	12177	7196	4939	7436
MEAN	227	483	1023	659	649	768	870	642	406	232	159	248
MAX	501	1770	10800	2450	4850	5370	4620	1650	992	1040	505	1470
MIN	141	133	190	140	160	190	410	204	121	63	63	50
CFSM	.96	2.05	4.33	2.79	2.75	3.25	3.69	2.72	1.72	.98	.67	1.05
IN.	1.11	2.28	5.00	3.22	2.86	3.75	4.11	3.14	1.92	1.13	.78	1.17
CAL YR 1974 TOTAL	173656		MEAN 476	MAX 10800	MIN 27	CFSM 2.02	IN 27.37					
WTR YR 1975 TOTAL	193386		MEAN 530	MAX 10800	MIN 50	CFSM 2.25	IN 30.48					

PEAK DISCHARGE (BASE, 4,400 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-08	1915	13.32	26,200	03-20	0400	7.93	7,050
02-25	0315	7.34	5,640	04-03	1545	9.66	12,000

01350100 SCHOHARIE RESERVOIR NEAR GRAND GORGE, N.Y.

LOCATION.--Lat 42°21'21", long 74°26'42", Schoharie County, in Shandaken Tunnel intake house on Intake Road, 1.6 mi (2.6 km) north of junction of Intake Road and State Highway 23, 2.5 mi (4.0 km) upstream from Gilboa Dam, and 2.6 mi (4.2 km) east of Grand Gorge.

DRAINAGE AREA.--314 mi² (813 km²).

PERIOD OF RECORD.--January 1973 to current year. Monthly contents only published as "at Gilboa" for September 1928 to December 1972.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Board of Water Supply, City of New York).

EXTREMES.--Current year: Maximum elevation observed, 1,133.14 ft (345.381 m) Dec. 8 (contents, 20,804 mil gal or 78.74 hm³); minimum, 1,075.22 ft (327.727 m) Oct. 29 (contents, 3,906 mil gal or 14.78 hm³).

Period of record: Maximum elevation observed, 1,135.17 ft (346.000 m) Oct. 16, 1955 (contents, 23,566 mil gal or 89.20 hm³); minimum observed (after initial filling), 1,062.00 ft or 323.698 m) Aug. 20, 1970 (contents, 1,520 mil gal or 5.753 hm³).

REMARKS.--Reservoir is formed by masonry and earth dam. Storage began July 24, 1926. Usable capacity 19,583 mil gal (74.12 hm³) between minimum operating level (elevation, 1,050.00 ft or 320.040 m) and crest of spillway (elevation, 1,130.00 ft or 344.424 m). Dead storage below elevation 1,050.00 ft (320.040 m), 1,968 mil gal (7.449 hm³). Figures given herein represent usable contents. Except for periods of spilling, reservoir impounds water for diversion through Shandaken Tunnel into Esopus Creek to Ashokan Reservoir, for New York City water supply.

COOPERATION.--Capacity table furnished by City of New York, Department of Water Resources.

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

1,070.0	2,850	1,100.0	10,080
1,080.0	4,969	1,120.0	16,100
1,090.0	7,407	1,133.0	20,750

ELEVATION, IN FEET ABOVE MEAN SEA LEVEL, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	1084.83	1076.84	1116.74	1130.11	1130.31	1130.39	1130.30	1130.20	1129.53	1125.47	1111.67	1096.52
3	1086.24	1076.99	1117.59	1130.10	1130.24	1130.34	1130.28	1130.26	1129.44	1124.71	1111.55	1096.02
4	1087.27	1077.00	1118.47	1130.05	1130.22	1130.30	1130.97	1130.28	1129.26	1123.84	1111.38	1095.49
5	1088.10	1077.15	1119.33	1130.09	1130.16	1130.23	1130.94	1130.26	1129.30	1122.95	1111.18	1094.86
	1088.74	1077.65	1119.92	1130.09	1130.20	1130.23	1130.59	1130.47	1129.46	1122.04	1110.84	1094.42
6												
7	1089.27	1078.74	1120.30	1130.04	1130.21	1130.25	1130.46	1130.42	1129.54	1121.02	1110.41	1093.84
8	1089.67	1080.07	1120.64	1130.07	1130.21	1130.23	1130.37	1130.65	1130.15	1120.02	1110.59	1093.26
9	1089.94	1081.15	1125.38	1130.08	1130.17	1130.24	1130.40	1130.53	1130.17	1119.01	1111.15	1092.69
10	1090.18	1081.66	1131.62	1130.16	1130.18	1130.16	1130.35	1130.44	1130.08	1118.01	1111.44	1092.17
	1090.35	1082.03	1130.80	1130.29	1130.11	1130.17	1130.35	1130.40	1130.12	1117.10	1111.25	1091.64
11												
12	1089.98	1082.36	1130.52	1130.51	1130.13	1130.18	1130.40	1130.36	1130.16	1116.17	1110.71	1091.03
13	1089.39	1082.64	1130.46	1130.80	1130.15	1130.13	1130.38	1130.38	1130.20	1115.08	1110.13	1090.52
14	1088.79	1085.12	1130.41	1130.53	1130.14	1130.22	1130.35	1130.57	1130.39	1114.10	1109.49	1090.35
15	1088.19	1089.08	1130.36	1130.41	1130.12	1130.20	1130.33	1130.53	1130.31	1113.31	1108.55	1090.15
	1087.52	1091.64	1130.32	1130.31	1130.13	1130.20	1130.31	1130.44	1130.37	1112.81	1107.69	1089.91
16												
17	1086.56	1093.89	1130.28	1130.29	1130.16	1130.17	1130.30	1130.43	1130.20	1112.53	1106.82	1089.66
18	1086.18	1095.77	1130.30	1130.24	1130.15	1130.21	1130.31	1130.25	1130.20	1111.89	1106.01	1089.38
19	1085.70	1097.37	1130.28	1130.21	1130.16	1130.21	1130.29	1130.34	1130.19	1111.08	1105.16	1089.09
20	1084.96	1098.79	1130.26	1130.28	1130.21	1130.23	1130.33	1130.30	1130.18	1110.09	1104.20	1088.74
	1084.07	1100.13	1130.23	1130.24	1130.22	1131.22	1130.48	1130.26	1130.17	1109.21	1103.23	1088.30
21												
22	1083.15	1102.40	1130.20	1130.16	1130.19	1130.71	1130.41	1130.23	1130.11	1109.43	1102.24	1088.02
23	1082.16	1105.16	1130.19	1130.17	1130.16	1130.50	1130.35	1130.22	1130.08	1109.87	1101.62	1087.67
24	1081.20	1107.02	1130.17	1130.15	1130.24	1130.49	1130.32	1130.24	1130.06	1109.72	1101.05	1087.12
25	1080.19	1108.66	1130.16	1130.15	1130.82	1130.45	1130.33	1130.24	1129.99	1109.38	1100.54	1086.67
	1079.22	1110.26	1130.16	1130.18	1131.29	1130.53	1130.38	1130.19	1129.81	1110.54	1100.04	1087.51
26												
27	1078.27	1111.70	1130.13	1130.43	1130.80	1130.49	1130.27	1130.15	1129.23	1111.60	1099.56	1090.68
28	1077.29	1112.85	1130.12	1130.30	1130.57	1130.37	1130.35	1130.13	1128.43	1111.77	1099.01	1094.31
29	1076.25	1113.96	1130.13	1130.22	1130.46	1130.35	1130.33	1130.10	1127.63	1111.70	1098.44	1096.51
30	1075.39	1115.01	1130.11	1130.31	---	1130.34	1130.28	1129.99	1126.84	1111.72	1097.89	1097.55
31	1075.76	1115.93	1130.12	1130.57	---	1130.34	1130.24	1129.79	1126.22	1111.74	1097.42	1097.98
	1076.32	---	1130.11	1130.34	---	1130.32	---	1129.63	---	1111.73	1097.00	---
MEAN	1084.55	1093.63	1127.61	1130.25	1130.29	1130.34	1130.39	1130.28	1129.59	1114.83	1105.75	1091.74
MAX	1090.35	1115.93	1131.62	1130.80	1131.29	1131.22	1130.97	1130.65	1130.39	1125.47	1111.67	1097.98
MIN	1075.39	1076.84	1116.74	1130.04	1130.11	1130.13	1130.24	1129.63	1126.22	1109.21	1097.00	1086.67
(#)	4,141	14,764	19,626	19,711	19,769	19,730	19,657	19,454	18,286	13,503	9,283	9,518
(*)	-79.3	+548	+243	+4.23	+3.20	-1.95	-3.77	-10.1	-60.2	-239	-211	+12.1
CAL YR 1974	MEAN	1115.09	MAX	1132.80	MIN	1075.39	(#)	-0.08				
WTR YR 1975	MEAN	1116.55	MAX	1131.62	MIN	1075.39	(#)	+16.1				

(#) Contents, in millions of gallons, on last day of month.
(*) Change in contents equivalent in cubic feet per second.

01350120 PLATTER KILL AT GILBOA, N.Y.

LOCATION.--Lat 42°24'18", long 74°26'36", Schoharie County, on right bank, 190 ft (58 m) upstream from culvert on County Highway 17, 0.5 mi (0.8 km) upstream from mouth, and 0.6 mi (1.0 km) northeast of Gilboa.

DRAINAGE AREA.--11.1 mi² (28.7 km²).

PERIOD OF RECORD.--Occasional measurements, water years 1969-74. January to September 1975.

GAGE.--Water-stage recorder. Altitude of gage is 1,110 ft (338 m) from topographic map (nearest 20 ft).

EXTREMES.--Maximum discharge during period: 184 ft³/s (5.21 m³/s) Feb. 24 (gage height, 2.58 ft or 0.786 m); maximum gage height, 3.30 ft (1.006 m) Feb. 5 (ice jam); minimum discharge, 1.9 ft³/s (0.053 m³/s) Sept. 8, 11 (gage height, 0.12 ft or 0.037 m).

REMARKS.--Records good except those for winter periods, which are poor. Water quality records published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				---	60	54	19	15	9.2	7.7	3.2	3.0
2				---	52	42	15	19	8.0	5.4	2.8	2.8
3				---	47	39	78	17	8.3	4.5	2.8	2.7
4				---	44	37	69	16	9.9	4.1	3.2	2.4
5				---	41	35	55	16	9.5	3.5	3.4	2.2
6				---	45	30	48	17	15	3.3	3.2	2.4
7				---	40	29	40	36	12	3.0	16	2.2
8				---	34	30	36	22	9.2	2.8	13	2.2
9				---	29	30	34	19	9.5	2.8	8.0	2.5
10				---	25	28	34	17	7.7	3.2	5.4	2.2
11				---	23	24	35	17	6.6	2.8	4.7	2.0
12				---	22	20	32	24	14	2.7	4.5	3.6
13				---	21	24	27	34	21	4.0	3.9	3.0
14				---	21	20	24	22	11	3.5	3.5	2.5
15				---	21	20	24	19	9.2	3.7	3.2	2.2
16				---	22	21	23	27	8.0	3.0	3.6	2.2
17				---	22	20	23	21	7.7	2.7	3.9	2.4
18				---	22	20	22	17	6.9	2.4	3.4	2.2
19				---	23	28	26	16	6.4	2.2	3.0	2.5
20				---	22	70	24	15	5.9	5.7	2.7	2.4
21				---	21	27	21	14	5.4	17	2.5	3.2
22				---	40	23	18	14	5.0	8.3	2.5	2.4
23				---	62	44	18	13	4.7	5.9	2.4	4.8
24				---	120	47	21	12	4.5	6.6	3.6	6.1
25				---	128	55	21	10	4.3	9.2	2.8	38
26				---	92	44	18	9.2	4.1	6.6	2.5	33
27				---	70	36	16	8.9	3.7	5.2	2.7	39
28				80	60	32	15	8.3	3.7	4.5	2.4	20
29				82	---	27	14	7.5	12	4.0	2.7	14
30				94	---	28	13	7.7	19	3.6	5.2	11
31				70	---	22	---	7.7	---	3.2	3.4	---
TOTAL					1229	1006	863	518.3	261.4	147.1	130.1	221.1
MEAN					43.9	32.5	28.8	16.7	8.71	4.75	4.20	7.37
MAX					128	70	78	36	21	17	16	39
MIN					21	20	13	7.5	3.7	2.2	2.4	2.0

PEAK DISCHARGE (BASE, 80 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
02-24	1930	2.58	184	04-03	1545	2.42	160
03-20	1615	1.70	83				

01350140 MINEKILL NEAR NORTH BLENHEIM, N.Y.

LOCATION.--Lat 42°25'44", long 74°28'24", Schoharie County, on left bank, 200 ft (61 m) upstream from bridge on State Highway 30, 0.6 mi (1.0 km) upstream from mouth, and 3.0 mi (4.8 km) southwest of North Blenheim.

DRAINAGE AREA.--16.3 mi² (42.2 km²).

PERIOD OF RECORD.--Occasional discharge measurements, water years 1969-74, December 1974 to September 1975.

GAGE.--Water-stage recorder. Altitude of gage is 1,060 ft (323 m) from topographic map (nearest 20 ft).

EXTREMES.--Maximum discharge during period, 1,080 ft³/s (30.6 m³/s) Apr. 3 (gage height, 2.84 ft or 0.866 m), from rating curve extended above 350 ft³/s (9.91 m³/s); minimum daily, 0.50 ft³/s (0.014 m³/s) Sept. 11.

REMARKS.--Records fair except those for winter periods and period of no gage-height record, which are poor. Water quality records published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				12	34	46	35	25	13	1.8	1.3	1.1
2			---	11	33	35	32	38	7.9	1.7	1.3	.90
3			---	11	30	30	369	28	5.9	1.4	1.3	.74
4			---	15	29	27	121	39	7.4	1.3	1.2	.64
5			---	13	28	25	75	46	9.7	1.3	2.5	.60
6			---	12	30	21	58	56	32	1.3	1.8	.56
7			---	14	29	19	51	203	15	1.3	22	.60
8			---	16	25	19	43	63	11	1.3	10	.56
9			---	18	21	19	38	53	16	1.3	4.4	.60
10			---	30	18	21	42	45	8.3	1.3	2.5	.56
11												
12			---	241	16	19	42	45	5.5	1.4	2.2	.50
13			---	87	15	17	39	78	29	1.3	2.5	1.0
14			49	59	14	16	33	80	26	1.3	1.9	.70
15			41	54	14	16	33	67	11	1.4	1.8	.60
16			33	45	14	16	35	45	7.4	1.4	1.4	.54
17			30	35	14	17	38	69	6.2	1.2	1.4	.54
18			30	30	15	19	39	43	7.0	1.2	1.5	.60
19			26	25	15	20	38	37	5.2	1.0	1.1	.56
20			22	20	15	35	46	32	4.4	1.0	.90	.64
21			20	16	14	142	43	27	4.1	3.1	.70	.60
22			18	15	13	59	37	23	3.4	25	.62	.80
23			16	15	18	45	30	20	2.9	3.8	.60	.70
24			15	16	40	48	28	20	2.5	2.2	.60	2.0
25			14	16	185	69	37	23	2.4	1.9	.64	23
26			15	18	399	95	35	14	2.0	13	.70	142
27			14	24	89	65	28	12	2.0	3.1	.66	73
28			14	22	69	40	23	12	1.9	2.0	.74	69
29			16	22	54	40	21	11	2.0	1.8	1.0	26
30			14	77	---	45	19	8.8	2.0	1.8	1.5	18
31			12	56	---	45	17	8.8	1.9	1.4	2.2	14
			13	46	---	39	---	9.3	---	1.3	1.4	---
TOTAL				1091	1290	1169	1525	1280.9	255.0	85.6	74.36	181.64
MEAN				35.2	46.1	37.7	50.8	41.3	8.50	2.76	2.40	12.7
MAX				241	399	142	369	203	32	25	22	142
MIN				11	13	16	17	8.8	1.9	1.0	.60	.50

PEAK DISCHARGE (BASE, 670 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
01-11							
02-25	2030	2.61	674	04-03	1915	2.84	1,080
	0400	2.74	886	05-07	0115	2.63	704

NOTE.--No gage-height record Aug. 17 to Sept. 23.

01350180 SCHOHARIE CREEK AT NORTH BLENHEIM, N.Y.

LOCATION.--Lat 42°27'57", long 74°27'45", Schoharie County, on left bank, 2300 ft (701 m) upstream from West Kill, and 1.2 mi (1.9 km) upstream from bridge on State Highway 30 in North Blenheim.

DRAINAGE AREA.--359 mi² (930 km²).

PERIOD OF RECORD.--Occasional measurements, water years 1969-70. October 1970 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 800 ft (244 m) (from topographic map). Prior to Oct. 1, 1971, at datum 1.00 ft (0.305 m) higher.

AVERAGE DISCHARGE.--5 years, 553 ft³/s (15.66 m³/s).

EXTREMES.--Current year: Maximum discharge, 21,600 ft³/s (612 m³/s) Dec. 8 (gage height, 11.96 ft or 3.645 m), from rating curve extended above 10,000 ft³/s (283 m³/s); minimum, 1.6 ft³/s (0.045 m³/s) Sept. 18; (minimum gage height, 1.06 ft (0.323 m) July 17, Sept. 18.
Period of record: Maximum discharge, 41,400 ft³/s (1,170 m³/s) June 23, 1972 (gage height, 12.29 ft or 3.746 m) from rating curve extended above 14,000 ft³/s (396 m³/s); no flow Oct. 21-28, 1972, Sept. 12-14, 1973.

REMARKS.--Records fair. Frequent regulation of flow by Blenheim-Gilboa Pumped Storage Project immediately upstream from gage. Entire flow, runoff from 314 mi² (813 km²), except for period of spill, Dec. 9 to May 29, June 7-24, diverted from Schoharie Reservoir through Shandaken Tunnel into Esopus Creek upstream from Ashokan Reservoir for water supply of City of New York. Water-quality records for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	93	16	58	299	859	1600	722	460	7.1	19	7.1	6.2
2	113	13	79	292	661	1000	772	593	8.4	17	6.8	5.5
3	57	6.8	99	167	540	1200	6170	588	6.8	11	6.5	5.7
4	50	23	99	213	360	900	5770	494	14	3.5	6.5	6.2
5	50	86	48	321	368	760	2630	1260	11	9.1	6.8	6.5
6	45	88	54	299	451	960	2200	1120	6.5	13	7.1	7.1
7	30	64	62	115	572	960	1520	2270	343	8.7	25	6.2
8	17	36	4000	164	475	760	1420	1340	362	5.5	24	5.7
9	17	27	11500	535	346	520	832	1100	229	4.1	14	5.3
10	17	21	4550	1130	91	720	1200	953	320	6.2	6.2	4.1
11	24	23	1660	2320	386	660	1160	835	431	6.5	20	4.3
12	23	52	1710	4470	289	700	839	1060	462	6.5	39	11
13	22	263	1700	1990	273	720	880	1800	1100	6.2	39	12
14	21	250	1320	1450	560	640	747	1490	841	5.5	65	11
15	22	138	1140	916	620	244	753	980	865	5.5	34	9.8
16	53	103	632	1160	600	282	661	1180	499	4.8	8.4	6.0
17	110	77	930	604	560	424	894	934	628	3.0	7.4	1.8
18	68	67	555	572	600	299	703	811	301	7.7	6.2	1.6
19	41	40	832	908	820	372	866	788	438	6.2	6.5	2.1
20	39	76	604	644	760	7040	1490	474	365	6.8	6.8	2.7
21	23	220	419	368	680	3030	1240	575	260	34	6.8	5.0
22	12	101	499	344	680	1770	734	516	351	23	7.1	7.4
23	8.0	84	610	519	820	1690	974	552	270	18	7.4	5.3
24	7.7	79	389	437	4500	1560	697	415	20	15	8.4	7.4
25	19	60	451	451	8200	2300	982	565	11	20	6.2	172
26	28	42	588	1570	4200	1810	1010	372	12	6.5	7.1	110
27	27	34	310	945	6200	1040	967	365	21	5.7	7.7	280
28	21	32	344	728	1700	1270	691	256	22	6.5	6.8	65
29	17	29	227	1160	---	967	566	74	20	9.4	7.4	14
30	17	28	289	2060	---	1120	446	9.8	18	7.1	8.7	15
31	17	---	336	894	---	1040	---	6.0	---	6.8	7.1	---
TOTAL	1108.7	2178.8	36094	28045	37171	38358	40536	24235.8	8242.8	307.8	423.0	801.9
MEAN	35.8	72.6	1164	905	1328	1237	1351	782	275	9.93	13.6	26.7
MAX	113	263	11500	4470	8200	7040	6170	2270	1100	34	65	280
MIN	7.7	6.8	48	115	91	244	446	6.0	6.5	3.0	6.2	1.6
CAL YR 1974 TOTAL	185097.59			MEAN 507	MAX 11500	MIN .34						
WTR YR 1975 TOTAL	217502.80			MEAN 596	MAX 11500	MIN 1.6						

01351500 SCHOHARIE CREEK AT BURTONSVILLE, N.Y.

LOCATION.--Lat 42°48'00", long 74°15'48", Schenectady County, on right bank 0.4 mi (0.6 km) south of Burtonsville, 2.7 mi (4.3 km) north of Esperance, and 13.5 mi (21.7 km) upstream from mouth.

DRAINAGE AREA.--883 mi² (2,287 km²).

PERIOD OF RECORD.--October 1939 to current year.

GAGE.--Water-stage recorder. Datum of gage is 507.98 ft (154.832 m) above sea level, unadjusted.

AVERAGE DISCHARGE.--36 years, 955 ft³/s (27.05 m³/s).

EXTREMES.--Current year: Maximum discharge, 25,200 ft³/s (714 m³/s) Dec. 9 (gage height, 6.59 ft or 2.009 m); minimum, 38 ft³/s (1.08 m³/s) Aug. 4 (gage height, 0.75 ft or 0.229 m).

Period of record: Maximum discharge, 76,500 ft³/s (2,170 m³/s) Oct. 16, 1955 (gage height, 12.39 ft or 3.776 m); minimum, 2.4 ft³/s (0.068 m³/s) Sept. 24, 25, 1964.

Floods of March 1936 and September 1938 reached stages of 10.5 and 10.2 ft (3.11 m), respectively, from information furnished by local resident. However, flood of October 1903 is known to have reached a higher stage than the 1936 or 1938 flood.

REMARKS.--Records good except those for winter periods, which are fair. Entire flow, runoff from 314 mi² (813 km²), except for period of spill, Dec. 9 to May 29, June 7-24, diverted from Schoharie Reservoir through Shandaken Tunnel into Esopus Creek upstream from Ashokan Reservoir for water supply of City of New York. Frequent regulation of flow by Blenheim-Gilboa Pumped Storage Project.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FFB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	852	185	485	760	2000	3100	1700	828	221	170	56	379
3	1150	181	599	700	1620	2250	1580	1100	223	125	52	263
4	873	174	621	600	1260	1840	6130	1230	243	117	44	234
5	671	182	740	560	920	1610	12600	1050	375	97	50	193
6	567	563	669	540	900	1200	4990	1720	338	83	77	158
7	486	1250	674	600	920	1100	3930	1970	1010	75	90	139
8	419	807	643	600	1000	1200	2920	3430	1250	66	206	129
9	356	589	2700	430	1100	1300	2520	3170	972	64	661	121
10	314	491	18100	600	840	700	2170	2150	767	66	514	125
11	296	425	8860	2600	700	660	1990	2050	537	64	263	129
12	276	386	4620	4310	526	800	2370	1670	546	66	175	117
13	260	365	3350	9040	600	740	2070	1680	792	64	200	108
14	246	2610	3220	4980	800	840	1760	3150	4880	64	181	125
15	228	2120	3140	3500	840	840	1670	2620	1610	64	148	129
16	220	1640	2490	2520	820	680	1540	2220	1270	66	125	112
17	252	1250	2050	2000	740	633	1620	2170	1080	83	134	97
18	600	967	1950	1600	700	882	1730	2030	824	90	101	93
19	525	845	1800	1300	610	1030	1720	1700	794	72	87	90
20	372	741	1510	1700	640	1050	2030	1500	520	64	77	90
21	304	735	1750	1400	900	7180	2620	1370	590	72	69	101
22	279	2130	1180	1000	800	7990	2310	1010	463	148	59	158
23	255	2090	1100	940	700	3910	1820	992	425	280	54	263
24	235	1200	1190	900	1200	3760	1460	1030	375	175	48	220
25	223	1110	1180	1200	6630	3550	1700	922	327	129	48	357
26	213	1260	1000	940	15900	4880	1830	848	165	158	50	3060
27	216	1070	1100	2670	9650	4480	1660	858	129	164	54	3650
28	227	690	965	2460	5040	2840	1620	581	109	129	54	5610
29	212	706	902	1590	3660	2230	1450	588	103	93	48	2490
30	204	625	824	2090	---	2170	1120	408	126	75	48	1420
31	188	553	694	4750	---	2120	956	276	196	69	1060	1000
	185	---	680	2690	---	2060	---	222	---	66	929	---
TOTAL	11704	27940	70786	61570	62016	69625	75586	46543	18660	3118	5762	21160
MEAN	378	931	2283	1986	2215	2246	2520	1501	622	101	186	705
MAX	1150	2610	18100	9040	15900	7990	12600	3430	2280	280	1060	5610
MIN	185	174	485	430	526	633	956	222	103	64	44	90
CAL YR 1974	TOTAL	507732	MEAN	1391	MAX	18100	MIN	83				
WTR YR 1975	TOTAL	474470	MEAN	1300	MAX	18100	MIN	44				

01357500 MOHAWK RIVER AT COHOES, N.Y.

LOCATION.--Lat 42°47'07", long 73°42'29", Albany County, on right bank at Niagara Mohawk Power Corp. School Street powerplant in Cohoes, and 2.0 miles upstream from mouth.

DRAINAGE AREA.--3,456 mi² (8,951 km²).

PERIOD OF RECORD.--December 1917 to current year. Monthly discharge only for some periods, published in WSP 1302. Published as "at Crescent Dam" prior to July 17, 1925.

GAGE.--Water-stage recorder. Datum of gage is 49.13 ft (14.975 m) above mean sea level. Dec. 1, 1917, to July 16, 1925, water-stage recorder at site 1.7 mi (2.74 km) upstream at Crescent Dam at datum 130.87 ft (39.889 m) higher. July 17 to Oct. 19, 1925, powerplant gage at present site.

AVERAGE DISCHARGE.--7 years (1918-25), 5,820 ft³/s (164.8 m³/s) (includes diversion at lock 6); 50 years (1925-75), 5,630 ft³/s (159.4 m³/s) (unadjusted).

EXTREMES.--Current year: Maximum discharge, 74,200 ft³/s (2,100 m³/s) Feb. 25 (gage height, 19.55 ft or 5.959 m); minimum, 148 ft³/s (4.19 m³/s) Oct. 15 (gage height, 4.75 ft or 1.448 m); minimum daily, 237 ft³/s (6.71 m³/s) Aug. 24.
 Period of record: Maximum discharge, 143,000 ft³/s (4,050 m³/s) Mar. 6, 1964 result of release from ice jam (gage height, 23.15 ft or 7.056 m) from rating curve extended above 100,000 ft³/s (2,830 m³/s); minimum, 6 ft³/s (0.17 m³/s) Sept. 28, 1941 (gage height, 3.40 ft or 1.036 m); minimum daily, 23 ft³/s (0.65 m³/s) Aug. 24, 1941.

REMARKS.--Records fair. Total flow of Mohawk River equals flow published at Cohoes which includes small diversion for Cohoes water supply plus flow diverted at Crescent Dam to Barge Canal through lock 6. Prior to 1925 records published as total flow. See Diversions in Hudson River basin for regulation and diversions upstream from this station. Water-quality records for the current year are published in Section 2 of this report for station (01357000) at Crescent Dam, 1.6 mi (2.6 km) upstream.

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

REVISIONS (WATER YEAR).--WSP 741: Drainage area. WSP 1302: 1919-23 (M). WRD NY 1974: 1970.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4490	2280	5030	5390	11900	13200	8030	7860	3060	1900	1120	6840
2	4040	2470	4710	5440	9090	10500	5780	9500	4050	2020	1030	4190
3	4120	2520	10700	5100	6950	8700	9120	12000	3240	1890	495	2430
4	3880	2510	9450	5210	5500	7680	31300	9500	3830	968	1290	3750
5	3470	3880	9130	5050	4800	7580	19300	15000	4190	1550	1720	2990
6	2420	9370	8730	4680	4440	7230	14500	12200	7330	1210	1690	3010
7	2990	6210	6210	4590	5130	6670	11100	13800	11100	1790	1990	1880
8	2380	6180	6860	5180	6090	7260	8800	13600	8280	1440	6770	2180
9	2520	3760	24800	5290	5770	7190	7930	9540	6700	1320	5280	2550
10	2610	4020	27700	9210	5210	5680	5580	8310	5680	2070	2770	3240
11	2380	3540	18800	13300	4800	5480	6430	6520	4210	2230	2860	2250
12	2470	2870	14500	24300	4590	5430	7930	5920	3750	1550	1920	2340
13	1820	13100	12100	19700	4610	5350	7470	8520	12300	1790	1580	10200
14	2300	14800	11700	15000	4420	5780	6810	7640	8490	1470	1700	6100
15	2220	10500	10700	11300	4190	5920	6490	5920	6100	1470	1600	4250
16	4290	7980	9450	8730	4420	5100	7020	4150	4680	1790	748	2880
17	5210	6420	8240	7320	4750	4530	5480	7190	5230	2490	996	2840
18	4160	6270	8580	5640	5000	5380	9220	4880	3650	2530	1580	3670
19	3830	5660	6600	5420	5210	6840	12800	5150	3890	2440	1270	3790
20	3690	5770	4390	6420	5470	18900	19200	4700	3470	1650	1270	9360
21	2320	15100	6090	5310	6000	34900	15000	4110	3110	4650	1530	8280
22	2730	17500	5950	4490	5950	21000	9890	3310	2330	3240	1420	7160
23	2730	11200	5580	4520	6090	17600	8660	3750	2290	3060	644	4530
24	3140	8060	5800	5080	11700	15800	11000	4290	2000	1850	237	6460
25	2780	12600	5970	5360	49600	17000	17300	3240	2100	2170	1690	12400
26	2610	12900	5690	6860	38200	19900	14100	2010	2100	3770	1610	26300
27	2930	6760	5750	11100	24300	14900	10600	2390	1700	1860	1790	34800
28	2240	6000	5440	9530	17300	10300	9500	2460	1180	2160	2360	23100
29	2020	6060	5230	8350	---	8210	9010	3100	1530	1450	2290	15900
30	2260	5500	5340	16100	---	8910	7080	3020	1770	1570	14500	10400
31	2570	---	5340	16000	---	8630	---	3060	---	1600	12600	---
TOTAL	93620	221790	280560	264970	271480	327550	322430	206640	133340	62948	80350	230070
MEAN	3020	7393	9050	8547	9696	10570	10750	6666	4445	2031	2592	7669
MAX	5210	17500	27700	24300	49600	34900	31300	15000	12300	4650	14500	34800
MIN	1820	2280	4390	4490	4190	4530	5480	2010	1180	968	237	1880
CAL YR 1974	TOTAL	2573700	MEAN	7051	MAX	41900	MIN	1030				
WTR YR 1975	TOTAL	2495748	MEAN	6838	MAX	49600	MIN	237				

PEAK DISCHARGE (BASE, 41,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
02-25	1200	19.55	74,200	09-27	0845	17.07	41,400
03-21	0430	17.13	42,000				

01357500 MOHAWK RIVER AT COHOES, N.Y.--CONTINUED

(01357499) Diversion, in cubic feet per second, from Mohawk River at Crescent Dam, N.Y., through Barge Canal at lock 6, water year October 1974 to September 1975

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	112	130	112	3.0	3.0	3.0	3.0	90	114	120	132	150
2	100	88	94	3.0	3.0	3.0	3.0	102	114	126	126	90
3	130	130	112	3.0	3.0	3.0	3.0	96	96	126	132	108
4	106	106	112	3.0	3.0	3.0	3.0	84	114	162	120	132
5	118	100	118	3.0	3.0	3.0	3.0	114	114	126	132	114
6	124	100	112	3.0	3.0	3.0	3.0	90	102	132	120	102
7	94	106	100	3.0	3.0	3.0	3.0	96	114	114	102	144
8	118	100	82	3.0	3.0	3.0	3.0	120	120	108	120	108
9	112	106	94	3.0	3.0	3.0	3.0	96	114	114	108	120
10	136	100	106	3.0	3.0	3.0	3.0	126	126	132	144	78
11	112	106	82	3.0	3.0	3.0	3.0	120	114	132	102	90
12	130	106	82	3.0	3.0	3.0	3.0	96	96	114	102	120
13	130	106	57	3.0	3.0	3.0	3.0	96	114	126	114	114
14	124	100	3.0	3.0	3.0	3.0	3.0	120	120	126	150	108
15	94	100	3.0	3.0	3.0	3.0	3.0	126	126	108	120	96
16	124	100	3.0	3.0	3.0	3.0	500	96	102	132	114	114
17	118	82	3.0	3.0	3.0	3.0	90	114	114	120	126	108
18	112	106	3.0	3.0	3.0	3.0	72	108	120	138	108	120
19	94	100	3.0	3.0	3.0	3.0	72	90	108	126	144	108
20	100	118	3.0	3.0	3.0	3.0	72	114	108	108	126	108
21	106	88	3.0	3.0	3.0	3.0	72	90	126	120	114	126
22	100	94	3.0	3.0	3.0	3.0	78	120	126	126	132	120
23	100	94	3.0	3.0	3.0	3.0	108	126	108	114	126	120
24	118	94	3.0	3.0	3.0	3.0	90	114	108	96	96	108
25	94	88	3.0	3.0	3.0	3.0	84	120	120	120	96	108
26	106	106	3.0	3.0	3.0	3.0	96	96	90	126	114	72
27	94	106	3.0	3.0	3.0	3.0	84	114	126	108	114	72
28	112	94	3.0	3.0	3.0	3.0	90	132	120	132	126	72
29	82	100	3.0	3.0	---	3.0	90	108	126	120	126	96
30	106	100	3.0	3.0	---	3.0	90	102	108	114	132	102
31	100	---	3.0	3.0	---	3.0	---	120	---	102	102	---
TOTAL	3406	3054	1317.0	93.0	84.0	93.0	1733.0	3336	3408	3768	3720	3228
MEAN	110	102	42.5	3.00	3.00	3.00	57.8	108	114	122	120	108
MAX	136	130	118	3.0	3.0	3.0	500	132	126	162	150	150
MIN	82	82	3.0	3.0	3.0	3.0	3.0	84	90	96	96	72
CAL YR 1974	TOTAL	29365.0	MEAN	80.5	MAX	624	MIN	3.0				
WTR YR 1975	TOTAL	27240.0	MEAN	74.6	MAX	500	MIN	3.0				

01357500 MOHAWK RIVER AT COHOES, N.Y.
REGULATION
(see Reservoirs in Hudson River basin)
Delta Dam
Hinckley Reservoir
Schoharie Reservoir
DIVERSIONS
(see Reservoirs in Hudson River basin)
From Chenango River basin through Oriskany Creek Feeder.
From (and occasionally into) Oswego River basin through summit level of Erie (Barge) Canal between New London and Utica.
From Black River basin through Black River Canal during navigation period.
Into Esopus Creek from Schoharie Reservoir through Shandaken Tunnel for New York City water supply.



01358000 HUDSON RIVER AT GREEN ISLAND, N.Y.
REGULATION
Great Sacandaga Lake at Conklingville, see sta. no. 01323500.
Indian Lake near Indian Lake, see sta. no. 01314500.
Mohawk River regulation listed under Mohawk River at Cohoes.
DIVERSIONS
Mohawk River diversions listed under Mohawk River at Cohoes.
Into St. Lawrence River basin through:
Glens Falls feeder at Dunham Basin, see sta. no. 01327500.
Bond Creek at Dunham Basin, see sta. no. 01328000.
Champlain (Barge) Canal, see sta. no. 01327500.
From St. Lawrence River basin through summit level of Champlain (Barge) Canal at Dunham Basin.

Figure 7.—Sketch showing gaging stations and diversions near mouth of Mohawk River.

HUDSON RIVER BASIN

01358000 HUDSON RIVER AT GREEN ISLAND, N.Y.

LOCATION.--Lat 42°45'08", long 73°41'22", Albany County, on right bank at Green Island, just upstream from Troy lock and dam, 0.5 mi (0.8 km) downstream from 5th branch Mohawk River.

DRAINAGE AREA.--8,090 mi² (20,953 km²), approximately (including that above site of former auxiliary gage).

PERIOD OF RECORD.--February 1946 to current year.

GAGE.--Water-stage recorder . Datum of gage is 0.31 ft (0.094 m) below mean sea level (Corps of Engineers bench mark). From July 1, 1946 to Mar. 12, 1962 auxiliary water-stage recorder on bypass channel at datum 10.59 ft (3.228 m) higher.

AVERAGE DISCHARGE.--29 years, 13,290 ft³/s (376.4 m³/s).

EXTREMES.--Current year: Maximum discharge, 86,000 ft³/s (2,436 m³/s) Feb. 25 (gage height, 21.93 ft or 6.684 m); minimum daily, 4,500 ft³/s (127 m³/s) Aug. 24; minimum gage height, 14.81 ft (4.514 m) July 7.

Period of record: Maximum discharge, 181,000 ft³/s (5,130 m³/s) Dec. 31, 1948 (gage height, 27.05 ft or 8.245 m, from high-water mark in gage well); maximum daily, 141,000 ft³/s (3,990 m³/s) Dec. 31, 1948, Jan. 1, 1949; minimum daily, 882 ft³/s (25.0 m³/s) Sept. 2, 1968; minimum gage height 13.92 ft (4.243 m) Sept. 2, 1946.

Flood of Mar. 19, 1936, reached a stage of 29.48 ft (8.986 m) at gage on opposite bank, from information by Corps of Engineers (discharge, 215,000 ft³/s or 6,090 m³/s). Flood of Mar. 28, 1913, prior to construction of Sacandaga Reservoir and Troy lock and dam, reached a stage about 0.2 ft (0.06 m) higher upstream from former dam near same site. Downstream from dams, flood in 1913 was about 3.3 ft (1.01 m) higher than flood in 1936, from information by Corps of Engineers.

REMARKS.--Records fair. Records include flow over spillway, estimates of flow through lock, and flow through power plant. Power plant, located on right bank just downstream from gage, was inoperative from Nov. 30, 1960 to Feb. 23, 1971. See Diversions in Hudson River basin for regulation and diversions upstream from this station. Water-Quality records for current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14400	7430	15600	13500	23200	27200	18600	22500	9610	7980	5520	14900
2	12400	6920	11100	13400	21400	24000	15800	25600	11200	7290	5680	9360
3	11600	6140	20500	12800	16700	21400	21900	28800	11000	7050	4760	9280
4	10800	6610	19300	12300	15600	19000	57600	27100	11600	5490	4760	10600
5	10400	9520	18000	12300	12900	18200	37000	34300	12700	4570	6420	9180
6	9400	17300	18200	11200	11600	18200	28400	35600	16300	5290	6450	8930
7	9110	14800	15200	12000	13200	17200	22200	36400	22200	4830	7920	7310
8	8820	14400	14700	13500	14000	18400	20000	34500	18500	5100	22400	5890
9	8630	11900	35800	14000	13400	18200	18600	30100	15800	6550	22600	7510
10	8610	10700	50500	19200	12200	15800	16000	26400	14900	5840	12300	9960
11	7920	9940	36900	24300	12000	14800	16400	22100	10800	7540	11100	8000
12	7540	8540	30600	42300	11700	14800	18600	18600	9370	6200	9780	7760
13	7010	21000	26500	36600	10700	15500	16800	23300	24000	5550	9520	17700
14	6930	25300	24900	28700	10600	16100	15200	23000	22200	6580	9060	14600
15	7720	20400	22300	24100	10500	15200	15900	20200	18300	8840	7030	10600
16	9920	19200	18300	19800	11300	14200	16300	17300	12800	9270	6670	9820
17	11400	16800	18600	16800	11600	13900	13500	20300	16200	9340	5070	9500
18	11000	14300	20300	14700	12500	15200	18500	17000	14300	8820	6140	10600
19	10400	13800	17500	14500	12700	16900	26300	15100	14300	8070	5810	11300
20	9330	14500	14700	18700	13100	33900	39300	15700	13100	6740	5760	17100
21	7760	29500	16700	16300	13200	64000	37700	15200	12500	9110	5860	17500
22	9070	39500	15500	14600	13000	41400	30100	12800	11600	10500	5730	18000
23	8520	28400	13400	13200	13600	35600	25700	12800	11100	9460	4780	16200
24	8640	22600	14100	15100	23600	33800	29400	13900	9740	6730	4500	16900
25	8490	24500	14300	15400	71600	34900	40800	12500	7920	10400	5200	25400
26	8150	27600	12700	20600	60700	38500	39000	8420	7930	13000	6040	42300
27	7570	20700	13500	23500	42800	31800	33800	9920	7270	8700	6380	59100
28	6690	18400	14100	19900	33000	24600	29300	10100	8700	6790	7100	46700
29	7360	18000	13200	18500	---	20600	26100	10500	7540	7130	7520	32200
30	7940	16600	11000	30900	---	21200	22700	9820	5710	6300	25300	26600
31	7000	---	12800	28400	---	19700	---	10100	---	6320	24800	---
TOTAL	280530	515300	600800	591100	542400	734200	767500	619960	389190	231380	277960	510800
MEAN	9049	17180	19380	19070	19370	23680	25580	20000	12970	7464	8966	17030
MAX	14400	39500	50500	42300	71600	64000	57600	36400	24000	13000	25300	59100
MIN	6690	6140	11000	11200	10500	13900	13500	8420	5710	4570	4500	5890
CAL YR 1974	TOTAL	5998230	MEAN	16430	MAX	55700	MIN	3800				
WTR YR 1975	TOTAL	6061120	MEAN	16610	MAX	71600	MIN	4500				

HUDSON RIVER BASIN

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01359139 HUDSON RIVER AT ALBANY, N.Y.

LOCATION.--Lat 42°38'57", long 73°44'50", Albany County, on right bank, 0.5 mi (0.8 km) upstream from bridge on U.S. Highways 9 and 20 in Albany, and 0.5 mi (0.8 km) downstream from the Penn Central Transportation Company bridge.

DRAINAGE AREA.--About 8,288 mi² (21,466 km²).

PERIOD OF RECORD.--October 1972 to current year.

GAGE.--Water-stage recorder. Datum of gage is 10.00 ft (3.048 m) below mean sea level (levels by Corps of Engineers). Gage-height record converted to elevation above or below (-) mean sea level for publication.

Summaries of tide elevations during period are as follows:

TIDE ELEVATIONS, IN FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
Maximum	Elevation				5.69	9.31	5.89	5.65	5.39	5.85	5.22	5.53	5.87
high tide	Date				11	25	20	25,26	7	13	25	9	25
Minimum	Elevation				-2.71	-3.18	-2.91	-2.04	-1.77	-2.23	-2.12	-2.56	-2.39
low tide	Date				2	4	9	14	24	25	31	23	3
Mean high tide					3.87	3.83	4.13	4.03	4.48	4.28	4.12	4.05	4.30
Mean water level					1.61	1.75	1.85	1.86	2.05	1.74	1.50	1.40	1.80
Mean low tide					-0.92	-0.61	-0.75	-0.68	-0.68	-1.12	-1.44	-1.55	-0.99

NOTE.--No elevations recorded Oct. 1 to Dec. 18.

HUDSON RIVER BASIN

01359150 MILL CREEK NEAR EAST GREENBUSH, N.Y.

LOCATION.--Lat 42°36'45", long 73°41'45", Rensselaer County, on left bank, 15 ft (4.6 m) downstream from bridge on Michael Road, 0.5 mi (0.8 km) south of State Highway 151, and 1.6 mi (2.6 km) north of East Greenbush.

DRAINAGE AREA.--9.74 mi² (25.2 km²).

PERIOD OF RECORD.--November 1974 to September 1975.

GAGE.--Water-stage recorder. Altitude of gage is 250 ft (76.2 m) (from 10 ft contour topographic map).

EXTREMES.--Maximum discharge during period November 1974 to September 1975, 390 ft³/s, (11.0 m³/s) Apr. 3 (gage height, 5.06 ft or 1.542 m); minimum, 0.72 ft³/s (0.020 m³/s) July 6 (gage height, 2.36 ft or 0.719 m).

REMARKS.--Records good except those for winter periods, which are poor. Water-quality records for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		2.6	9.5	7.0	14	26	15	5.7	3.3	1.8	1.5	4.8
2		2.5	13	7.0	11	22	15	6.8	2.8	1.5	1.4	3.9
3		2.5	16	8.0	10	18	181	7.6	3.9	1.5	1.2	3.3
4		3.0	10	6.6	9.0	13	125	9.6	7.6	1.7	2.0	2.8
5		7.0	12	6.0	10	11	53	16	5.7	1.4	3.6	2.4
6		19	8.0	9.0	15	11	41	8.8	14	1.4	1.8	3.0
7		9.5	8.0	8.4	15	13	34	8.4	8.8	1.2	24	2.8
8		6.7	37	8.0	12	15	28	6.8	7.2	1.2	120	2.2
9		5.8	29	30	10	15	24	6.0	4.5	3.9	46	2.4
10		5.2	17	47	9.0	11	21	5.7	3.0	7.2	16	2.0
11		4.9	15	81	10	9.5	19	5.4	2.6	3.0	26	1.8
12		4.9	16	55	11	10	16	7.6	16	2.2	62	4.8
13		23	16	36	13	14	14	17	18	4.8	16	5.7
14		21	16	23	9.0	10	14	8.8	10	6.4	10	3.0
15		16	15	22	7.8	11	12	6.8	5.7	7.6	7.2	2.4
16		17	13	22	7.2	11	12	13	5.4	3.9	6.0	2.2
17		9.0	20	22	7.0	13	11	8.0	7.6	2.4	6.0	2.4
18		6.7	17	30	10	12	10	6.4	4.8	1.8	5.1	2.4
19		5.5	13	23	13	13	10	5.4	3.6	1.7	3.6	2.8
20		4.0	12	17	11	84	10	4.5	3.0	5.1	3.0	4.2
21		5.8	12	30	12	60	8.8	4.2	2.4	10	2.6	3.3
22		36	11	16	17	32	7.6	3.9	2.2	3.9	2.6	2.6
23		43	10	11	34	30	7.6	3.6	1.8	2.4	2.6	8.8
24		24	9.2	8.0	153	34	9.6	3.0	1.8	2.6	3.0	9.6
25		21	9.0	30	139	38	10	2.6	1.7	23	3.0	50
26		19	8.4	55	60	26	8.0	2.4	1.7	7.2	2.8	44
27		20	8.8	17	40	21	7.2	3.0	1.5	3.3	2.4	35
28		13	8.4	14	30	18	6.8	2.8	1.5	2.4	2.0	19
29		13	8.0	22	---	16	6.4	2.2	1.8	2.0	2.4	12
30		10	7.6	25	---	15	5.7	3.5	2.8	1.8	36	10
31		---	7.2	20	---	15	---	3.9	---	1.7	9.6	---
TOTAL		380.6	412.1	716.0	699.0	647.5	742.7	199.4	156.7	122.0	431.4	255.6
MEAN		12.7	13.3	23.1	25.0	20.9	24.8	6.43	5.22	3.94	13.9	8.52
MAX		43	37	81	153	84	181	17	18	23	120	50
MIN		2.5	7.2	6.0	7.0	9.5	5.7	2.2	1.5	1.2	1.2	1.8
CFSM		1.30	1.37	2.37	2.57	2.15	2.55	.66	.54	.40	1.43	.87
IN.		1.45	1.57	2.73	2.67	2.47	2.84	.76	.60	.47	1.65	.98

PEAK DISCHARGE (BASE, 150 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
02-24	1930	4.36	250	08-08	1115	3.93	177
04-03	1610	5.06	390	08-11	2045	4.65	308

01359513 HUNGER KILL AT GUILDERLAND, N.Y.

LOCATION.--Lat 42°41'22", long 73°54'26", Albany County, on left bank, 100 ft (30 m) downstream from bridge on Nott Road, and 1.0 mi (1.6 km) south of Guilderland.

DRAINAGE AREA.--8.16 mi² (21.1 km²).

PERIOD OF RECORD.--September 1967 to current year. Occasional low-flow measurements, water years 1962-65.

GAGE.--Water-stage recorder. Altitude of gage is 130 ft (40 m) (from topographic map).

AVERAGE DISCHARGE.--8 years, 12.0 ft³/s (0.340 m³/s) (19.97 in/yr or 507.2 mm/yr).

EXTREMES.--Current year: Maximum discharge, 95 ft³/s (2.69 m³/s) Apr. 3 (gage height, 5.57 ft or 1.698 m); minimum, 4.1 ft³/s (0.12 m³/s) Aug. 6 (gage height, 2.07 ft or 0.631 m).

Period of record: Maximum discharge, 132 ft³/s (3.74 m³/s) Aug. 28, 1971 (gage height, 6.31 ft or 1.923 m); minimum, 4.1 ft³/s (0.12 m³/s) Aug. 6, 1975; minimum gage height, 1.42 ft or 0.433 m Sept. 6, 1967.

REMARKS.--Records fair except those for winter periods, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	13	12	12	12	16	14	13	13	8.1	8.0	9.7
2	13	13	13	12	12	15	14	15	11	7.9	7.5	9.7
3	12	12	13	12	12	15	47	14	13	7.5	7.3	9.4
4	11	12	12	12	12	15	26	16	16	7.7	12	9.1
5	11	15	17	11	12	14	18	16	14	7.5	9.8	9.0
6	11	18	12	12	12	14	17	14	19	7.3	7.0	9.5
7	11	15	12	12	13	14	16	14	15	7.0	20	9.0
8	12	13	18	11	13	15	16	13	14	7.2	23	9.0
9	12	13	18	20	12	15	15	12	12	9.7	12	9.7
10	12	12	14	16	13	14	15	12	12	8.7	10	9.1
11	12	12	13	21	14	13	15	12	11	7.7	10	9.1
12	12	12	13	17	13	14	15	14	17	7.6	9.5	11
13	12	29	13	16	14	14	14	16	18	9.5	9.1	10
14	12	14	14	14	14	13	14	13	13	8.7	8.7	9.4
15	12	16	13	13	13	14	14	13	12	9.1	8.4	9.3
16	14	13	13	12	12	14	14	15	12	20	8.5	9.4
17	17	13	15	13	12	14	14	12	12	19	8.9	9.8
18	13	13	14	14	13	13	14	12	11	10	8.9	9.5
19	13	13	13	13	14	16	15	12	11	10	8.5	11
20	13	15	13	12	14	45	15	12	12	13	8.5	10
21	13	20	13	13	13	21	14	12	10	17	8.2	14
22	13	15	12	12	13	16	14	12	9.5	9.8	8.2	10
23	13	13	12	12	17	16	14	15	9.1	9.4	8.0	13
24	13	14	12	13	49	19	15	12	8.9	9.4	9.3	13
25	13	13	12	14	36	18	14	11	8.6	12	8.9	24
26	13	13	12	14	21	15	14	11	8.4	9.1	8.7	22
27	13	14	12	12	18	18	14	13	8.2	8.9	8.9	18
28	13	12	12	12	16	17	14	12	8.1	8.9	8.4	13
29	13	12	12	14	---	15	14	11	8.2	9.7	9.7	12
30	13	12	12	14	---	15	14	12	8.2	8.2	22	11
31	13	---	12	13	---	14	---	12	---	8.0	10	---
TOTAL	394	424	408	418	439	501	483	403	355.2	303.6	315.9	341.7
MEAN	12.7	14.1	13.2	13.5	15.7	16.2	16.1	13.0	11.8	9.79	10.2	11.4
MAX	17	29	18	21	49	45	47	16	19	20	23	24
MIN	11	12	12	11	12	13	14	11	8.1	7.0	7.0	9.0
CFSM	1.56	1.73	1.62	1.65	1.92	1.99	1.97	1.59	1.45	1.20	1.25	1.40
IN.	1.80	1.93	1.86	1.91	2.00	2.28	2.20	1.84	1.62	1.38	1.44	1.56

CAL YR 1974	TOTAL	4479.8	MEAN	12.3	MAX	37	MIN	7.2	CFSM	1.51	IN	20.42
WTR YR 1975	TOTAL	4786.4	MEAN	13.1	MAX	49	MIN	7.0	CFSM	1.61	IN	21.82

PEAK DISCHARGE (BASE, 60 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
02-24	2000	5.40	82	07-16	2030	4.93	69
04-03	1800	5.57	95	09-26	1500	4.82	65

HUDSON RIVER BASIN

01359519 NORMANS KILL NEAR WESTMERE, N.Y.

LOCATION.--Lat 42°40'43", long 73°54'25", Albany County, on right bank, 100 ft (30 m) upstream from bridge on State Highway 155 (State Farm Road), 1.6 mi (2.6 km) southwest of Westmere, and 1.8 mi (2.9 km) southeast of Guilderland.

DRAINAGE AREA.--131 mi² (339 km²).

PERIOD OF RECORD.--October 1967 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 130 ft (40 m) (from topographic map).

AVERAGE DISCHARGE.--8 years, 166 ft³/s (4.701 m³/s).

EXTREMES.--Current year: Maximum discharge, 4,240 ft³/s (120 m³/s) Apr. 3 (gage height, 10.12 ft or 3.085 m); minimum, 13 ft³/s (0.37 m³/s) Sept. 14, 15 (gage height, 1.27 ft or 0.387 m).

Period of record: Maximum discharge, 4,390 ft³/s (124 m³/s) Nov. 9, 1972 (gage height, 10.43 ft or 3.179 m); maximum gage height, 10.65 ft (3.246 m) Apr. 23, 1969; minimum discharge, 5.0 ft³/s (0.14 m³/s) July 29, 1968.

REMARKS.--Records fair except those for winter periods, which are poor. Diversion above station for municipal supply by city of Watervliet and Town of Guilderland.

REVISIONS (WATER YEARS).--WRD N.Y. 1972: 1968(P), 1969(M), 1970(P).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	148	44	120	100	145	313	129	73	36	48	33	31
2	296	44	130	88	98	216	125	80	59	38	32	33
3	180	43	140	84	83	172	1460	94	143	35	32	55
4	126	50	120	90	84	129	1630	101	95	33	48	149
5	99	83	100	89	78	105	517	187	80	31	39	105
6	86	296	84	77	73	97	355	151	297	29	33	32
7	77	211	84	81	64	95	257	175	462	29	77	30
8	65	139	300	80	67	96	214	155	243	31	127	33
9	58	108	1000	220	55	87	182	113	162	32	263	34
10	55	92	800	525	72	78	185	94	108	34	129	30
11	50	83	500	1030	84	74	201	84	78	32	157	18
12	47	76	390	1540	90	70	194	88	111	30	227	17
13	45	705	290	607	88	71	172	227	431	33	151	16
14	45	432	220	389	82	76	151	192	240	40	36	14
15	45	407	190	255	77	83	155	125	127	45	34	14
16	60	311	160	211	51	77	165	143	89	43	35	24
17	114	206	190	162	49	108	182	135	78	90	36	26
18	110	165	217	133	55	141	182	98	66	88	35	25
19	80	137	182	139	73	211	194	87	58	33	33	27
20	66	148	159	130	111	1890	227	75	49	40	33	26
21	58	528	141	100	121	1080	177	66	38	63	32	39
22	50	550	133	94	131	491	131	58	34	39	30	26
23	48	260	117	84	240	428	111	61	33	37	26	34
24	47	230	110	71	1540	411	115	53	37	38	30	35
25	45	210	100	81	3060	575	151	44	40	44	29	418
26	46	180	98	194	1220	469	135	41	34	33	33	945
27	46	150	96	194	603	219	108	45	35	32	33	1300
28	44	140	92	141	376	165	94	45	51	32	32	424
29	44	120	90	170	---	160	87	42	49	35	38	246
30	44	110	88	398	---	157	80	43	49	33	66	192
31	44	---	92	222	---	149	---	37	---	33	33	---
TOTAL	2368	6258	6533	7779	8870	8493	8066	3012	3412	1233	1972	4398
MEAN	76.4	209	211	251	317	274	269	97.2	114	39.8	63.6	147
MAX	296	705	1000	1540	3060	1890	1630	227	462	90	263	1300
MIN	44	43	84	71	49	70	80	37	33	29	26	14
(<i>f</i>)	8.40	8.28	7.93	8.40	8.26	7.71	7.69	7.96	6.76	6.72	6.33	6.04

CAL YR 1974 TOTAL 59223 MEAN 162 MAX 1600 MIN 16 *f* 8.13
WTR YR 1975 TOTAL 62394 MEAN 171 MAX 3060 MIN 14 *f* 7.54

PEAK DISCHARGE (BASE, 2,200 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
01-12	0015	7.73	2,630	03-20	2100	7.99	2,790
02-25	0115	9.54	3,820	04-03	2215	10.12	4,240

f Diversion, equivalent in cubic feet per second, by City of Watervliet and Town of Guilderland for water supply (figures furnished by City of Watervliet and Town of Guilderland Water Departments).

HUDSON RIVER BASIN

01359575 HUDSON RIVER AT CEDAR HILL, N.Y.

LOCATION.--Lat 42°32'33", long 73°45'35", Albany County, on right bank at mouth of Vloman Kill 0.1 mi (0.2 km) east of Cedar Hill.

DRAINAGE AREA.--8,525 mi² (22,080 km²) (Vloman Kill drainage not included).

PERIOD OF RECORD.--October 1973 to current year.

GAGE.--Water-stage recorder. Datum of gage is 10.00 ft (3.048 m) below mean sea level (levels by Corps of Engineers). Gage-height record converted to elevation above or below (-) mean sea level for publication.

Summaries of tide elevations during period are as follows:

TIDE ELEVATIONS, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
Maximum	Elevation	5.29(a)	5.03	5.73(a)	5.05(a)			5.42(a)	5.62	5.11	6.23	4.87	4.94
high tide	Date	29(a)	28	10(a)	07(a)			26(a)	24	25	04	18	16
Minimum	Elevation	-2.24(a)	-2.86	-3.21(a)	-2.10(a)			-1.47(a)	-2.18	-1.57	-2.41	-1.94	-1.76
low tide	Date	21(a)	02	18(a)	08(a)			30(a)	04	06,20	20	09	02
Mean high tide		3.94(a)	3.46						4.49	4.21	4.21	3.89	4.04
Mean water level		1.44(a)	1.00						2.14	1.71	1.69	1.38	1.59
Mean low tide		-1.35(a)	-1.60						-0.45	-1.06	-1.08	-1.38	-1.12

a--recorded.

NOTE.--No elevations recorded Oct. 1-9 (station established Oct. 9, 1973), Dec. 19 to Jan. 2, Jan. 10 to Mar. 18, Mar. 20 to Apr. 17, and Apr. 22-25.

TIDE ELEVATIONS, IN FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
Maximum	Elevation	5.15	5.88	6.41	5.42(a)	8.65(a)	5.91	5.56	5.36	5.82	5.26		5.78
high tide	Date	18	13	02	11(a)	25(a)	20	25	07	13	25		25
Minimum	Elevation	-2.47	-2.76	-2.76	-2.75(a)	-1.79(a)	-2.62	-1.99	-1.48	-2.00	-2.00		-2.05
low tide	Date	28	27	04	02(a)	22(a)	08	14	21	20,25	05		03
Mean high tide		3.58	3.87	3.92			4.10	4.05	4.49	4.32	4.24		4.25
Mean water level		1.12	1.53	1.57			1.79	1.77	2.07	1.82	1.68		1.83
Mean low tide		-1.58	-1.10	-0.98			-0.72	-0.76	-0.61	-0.90	-1.14		-0.82

a--recorded.

NOTE.--No elevations recorded Jan. 20 to Feb. 21, July 28 to Sept. 2.

01359750 MOORDENER KILL AT CASTLETON-ON-HUDSON. N.Y.

LOCATION.--Lat 42°32'02", long 73°44'15", Rensselaer County, on left bank 800 ft (244 m) downstream from bridge on State Highway 150, 0.2 mi (0.3 km) east of village of Castleton-on-Hudson, 0.5 mi (0.8 km) downstream from unnamed tributary, and 1.2 mi (1.9 km) upstream from mouth.

DRAINAGE AREA.--32.6 mi² (84.4 km²).

PERIOD OF RECORD.--October 1957 to current year.

GAGE.--Water-stage recorder. Datum of gage is 98.72 ft (30.090 m) above mean sea level. Prior to Nov. 25, 1957, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--18 years, 35.6 ft³/s (1.008 m³/s) (14.83 in/yr or 376.7 mm/yr).

EXTREMES.--Current year: Maximum discharge, 907 ft³/s (25.7 m³/s) Apr. 4 (gage height, 3.22 ft or 0.981 m from recorded range line); minimum, 5.9 ft³/s (0.17 m³/s) July 8, 9; minimum daily, 6.4 ft³/s (0.18 m³/s) July 8; minimum gage height, 0.65 ft (0.198 m) July 8, 9, Aug. 2, 3, 4.
 Period of record: Maximum discharge, 1,350 ft³/s (38.2 m³/s) Jan. 22, 1959 (gage height, 3.63 ft or 1.106 m); minimum, 0.30 ft³/s (0.008 m³/s) Aug. 9, 10, 1964 (gage height, 0.25 ft or 0.076 m); minimum daily, 1.0 ft³/s (0.028 m³/s) Sept. 6, 1964.

REMARKS.--Records fair except those for winter periods, which are poor. Slight diurnal fluctuation of low flow by mills upstream and occasional regulation at dam 800 ft (244 m) upstream.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45	17	40	28	50	71	57	24	16	11	8.1	25
2	37	17	50	27	45	72	52	27	15	8.7	6.9	19
3	34	16	64	30	40	60	310	29	17	9.4	6.9	17
4	32	20	43	28	37	56	655	31	36	10	6.9	14
5	28	46	42	26	37	52	460	57	28	8.1	11	13
6	25	91	40	25	36	48	350	40	63	7.5	10	14
7	22	55	35	25	35	48	250	37	47	6.9	32	14
8	20	43	96	24	35	52	180	30	39	6.4	231	12
9	19	37	111	85	33	45	130	27	28	8.7	168	12
10	17	33	72	130	30	42	90	25	21	14	72	11
11	17	31	58	193	34	36	76	24	18	9.4	62	10
12	16	30	53	202	35	35	66	29	57	8.1	146	14
13	16	100	55	130	38	39	70	69	94	15	64	20
14	15	83	52	90	40	36	62	47	70	22	41	15
15	15	87	50	85	42	32	52	35	43	53	31	12
16	23	72	45	80	40	30	48	45	32	31	27	12
17	39	59	64	80	37	39	50	42	40	19	25	11
18	28	53	62	90	25	40	45	33	30	14	22	11
19	22	49	49	64	30	42	38	28	22	12	18	12
20	19	62	45	50	39	155	45	25	20	17	16	16
21	17	202	43	48	41	220	56	22	17	28	14	14
22	17	214	41	45	42	122	45	20	14	21	14	12
23	17	123	37	45	82	103	38	19	13	14	13	18
24	16	98	37	45	324	101	32	17	12	12	14	24
25	15	89	35	48	431	122	39	16	11	32	15	91
26	16	56	35	96	210	89	34	15	10	22	14	123
27	16	68	33	62	133	68	30	15	9.4	14	12	132
28	15	59	32	54	100	61	28	16	9.4	12	11	82
29	14	56	30	56	---	58	27	14	10	10	10	58
30	14	52	29	64	---	69	25	14	16	8.7	73	45
31	16	---	27	62	---	65	---	17	---	8.7	46	---
TOTAL	662	2018	1505	2117	2101	2108	3440	889	857.8	473.6	1240.8	883
MEAN	21.4	67.3	48.5	68.3	75.0	68.0	115	28.7	28.6	15.3	40.0	29.4
MAX	45	214	111	202	431	220	655	69	94	53	231	132
MIN	14	16	27	24	25	30	25	14	9.4	6.4	6.9	10
CFSM	.66	2.06	1.49	2.10	2.30	2.09	3.53	.88	.88	.47	1.23	.90
IN.	.76	2.30	1.72	2.42	2.40	2.41	3.93	1.01	.98	.54	1.42	1.01
CAL YR 1974	TOTAL	17985.0	MEAN	49.3	MAX	267	MIN	5.1	CFSM	1.51	IN	20.52
WTR YR 1975	TOTAL	18295.2	MEAN	50.1	MAX	655	MIN	6.4	CFSM	1.54	IN	20.88

PEAK DISCHARGE (BASE, 400 CFS)

DATE	TIME	G. H.	DISCHARGE
02-24	2200	2.74	610
04-04	-	3.22	907

NOTE.--Doubtful or no gage-height record Apr. 4-24.

01359902 COEYMANS CREEK NEAR SELKIRK, N.Y.

LOCATION.--Lat 42°31'38", long 73°49'14", Albany County, on right bank, 40 ft (12 m) downstream from bridge on Pictuay Road, and 1.2 mi (1.9 km) southwest of Selkirk.

DRAINAGE AREA.--35.1 mi² (90.9 km²).

PERIOD OF RECORD.--August 1967 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 80 ft (24 m) (from topographic map). Prior to Sept. 17, 1974, water-stage recorder at site on left bank at same datum.

AVERAGE DISCHARGE.--8 years, 53.4 ft³/s (1.512 m³/s).

EXTREMES.--Current year: Maximum discharge, 1,760 ft³/s (49.8 m³/s) Apr. 3 (gage height, 7.99 ft or 2.435 m); minimum daily, 3.7 ft³/s (0.105 m³/s) Sept. 17, 19.
 Period of record: Maximum discharge, 3,240 ft³/s (91.8 m³/s) June 30, 1973 (gage height, 9.89 ft or 3.014 m), from rating curve extended above 820 ft³/s (23.2 m³/s) on basis of contracted-opening measurement at gage height 7.60 ft (2.316 m); minimum, 1.0 ft³/s (0.028 m³/s) Aug. 28, 1968 (gage height, 1.71 ft or 0.521 m).

REMARKS.--Records fair except those for winter periods, which are poor. Diversion from Onesquethaw Creek, a tributary above station, for municipal supply of Town of Bethlehem. Water discharged to Onesquethaw Creek from City of Albany filtration plant at point 4 miles (6.4 km) upstream from station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												13
2	18	8.1	17	33	32	261	54	18	11	6.8	4.5	9.2
3	22	8.4	19	31	27	234	51	19	11	6.2	4.5	7.9
4	19	8.1	21	28	26	208	911	20	11	5.7	4.1	6.8
5	16	8.4	18	29	25	185	643	20	20	5.2	4.3	6.2
	13	17	22	28	25	177	295	45	14	4.8	6.5	
6												
7	12	31	15	28	30	171	204	37	56	4.5	6.0	5.5
8	11	22	14	26	25	169	143	62	59	7.9	20	5.5
9	11	18	337	27	23	173	113	59	32	7.6	154	4.8
10	10	16	371	124	23	169	92	56	25	6.2	58	4.3
	9.7	15	130	147	23	144	80	35	18	5.7	21	4.5
11												
12	9.0	15	86	396	23	143	75	33	14	11	77	4.3
13	9.0	14	71	263	24	143	68	52	57	14	97	5.0
14	7.8	145	64	94	25	151	60	101	72	16	22	7.3
15	8.1	53	62	90	26	144	56	58	62	10	14	5.2
	13	51	58	80	27	141	54	44	33	6.8	10	4.1
16												
17	14	38	55	64	26	141	54	52	26	6.2	8.9	4.3
18	20	32	96	54	25	166	54	40	32	6.2	8.5	3.7
19	15	28	83	54	23	148	49	32	26	13	7.3	3.9
20	13	26	61	52	30	181	52	27	21	28	7.0	3.7
	12	33	53	46	38	860	56	24	18	24	6.5	5.0
21												
22	11	109	48	52	45	394	40	21	17	50	6.0	4.3
23	9.7	68	44	36	53	183	32	20	14	20	5.7	4.8
24	9.7	45	41	34	87	156	28	25	12	13	5.2	7.9
25	9.0	39	39	29	704	180	31	20	10	8.5	5.5	12
	9.3	36	37	34	707	212	31	14	9.2	34	5.7	315
26												
27	9.7	31	36	70	423	151	27	13	8.5	13	5.5	214
28	9.7	24	34	50	335	85	24	12	7.3	9.2	4.8	287
29	9.0	22	33	38	287	68	22	12	7.9	7.0	5.0	101
30	8.4	22	32	46	---	68	20	12	7.9	6.2	4.3	57
31	7.6	20	32	61	---	74	18	10	7.3	5.5	68	39
	8.7	---	32	37	---	63	---	12	---	5.0	26	---
TOTAL												
MEAN	364.4	1003.0	2061	2181	3167	5743	3437	1005	719.1	367.2	682.8	1156.2
MAX	11.8	33.4	66.5	70.4	113	185	115	32.4	24.0	11.8	22.0	38.5
MIN	22	145	371	396	707	860	911	101	72	50	154	315
	7.6	8.1	14	26	23	63	18	10	7.3	4.5	4.1	3.7
CAL YR 1974	TOTAL	17671.9	MEAN	48.4	MAX	570	MIN	1.8				
WTR YR 1975	TOTAL	21886.7	MEAN	60.0	MAX	911	MIN	3.7				

PEAK DISCHARGE (BASE, 800 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
02-24							
03-20	1600	6.39	1,030	04-03	1800	7.99	1,760
	0500	6.31	1,000				

HUDSON RIVER BASIN

01359924 HANNACROIS CREEK NEAR NEW BALTIMORE, N.Y.

LOCATION.--Lat 42°26'22", long 73°48'41", Greene County, on left bank, 1,200 ft (366 m) downstream from bridge on U.S. Route 9W, 1.2 mi (1.9 km) southwest of New Baltimore, and 3.5 mi (5.6 km) upstream from mouth.

DRAINAGE AREA.-- 61.6 mi² (160 km²).

PERIOD OF RECORD.--October 1967 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 140 ft (43 m) (from topographic map).

AVERAGE DISCHARGE.--8 years, 54.0 ft³/s (1.529 m³/s).

EXTREMES.--Current year: Maximum discharge, 1,340 ft³/s (37.9 m³/s) Apr. 3 (gage height, 4.95 ft or 1.509 m); minimum, 3.8 ft³/s (0.108 m³/s) July 12, 13, Sept. 17-19; minimum gage height, 0.75 ft (0.229 m) July 12, 13.

Period of record: Maximum discharge, 1,780 ft³/s (50.4 m³/s) July 1, 1973 (gage height, 5.43 ft or 1.655 m); minimum, 0.02 ft³/s (0.001 m³/s) Aug. 19-21, 1970 (gage height, 0.52 ft or 0.158 m).

REMARKS.--Records fair. Diversion above station for Albany municipal water supply from Alcove Reservoir which includes diversion from Catskill Creek basin through Basic Reservoir.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	5.5	22	22	32	148	55	14	12	7.1	6.5	13
2	9.9	4.5	23	21	28	126	50	14	11	6.5	5.7	11
3	8.8	5.2	26	16	26	103	50.7	15	12	6.2	5.2	10
4	7.7	4.7	19	17	25	79	938	15	44	5.7	5.7	8.4
5	6.8	8.4	18	15	24	59	449	26	27	6.0	5.7	7.4
6	6.5	31	19	13	30	54	300	21	57	5.7	5.7	7.4
7	6.0	22	17	16	26	49	198	29	60	4.7	16	6.5
8	5.7	18	124	16	20	50	159	26	45	4.3	61	6.0
9	5.5	15	231	63	19	30	129	22	34	4.7	57	5.7
10	5.5	13	129	117	19	25	79	21	26	5.5	36	5.5
11	5.0	12	91	246	19	28	70	19	21	4.7	33	4.7
12	5.0	12	71	286	20	26	60	21	43	4.3	79	6.0
13	4.7	73	64	183	20	26	64	44	85	5.7	48	6.2
14	4.7	63	56	124	21	25	55	36	95	7.4	35	5.7
15	4.7	60	54	80	24	22	36	32	64	11	27	4.7
16	6.8	52	48	60	22	23	35	32	50	9.1	24	4.5
17	11	43	67	52	18	25	41	31	50	13	22	3.9
18	9.1	36	70	63	17	24	30	23	38	35	20	3.8
19	7.4	32	58	45	18	25	27	21	30	35	16	3.9
20	6.5	36	52	37	21	693	43	18	26	35	13	5.7
21	6.2	92	46	42	21	708	49	16	21	67	11	4.7
22	5.7	88	42	40	27	396	30	15	18	43	10	4.1
23	5.5	67	36	36	45	282	21	14	16	26	9.1	5.7
24	5.5	58	35	32	306	238	19	13	14	19	8.1	10
25	5.2	53	33	30	456	252	19	11	12	29	8.8	76
26	5.2	45	27	53	264	248	28	9.9	10	21	8.8	107
27	5.0	34	25	44	171	182	36	9.5	9.1	16	8.1	44
28	4.7	32	26	35	152	96	23	10	8.4	13	6.8	32
29	4.7	29	21	42	---	62	17	9.5	9.1	11	6.2	27
30	4.7	26	24	56	---	67	14	8.0	9.1	8.8	27	24
31	4.5	---	19	40	---	120	---	9.5	---	7.7	22	---
TOTAL	195.2	1070.3	1593	1942	1891	4291	3581	605.4	956.7	478.1	647.4	464.5
MEAN	6.30	35.7	51.4	62.6	67.5	138	119	19.5	31.9	15.4	20.9	15.5
MAX	11	92	231	286	456	708	938	44	95	67	79	107
MIN	4.5	4.5	17	13	17	22	14	8.0	8.4	4.3	5.2	3.8

CAL YR 1974 TOTAL 16223.86 MEAN 44.4 MAX 367 MIN .31
WTR YR 1975 TOTAL 17715.60 MEAN 48.5 MAX 938 MIN 3.8

PEAK DISCHARGE (BASE, 350 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
01-11	2200	3.18	388	03-20	2000	4.47	1,010
02-24	2230	3.66	572	04-03	2245	4.95	1,340

HUDSON RIVER BASIN

01361388 HUDSON RIVER AT ATHENS, N.Y.

LOCATION.--Lat 42°16'16", long 73°48'07", Greene County, on right bank in Athens, 200 ft (60 m) downstream from mouth of Murderers Creek.

DRAINAGE AREA.--9,315 mi² (24,126 km²).

PERIOD OF RECORD.--May 1974 to current year.

GAGE.--Water-stage recorder. Datum of gage is 12.00 ft (3.658 m) below mean sea level (levels by Corps of Engineers). Gage-height record converted to elevation above or below (-) mean sea level for publication.

Summaries of tide elevations during period are as follows:

TIDE ELEVATIONS, IN FEET, MAY TO SEPTEMBER 1974

		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
Maximum	Elevation								4.79(a)	4.32	4.98	4.10(a)	
high tide	Date								24(a)	25	04	18(a)	
Minimum	Elevation								-.86(a)	-1.48	-1.99	-1.70(a)	
low tide	Date								23(a)	06	20	09	
Mean high tide										3.40	3.10	3.16(a)	
Mean water level										1.43	1.38	1.21(a)	
Mean low tide										-.87	-.91	-1.09(a)	

a--recorded.

NOTE.--No elevations recorded May 1-23, Aug. 28 to Sept. 30.

TIDE ELEVATIONS, IN FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
Maximum	Elevation		4.96(a)	5.37	3.39(a)	7.15(a)	4.99	4.58	4.22	4.55	4.35	4.50	5.01
high tide	Date		13(a)	02	01(a)	25(a)	20	17	07	13	25	09	25
Minimum	Elevation		-2.94(a)	-2.92	-2.38(a)	-1.58(a)	-2.96	-2.20	-2.18	-2.35	-1.56	-1.96	-1.94
low tide	Date		26	04	02(a)	22(a)	09	04	29	02	18	22	03
Mean high tide				3.07			3.11	3.05	3.06	3.09	3.31	3.22	3.38
Mean water level				1.19			1.23	1.15	1.10	1.10	1.37	1.25	1.43
Mean low tide				-.95			-.90	-1.01	-1.13	-1.18	-.90	-1.04	-.81

a--recorded.

NOTE.--No elevations recorded Oct. 1 to Nov. 11, Jan. 3 to Feb. 21.

HUDSON RIVER BASIN

01361500 CATSKILL CREEK AT OAK HILL, N.Y.

LOCATION.--Lat 42°24'16", long 74°09'07", Greene County, on right bank 550 ft (168 m) downstream from bridge on County Highway 22 in southernmost part of Oak Hill, 650 ft (198 m) downstream from unnamed tributary, and 1.1 mi (1.8 km) upstream from Tenmile Creek.

DRAINAGE AREA.--98 mi² (254 km²), approximately.

PERIOD OF RECORD.--May 1910 to current year. Monthly discharge only for some periods, published in WSP 1302.

GAGE.--Water-stage recorder. Datum of gage is 610.65 ft (186.126 m) above mean sea level. Prior to Aug. 4, 1930, nonrecording gage and Aug. 4, 1930 to Sept. 30, 1968 water-stage recorder a site 530 ft (162 m) upstream at datum 2.00 ft (0.610 m) higher.

AVERAGE DISCHARGE.--65 years, 124 ft³/s (3.512 m³/s) (17.19 in/yr or 436.6 mm/yr).

EXTREMES.--Current year: Maximum discharge, 4,690 ft³/s (133 m³/s) Apr. 3, (gage height, 7.65 ft or 2.332 m), from rating curve extended above 1,300 ft³/s (36.8 m³/s); minimum, 6.8 ft³/s (m³/s) Sept. 11-13, 15-21 (gage height, 1.73 ft or 0.527 m).

Period of record: Maximum discharge, 12,500 ft³/s (354 m³/s) Nov. 25, 1950 (gage height, 14.08 at site and datum then in use, from floodmarks in gage house), from rating curve extended above 6,100 ft³/s (173 m³/s) on basis of slope-area measurement of peak flow; minimum, no flow part or all of each day Sept. 7-10, 25, 26, 1964, Aug. 29 to Sept. 3, 1966; minimum gage height, 0.59 ft (0.180 m) Sept. 26, 27, 1939 at site and datum then in use.

REMARKS.--Records fair except those for winter periods, which are poor.

REVISIONS.--WSP 756: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	124	35	100	78	130	249	149	82	33	21	9.6	15
2	136	32	110	78	100	160	149	95	32	16	8.8	13
3	120	31	120	52	90	130	1820	99	28	14	8.4	11
4	100	40	110	58	80	110	820	90	41	13	8.8	10
5	86	110	100	52	74	98	420	118	34	12	16	9.2
6	73	150	98	49	80	86	290	106	110	11	11	8.8
7	62	110	100	54	72	78	230	268	99	10	104	8.4
8	54	96	1530	62	70	66	190	172	72	10	181	8.0
9	51	86	1310	72	68	64	172	140	61	9.6	97	7.6
10	46	80	509	110	66	76	169	122	47	11	53	7.6
11	42	76	342	274	64	70	170	118	38	12	39	6.8
12	42	92	277	759	64	68	160	169	77	12	33	6.8
13	36	590	261	425	62	68	140	305	172	13	27	7.2
14	36	260	240	250	62	66	130	208	130	14	22	7.2
15	42	220	206	200	64	64	130	154	110	13	16	7.2
16	62	190	181	180	67	64	138	222	81	13	14	6.8
17	100	170	187	160	64	70	163	169	81	13	14	6.8
18	76	150	168	140	62	80	175	135	65	12	14	6.8
19	66	143	148	150	60	197	232	120	51	11	12	6.8
20	60	171	136	120	62	1330	229	104	46	15	10	6.8
21	56	392	126	110	66	550	181	90	38	93	9.2	7.2
22	52	261	119	138	70	350	143	79	32	43	8.8	9.2
23	44	206	109	100	136	375	127	75	29	27	8.4	10
24	43	198	106	100	1460	400	138	70	27	21	7.6	15
25	43	198	109	110	1560	545	146	58	22	63	8.0	375
26	43	171	94	200	676	435	132	50	20	29	8.0	460
27	40	133	90	163	413	211	115	46	17	19	8.0	580
28	37	131	100	130	298	184	106	42	16	15	7.6	239
29	37	126	86	305	---	172	95	38	16	13	7.2	154
30	36	111	88	392	---	194	86	33	36	11	19	113
31	36	---	82	180	---	160	---	33	---	10	23	---
TOTAL	1881	4759	7342	5251	6140	6770	7345	3610	1661	599.6	813.4	2130.2
MEAN	60.7	159	237	169	219	218	245	116	55.4	19.3	26.2	71.0
MAX	136	590	1530	759	1560	1330	1820	305	172	93	181	580
MIN	36	31	82	49	60	64	86	33	16	9.6	7.2	6.8
CFSM	.62	1.62	2.42	1.72	2.23	2.22	2.50	1.18	.57	.20	.27	.72
IN.	.71	1.81	2.79	1.99	2.33	2.57	2.79	1.37	.63	.23	.31	.81
CAL YR 1974	TOTAL	50070.5	MEAN 137	MAX 1530	MIN 6.5	CFSM 1.40	IN 19.01					
WTR YR 1975	TOTAL	48302.2	MEAN 132	MAX 1820	MIN 6.8	CFSM 1.35	IN 18.34					

PEAK DISCHARGE (BASE, 2,300 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-08	1930	7.66	4,300	04-03	1430	7.65	4,690
02-24	2130	6.31	2,710				

01361570 TENMILE CREEK AT OAK HILL, N.Y.

LOCATION.-- Lat 42°24'26", long 74°08'06", Greene County, on left bank 425 ft (130 m) upstream from bridge on State Highway 81, about 1,500 ft (457 m) upstream from mouth, 0.9 mi (1.4 km) east of Oak Hill, and 2.3 mi (3.7 km) downstream from Eightmile Creek.

DRAINAGE AREA.--35.3 mi² (91.4 km²).

PERIOD OF RECORD.--October 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is 588.19 ft (179.280 m) above mean sea level.

AVERAGE DISCHARGE.--7 years, 54.0 ft³/s (1.529 m³/s) 20.78 in/yr (527.8 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,540 ft³/s (43.6 m³/s) Apr. 3 (gage height, 5.69 ft or 1.734 m), from rating curve extended as explained below; minimum, 0.64 ft³/s (0.018 m³/s) Sept. 11 (gage height, 2.33 ft or 0.710 m).

Period of record: Maximum discharge, 2,620 ft³/s (74.2 m³/s) July 3, 1974 (gage height, 6.48 ft or 1.975 m), from rating curve extended above 700 ft³/s (19.8 m³/s); minimum daily, 0.5 ft³/s (0.014 m³/s) Oct. 1-4, 1968; minimum gage height, 2.18 ft (0.664 m) July 13, 1971.

REMARKS.--Records fair except those for winter periods, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	37	9.5	26	30	66	95	51	20	9.6	7.0	2.4	3.1	
2	34	10	29	29	58	75	49	25	9.2	4.5	2.2	2.6	
3	29	9.5	37	28	50	66	64.8	27	9.9	3.8	1.9	2.3	
4	24	13	38	27	46	61	40.4	27	16	3.4	2.8	1.9	
5	20	32	42	27	47	52	16.8	47	13	3.0	4.7	1.4	
6													
7	18	67	49	29	48	44	11.4	41	41	2.6	2.9	1.4	
8	16	48	52	32	46	37	85	80	50	2.3	13	1.4	
9	15	37	58.0	33	39	39	73	61	30	2.2	24	1.0	
10	14	30	71.3	49	33	45	63	43	22	2.0	20	1.2	
11	13	25	21.2	93	31	38	59	35	16	2.6	11	.88	
12	12	22	11.8	37.0	30	30	55	33	13	2.7	8.9	.75	
13	11	24	95	36.0	29	25	50	45	20	3.0	9.9	1.4	
14	10	35.5	84	18.0	29	26	45	10.3	45	3.5	7.3	2.0	
15	9.5	15.9	80	11.8	29	27	41	73	34	3.9	5.6	1.2	
16	9.0	10.3	6.9	11.0	30	28	43	50	27	3.7	4.2	.88	
17	14	75	61	9.4	31	29	45	67	21	2.9	4.4	.88	
18	30	59	66	80	31	30	52	59	23	2.6	4.7	.88	
19	26	49	62	70	30	34	53	44	18	2.2	4.0	1.0	
20	20	44	55	60	29	80	55	36	14	2.0	3.1	1.4	
21	17	49	49	54	27	62.3	53	30	11	4.2	2.6	2.0	
22	16	11.3	46	50	27	30.6	44	26	9.6	16	2.3	2.2	
23	14	9.8	43	50	34	15.2	35	22	8.0	9.6	2.2	2.2	
24	13	6.2	39	48	49	13.0	29	20	7.0	7.5	4.0	3.1	
25	13	5.5	39	47	59.0	13.9	31	17	6.4	7.3	6.3	8.9	
26	13	5.9	39	58	82.2	18.4	35	14	6.0	21	6.0	7.5	
27	13	4.9	3.8	9.4	36.5	15.9	33	13	5.8	11	6.0	12.6	
28	12	3.4	3.7	7.0	17.3	8.4	2.8	11	5.2	7.0	5.6	18.9	
29	12	3.6	3.6	6.2	11.5	7.7	2.4	11	4.7	5.0	2.3	9.1	
30	11	3.4	3.5	7.0	---	5.9	2.2	8.9	4.5	4.0	1.0	5.3	
31	10	2.9	3.2	13.0	---	6.2	2.0	8.9	11	3.1	6.0	3.7	
TOTAL	10	---	3.0	9.0	---	5.7	---	9.9	---	2.8	4.7	---	
MEAN	515.5	1789.0	2931	2652	2934	2893	2507	1107.7	510.9	158.4	186.0	616.97	
MAX	16.6	59.6	94.5	85.5	105	93.3	83.6	35.7	17.0	5.11	6.00	20.6	
MIN	37	355	713	370	822	623	648	103	50	21	24	189	
CFSM	9.0	9.5	26	27	27	25	20	8.9	4.5	2.0	1.0	.75	
IN.	.47	1.69	2.68	2.42	2.97	2.64	2.37	1.01	.48	.14	.17	.58	
	.54	1.89	3.09	2.79	3.09	3.05	2.64	1.17	.54	.17	.20	.65	
CAL YR	1974	TOTAL	20679.40	MEAN	56.7	MAX	1270	MIN	3.6	CFSM	1.61	IN	21.79
WTR YR	1975	TOTAL	18801.47	MEAN	51.5	MAX	822	MIN	.75	CFSM	1.46	IN	19.81

PEAK DISCHARGE (BASE, 650 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-08	2300	5.56	1,410	03-20	1630	4.70	675
02-24	2200	5.25	1,120	04-03	1500	5.69	1,540

HUDSON RIVER BASIN

01362198 ESOPUS CREEK AT SHANDAKEN, N.Y.
(HYDROLOGIC BENCH-MARK STATION)

LOCATION.--Lat 42°06'59", long 74°23'20", Ulster County, on left bank 2,400 ft (732 m) downstream from bridge on State Highway 28, at Shandaken, 0.5 mi (0.8 km) downstream from Bushnellsville Creek, 0.5 mi (0.8 km) upstream from Fox Hollow Creek, and 5.2 mi (8.4 km) northwest of Phoenicia.

DRAINAGE AREA.--59.5 mi² (154 km²).

PERIOD OF RECORD.--October 1963 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 1,017.27 ft (310.064 m) above mean sea level.

AVERAGE DISCHARGE.--12 years, 135 ft³/s (3.823 m³/s) (30.81 in/yr or 782.6 mm/yr).

EXTREMES.--Current year: Maximum discharge, 5,680 ft³/s (161 m³/s) Dec. 8 (gage height, 10.87 ft or 3.313 m); minimum, 25 ft³/s (0.71 m³/s) Aug. 29, Sept. 11-12 (gage height, 4.98 ft or 1.518 m).
Period of record: Maximum discharge, 7,870 ft³/s (223 m³/s) July 28, 1969 (gage height, 10.88 ft or 3.316 m) from rating extended above 2,200 ft³/s (62.3 m³/s) on basis of slope-area measurement of peak flow; minimum 2.8 ft³/s (0.079 m³/s) Nov. 22, 23, 1964, result of freezeup (gage height, 4.15 ft or 1.265 m).

REMARKS.--Records poor. Occasional slight regulation when filling or draining swimming pools or small ponds above station. Water-quality records for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	213	55	110	65	200	311	170	161	84	41	68	42
2	179	53	112	65	180	274	170	172	76	39	68	39
3	152	51	122	65	170	237	704	164	73	49	66	35
4	134	58	112	65	130	211	778	215	86	44	66	34
5	118	86	100	66	120	188	522	297	90	42	64	31
6	105	94	96	66	130	170	396	292	164	39	64	28
7	94	94	96	68	110	154	316	419	178	38	80	28
8	88	94	2080	62	110	149	265	362	167	45	68	27
9	82	94	1990	113	100	132	233	316	170	52	60	31
10	76	94	790	120	100	136	211	269	154	56	56	27
11	72	94	510	222	92	123	194	237	141	54	54	26
12	68	92	400	535	90	115	178	261	204	50	52	40
13	62	256	330	431	90	118	167	331	219	80	46	50
14	60	248	290	326	90	115	161	346	204	120	42	44
15	58	236	245	265	60	111	156	326	184	130	39	40
16	68	206	220	230	76	104	140	311	170	100	50	39
17	80	185	180	204	109	104	130	261	154	80	44	36
18	70	170	150	198	104	102	167	230	139	70	37	35
19	68	155	140	175	102	139	274	204	127	90	34	37
20	66	143	130	154	100	1160	390	181	113	120	32	43
21	64	189	120	136	92	704	292	194	100	204	31	44
22	62	182	113	141	88	479	237	154	90	149	30	44
23	62	170	104	123	98	379	215	150	80	120	29	49
24	62	170	102	113	352	341	245	140	75	110	34	64
25	60	164	98	127	1120	241	287	160	66	100	34	220
26	60	155	90	184	727	400	249	130	60	110	30	288
27	58	143	82	184	491	380	215	111	53	98	28	372
28	56	137	80	201	373	270	191	98	51	88	26	271
29	55	125	76	245	---	220	172	88	51	82	25	203
30	53	112	71	357	---	230	159	86	49	78	59	161
31	56	---	65	250	---	190	---	80	---	72	49	---
TOTAL	2561	4105	9204	5556	5604	7987	7984	6746	3572	2550	1465	2428
MEAN	82.6	137	297	179	200	258	266	218	119	82.3	47.3	80.9
MAX	213	256	2080	535	1120	1160	778	419	219	204	80	372
MIN	53	51	65	62	60	102	130	80	49	38	25	26
CFSM	1.39	2.30	4.99	3.01	3.36	4.34	4.47	3.66	2.00	1.38	.79	1.36
IN.	1.60	2.57	5.75	3.47	3.50	4.99	4.99	4.22	2.23	1.59	.92	1.52
CAL YR 1974	TOTAL	57639	MEAN 158	MAX 2080	MIN 13	CFSM 2.66	IN 36.04					
WTR YR 1975	TOTAL	59762	MEAN 164	MAX 2080	MIN 25	CFSM 2.76	IN 37.36					

PEAK DISCHARGE (BASE, 1,100 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-08	1800	10.87	5,680	03-20	1500	7.39	1,330
02-25	1430	7.45	1,290	04-03	1445	7.58	1,420

01362500 ESOPUS CREEK AT COLDBROOK, N.Y.

LOCATION.--Lat 42°00'51", long 74°16'16", Ulster County, on left bank at downstream side of bridge on Coldbrook Road, in Coldbrook, 1.5 mi (2.4 km) upstream from Ashokan Reservoir and 2.5 mi (4.0 km) south of Mount Tremper.

DRAINAGE AREA.--192 mi² (497 km²).

PERIOD OF RECORD.--January 1914 to current year. Monthly discharge only for some periods, published in WSP 1302.

GAGE.--Water-stage recorder. Datum of gage is 621.54 ft (189.445 m) above mean sea level. Prior to June 15, 1916, nonrecording gage at same site and datum.

EXTREMES.--Current year: Maximum discharge, 21,700 ft³/s (615 m³/s) Dec. 8 (gage height, 14.43 ft or 4.398 m); minimum daily, 129 ft³/s (3.65 m³/s) Nov. 1; minimum gage height, 3.94 ft (1.201 m) Oct. 30.

Period of record: Maximum discharge, 59,600 ft³/s (1,690 m³/s) Mar. 30, 1951 (gage height, 20.70 ft or 6.309 m), from rating curve extended above 13,000 ft³/s (368 m³/s) on basis of slope-area measurements at gage heights 12.39 ft (3.776 m), 15.15 ft (4.618 m) and 20.70 ft (6.309 m); minimum daily, 8 ft³/s (0.23 m³/s) Oct. 14, 1914.

REMARKS.--Records fair except those for winter periods, which are poor. Since 1924, water diverted from Schoharie Reservoir through Shandaken Tunnel (see Reservoirs in Hudson River basin) enters Esopus Creek 10.5 mi (16.9 km) above station and is included in records of daily discharge.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	694	129	299	264	530	830	588	583	630	704	338	400
3	626	287	500	246	468	685	554	642	594	685	357	390
4	566	295	465	228	415	577	2340	624	600	679	338	385
5	520	329	360	257	280	468	2350	950	691	666	343	376
	485	455	342	221	280	425	1540	1390	698	666	410	366
6												
7	455	475	460	203	270	385	1170	1020	1370	666	395	366
8	430	279	440	228	312	357	943	1460	1380	660	484	356
9	410	299	8490	210	270	361	783	1150	1200	654	513	352
10	395	485	7200	850	258	282	685	972	1060	654	704	376
	410	470	3100	665	211	274	600	830	698	666	685	380
11												
12	620	465	1500	1310	225	258	548	723	473	648	679	371
13	610	490	1200	1960	218	251	496	900	824	648	685	380
14	599	2380	950	1370	221	290	446	1310	1080	730	672	303
15	588	1450	820	994	191	266	410	1170	830	789	666	286
	626	1000	700	769	225	247	390	994	691	935	654	274
16												
17	832	760	660	648	194	236	375	914	630	783	672	270
18	850	648	760	519	175	247	380	783	642	717	666	266
19	808	566	632	457	163	251	400	685	518	698	654	278
20	796	510	550	496	166	900	612	612	446	704	660	366
	778	510	500	395	163	6240	871	530	385	783	642	376
21												
22	766	730	460	316	155	2290	685	490	329	1090	588	356
23	760	604	430	250	155	1590	577	473	295	851	410	361
24	748	545	395	282	1440	1250	519	452	278	660	400	425
25	736	520	385	270	3480	1130	571	430	390	636	415	462
	730	505	390	352	2970	1130	672	501	560	987	405	1220
26												
27	718	460	342	583	2070	1130	624	385	691	789	395	1350
28	700	420	324	415	1350	935	554	366	723	723	390	1500
29	688	390	303	375	1020	824	496	436	736	648	380	1130
30	577	360	287	479	---	743	554	507	810	468	376	935
31	135	324	279	685	---	783	571	600	763	375	473	830
	143	---	268	577	---	660	---	612	---	352	420	---
TOTAL												
MEAN	18799	17140	33791	16874	17875	26295	22304	23494	21015	21714	15869	15486
MAX	606	571	1090	544	638	848	743	758	701	700	512	516
MIN	850	2380	8490	1960	3480	6240	2350	1460	1380	1090	704	1500
	135	129	268	203	155	236	375	366	278	352	338	266
CAL YR 1974	TOTAL	257340	MEAN 705	MAX 8490	MIN 129							
WTR YR 1975	TOTAL	250656	MEAN 687	MAX 8490	MIN 129							

HUDSON RIVER BASIN

01364500 ESOPUS CREEK AT MOUNT MARION, N.Y.

LOCATION.--Lat 42°02'16", long 73°58'21", Ulster County, on left bank at downstream side of bridge on Glasco Turnpike, 0.8 mi (1.3 km) east of Mount Marion, 1.6 mi (2.6 km) downstream from Plattekill Creek, and 4.5 mi (7.2 km) upstream from mouth.

DRAINAGE AREA.--419 mi² (1,085 km²).

PERIOD OF RECORD.--May 1907 to March 1918 (monthly discharge only, published in WSP 1302) occasional miscellaneous measurements, 1951, 1956, 1966, 1967, 1969. March 1970 to current year.

GAGE.--Water-stage recorder. Datum of gage is 40.16 ft (12.241 m) above mean sea level. Prior to Aug. 12, 1970, nonrecording gage at same site (at different datum May 1907 to March 1908, and at present datum June 9, 1966 to Aug. 12, 1970).

AVERAGE DISCHARGE.--5 years (1971-75), 576 ft³/s (16.31 m³/s).

EXTREMES.--Current year: Maximum discharge, 5,130 ft³/s (145 m³/s) Feb. 25 (gage height, 18.93 ft or 5.770 m); minimum, 31 ft³/s (0.88 m³/s) Sept. 16-19 (gage height, 12.17 ft or 3.709 m).

Period of record: Maximum discharge observed, 28,000 ft³/s (793 m³/s) Apr. 26, 1910 (gage height, 25.10 ft or 7.650 m), datum then in use; minimum, 10 ft³/s (0.28 m³/s) Aug. 20-22, 1970 (gage height, 11.77 ft or 3.587 m).

REMARKS.--Records fair. Flow from 256 mi² (663 km²) of drainage area regulated by Ashokan Reservoir since Sept. 9, 1913. Water diverted from Schoharie Creek through Shandaken Tunnel (see Hudson River basin, Reservoirs in) since Feb. 3, 1924, enters Esopus Creek about 12.2 mi (19.6 km) above Ashokan Reservoir. Large diversions from 33 mi² (85.5 km²) of Saw Kill and 17 mi² (44.0 km²) of Plattekill tributaries above station for water supply of Kingston and Saugerties. Diversions upstream during summer months for irrigation purposes. Diversions for water supply of city of New York made from Ashokan Reservoir (see Hudson River basin, Reservoirs in). Discharge records for this station now represent the natural flow from 112 mi² (290 km²), together with spillage during high stages from the upstream reservoirs. Water-quality records for the current year are published in Section 2 of this report for station (01364501) at Saugerties, 3.2 mi (5.1 km) downstream.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	310	84	179	196	456	754	935	154	179	95	88	68
2	251	85	244	189	386	592	760	163	171	84	80	56
3	205	82	416	171	333	477	1900	177	161	77	71	48
4	173	84	368	163	281	379	4590	189	249	70	67	43
5	150	167	302	161	260	339	4240	468	231	64	85	39
6	137	262	265	145	250	319	3050	546	713	59	81	37
7	121	257	239	150	240	299	2230	1180	1140	54	100	37
8	109	229	1200	156	210	308	1720	1560	707	52	116	35
9	102	202	2780	440	190	262	1310	1610	531	50	115	37
10	95	183	1410	1110	180	245	991	1360	566	54	92	36
11	86	167	868	1140	181	234	779	1110	507	58	79	33
12	81	158	634	1950	169	234	651	1050	592	53	70	33
13	74	481	522	1540	167	281	541	2360	1800	109	64	35
14	71	546	440	1130	169	289	473	2560	1630	249	59	36
15	71	456	382	742	160	265	364	2210	1290	305	52	33
16	88	390	351	581	158	265	328	1860	949	205	53	32
17	165	322	651	456	158	262	325	1610	1070	158	61	31
18	154	286	725	340	161	262	289	1200	816	167	62	31
19	129	257	556	350	181	283	249	963	586	196	56	36
20	115	262	452	360	207	3520	259	742	428	231	49	62
21	105	640	386	330	212	3340	313	566	330	767	43	80
22	100	673	345	290	219	3910	416	473	236	512	41	68
23	96	489	310	240	291	3070	302	436	194	297	38	64
24	92	401	289	220	1960	2280	308	342	171	219	41	127
25	89	348	283	302	3720	2140	342	473	147	316	47	623
26	90	302	273	767	2520	1930	351	342	130	262	47	942
27	88	257	241	678	1450	1690	436	278	118	189	46	935
28	82	234	234	541	984	1320	319	229	110	156	41	512
29	79	216	214	503	---	1070	219	189	109	130	37	330
30	77	194	207	662	---	1060	173	167	107	112	63	251
31	81	---	198	556	---	1160	---	177	---	96	81	---
TOTAL	3666	8714	15964	16559	15853	32839	29163	26744	15968	5446	2025	4730
MEAN	118	290	515	534	566	1059	972	863	532	176	65.3	158
MAX	310	673	2780	1950	3720	3910	4590	2560	1800	767	116	942
MIN	71	82	179	145	158	234	173	154	107	50	37	31
CAL YR 1974	TOTAL	193558	MEAN 530	MAX 4810	MIN 26							
WTR YR 1975	TOTAL	177671	MEAN 487	MAX 4590	MIN 31							

HUDSON RIVER BASIN

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01364502 HUDSON RIVER (ESOPUS CREEK) AT SAUGERTIES, N.Y.

LOCATION.--Lat 42°04'16", long 73°56'15", Ulster County, at Coast Guard Station, on left bank, 0.4 mi (0.6 km) upstream from mouth, and 0.9 mi (1.4 km) downstream from dam in Saugerties.

DRAINAGE AREA.--10,436 mi² (27,029 km²) includes that of Esopus Creek.

PERIOD OF RECORD.--November 1973 to current year.

GAGE.--Water-stage recorder. Datum of gage is at 10.00 ft (3.048 m) below mean sea level (levels by Corps of Engineers). Gage-height record converted to elevation above or below (-) mean sea level for publication.

Summaries of tide elevations during period are as follows:

TIDE ELEVATIONS, IN FEET, PERIOD NOVEMBER 1973 TO SEPTEMBER 1974

		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
Maximum	Elevation		3.89(a)	4.63(a)		3.52(a)	4.67	4.25	4.42	4.12	4.32	3.99	3.92
high tide	Date		28(a)	10(a)		03(a)	31	05	24	25	04	18	16
Minimum	Elevation		-1.66(a)	-2.84(a)		-2.09(a)	-2.81	-1.32	-2.28	-1.33	-1.62	-1.45	-1.59
low tide	Date		29(a)	19(a)		26(a)	02	11	04	20	20	09	30
Mean high tide							2.46	3.07	3.20	3.22	3.12	2.98	3.02
Mean water level							0.72	1.32	1.41	1.42	1.34	1.20	1.29
Mean low tide							-1.18	-0.67	-0.65	-0.66	-0.71	-0.83	-0.72

a--recorded.

NOTE.--Gage installed Nov. 26, 1973. No elevations recorded Nov. 1-26, Dec. 19 to Jan. 31, Feb. 4-25.

TIDE ELEVATIONS, IN FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
Maximum	Elevation	4.05(a)	4.43	5.77	4.23	6.27(a)	4.54	4.22(a)		3.32(a)	4.11	3.98	4.38
high tide	Date	17(a)	13	02	11	25(a)	20	17(a)		26(a)	10	09,31	25
Minimum	Elevation	-1.91(a)	-2.80	-2.49	-2.71	-2.98(a)	-2.83	-2.78(a)		-1.51(a)	-1.36	-1.63	-1.59
low tide	Date	16(a)	26	04	27	04(a)	09	04(a)		25(a)	18	22	10
Mean high tide			2.79	2.93	2.62	2.62(a)	2.82	2.57(a)			3.10	3.03	3.13
Mean water level			1.00	1.16	0.75	0.95(a)	1.04	0.85(a)			1.34	1.22	1.34
Mean low tide			-0.99	-0.82	-1.10	-0.88(a)	-0.92	-1.10(a)			-0.67	-0.81	-0.67

a--recorded.

NOTE.--No elevations recorded Oct. 1-11, Feb. 13-15, Mar. 27, Apr. 25 to June 24.

01365000 RONDOUT CREEK NEAR LOWES CORNERS, N.Y.

LOCATION.--Lat 41°52'00", long 74°29'12", Sullivan County, on left bank 100 ft (30 m) downstream from small tributary, 350 ft (107 m) upstream from bridge on county road, 1.1 mi (1.8 km) upstream from Sugarloaf Brook, 1.1 mi (1.8 km) east of Lowes Corners, and 1.9 mi (3.1 km) southwest of Sundown.

DRAINAGE AREA.--38.5 mi² (99.7 km²).

PERIOD OF RECORD.--February 1937 to current year.

GAGE.--Water-stage recorder. Datum of gage is 874.44 ft (266.529 m) above mean sea level. Prior to Oct. 4, 1938, nonrecording gage at highway bridge 350 ft (107 m) downstream at datum 847.00 ft (258.17 m) above mean sea level (levels by Board of Water Supply, City of New York). Oct. 4, 1938 to July 5, 1951, water-stage recorder at site 1.2 mi (1.9 km) downstream; Oct. 4, 1938 to July 3, 1949, datum 847.00 ft (258.17 m) and July 4, 1949 to July 5, 1951 datum 846.00 ft (257.86 m) above mean sea level (levels by Board of Water Supply, City of New York).

AVERAGE DISCHARGE.--38 years, 97.0 ft³/s (2.747 m³/s) (34.21 in/yr or 868.9 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,800 ft³/s (79.3 m³/s) Dec. 8 (gage height, 6.67 ft or 2.033 m); maximum gage height, 6.69 ft (2.039 m) Mar. 20; minimum discharge, 22 ft³/s (0.62 m³/s) Aug. 23-24, 28-29; minimum gage height, 2.67 ft (0.814 m) Nov. 2.

Period of record: Maximum discharge observed, 7,600 ft³/s (215 m³/s) July 22, 1938, from rating curve extended above 2,600 ft³/s (73.6 m³/s); maximum gage height, 10.38 ft (3.164 m) Oct. 15, 1955; minimum discharge, 4.2 ft³/s (0.12 m³/s) Nov. 13, 15, 21, 23, 1964.

REMARKS.--Records fair.

REVISIONS (WATER YEAR).--WSP 1702: 1952.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	78	40	71	57	133	197	164	88	90	51	60	35
2	73	38	100	54	122	164	159	98	75	48	52	32
3	69	38	89	51	112	140	475	90	88	46	48	30
4	66	47	74	51	102	120	415	164	100	44	43	27
5	61	72	70	49	107	110	288	211	109	42	35	26
6	58	70	67	47	103	105	233	191	237	40	34	30
7	55	61	66	50	93	100	197	327	188	38	60	27
8	52	58	900	47	88	109	175	237	154	37	46	26
9	50	58	800	154	82	87	157	200	152	59	41	34
10	47	58	375	100	74	85	142	175	129	56	37	26
11	46	56	290	194	72	82	133	157	114	40	35	25
12	45	58	224	281	68	83	122	211	299	37	34	39
13	43	225	188	227	67	105	114	373	475	78	31	34
14	42	130	162	178	64	92	107	315	288	87	30	28
15	42	118	140	147	64	85	103	247	224	133	28	27
16	61	106	135	135	63	80	100	250	203	71	37	26
17	62	98	140	114	60	83	100	203	200	59	35	26
18	48	91	118	112	59	87	103	178	159	52	30	26
19	45	86	105	112	63	194	131	162	137	49	27	44
20	43	108	98	96	60	1480	137	142	120	280	25	50
21	42	165	92	90	57	567	120	129	105	270	24	51
22	42	123	87	87	57	360	109	126	95	210	25	40
23	40	110	80	80	77	303	102	129	87	170	24	50
24	40	108	78	77	445	319	124	126	80	140	40	86
25	42	104	80	157	684	343	124	116	72	130	31	211
26	43	95	71	188	391	303	110	100	68	110	29	253
27	40	87	67	129	288	240	102	93	64	96	29	237
28	39	84	64	118	233	211	95	85	64	84	24	171
29	38	80	60	154	---	191	88	105	65	76	24	129
30	36	73	60	175	---	218	85	87	57	66	124	107
31	43	---	57	144	---	180	---	85	---	62	50	---
TOTAL	1531	2645	5008	3655	3888	6823	4614	5200	4298	2761	1192	1953
MEAN	49.4	88.2	162	118	139	220	154	168	143	89.1	38.5	65.1
MAX	78	225	900	281	684	1480	475	373	475	280	124	253
MIN	36	38	57	47	57	80	85	85	57	37	24	25
CFSM	1.28	2.29	4.21	3.06	3.61	5.71	4.00	4.36	3.71	2.31	1.00	1.69
IN.	1.48	2.56	4.84	3.53	3.76	6.59	4.46	5.02	4.15	2.67	1.15	1.89

CAL YR 1974 TOTAL 37309 MEAN 102 MAX 900 MIN 14 CFSM 2.65 IN 35.98
WTR YR 1975 TOTAL 43568 MEAN 119 MAX 1480 MIN 24 CFSM 3.09 IN 42.10

PEAK DISCHARGE (BASE, 1,200 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-08	1600	6.67	2,800	04-03	1345	5.64	1,290
03-20	0430	6.69	2,370				

01365500 CHESTNUT CREEK AT GRAHAMSVILLE, N.Y.

LOCATION.--Lat 41°50'42", long 74°32'27", Sullivan County, on right bank just downstream from bridge in Grahamsville, 600 ft (183 m) downstream from Red Brook, and 0.6 mi (1.0 km) upstream from bridge on State Highway 55.

DRAINAGE AREA.--20.9 mi² (54.1 km²).

PERIOD OF RECORD.--October 1938 to current year. Monthly discharge only for some periods, published in WSP 1302.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 880.96 ft (268.516 m) above mean sea level.

AVERAGE DISCHARGE.--37 years, 38.6 ft³/s (1.093 m³/s) (25.08 in/yr or 637.0 mm/yr).

EXTREMES.--Current year: Maximum discharge, 4,310 ft³/s (122 m³/s) July 20; (gage height, 4.30 ft or 1.311 m) from rating curve extended above 1,100 ft³/s (31.2 m³/s); minimum, 9.7 ft³/s (0.27 m³/s) Aug. 23 (gage height, 0.70 ft or 0.213 m).
 Period of record: Maximum discharge, 4,640 ft³/s (131 m³/s) Oct. 15, 1955 (gage height, 5.02 ft or 1.530 m), from rating curve extended above 1,300 ft³/s (36.8 m³/s) on basis of slope-area measurement at gage height 4.68 ft (1.426 m); minimum, 1.4 ft³/s (0.040 m³/s) Nov. 1, 1964.

REMARKS.--Records poor. Slight seasonal regulation caused by Beaverdam Pond on Red Brook.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	43	20	27	27	50	75	62	32	30	20	23	20
3	35	18	62	26	45	62	58	43	27	16	20	18
4	30	18	50	24	45	52	299	36	43	16	18	17
5	27	23	41	25	56	47	184	66	58	15	21	14
6	26	43	36	22	36	41	121	70	73	13	21	12
7												
8	23	38	33	22	38	40	96	68	158	12	23	15
9	22	30	32	22	33	40	79	118	102	12	42	15
10	22	29	468	22	30	52	68	70	68	11	25	12
11	21	27	288	112	29	41	60	56	56	63	19	16
12	20	25	131	70	28	33	56	48	43	40	19	12
13												
14	18	23	91	124	27	32	54	41	40	20	17	12
15	20	25	77	131	26	36	54	82	238	17	16	18
16	18	134	70	102	25	54	48	169	252	46	15	15
17	17	56	62	77	24	43	45	127	121	62	15	13
18	17	47	54	75	25	38	41	84	89	77	14	14
19												
20	35	41	54	56	23	36	45	94	77	42	19	15
21	35	38	70	50	23	40	41	70	75	32	18	13
22	26	38	58	45	25	41	40	60	58	24	15	11
23	23	36	48	42	30	192	41	54	50	20	14	23
24	22	50	43	41	30	539	40	45	43	300	12	23
25												
26	22	75	41	50	27	192	36	40	33	120	11	30
27	22	50	38	36	30	127	33	58	33	100	11	21
28	20	43	36	32	56	112	33	58	27	80	10	29
29	20	41	36	32	270	137	47	50	26	60	28	65
30	21	40	35	87	433	137	45	89	26	50	17	160
31												
1	21	35	33	104	180	110	38	52	21	45	17	124
2	20	33	32	64	115	82	33	43	20	40	16	107
3	18	32	30	54	89	70	32	36	23	36	12	66
4	18	30	29	70	---	64	29	29	33	33	12	51
5	17	29	29	75	---	94	29	38	23	27	104	40
6	22	---	27	56	---	70	---	38	---	24	30	---
TOTAL	721	1167	2161	1775	1848	2729	1887	1964	1966	1473	654	1001
MEAN	23.3	38.9	69.7	57.3	66.0	88.0	62.9	63.4	65.5	47.5	21.1	33.4
MAX	43	134	468	131	433	539	299	169	252	300	104	160
MIN	17	18	27	22	23	32	29	29	20	11	10	11
CFSM	1.11	1.86	3.33	2.74	3.16	4.21	3.01	3.03	3.13	2.27	1.01	1.60
IN.	1.28	2.08	3.85	3.16	3.29	4.86	3.36	3.50	3.50	2.62	1.16	1.78

CAL YR	1974	TOTAL	16351.1	MEAN	44.8	MAX	468	MIN	5.1	CFSM	2.14	IN	29.10
WTR YR	1975	TOTAL	19346.0	MEAN	53.0	MAX	539	MIN	10	CFSM	2.54	IN	34.43

PEAK DISCHARGE (BASE, 500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-08	1500						
02-25	0215	2.51	942	04-03	1245	2.48	908
03-19	2215	2.32	700	06-12	2315	2.23	640
		2.52	954	07-20	1530	4.30	4,310

01366650 SANDBURG CREEK AT ELLENVILLE, N.Y.

LOCATION.--Lat 41°42'54", long 74°23'21", Ulster County, on right bank at upstream side of bridge on Canal Street, at Ellenville, 800 ft (244 m) downstream from North Gully, 0.5 mi (0.8 km) upstream from Beer Kill, and 1.7 mi (2.7 km) upstream from mouth.

DRAINAGE AREA.--56.7 mi² (147 km²).

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1943, 1949-50, 1955-1957. April 1957 to current year.

GAGE.--Water-stage recorder. Datum of gage is 303.22 ft (92.421 m) above mean sea level. Prior to Aug. 28, 1957, nonrecording gage.

AVERAGE DISCHARGE.--18 years, 99.8 ft³/s (2.826 m³/s) (23.90 in/yr or 607.1 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,340 ft³/s (66.3 m³/s) Mar. 20 (gage height, 6.09 ft or 1.856 m); minimum, 17 ft³/s (0.48 m³/s) Aug. 23, 24, Sept. 15, 16; minimum gage height, 0.73 ft (0.223 m) Sept. 15, 16.

Period of record: Maximum discharge, 4,660 ft³/s (132 m³/s) Aug. 19, 1960 (gage height, 7.01 ft or 2.137 m); minimum 3.2 ft³/s (0.091 m³/s) Oct. 14, 1964.

REMARKS.--Records fair. Occasional regulation when filling swimming pools or small ponds upstream from station.

REVISIONS (WATER YEARS).--WRD N.Y. 1971: 1969(P).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	96	53	54	76	158	236	156	59	70	41	26	26
2	71	48	70	70	138	195	147	84	62	38	25	24
3	59	43	90	60	122	168	666	80	88	36	25	24
4	51	44	80	54	96	130	570	140	134	35	24	21
5	48	50	70	52	96	110	335	208	126	32	26	20
6	44	58	64	50	100	100	260	166	407	31	26	20
7	42	53	70	52	88	100	208	314	305	31	48	20
8	38	49	1080	56	80	120	178	213	188	27	35	19
9	36	44	885	329	70	110	158	166	150	29	30	19
10	35	42	398	311	64	98	144	148	122	34	26	19
11	33	39	269	407	60	94	138	138	100	29	25	18
12	33	42	213	506	60	100	122	233	236	27	23	19
13	31	300	180	446	60	162	110	606	498	65	22	20
14	31	193	160	326	56	146	102	522	275	242	26	18
15	31	137	140	233	56	130	96	323	190	174	22	17
16	68	109	138	193	56	120	92	308	164	104	24	17
17	102	94	172	150	58	124	86	233	176	71	26	18
18	70	85	150	130	60	130	79	188	136	55	26	18
19	56	78	128	120	70	344	79	164	114	47	23	24
20	51	92	112	110	80	1960	76	142	96	61	21	29
21	46	176	104	100	80	750	58	128	79	76	20	26
22	44	139	96	96	82	425	64	112	70	58	20	22
23	44	104	88	90	130	338	61	102	64	46	19	30
24	43	96	84	84	945	335	79	92	58	42	26	120
25	43	84	106	130	1230	341	98	162	53	50	31	248
26	44	74	106	278	602	266	82	112	49	41	26	188
27	42	68	86	188	374	203	73	90	47	35	26	144
28	39	64	80	156	281	174	65	74	46	33	23	90
29	38	60	76	188	---	165	62	67	53	29	20	65
30	38	58	74	245	---	213	59	68	45	27	41	52
31	55	---	73	180	---	185	---	77	---	26	34	---
TOTAL MEAN	1502	2576	5496	5466	5352	8073	4498	5519	4201	1672	815	1395
MAX	48.5	85.9	177	176	191	260	150	178	140	53.9	26.3	46.5
MIN	102	300	1080	506	1230	1960	666	606	498	242	48	248
CFSM	31	39	54	50	56	94	58	59	45	26	19	17
IN.	.86	1.51	3.12	3.10	3.37	4.59	2.65	3.14	2.47	.95	.46	.82
IN.	.99	1.69	3.61	3.59	3.51	5.30	2.95	3.62	2.76	1.10	.53	.92
CAL YR 1974 TOTAL	44999		MEAN 123	MAX 1080	MIN 17	CFSM 2.17	IN 29.52					
WTR YR 1975 TOTAL	46565		MEAN 128	MAX 1960	MIN 17	CFSM 2.26	IN 30.55					

PEAK DISCHARGE (BASE, 800 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-08	1745	5.98	2,230	03-20	0300	6.09	2,340
02-25	0100	5.18	1,600	04-03	1530	4.80	1,430

01367500 RONDOUT CREEK AT ROSENDALE, N.Y.

LOCATION.--Lat 41°50'35", long 74°05'11", Ulster County, on left bank 30 ft (9 m) upstream from bridge on James Street in Rosendale, and 3 mi (5 km) upstream from Wallkill River.

DRAINAGE AREA.--386 mi² (1000 km²) (see REMARKS below).

PERIOD OF RECORD.--July 1901 to November 1903, October 1905 to January 1919, August 1926 to current year. Monthly discharge only for some periods, published in WSP 1302, and WRD N.Y. 1970.

GAGE.--Water-stage recorder. Datum of gage is 32.83 ft (10.007 m) above mean sea level. Prior to January 1919, nonrecording gage at site 150 ft (46 m) downstream at datum 38.83 ft (11.835 m) above mean sea level. Aug. 3, 1926 to Sept. 10, 1969, at present site at datum 42.83 ft (13.055 m) above mean sea level. Sept. 11, 1969 to Feb. 3, 1970, water-stage recorder, and June 9, 1970 to Jan. 18, 1971, nonrecording gage at site 0.2 mi (0.3 km) upstream at datum 44.03 ft (13.420 m) above mean sea level.

EXTREMES.--Current year: Maximum discharge, 12,100 ft³/s (343 m³/s) Mar. 20 (gage height, 17.66 ft or 5.383 m); minimum, 54 ft³/s (1.53 m³/s) Aug. 23-24, Sept. 17-19 (gage height, 8.89 ft or 2.710 m).

Period of record: Maximum discharge, 35,800 ft³/s (1,010 m³/s) Oct. 16, 1955 (gage height, 36.8 ft or 11.22 m), datum then in use, from floodmarks, from rating curve extended above 15,000 ft³/s (425 m³/s) on basis of contracted-opening measurement at gage height 33.93 ft (10.342 m); minimum, 2.2 ft³/s (0.062 m³/s) July 16, 1965; minimum daily, 3.0 ft³/s (0.085 m³/s) July 16, 1965.

REMARKS.--Records good except those for winter periods, which are poor. Occasional regulation from hydroelectric plant upstream from station. Diversion from Rondout Creek through the emergency connection to the Delaware Aqueduct at Lackawack for New York City water supply during period April 1944 to May 1951. Flow regulated by Rondout Reservoir (see Hudson River Basin, Reservoirs in) since October 1950. Subsequent to May 1951, entire flow except for period of spilling, diverted from Rondout Reservoir for New York City water supply. Discharge records for this station now represent the natural flow from 272 mi² (704.5 km²), together with spillage during high flow from Rondout Reservoir.

REVISIONS.--WSP 641: Drainage Area. WSP 756: 1933

DISCHARGE IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	636	228	276	387	1000	1400	735	251	345	175	118	175
2	414	197	350	392	800	1100	684	371	302	157	113	166
3	345	178	615	335	700	901	3540	443	293	142	105	134
4	311	197	535	335	580	713	4010	503	548	124	101	105
5	284	280	420	325	640	649	2120	1280	454	116	103	89
6	228	365	387	284	540	615	1560	803	1680	107	103	84
7	207	335	365	315	450	588	1240	1970	1620	107	157	84
8	187	263	3580	320	380	684	929	1350	1010	101	178	80
9	178	224	6160	1940	350	561	788	901	670	105	137	82
10	175	207	2580	2020	320	509	699	720	541	181	118	84
11	166	197	1630	1970	310	472	636	670	437	148	105	72
12	160	197	1250	3120	310	466	581	939	901	116	99	70
13	154	1120	958	2830	290	780	522	4080	3090	280	93	78
14	148	920	829	2020	290	757	485	3540	1820	1360	87	84
15	145	706	735	1380	280	642	460	1950	1140	1250	87	74
16	214	622	691	1060	280	622	443	1730	795	622	87	70
17	516	541	1240	846	270	622	420	1410	883	414	113	62
18	376	437	1080	649	270	636	392	977	670	306	109	60
19	306	371	788	920	270	699	392	765	581	228	93	76
20	271	371	649	795	290	10100	397	642	437	247	80	118
21	247	939	568	620	350	5200	350	537	355	1150	70	124
22	235	772	528	660	500	2580	311	497	293	728	68	107
23	200	568	485	622	1500	1890	289	497	259	466	62	107
24	178	522	466	522	6000	1670	315	425	239	306	74	330
25	172	497	541	609	10000	1840	431	541	214	330	116	2060
26	172	454	555	1960	4130	1470	371	548	197	297	137	1840
27	166	365	449	1210	2430	1110	325	478	187	228	124	1300
28	157	335	420	892	1760	864	311	335	175	187	130	691
29	151	320	387	880	---	742	284	289	194	160	97	472
30	148	297	387	1100	---	920	259	259	204	139	210	335
31	200	---	392	1400	---	920	---	376	---	128	330	---
TOTAL	7447	13025	30296	32718	35290	42722	24279	30077	20534	10405	3604	9213
MEAN	240	434	977	1055	1260	1378	809	970	684	336	116	307
MAX	636	1120	6160	3120	10000	10100	4010	4080	3090	1360	330	2060
MIN	145	178	276	284	270	466	259	251	175	101	62	60
CAL YR 1974	TOTAL	227509	MEAN 623	MAX 6160	MIN 49							
WTR YR 1975	TOTAL	259610	MEAN 711	MAX 10100	MIN 60							

01368000 WALLKILL RIVER NEAR UNIONVILLE, N.Y.

LOCATION.--Lat 41°15'36", long 74°32'56", Sussex County, New Jersey, on right bank on downstream side of bridge on the Bassetts Bridge Road, 0.6 mi (1.0 km) upstream from small tributary, 2.0 mi (3.2 km) south of the New York-New Jersey State line, and 3.0 mi (4.8 km) south of Unionville.

DRAINAGE AREA.--140 mi² (363 km²).

PERIOD OF RECORD.--September 1937 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 390 ft (119 m) (from topographic map). Prior to Nov. 16, 1949, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--38 years, 215 ft³/s (6.089 m³/s) (20.86 in/yr or 529.8 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,640 ft³/s (46.4 m³/s) Feb. 26; gage height, 8.60 ft or 2.621 m; minimum, 36 ft³/s (1.02 m³/s) July 12, 13 (gage height, 3.15 ft or 0.960 m).

Period of record: Maximum discharge, 6,880 ft³/s (195 m³/s) Aug. 19, 1955 (gage height, 13.35 ft or 4.069 m); minimum daily, 4.2 ft³/s (0.12 m³/s) Aug. 8-10, 1966.

REMARKS.--Records fair, except those above 600 ft³/s (17 m³/s), which are poor. Water diverted from Morris Lake, upstream from station, by the Newton Water and Sewer Authority for municipal use. After use, the water is released into the Paulins Kill (Delaware River basin); records furnished by the Delaware River Basin Commission (see Sta. 01367630 in Part 1 of New Jersey Report). Water-quality records for the current year are published in Section 2 of this report.

REVISIONS.--WRD N.Y. 1966: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	347	106	94	209	392	851	342	163	190	91	150	106
2	226	103	240	241	340	561	290	197	194	69	129	83
3	173	100	502	196	299	418	475	217	139	59	113	74
4	146	96	507	186	250	337	1040	199	139	54	106	64
5	131	103	370	182	250	308	1270	308	133	47	137	59
6	120	115	273	163	260	290	1080	273	295	44	133	59
7	110	110	226	171	275	280	772	358	394	44	180	59
8	102	100	380	179	240	278	516	363	295	42	180	54
9	93	90	706	328	200	234	407	284	211	40	142	112
10	88	83	865	600	180	211	351	236	167	40	112	96
11	83	78	763	631	160	211	317	211	137	40	98	71
12	78	81	535	595	140	220	288	213	140	38	90	72
13	80	299	415	573	150	269	263	308	232	179	85	151
14	81	378	356	612	205	252	243	349	194	598	86	124
15	80	297	312	500	196	228	228	292	140	1230	85	83
16	171	232	308	400	190	238	228	252	118	1510	75	68
17	390	186	459	300	211	254	215	245	135	1320	90	64
18	324	167	475	270	267	241	197	209	129	1040	88	63
19	226	150	394	400	354	260	201	192	108	631	78	69
20	171	150	321	370	401	694	203	177	163	354	67	106
21	142	199	288	330	370	1030	186	159	148	530	60	106
22	126	201	271	300	354	1110	169	148	103	634	59	100
23	120	163	249	280	431	915	157	137	85	530	61	163
24	117	146	234	330	736	637	177	126	77	347	69	477
25	113	144	271	366	1280	549	252	115	71	390	140	958
26	124	140	344	612	1600	486	292	106	67	479	184	1340
27	122	120	286	662	1430	392	254	103	63	446	137	1420
28	113	118	247	521	1150	328	199	98	71	340	98	1240
29	110	113	224	477	---	310	175	86	135	256	74	926
30	106	100	213	542	---	361	165	95	127	205	100	495
31	108	---	205	473	---	413	---	184	---	171	151	---
TOTAL	4521	4468	11333	11999	12311	13166	10952	6403	4600	11798	3357	8862
MEAN	146	149	366	387	440	425	365	207	153	381	108	295
MAX	390	378	865	662	1600	1110	1270	363	394	1510	184	1420
MIN	78	78	94	163	140	211	157	86	63	38	59	54
CFSM	1.04	1.06	2.61	2.76	3.14	3.04	2.61	1.48	1.09	2.72	.77	2.11
IN.	1.20	1.19	3.01	3.19	3.27	3.50	2.91	1.70	1.22	3.13	.89	2.35
CAL YR 1974	TOTAL	88792	MEAN 243	MAX 865	MIN 20	CFSM 1.74	IN 23.59					
WTR YR 1975	TOTAL	103770	MEAN 284	MAX 1600	MIN 38	CFSM 2.03	IN 27.57					

PEAK DISCHARGE (BASE, 1,200 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
02-26	1215	8.60	1,640	07-16	0815	8.49	1,580
04-05	0715	7.89	1,290	09-27	0115	8.24	1,450

01369000 POCHUCK CREEK NEAR PINE ISLAND, N.Y.

LOCATION.--Lat 41°16'32", long 74°28'18", Orange County, on right bank 75 ft (23 m) downstream from bridge on Newport Bridge Road at Newport, 1.5 mi (2.4 km) south of Pine Island, 3.2 mi (5.1 km) west of Edenville, and 4.1 mi (6.6 km) upstream from mouth.

DRAINAGE AREA.--98.0 mi² (254 km²).

PERIOD OF RECORD.--September 1937 to current year.

GAGE.--Water-stage recorder. Datum of gage is 382.39 ft (116.552 m) above mean sea level (levels by Corps of Engineers). Modified concrete control from July 1944 to April 1960.

AVERAGE DISCHARGE.--38 years, 165 ft³/s (4.673 m³/s) (22.86 in/yr or 580.6 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,060 ft³/s (30.0 m³/s) Sept. 27 (gage height, 5.16 ft or 1.573 m); minimum 18 ft³/s (0.51 m³/s) July 11, 12 (gage height, 1.45 ft or 0.442 m).

Period of record: Maximum discharge, 3,090 ft³/s (87.5 m³/s) Oct. 16, 1955 (gage height, 8.62 ft or 2.627 m); minimum, 1.1 ft³/s (0.031 m³/s) Aug. 30, 1966.

REMARKS.--Records fair except those for the winter periods and discharges above 500 ft³/s (14.2 m³/s), which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	145	55	77	170	348	538	294	115	125	56	102	68
2	117	51	183	160	314	454	269	132	121	46	90	55
3	97	49	294	140	282	388	311	138	101	38	79	47
4	84	50	317	130	251	331	521	134	99	33	71	41
5	73	48	298	130	190	294	570	173	97	28	77	36
6	64	53	263	120	180	269	499	173	157	25	72	35
7	58	52	222	130	180	248	434	219	166	24	119	32
8	54	50	266	130	160	234	377	237	140	22	125	28
9	50	46	399	217	150	211	338	231	119	21	104	87
10	49	44	543	345	140	190	301	211	101	20	87	64
11	47	43	503	422	130	180	272	188	85	19	74	46
12	45	44	438	450	110	178	254	183	90	18	64	48
13	44	173	384	486	100	195	237	234	117	140	56	97
14	42	219	334	512	110	190	217	276	112	320	54	77
15	42	214	294	450	100	183	193	280	99	444	47	61
16	92	206	272	340	98	185	185	270	87	496	44	52
17	175	183	321	300	110	183	180	257	83	469	45	47
18	154	156	377	290	130	175	161	228	76	456	44	41
19	130	140	363	280	214	190	156	201	67	419	40	44
20	107	132	331	350	234	458	149	174	65	368	35	55
21	88	154	301	400	231	968	138	149	59	383	31	56
22	81	161	272	320	231	928	127	136	51	411	30	51
23	72	140	248	280	254	754	117	123	44	403	28	87
24	67	127	225	250	384	616	127	154	39	356	39	247
25	60	123	228	240	759	538	159	110	44	334	179	557
26	66	117	242	300	938	458	175	95	44	327	138	957
27	62	103	237	422	815	373	163	88	40	298	102	1030
28	57	94	219	399	654	338	145	80	42	253	74	918
29	55	87	200	381	---	298	134	71	68	196	56	770
30	54	82	188	392	---	294	125	74	65	125	77	622
31	56	---	175	377	---	307	---	101	---	119	92	---
TOTAL	2387	3196	9014	9313	7797	11146	7328	5235	2603	6667	2275	6356
MEAN	77.0	107	291	300	278	360	244	169	86.8	215	73.4	212
MAX	175	219	543	512	938	968	570	280	166	496	179	1030
MIN	42	43	77	120	98	175	117	71	39	18	28	28
CFSM	.79	1.09	2.97	3.06	2.84	3.67	2.49	1.72	.89	2.19	.75	2.16
IN.	.91	1.21	3.42	3.54	2.96	4.23	2.78	1.99	.99	2.53	.86	2.41

CAL YR	1974	1975	TOTAL	MEAN	MAX	MIN	CFSM	IN
WTR YR	1974	1975	TOTAL	MEAN 182	MAX 1030	MIN 15	1.86	25.27
			TOTAL	MEAN 201	MAX	MIN 18	2.05	27.83

PEAK DISCHARGE (BASE, 840 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
02-26	0615	4.42	960	09-27	0115	5.16	1,060
03-21	1530	4.56	1,030				

01369500 QUAKER CREEK AT FLORIDA, N.Y.

LOCATION.--Lat 41°20'21", long 74°21'45", Orange County, on right bank at downstream side of private bridge, just downstream from Browns Creek, at Florida, and 5.0 mi (8.0 km) southwest of Goshen.

DRAINAGE AREA.--9.74 mi² (25.2 km²).

PERIOD OF RECORD.--September 1937 to current year.

GAGE.--Water-stage recorder. Concrete control since August 1943. Datum of gage is 393.32 ft (119.884 m) above mean sea level (levels by Soil Conservation Service). Prior to Dec. 12, 1949, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--38 years, 12.7 ft³/s (0.360 m³/s) (17.71 in/yr or 449.8 mm/yr).

EXTREMES.--Current year: Maximum discharge, 283 ft³/s (8.01 m³/s) Sept. 25 (gage height, 3.46 ft or 1.055 m), minimum, 0.81 ft³/s (0.023 m³/s) July 7, 9, 10, 11, 12 (gage height, 1.37 ft or 0.418 m).
 Period of record: Maximum discharge, 1,050 ft³/s (29.7 m³/s) Sept. 21, 1938 (gage height, 6.0 ft (1.83 m), from floodmarks), from rating curve extended above 230 ft³/s (6.51 m³/s) on basis of contracted-opening measurement at gage height 5.8 ft (1.77 m); minimum, no flow Aug. 30, 1966, result of temporary pumping from gage pool.

REMARKS.--Records good. Minor amount of diversion upstream during low flow periods for irrigation purposes. Some diversion from Glenmore Lake for village of Florida water supply.

REVISIONS (WATER YEARS).--WSP 951: 1938(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.8	3.5	4.0	16	19	30	17	4.2	7.7	1.3	3.7	2.5
2	4.8	3.0	71	15	17	25	80	6.9	4.0	1.2	5.1	2.3
3	4.0	2.5	36	10	14	21	64	5.4	4.2	1.2	11	2.1
4	3.7	2.8	23	11	11	17	35	6.9	5.1	1.2	52	1.9
5	3.2	4.0	17	9.9	12	16	30	11	5.4	1.0	34	1.7
6	2.8	4.5	15	8.2	15	16	23	8.6	24	.96	18	1.9
7	2.5	3.2	13	10	15	15	21	19	9.5	1.0	31	1.7
8	2.3	2.8	86	10	11	15	18	9.0	6.1	.94	17	2.1
9	2.1	2.5	53	60	9.9	9.9	16	7.3	5.1	1.0	9.0	9.9
10	2.1	2.3	31	34	8.6	9.5	15	6.9	4.0	.96	6.5	3.0
11	1.9	2.3	26	34	8.2	9.9	13	6.1	3.2	.96	5.8	2.3
12	1.9	2.5	23	28	7.3	13	11	9.9	7.7	.88	4.8	3.5
13	1.9	27	20	55	9.0	16	11	31	7.3	83	4.2	4.8
14	1.7	9.5	18	34	8.2	11	11	16	4.2	60	4.0	2.8
15	1.9	10	16	26	7.7	13	11	12	3.5	34	3.2	2.1
16	22	7.3	34	23	8.2	13	11	14	3.2	20	3.7	1.9
17	16	5.8	46	18	11	13	9.0	9.9	3.5	25	4.0	2.1
18	6.9	5.8	26	25	18	10	8.2	8.6	2.8	14	3.7	1.9
19	4.8	5.1	21	38	26	44	8.6	7.7	2.5	11	2.8	3.7
20	4.2	6.9	19	34	25	140	7.3	6.5	2.5	16	2.3	3.5
21	3.7	17	18	22	26	59	5.8	5.8	1.6	118	2.1	3.7
22	3.5	9.0	17	22	26	40	5.1	5.1	1.6	33	2.1	3.0
23	3.5	6.9	15	20	54	33	5.1	4.5	1.2	18	1.7	16
24	3.2	7.3	15	19	154	35	16	4.0	1.4	14	9.0	140
25	3.7	7.3	30	48	136	36	13	3.5	1.3	30	6.1	221
26	4.5	6.1	20	48	65	26	9.5	3.0	1.2	15	3.7	119
27	3.5	5.1	16	30	44	20	5.4	2.8	1.2	11	3.2	73
28	3.0	5.1	15	24	34	18	5.4	2.3	2.8	8.6	2.3	45
29	2.8	5.1	13	41	---	33	4.2	1.9	3.0	6.5	2.1	33
30	2.8	4.2	13	29	---	27	4.0	4.8	1.7	5.1	5.4	27
31	4.0	---	11	22	---	20	---	5.4	---	4.5	3.5	---
TOTAL	134.7	186.4	781.0	824.1	800.1	804.3	493.6	250.0	132.5	539.32	267.0	738.4
MEAN	4.35	6.21	25.2	26.6	28.6	25.9	16.5	8.06	4.42	17.4	8.61	24.6
MAX	22	27	86	60	154	140	80	31	24	118	52	221
MIN	1.7	2.3	4.0	8.2	7.3	9.5	4.0	1.9	1.2	.88	1.7	1.7
CFSM	.45	.64	2.59	2.73	2.94	2.66	1.69	.83	.45	1.79	.88	2.53
IN.	.51	.71	2.98	3.15	3.06	3.07	1.89	.95	.51	2.06	1.02	2.82
CAL YR 1974	TOTAL	5146.66	MEAN 14.1	MAX 122	MIN .56	CFSM 1.45	IN 19.66					
WTR YR 1975	TOTAL	5951.42	MEAN 16.3	MAX 221	MIN .88	CFSM 1.67	IN 22.73					

PEAK DISCHARGE (BASE, 200 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
02-24	2145	3.25	235	04-02	1630	3.19	221
03-19	2230	3.30	246	09-25	1300	3.46	283

HUDSON RIVER BASIN

117

01371500 WALLKILL RIVER AT GARDINER, N.Y.

LOCATION.--Lat 41°41'10", long 74°09'56", Ulster County, on left bank 400 ft (122 m) upstream from bridge on US Highway 44, 500 ft (152 m) downstream from Shawangunk Kill, and 0.7 mi (1.1 km) northwest of Gardiner.

DRAINAGE AREA.--711 mi² (1,841 km²).

PERIOD OF RECORD.--September 1924 to current year.

GAGE.--Water-stage recorder. Datum of gage is 185.70 ft (56.601 m) above mean sea level.

AVERAGE DISCHARGE.--51 years, 1,044 ft³/s (29.57 m³/s) (19.94 in/yr or 506.5 mm/yr).

EXTREMES.--Current year: Maximum discharge, 13,400 ft³/s (379 m³/s) Feb. 25 (gage height 11.60 ft or 3.536 m); minimum, 166 ft³/s (4.70 m³/s), July 9 (gage height, 2.45 ft or 0.747 m).

Period of record: Maximum discharge, 30,800 ft³/s (872 m³/s) Oct. 16, 1955 (gage height, 19.81 ft or 6.038 m); minimum, 9.5 ft³/s (0.27 m³/s) Sept. 28, 1964; minimum gage height, 1.59 ft (0.48 m) Aug. 14, 15, 16, 19, 1966.

REMARKS.--Records fair except those for winter periods, which are poor.

REVISIONS.--WSP 756: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1210	454	340	873	1900	3560	1620	564	625	365	524	486
2	858	454	480	1030	1500	2780	1350	637	669	295	470	380
3	625	409	2080	911	1100	2100	4390	749	570	246	424	317
4	502	365	1890	780	880	1500	6470	843	530	219	465	278
5	439	340	1500	700	840	1300	4480	1500	553	198	729	246
6	395	317	1100	660	820	1200	3510	1300	1670	185	588	234
7	360	308	920	620	900	1100	2940	2130	2130	188	777	223
8	331	415	2030	680	880	1100	2350	1700	1360	182	850	216
9	304	370	4300	2490	740	1000	1800	1310	950	192	689	269
10	286	345	3150	4170	620	820	1490	1060	729	480	541	390
11	269	322	2590	3450	580	821	1290	926	582	295	449	336
12	257	308	2160	3800	560	903	1170	1320	850	238	395	286
13	249	842	1780	3970	720	1370	1060	3230	2160	1410	355	313
14	242	1420	1530	3790	820	1220	958	2510	1360	4880	380	409
15	242	1190	1320	2600	840	1060	888	1660	1540	6680	350	360
16	326	982	1220	1800	800	1130	843	1490	974	4610	340	295
17	1090	785	2300	1400	780	1170	813	1350	749	3320	360	257
18	1230	669	2300	1200	900	1090	756	1090	682	2760	365	242
19	880	594	1820	1300	1200	1060	722	926	570	2160	336	253
20	650	588	1490	1600	1800	6420	715	813	480	1650	291	345
21	507	1040	1300	1500	1900	5790	669	715	465	2380	257	390
22	424	1040	1190	1300	2000	4510	606	631	429	2180	238	360
23	375	806	1080	1100	2300	3720	570	612	360	1650	223	385
24	360	656	990	1000	8200	3100	625	564	313	1400	249	1660
25	340	612	1280	1600	11900	3100	911	535	282	3870	414	5960
26	360	540	1730	3500	7580	2510	942	465	269	1880	588	6320
27	380	500	1380	2800	5630	1900	895	434	257	1410	564	5180
28	380	460	1170	2300	4540	1530	749	404	257	1170	459	4110
29	355	465	1030	2500	---	1390	644	375	299	919	355	3250
30	340	400	942	3100	---	1680	588	360	409	729	390	2550
31	365	---	911	2500	---	2050	---	491	---	606	530	---
TOTAL MEAN	14931	17996	49303	61024	63230	63984	46814	32694	23073	48747	13945	36300
MAX	482	600	1590	1969	2258	2064	1560	1055	769	1572	450	1210
MIN	1230	1420	4300	4170	11900	6420	6470	3230	2160	6680	850	6320
CFSM	242	308	340	620	560	820	570	360	257	182	223	216
IN.	.68	.84	2.24	2.77	3.18	2.90	2.19	1.48	1.08	2.21	.63	1.70
	.78	.94	2.58	3.19	3.31	3.35	2.45	1.71	1.21	2.55	.73	1.90

CAL YR 1974	TOTAL	405475	MEAN	1111	MAX	5480	MIN	93	CFSM	1.56	IN	21.21
WTR YR 1975	TOTAL	472041	MEAN	1293	MAX	11900	MIN	182	CFSM	1.82	IN	24.70

PEAK DISCHARGE (BASE, 6,400 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
02-25	0130	11.60	13,400	07-14	2300	9.57	8,660
03-20	1200	9.21	8,000	09-25	1500	8.48	6,750
04-03	2230	9.62	8,760				

HUDSON RIVER BASIN

01372035 HUDSON RIVER AT STAATSBURG, N.Y.

LOCATION.--Lat 41°50'06", long 73°56'34", Dutchess County, on east side of main pier at Norrie Yacht Basin, in Norrie State Park, at mouth of Indian Kill, 1.1 mi (1.8 km) southwest of Staatsburg, and 3.5 mi (5.6 km) north of Hyde Park.

DRAINAGE AREA.--11,629 mi² (30,119 km²).

PERIOD OF RECORD.--July 1972 to current year.

GAGE.--Water-stage recorder. Datum of gage is 10.00 ft (3.048 m) below mean sea level. Gage height record converted to elevation above or below (-) mean sea level for publication.

Summaries of tide elevations during year are as follows:

TIDE ELEVATIONS, IN FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
Maximum	Elevation	3.78	4.19	5.51(a)	3.97	3.46(a)	4.28	4.00	3.70(a)	3.12(a)	3.93	3.74	4.07
high tide	Date	17	13	2(a)	11,26	6(a)	20	17	5(a)	26(a)	10	31	25
Minimum	Elevation	-1.75	-2.56	-2.37(a)	-2.49	-2.98(a)	-2.64	-2.93	-1.11(a)	-1.29(a)	-1.21	-1.37	-1.55
low tide	Date	27	26	4(a)	27	9(a)	9	4	24(a)	25(a)	18	22	3
Mean high tide		2.42	2.58	2.59(a)	2.46		2.62	2.51			2.89	2.85	2.88
Mean water level		.70	.87	.91(a)	.75		.89	.76			1.21	1.12	1.17
Mean low tide		-1.08	-.89	-.88(a)	-1.05		-.85	-1.00			-.55	-.67	-.59

NOTE.--No elevations recorded December 15-18, February 9-27, May 16-22, May 26 to June 24.
a - recorded.

HUDSON RIVER BASIN

119

01372046 HUDSON RIVER AT HIGHLAND, N.Y.

LOCATION.--Lat 41°42'56", long 73°56'55", Ulster County, on right bank at Highland, 300 ft (91 m) downstream from unnamed tributary, and 0.8 mi (1.3 km) upstream from Mid-Hudson Bridge on U.S. Highway 44.

DRAINAGE AREA.--

PERIOD OF RECORD.--July 1974 to current year.

GAGE.--Water-stage recorder. Datum of gage is 10.00 ft (3.048 m) below mean sea level (levels by Corps of Engineers). Gage-height record converted to elevation above or below (-) mean sea level for publication.

Summaries of tide elevations during period are as follows:

TIDE ELEVATIONS, IN FEET, PERIOD JULY 1974 TO SEPTEMBER 1974

		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
Maximum	Elevation										3.56	3.60	3.47
high tide	Date										04	18	16
Minimum	Elevation										-1.40	-1.16	-1.58
low tide	Date										20	09	28
Mean high tide											2.66	2.55	2.53
Mean water level											1.00	1.01	0.99
Mean low tide											-0.53	-0.63	-0.63

TIDE ELEVATIONS, IN FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
Maximum	Elevation					5.13(a)	3.73(a)	3.61(a)	3.89	3.96	3.63	3.49	3.82
high tide	Date					25(a)	30(a)	26(a)	26	05	08	31	25
Minimum	Elevation						-2.62(a)	-2.06(a)	-1.17	-1.22	-1.10	-1.27	-1.46
low tide	Date						27(a)	13(a)	01	20	31	23	03
Mean high tide								2.24(a)	2.69	2.71	2.59	2.55	2.61
Mean water level								0.60(a)	1.12	1.16	1.13	1.02	1.08
Mean low tide								-1.12(a)	-0.53	-0.47	-0.45	-0.61	-0.51

a - recorded.

NOTE.--No elevations recorded Oct. 1 to Mar. 24, Apr. 4-9.

01372065 CASPER CREEK NEAR WAPPINGERS FALLS, N.Y.

LOCATION.--Lat 41°37'53", long 73°55'40", Dutchess County, on left bank 40 ft (12 m) downstream from bridge on Camelot Road, 1.6 mi (2.6 km) upstream from mouth, and 2.4 mi (3.9 km) north of Wappingers Falls.

DRAINAGE AREA.--10.1 mi² (26.2 km²).

PERIOD OF RECORD.--Occasional discharge measurements, water years 1960-62. Jan. 1969 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 40 ft (12 m) (from topographic map).

AVERAGE DISCHARGE.--6 years, 18.2 ft³/s (0.515 m³/s) (24.47 in/yr or 621.5 mm/yr).

EXTREMES.--Current year: Maximum discharge, 564 ft³/s (16.0 m³/s) July 14 (gage height, 5.30 ft or 1.615 m); from rating curve extended above 190 ft³/s (5.38 m³/s); minimum daily, 3.8 ft³/s (0.108 m³/s) Sept. 4.
Period of record: Maximum discharge, 946 ft³/s (26.8 m³/s) Aug. 28, 1971 (gage height, 5.79 ft or 1.765 m), from rating curve extended above 410 ft³/s (11.6 m³/s); minimum, 0.9 ft³/s (0.025 m³/s) Sept. 27, 1969 (gage height, 1.80 ft or 0.549 m).

REMARKS.--Records poor. Occasional regulation by lakes and irrigation pumping above station.

REVISIONS (WATER YEARS).--WRD N.Y. 1971: 1970(M,P). WRD N.Y. 1972: 1971(P).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	9.6	6.8	9.4	18	32	22	9.6	10	6.2	11	17
2	11	8.2	23	8.6	16	29	20	11	8.3	5.6	10	7.8
3	9.6	6.8	21	8.0	14	27	46	10	7.6	5.6	10	4.9
4	9.0	6.8	15	7.6	13	24	55	13	8.3	5.6	12	3.8
5	8.4	10	12	7.0	13	23	34	14	8.0	5.0	11	4.7
6	7.8	14	10	6.6	15	22	28	12	25	5.0	9.2	5.5
7	7.0	9.6	9.1	7.2	13	22	25	23	13	5.3	19	4.9
8	6.6	8.2	18	6.8	11	24	22	13	10	5.6	12	4.5
9	6.4	7.3	21	8.4	11	21	21	11	8.7	14	11	6.6
10	6.0	6.8	15	15	11	19	19	11	7.2	23	9.2	4.9
11	5.8	6.4	12	27	10	19	18	10	6.5	7.6	8.1	4.5
12	5.6	6.4	11	35	10	22	16	13	20	6.2	7.5	7.8
13	5.6	24	11	40	11	28	16	35	33	135	7.5	9.2
14	5.6	12	10	35	13	23	15	36	17	309	6.8	5.8
15	7.2	13	9.6	28	11	23	14	26	11	215	6.3	5.8
16	10	10	16	25	9.6	23	18	25	9.6	88	7.5	5.3
17	16	8.7	39	22	9.6	21	12	18	8.7	40	7.5	5.3
18	12	8.7	31	19	11	20	11	15	8.0	27	6.6	5.1
19	10	7.7	25	26	22	24	11	13	7.2	21	5.8	7.1
20	8.0	9.1	21	25	21	70	11	11	6.9	27	5.5	7.8
21	5.8	24	18	22	19	51	11	14	6.2	138	5.3	6.6
22	4.9	15	16	20	17	35	11	10	5.9	76	5.8	5.8
23	5.6	12	14	18	25	31	10	9.2	5.9	39	6.3	18
24	5.2	11	12	16	81	31	17	8.7	5.6	29	12	69
25	4.9	9.6	13	22	122	34	18	8.3	5.6	69	8.8	136
26	6.4	10	11	44	65	29	13	8.0	5.6	42	10	101
27	5.6	8.2	11	35	42	25	11	7.6	5.9	27	11	115
28	5.6	8.2	11	28	35	23	11	7.2	6.5	22	6.0	51
29	5.6	7.7	10	27	---	22	10	6.5	10	18	4.9	33
30	6.0	7.3	10	24	---	29	10	8.3	7.6	15	11	25
31	14	---	9.0	22	---	25	---	13	---	13	9.6	---
TOTAL	240.2	306.3	471.5	644.6	669.2	851	556	430.4	298.8	1444.7	274.2	688.7
MEAN	7.75	10.2	15.2	20.8	23.9	27.5	18.5	13.9	9.96	46.6	8.85	22.9
MAX	16	24	39	44	122	70	55	36	33	309	19	136
MIN	4.9	6.4	6.8	6.6	9.6	19	10	6.5	5.6	5.0	4.9	3.8
CFSM	.77	1.01	1.50	2.06	2.37	2.72	1.83	1.38	.99	4.61	.88	2.27
IN.	.88	1.13	1.74	2.37	2.46	3.13	2.05	1.50	1.10	5.32	1.01	2.53
CAL YR 1974	TOTAL	5566.3	MEAN	15.3	MAX	84	MIN	3.0	CFSM	1.51	IN	20.50
WTR YR 1975	TOTAL	6875.1	MEAN	18.8	MAX	309	MIN	3.8	CFSM	1.86	IN	25.32

PEAK DISCHARGE (BASE, 120 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
02-24	2115	3.98	151	07-21	1130	4.19	191
07-14	2000	5.30	564	09-27	0300	4.05	164

NOTE.--No gage-height record Dec. 17 to Feb. 12.

01372200 WAPPINGER CREEK NEAR CLINTON CORNERS, N.Y.

LOCATION.--Lat 41°48'53", long 73°45'48", Dutchess County, on left bank 15 ft (5 m) downstream from bridge on County Highway 13, 850 ft (259 m) downstream from abandoned railroad bridge abutment, 1,900 ft (579 m) downstream from East Branch Wappinger Creek, and 1 mi (2 km) south of Clinton Corners.

DRAINAGE AREA.--92.4 mi² (239 km²).

PERIOD OF RECORD.--January 1956 to current year. Monthly discharge only for some periods, published in WSP 1722.

GAGE.--Water-stage recorder. Datum of gage is 234.10 ft (71.354 m) above mean sea level. Prior to Sept. 9, 1957, nonrecording gage and crest-stage gage at upstream side of bridge, at same datum. Sept. 9, 1957 to Oct. 24, 1968 water stage recorder at site 15 ft (5 m) upstream on bridge abutment on right bank at same datum.

AVERAGE DISCHARGE.--19 years, 124 ft³/s (3.512 m³/s) (18.22 in/yr or 462.8 mm/yr).

EXTREMES.--Current year: Maximum discharge, 3,250 ft³/s (92.0 m³/s) July 21 (gage height, 12.37 ft or 3.770 m); minimum, 26 ft³/s (0.74 m³/s) July 8-9 (gage height, 4.68 ft or 1.426 m).
 Period of record: Maximum discharge, 8,510 ft³/s (241 m³/s) June 30, 1973 (gage height, 16.13 ft or 4.916 m); minimum, 2.0 ft³/s (0.057 m³/s) Aug. 2, 1965; minimum daily, 2.2 ft³/s (0.062 m³/s) Sept. 17, 1964, July 31, Aug. 1, 1965.

REMARKS.--Records fair.

REVISIONS.--WSP 1902: Drainage area. Corrected figures of runoff, in cubic feet per second per square mile, and in inches, for WY 1974, superseding figures published in WRD NY 1974, are given herewith:

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	CAL YR 1973	WTR YR 1974
CFSM	.27	.28	3.79	2.78	2.33	2.62	3.35	1.48	.64	.51	.35	.94	2.27	1.61
IN.	.31	.32	4.36	3.20	2.42	3.01	3.74	1.71	.71	.59	.40	1.05	30.86	21.90

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	115	89	104	104	230	351	222	77	96	52	185	73
2	96	73	201	100	206	302	201	102	92	45	167	62
3	83	66	240	87	183	268	510	98	77	42	151	55
4	77	69	188	85	154	232	700	102	115	39	162	46
5	71	83	151	83	157	206	500	122	87	36	149	40
6												
7	68	125	137	73	159	201	370	100	162	33	129	42
8	66	102	129	81	157	191	300	137	222	31	203	42
9	60	89	219	75	142	206	250	113	157	30	193	39
10	58	83	289	235	130	159	220	98	125	34	183	40
	57	79	216	260	120	144	200	109	102	53	139	37
11												
12	53	75	188	319	110	147	180	100	87	39	122	36
13	52	75	175	393	100	151	160	149	159	34	115	45
14	52	144	167	477	120	185	140	489	360	456	102	52
15	50	132	162	402	110	159	130	375	245	1200	94	42
	50	134	151	313	109	147	120	284	185	1470	85	37
16												
17	100	125	172	276	106	144	110	276	154	672	87	34
18	144	113	330	240	109	147	100	230	137	456	92	34
19	96	106	242	237	113	137	94	193	120	342	83	31
20	75	102	198	357	125	142	92	175	106	281	75	34
	66	106	177	316	139	609	90	154	96	417	68	40
21												
22	60	273	164	220	142	636	86	147	83	2410	62	37
23	57	250	157	210	144	456	84	134	79	1220	60	34
24	55	196	142	200	216	411	90	120	69	770	55	50
25	53	180	137	196	715	363	120	106	66	564	62	191
	53	167	149	284	1030	378	130	106	62	791	66	597
26												
27	60	154	134	543	645	316	106	100	57	543	60	537
28	55	132	115	372	483	260	94	94	53	405	58	767
29	52	125	113	311	396	237	87	85	55	327	52	483
30	50	122	106	327	---	235	83	77	69	273	46	345
31	48	113	104	324	---	281	79	81	64	235	134	276
	102	---	100	260	---	255	---	102	---	206	100	---
TOTAL MEAN	2134	3682	5257	7760	6550	8056	5648	4635	3541	13506	3339	4178
MAX	68.8	123	170	250	234	260	188	150	118	436	108	139
MIN	144	273	330	543	1030	636	700	489	360	2410	203	767
CFSM	48	66	100	73	100	137	79	77	53	30	46	31
IN.	.74	1.33	1.84	2.71	2.53	2.81	2.03	1.62	1.28	4.72	1.17	1.50
	.86	1.48	2.12	3.12	2.64	3.24	2.27	1.87	1.43	5.44	1.34	1.68
CAL YR 1974	TOTAL	52967	MEAN 145	MAX 697	MIN 15	CFSM 1.57	IN 21.32					
WTR YR 1975	TOTAL	68286	MEAN 187	MAX 2410	MIN 30	CFSM 2.02	IN 27.49					

PEAK DISCHARGE (BASE, 900 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
02-25							
07-14	0215	8.71	1,220	07-25	1000	7.96	956
07-21	2045	11.66	2,710	09-27	0745	7.93	946
	1015	12.37	3,250				

01372300 LITTLE WAPPINGER CREEK AT SALT POINT, N.Y.

LOCATION.--Lat 41°48'20", long 73°47'38", Dutchess County, on right bank 200 ft (61 m) downstream from abandoned railroad bridge abutment at Salt Point, and 0.6 mi (1.0 km) upstream from Wappinger Creek.

DRAINAGE AREA.--32.9 mi² (85.2 km²).

PERIOD OF RECORD.--January 1956 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 235 ft (72 m) (from topographic map). Prior to June 19, 1958 nonrecording gage and crest-stage gage at site 400 ft (122 m) upstream at datum 1.73 ft (0.527 m) higher.

AVERAGE DISCHARGE.--19 years, 44.4 ft³/s (1.257 m³/s) (18.33 in/yr or 465.6 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,590 ft³/s (45.0 m³/s) July 21 (gage height, 7.65 ft or 2.332 m); minimum, 4.2 ft³/s (0.119 m³/s) Sept. 16, 17, 18, 19; minimum gage height, 2.47 ft (0.753 m) July 8-9.
 Period of record: Maximum discharge, 1,590 ft³/s (45.0 m³/s) July 21, 1975 (gage height, 7.65 ft or 2.332 m); minimum, 0.04 ft³/s (0.001 m³/s) Sept. 13, 14, 16, 1964.

REMARKS.--Records fair. Occasional regulation by small ponds above station.

REVISIONS.--WSP 1902: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	21	39	37	85	138	76	24	32	13	44	19
2	43	20	60	36	75	118	69	33	31	11	40	14
3	38	18	82	31	65	99	233	35	31	11	37	11
4	34	19	69	30	55	84	508	34	59	9.5	35	8.1
5	31	23	54	29	57	74	317	47	44	8.6	34	6.4
6	28	36	47	25	57	70	215	39	69	7.7	30	5.7
7	26	34	44	28	56	67	165	54	112	7.2	60	6.1
8	24	29	63	26	48	71	135	48	81	6.8	61	5.4
9	23	27	92	65	45	56	102	42	57	7.2	56	5.7
10	22	26	75	110	44	49	98	50	45	14	40	6.1
11	21	24	62	133	40	49	86	44	38	12	32	5.4
12	19	24	59	172	37	51	77	84	57	9.5	30	5.7
13	19	46	56	198	39	62	69	420	136	108	25	6.1
14	19	52	54	181	37	55	63	332	94	370	22	5.4
15	21	53	51	141	34	48	59	211	79	610	19	4.8
16	36	54	52	122	33	49	54	180	65	327	19	4.6
17	55	47	98	101	33	52	49	148	57	176	24	4.6
18	44	44	98	86	37	47	45	115	49	128	22	4.6
19	33	42	80	121	40	47	44	96	43	100	18	4.8
20	28	44	70	113	47	137	43	77	38	168	16	7.7
21	24	116	65	98	48	219	39	75	33	1260	13	7.7
22	23	125	62	82	49	176	35	65	26	694	12	7.7
23	21	98	56	71	67	149	33	56	23	386	11	7.2
24	19	81	53	67	221	133	37	48	20	235	11	39
25	19	74	55	95	445	134	44	43	18	240	14	166
26	24	67	51	192	315	119	37	39	16	171	13	211
27	22	56	43	157	211	96	31	36	14	128	13	225
28	21	52	42	122	162	84	28	32	15	102	12	163
29	18	48	39	121	---	81	26	27	19	79	11	118
30	17	44	38	124	---	93	24	29	16	61	31	90
31	22	---	36	102	---	91	---	37	---	52	35	---
TOTAL	846	1444	1845	3016	2482	2798	2841	2600	1417	5512.5	840	1175.8
MEAN	27.3	48.1	59.5	97.3	88.6	90.3	94.7	83.9	47.2	178	27.1	39.2
MAX	55	125	98	198	445	219	508	420	136	1260	61	225
MIN	17	18	36	25	33	47	24	24	14	6.8	11	4.6
CFSM	.83	1.46	1.81	2.96	2.69	2.74	2.88	2.55	1.43	5.41	.82	1.19
IN.	.96	1.63	2.09	3.41	2.81	3.16	3.21	2.94	1.60	6.23	.95	1.33
CAL YR 1974	TOTAL	19947.1	MEAN	54.6	MAX	269	MIN	2.8	CFSM	1.66	IN	22.55
WTR YR 1975	TOTAL	26817.3	MEAN	73.5	MAX	1260	MIN	4.6	CFSM	2.23	IN	30.32

PEAK DISCHARGE (BASE, 260 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
02-25	0700	5.17	481	07-15	0045	6.20	840
04-04	0045	5.47	574	07-21	1100	7.65	1,590
05-13	1700	5.14	472				

NOTE.--Doubtful gage-height record July 17-21.

01372500 WAPPINGER CREEK NEAR WAPPINGERS FALLS, N.Y.

LOCATION.--Lat 41°39'11", long 73°52'23", Dutchess County, on left bank 700 ft (213 m) downstream from Red Oak Mill dam and 4.5 mi (7.2 km) northeast of village of Wappingers Falls.

DRAINAGE AREA.--181 mi² (469 km²).

PERIOD OF RECORD.--May 1903 to June 1905 (gage heights only during some winter months), August 1928 to current year.

GAGE.--Water-stage recorder. Datum of gage is 114.37 ft (34.860 m) above mean sea level (levels by Corps of Engineers). May 1903 to June 1905 staff gage at site 2.5 mi (4.0 km) downstream at different datum. Aug. 7, 1928 to Sept. 25, 1931, water-stage recorder at site 2 mi (3 km) downstream at different datum.

AVERAGE DISCHARGE.--47 years (1928-75), 248 ft³/s (7.023 m³/s) (18.61 in/yr or 472.7 mm/yr).

EXTREMES.--Current year: Maximum discharge, 5,560 ft³/s (157 m³/s) July 21 (gage height, 10.33 ft or 3.149 m); minimum, 47 ft³/s (1.33 m³/s) July 8 (gage height, 2.83 ft or 0.863 m).

Period of record: Maximum discharge, 18,600 ft³/s (527 m³/s) Aug. 19, 1955 (gage height, 19.60 ft or 5.974 m, from floodmarks in gage shelter), from rating curve extended above 3,800 ft³/s (108 m³/s) on basis of flow-over-dam and contracted-opening measurement at gage height 18.02 ft (5.492 m) and contracted-opening and flow-over-road measurement at gage height 19.60 ft (5.974 m); minimum, 0.90 ft³/s (0.025 m³/s) Sept. 20, 21, 1964 (gage height, 2.05 ft or 0.625 m).

REMARKS.--Records good. Water-quality records for the current year are published in Section 2 of this report.

REVISIONS (WATER YEARS).--WSP 741: 1932. WSP 1902: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	246	170	202	230	452	741	429	151	188	93	316	149
2	199	143	281	233	403	631	391	181	185	80	288	116
3	170	126	497	210	354	541	582	204	157	74	258	104
4	150	120	399	199	305	456	1520	192	202	69	268	93
5	136	138	316	196	305	408	1110	250	185	63	268	82
6												
7	126	213	278	177	305	387	847	220	271	58	224	80
8	118	199	255	188	302	366	683	269	382	53	327	80
9	111	175	331	180	271	387	576	259	323	52	339	74
10	104	160	594	342	268	323	502	218	246	56	350	75
	100	148	447	594	220	288	447	226	202	81	265	72
11												
12	96	138	378	594	200	278	408	215	172	75	222	67
13	93	136	342	780	180	284	374	253	219	63	202	74
14	90	224	327	893	160	350	342	960	588	513	185	90
15	86	274	309	880	150	320	320	1090	507	2070	167	80
	86	252	295	657	170	284	302	772	370	3840	150	70
16												
17	124	255	298	570	190	288	288	668	298	1860	148	64
18	258	224	582	481	200	288	268	572	268	1110	162	63
19	207	207	547	399	216	271	252	450	233	780	152	60
20	167	199	443	638	239	268	246	389	204	594	134	63
	143	196	391	638	274	813	243	336	180	625	120	72
21												
22	128	425	362	400	284	1310	219	304	157	3720	109	74
23	118	553	342	350	291	963	202	291	141	3270	104	67
24	111	412	312	310	382	840	192	255	124	1760	96	79
25	107	354	298	360	1100	716	212	230	116	1170	100	230
	104	327	316	429	2200	767	269	207	109	1460	110	1070
26												
27	113	305	312	1030	1590	644	232	196	100	1130	107	1250
28	111	265	268	813	1090	524	198	185	93	800	104	1610
29	105	243	255	638	866	465	181	170	91	625	93	1130
30	98	233	246	625	---	443	167	152	109	502	83	760
31	96	222	236	676	---	497	159	148	120	412	184	576
	145	---	233	535	---	507	---	199	---	358	220	---
TOTAL												
MEAN	4046	7036	10692	15245	12967	15648	12161	10212	6540	27416	5855	8474
MAX	131	235	345	492	463	505	405	329	218	884	189	282
MIN	258	553	594	1030	2200	1310	1520	1090	588	3840	350	1610
CFSM	86	120	202	177	150	268	159	148	91	52	83	60
IN.	.72	1.30	1.91	2.72	2.56	2.79	2.24	1.82	1.20	4.88	1.04	1.56
	.83	1.45	2.20	3.13	2.67	3.22	2.50	2.10	1.34	5.63	1.20	1.74
CAL YR 1974	TOTAL	105653	MEAN 289	MAX 1490	MIN 24	CFSM 1.60	IN 21.71					
WTR YR 1975	TOTAL	136292	MEAN 373	MAX 3840	MIN 52	CFSM 2.06	IN 28.01					

PEAK DISCHARGE (BASE, 1,500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
02-25							
04-04	0800	7.01	2,340	07-21	1930	10.33	5,560
07-15	0645	6.14	1,680	07-25	1530	6.16	1,700
	0545	9.56	4,720	09-27	1500	6.27	1,780

HUDSON RIVER BASIN

01372800 FISHKILL CREEK AT HOPEWELL JUNCTION, N.Y.

LOCATION.--Lat 41°34'22", long 73°48'25", Dutchess County, on right bank 400 ft (122 m) upstream from bridge on State Highway 376, 500 ft (152 m) upstream from small tributary, 0.6 mi (1.0 km) south of State Highway 82, at Hopewell Junction.

DRAINAGE AREA.--57.3 mi² (148 km²).

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1956-57. October 1957 to current year (prior to March 1963, no winter records).

GAGE.--Water-stage recorder. Datum of gage is 229.53 ft (69.961 m) above mean sea level. Prior to October 1963 water-stage recorder at site 400 ft (122 m) downstream at datum 0.17 ft (0.052 m) lower.

AVERAGE DISCHARGE.--12 years (1964-75), 86.9 ft³/s (2.461 m³/s) (20.60 in/yr or 523.2 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,140 ft³/s (32.3 m³/s) Sept. 27 (gage height, 7.40 ft or 2.256 m); minimum, 13 ft³/s (0.37 m³/s) July 4; (gage height, 1.12 ft or 0.341 m).

Period of record: Maximum discharge, 2,770 ft³/s (78.4 m³/s) Dec. 21, 1973 (gage height, 9.19 ft or 2.801 m), from rating curve extended above 1,100 ft³/s (31.2 m³/s); minimum, 0.92 ft³/s (0.026 m³/s) Sept. 2, 3, 1966 (gage height, 0.75 ft or 0.229 m).

REMARKS.--Records fair except those for winter periods, which are poor. Occasional regulation during low flow from unknown source. Water-quality records for the current year are published in Section 2 of this report.

REVISIONS.--WSP 1902: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51	49	39	71	163	223	177	66	59	22	56	36
2	35	37	98	75	148	206	163	76	52	21	47	31
3	29	33	165	64	133	187	211	78	44	20	43	30
4	27	33	118	59	117	168	350	76	48	18	48	26
5	26	36	88	57	116	156	248	97	43	17	52	25
6	25	58	74	50	120	149	211	78	97	17	45	25
7	25	48	66	52	121	144	192	104	81	19	96	26
8	24	39	124	55	109	154	179	92	56	18	91	25
9	22	35	310	152	100	133	167	81	46	18	69	38
10	22	33	213	255	90	118	156	69	39	38	54	30
11	21	32	166	211	84	117	147	68	35	25	47	25
12	21	32	141	238	80	120	138	70	56	21	46	25
13	21	71	128	264	76	147	128	163	179	79	44	40
14	21	83	114	277	72	134	121	166	106	170	40	30
15	22	67	104	216	68	126	117	132	68	241	35	25
16	43	59	112	195	64	131	112	128	57	109	37	23
17	114	49	257	180	66	128	101	131	54	82	46	23
18	71	44	202	168	74	117	94	107	48	63	41	22
19	48	41	155	281	88	116	93	100	41	52	36	22
20	44	42	133	264	96	422	91	90	38	52	32	21
21	42	91	122	258	100	498	83	83	34	177	29	21
22	36	102	114	189	120	338	76	96	31	162	29	19
23	33	71	100	166	180	288	72	72	30	94	27	28
24	32	62	94	154	320	254	89	67	29	78	29	116
25	31	60	112	176	480	278	131	61	27	133	37	620
26	35	60	131	292	380	243	107	57	26	174	32	666
27	34	49	96	221	290	207	87	56	25	100	32	929
28	31	47	87	183	247	187	79	52	25	83	28	742
29	30	46	78	191	---	180	72	48	27	72	26	442
30	29	43	74	224	---	205	68	48	26	61	44	328
31	36	---	71	186	---	210	---	69	---	56	55	---
TOTAL	1081	1552	3886	5424	4102	6084	4060	2681	1529	2292	1373	4459
MEAN	34.9	51.7	125	175	147	196	135	86.5	51.0	73.9	44.3	149
MAX	114	102	310	292	480	498	350	166	179	241	96	929
MIN	21	32	39	50	64	116	68	48	25	17	26	19
CFSM	.61	.90	2.18	3.05	2.57	3.42	2.36	1.51	.89	1.29	.77	2.60
IN.	.70	1.01	2.52	3.52	2.66	3.95	2.64	1.74	.99	1.49	.89	2.89
CAL YR 1974	TOTAL	32846.0	MEAN	90.0	MAX	415	MIN	6.7	CFSM	1.57	IN	21.32
WTR YR 1975	TOTAL	38523.0	MEAN	106	MAX	929	MIN	17	CFSM	1.85	IN	25.01

PEAK DISCHARGE (BASE, 400 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
02-25	Unknown	Unknown	About 550	04-04	0045	5.39	408
03-21	0245	5.97	551	09-27	1615	7.40	1,140

01375000 CROTON RIVER AT NEW CROTON DAM, NEAR CROTON-ON-HUDSON, N.Y.

LOCATION.--Lat 41°13'32", long 73°51'32", Westchester County, on left bank 1,000 ft (305 m) downstream from New Croton Dam and 1.8 mi (2.9 km) northeast of Croton-On-Hudson.

DRAINAGE AREA.--378 mi² (979 km²).

PERIOD OF RECORD.--August 1933 to current year. Prior to Oct. 1, 1941 published as "at Quaker Bridge," low-flow records at this site are not equivalent due to well pumpage upstream. Fragmentary records published during August 1933 to September 1941 at "Cornell Dam near Croton" and "at New Croton Dam near Croton" are equivalent. Oct. 1, 1941 to Sept. 30, 1955 published as "at New Croton Dam near Croton".

GAGE.--Water-stage recorder and concrete control. Altitude of gage is 50 ft (15 m) (from topographic map). Prior to Oct. 1, 1941 supplementary water-stage recorder and concrete control at site 1.1 mi (1.8 km) downstream at Quaker Bridge.

EXTREMES.--Current year: Maximum discharge, 17,600 ft³/s (498 m³/s) Sept. 27 (gage height, 11.94 ft or 3.639 m); minimum, 0.65 ft³/s (0.018 m³/s) Oct. 8 (gage height, 0.28 ft or 0.085 m); minimum daily, 0.68 ft³/s (0.019 m³/s) Oct. 6.
 Period of record: Maximum discharge, 45,400 ft³/s (1,290 m³/s) Oct. 16, 1955 (gage height, 18.44 ft or 5.621 m, from floodmarks), from rating curve extended above 9,700 ft³/s (275 m³/s) on basis of slope-area measurements of peak flow; minimum daily, 0.1 ft³/s (0.003 m³/s) Mar. 14, 1965.

REMARKS.--Records good. Entire flow, except for periods of spilling and releases to augment Croton-on-Hudson water supply, diverted from New Croton Reservoir for municipal supply of city of New York.

REVISIONS (WATER YEARS).--WRD N.Y. 1969: 1968(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	.82	921	1.9	646	921	1350	4.6	287	80	1.3	11	1.7
3	.78	921	155	646	921	1350	239	326	110	1.2	2.0	1.7
4	.75	913	294	646	906	1350	1170	326	113	1.3	2.0	1.7
5	.72	906	294	646	913	1350	1800	343	156	2.1	2.0	1.6
	.72	906	299	646	913	1350	1290	416	125	5.8	1.9	1.5
6												
7	.68	899	406	563	906	1340	1080	384	390	5.2	2.4	1.5
8	.78	892	570	469	906	1040	953	702	449	5.2	4.4	1.4
9	283	884	570	451	906	884	842	681	326	5.2	175	1.5
10	488	884	570	445	913	892	739	514	221	5.5	241	1.5
	488	877	570	445	913	884	667	436	159	5.4	206	1.4
11												
12	488	870	570	445	856	615	613	396	110	5.4	171	1.4
13	488	607	570	445	906	476	560	354	231	5.4	119	1.7
14	488	433	378	445	899	198	493	653	717	6.3	55	1.4
15	488	433	23	445	899	.89	442	1100	600	6.3	8.3	1.3
	488	439	23	445	899	.89	409	792	378	48	2.1	1.3
16												
17	488	439	24	445	899	.85	403	731	287	360	4.1	1.3
18	488	439	21	445	892	1.3	360	688	247	416	1.9	1.3
19	488	439	20	451	892	4.2	321	560	192	326	1.8	1.3
20	488	273	34	451	1110	5.1	316	463	135	247	1.7	1.3
	482	1.2	273	451	1400	6.9	321	384	89	206	1.7	1.3
21												
22	482	1.3	482	451	1390	5.7	310	321	9.3	717	1.7	1.4
23	482	1.2	488	451	1390	5.1	252	258	1.2	660	1.7	1.3
24	482	1.1	488	451	1380	5.0	202	202	1.2	348	2.5	1.9
25	476	1.1	488	451	1380	5.0	316	175	1.2	197	1.7	13
	476	1.4	488	457	1370	5.1	626	125	1.3	493	1.5	1900
26												
27	476	1.9	556	457	1360	4.8	695	64	1.3	544	1.7	4260
28	476	1.8	646	457	1360	4.7	584	65	1.3	332	1.4	14100
29	476	1.9	646	457	1360	4.6	471	74	1.2	236	1.7	7700
30	712	1.9	646	729	---	4.6	409	49	1.9	188	1.7	4520
31	936	1.9	646	921	---	5.3	332	28	3.6	122	2.0	2790
	928	---	646	921	---	4.8	---	29	---	52	2.0	---
TOTAL	12540.25	13391.7	11885.9	16274	29760	13153.83	17219.6	11926	5138.5	5553.6	1033.9	35316.7
MEAN	405	446	383	525	1063	424	574	385	171	179	33.4	1177
MAX	936	921	646	921	1400	1350	1800	1100	717	717	241	14100
MIN	.68	1.1	1.9	445	856	.85	4.6	28	1.2	1.2	1.4	1.3
CAL YR 1974	TOTAL	145282.39	MEAN	398	MAX	1780	MIN	.68				
WTR YR 1975	TOTAL	173193.98	MEAN	475	MAX	14100	MIN	.68				

01376500 SAW MILL RIVER AT YONKERS, N.Y.

LOCATION.--Lat 40°56'11", long 73°53'12", Westchester County, on left bank in Yonkers, just upstream from Old Croton aqueduct, near intersection of Nepperhan Avenue and Center Street, and 1.2 mi (1.9 km) upstream from mouth.

DRAINAGE AREA.--25.6 mi² (66.3 km²).

PERIOD OF RECORD.--November 1943 to September 1973, April 1974 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 90.99 ft (27.734 m) above mean sea level.

AVERAGE DISCHARGE.--30 years (1944-73, 1975) 30.8 ft³/s (0.872 m³/s) (unadjusted).

EXTREMES.--Current year: Maximum discharge, 1,020 ft³/s (28.9 m³/s) Sept. 27 (gage height, 7.26 ft or 2.213 m); minimum, 1.7 ft³/s (0.048 m³/s) July 5 (gage height, 0.73 ft or 0.223 m).

Period of record: Maximum discharge, 1,020 ft³/s (28.9 m³/s) Sept. 27, 1975 (gage height, 7.26 ft or 2.213 m); minimum, 0.05 ft³/s (0.001 m³/s) Dec. 27, 1946 (gage height, 0.37 ft or 0.113 m); minimum daily, 0.2 ft³/s (0.006 m³/s) Jan. 1, 1944, Sept. 5, Oct. 19, 1945.

REMARKS.--Records fair. Flow affected by diversion by city of Yonkers, village of Tarrytown, and several industries for water supply and industrial purposes. Diurnal fluctuations caused by water supply and industrial operations.

COOPERATION.--Figures for diversion and return in upstream water supply furnished by City of Yonkers and Village of Tarrytown.

REVISIONS (WATER YEARS).--WRD N.Y. 1971: 1965, 1966.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	9.3	7.0	30	43	47	43	20	58	8.6	15	5.6
2	11	4.8	50	30	43	42	41	23	32	7.4	13	5.6
3	7.7	4.0	65	24	37	41	45	24	27	7.0	11	6.6
4	7.0	10	48	21	34	37	68	22	34	3.2	14	5.9
5	4.2	5.0	34	17	37	33	62	34	29	2.2	20	4.8
6	5.3	13	27	18	46	35	56	26	114	2.6	19	3.8
7	6.6	7.8	23	44	44	34	50	37	48	6.6	91	2.2
8	8.0	7.4	36	29	34	35	42	37	26	7.4	29	2.4
9	6.3	5.9	76	112	27	29	40	27	22	7.8	19	2.4
10	5.6	4.8	41	63	27	27	35	24	19	8.2	11	2.4
11	5.9	4.3	33	43	27	27	33	21	18	26	20	2.4
12	3.4	13	29	36	21	37	29	25	65	14	18	8.2
13	3.2	88	27	58	27	49	28	52	107	58	12	45
14	3.0	28	23	70	27	32	27	64	40	71	10	5.0
15	7.7	18	20	48	22	39	27	35	26	124	10	8.2
16	72	14	43	40	25	42	27	52	29	47	9.0	6.2
17	62	13	120	38	36	34	25	35	29	57	22	4.5
18	22	13	54	39	57	30	22	28	24	29	11	4.8
19	15	11	42	51	61	54	24	29	24	22	8.6	9.7
20	11	16	36	52	52	234	22	29	19	20	5.9	7.8
21	10	34	32	52	38	109	24	27	15	80	3.8	39
22	10	21	29	50	34	69	19	25	12	35	5.6	19
23	9.7	12	28	47	50	64	19	24	12	24	5.0	127
24	8.2	8.6	27	44	124	57	24	21	12	19	21	170
25	10	12	36	63	178	61	32	18	13	177	36	234
26	13	15	44	74	69	53	37	17	10	86	9.3	325
27	8.2	12	28	55	56	45	32	21	10	30	8.6	906
28	8.6	6.6	27	47	50	42	27	21	11	25	7.0	450
29	8.6	9.7	25	76	---	38	24	19	10	19	5.9	146
30	10	9.0	23	62	---	55	23	18	13	18	17	100
31	13	---	22	46	---	56	---	22	---	17	19	---
TOTAL	393.2	430.2	1155.0	1479	1276	1587	1007	877	908	1059.0	506.7	2659.5
MEAN	12.7	14.3	37.3	47.7	45.6	51.2	33.6	28.3	30.3	34.2	16.3	88.7
MAX	72	83	120	112	128	234	68	64	114	177	91	906
MIN	3.0	4.0	7.0	17	21	27	19	17	10	2.2	3.8	2.2
†	13.71	11.72	13.02	14.77	12.11	12.36	12.63	9.43	10.23	6.42	6.13	8.80
CAL YR 1974 TOTAL	-	-	-	-	-	-	-	-	-	-	-	-
WTR YR 1975 TOTAL	13337.6	MEAN	36.5	MAX	906	MIN	2.2	†	11.04	†	10.94	

† Indicated net diversion, in cubic feet per second, for diversion and return in upstream supply.

Reservoirs in Hudson River basin

- 01335900 Delta Reservoir.--Lat 43°16'20", long 75°25'50", Oneida County, on superstructure of gatehouse at Delta Dam on Mohawk River 4 mi (6 km) upstream from Rome. Drainage area 145 mi² (376 km²). Period of record May 1913 to current year. Nonrecording gage read daily at 0800. Datum of gage is at mean sea level, Barge Canal datum. Extremes for current year: Maximum contents observed, 3,076 mil ft³ (87.1 hm³) Sept. 27 (elevation, 552.3 ft or 168.34 m); minimum contents observed, 1,075 mil ft³ (30.4 hm³) Mar. 19 (elevation, 531.5 ft or 162.00 m). 1951-1975: maximum contents observed, 3,136 mil ft³ (88.8 hm³) June 22, 1972 (elevation, 552.8 ft or 168.49 m); minimum contents observed 2.0 mil ft³ (0.0566 hm³) Jan. 10, 13, 16-21, Feb. 7-15, Feb. 22 to Mar. 2, 1959 (elevation, 492.0 ft or 149.96 m).
Dam completed Aug. 3, 1912 and controlled storage for which records are available began May 1, 1913. Usable capacity 2,800 mil ft³ (79.3 hm³) at crest of spillway (elevation 550.0 ft or 167.64 m). Reservoir is used for navigation in Barge Canal. Records furnished by New York State Department of Transportation.
- 01343900 Hinckley Reservoir.--Lat 43°18'45", long 75°06'25", Oneida County, on south side of north gatehouse at Hinckley Dam on West Canada Creek at Hinckley, 2.2 mi (3.5 km) east of Prospect. Drainage area 374 mi² (969 km²). Period of record March 1914 to current year. Non-recording-gage read once daily at 0800. Datum of gage is at mean sea level, Barge Canal datum. Extremes for current year: Maximum contents observed, 3,652 mil ft³ (103 hm³) Sept. 27 (elevation, 1,227.5 ft or 374.14 m); minimum observed, 310 mil ft³ (8.78 hm³) Apr. 14, 15 (elevation, 1,185.1 ft or 361.22 m). Extremes for period of record: Maximum contents observed, 4,041 mil ft³ (114 hm³) Oct. 2, 1945 (elevation 1,230.2 ft or 374.96 m); minimum observed (after initial filling), not determined.
Reservoir is formed by earth and concrete dam; storage began March 1914. Usable capacity 3,320 mil ft³ (94.0 hm³) between elevation 1,173.5 and 1,225.0 ft (373.38 m). Elevation of inverts of four 60 inch discharge pipes at north end of spillway is 1,169.5 ft (356.46 m), and elevation of inverts of two 42 inch pipes at south end for diverting water to city of Utica is 1,164.25 ft (354.863 m). Crest of Ogee spillway is at elevation 1,225.0 ft (373.38 m). Length of spillway is 400 ft (122 m). Area of water surface at crest elevation is 4.46 mi² (11.6 km²). Records furnished by New York State Department of Transportation.
- 01350100 Schoharie Reservoir (see station for mean daily elevations, skeleton capacity table, monthly contents and change in contents).
- 01363400 Ashokan Reservoir.--Lat 41°57'01", long 74°12'30", Ulster County, at gatehouse located at Dividing Weir Dyke and 1.6 mi (2.6 km) south of Shokan, N.Y. Drainage area, 256 mi² (663 km²). Period of record: September 1913 to current year. Nonrecording gage read daily at 0900. Datum of gage is at mean sea level (levels by Board of Water Supply, City of New York). Extremes for current year: Maximum contents observed, in (01363398) West basin, 50,455 mil gal (191.0 hm³) Apr. 4 (elevation, 590.98 ft or 180.131 m), in (01363399) East basin, 82,171 mil gal (311.0 hm³) Apr. 4 (elevation, 587.99 ft or 179.219 m); minimum observed, in West basin, 43,223 mil gal (163.6 hm³) Dec. 8 (elevation, 583.69 ft or 177.909 m); in East basin, 63,103 mil gal (238.8 hm³) Dec. 8 (elevation, 576.12 ft or 175.601 m). Extremes for period of record: Maximum contents observed, in West basin, 54,001 mil gal (204.4 hm³) Mar. 31, 1951 (elevation, 594.33 ft or 181.152 m), in East basin, 89,411 mil gal (338.4 hm³) Mar. 31, 1951 (elevation, 592.23 ft or 180.512 m); minimum observed, in West basin, 9,098 mil gal (34.44 hm³) Oct. 24, 1926 (elevation, 530.56 ft or 161.715 m), in East basin, 8,394 mil gal (31.77 hm³) Oct. 24, 1926 (elevation, 525.91 ft or 160.297 m).
The reservoir is formed by the masonry Olive Bridge Dam across Esopus Creek and a series of earth embankments between hills. The reservoir is divided into two basins separated by a weir containing a gatehouse. The storage began Sept. 9, 1913. Usable capacity of West basin 47,180 mil gal (178.6 hm³) between minimum operations level (elevation 495.50 ft or 151.028 m) and crest of spillway to East basin (elevation 590.00 ft or 179.832 m); dead storage below minimum operating level 2,237 mil gal (8.467 hm³). Usable capacity of East basin 80,678 mil gal (305.4 hm³) elevation 500.00 ft (152.400 m) and crest of spillway (elevation 587.10 ft or 178.948 m); no dead storage. Figures given herein represent total contents for each basin. Reservoir impounds water for diversion into Catskill Aqueduct for New York City water supply (see elsewhere in this section). Any flood spillage enters the Esopus Creek channel below Olive Bridge Dam. Records furnished by the City of New York, Department of Water Resources.
REVISIONS (WATER YEARS).--WRD New York 1970 Drainage Area. WRD New York 1972: 1968.
- 01366400 Rondout Reservoir.--Lat 41°47'57", long 74°25'48", Ulster County, at release chamber at Merriman Dam on Rondout Creek, 1.1 mi (1.8 km) upstream from Brandy Brook and 1.3 mi (2.1 km) northwest of Lackawack. Drainage area 94.4 mi² (244 km²). Period of record, May 1951 to current year. Gage, water-stage recorder. Datum of gage is at mean sea level (levels by Board of Water Supply, City of New York). Extremes for current year: Maximum contents observed, 52,394 mil gal (198.3 hm³) June 13 (elevation, 839.94 ft or 256.014 m); minimum observed 37,713 mil gal (142.7 hm³) Oct. 28 (elevation, 816.73 ft or 248.939 m). Extremes for period of record: Maximum contents observed 53,355 mil gal (201.9 hm³) June 23, 1972 (elevation 841.34 ft or 256.440 m); minimum observed (after initial filling) 8,335 mil gal (31.55 hm³) Oct. 15, 1957 (elevation, 748.75 ft or 228.219 m).
Reservoir is formed by an earth-fill rock faced dam; storage began May 10, 1951. Initial filling (to crest of spillway) Mar. 28, 1955. Usable capacity 50,048 mil gal (189 hm³) between minimum operating level (elevation 720.00 ft or 219.45 m) and crest of spillway (elevation 840.00 ft or 256.03 m). Dead storage below elevation 720.00 ft (219.45 m), 2,387 mil gal (9.03 hm³). Figures given herein represent total contents. Reservoir impounds water from Rondout Creek; water diverted from Cannonsville Reservoir in the Delaware River basin through West Delaware Tunnel; water diverted from Pepacton Reservoir through East Delaware Tunnel, and water diverted from Neversink Reservoir through Neversink-Grahamsville Tunnel. Water is diverted from Rondout Reservoir for New York City water supply through West Branch Tunnel of Delaware Aqueduct (see elsewhere in this section). Records furnished by City of New York, Board of Water Supply.

HUDSON RIVER BASIN

MONTHEND ELEVATION AND CONTENTS, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	Elevation (feet)	Contents (million cubic feet)	Change in contents (equivalent in cfs)	Elevation (feet)	Contents (million cubic feet)	Change in contents (equivalent in cfs)
	01335900 Delta reservoir †			01343900 Hinckley Reservoir †		
Sept.	544.5	2,190		1,216.2	2,370	
Oct.	544.1	2,150	- 14.9	1,212.5	2,040	- 123
Nov.	547.9	2,559	+158	1,224.8	3,296	+ 485
Dec.	542.9	2,030	-198	1,220.5	2,805	- 183
CAL YR 1974			- 27.8			- 20.9
Jan.	541.0	1,840	- 70.9	1,210.6	1,878	- 346
Feb.	536.9	1,482	-148	1,204.2	1,382	- 205
Mar.	543.1	2,050	+212	1,194.1	737	- 241
Apr.	550.5	2,860	+312	1,213.1	2,093	+ 523
May	547.9	2,559	-112	1,224.7	3,284	+ 445
June	547.6	2,526	- 12.7	1,222.6	3,039	- 94.5
July	545.4	2,284	- 90.4	1,214.2	2,190	- 317
Aug.	544.5	2,190	- 35.1	1,212.0	1,996	- 72.4
Sept.	550.7	2,884	+268	1,226.2	3,477	+ 571
WTR YR 1975			+ 22.0			+ 35.1

	Elevation (feet)	Contents (million gallons)	Change in contents (equivalent in cfs)	Elevation (feet)	Contents (million gallons)	Change in contents (equivalent in cfs)	Elevation (feet)	Contents (million gallons)	Change in contents (equivalent in cfs)
	01363398 Ashokan Reservoir † West Basin			01363399 Ashokan Reservoir † East Basin			01366400 Rondout Reservoir †		
Sept.	584.55	44,021		581.10	70,860		822.12	40,926	
Oct.	587.26	46,689	+133	576.51	63,704	-357	817.36	38,081	-142
Nov.	584.77	44,225	-127	576.44	63,596	- 5.57	824.76	42,541	+230
Dec.	587.56	46,988	+138	580.90	70,538	+346	830.58	46,201	+183
CAL YR 1974			- 13.8			- 20.7			- 16.4
Jan.	589.68	49,099	+105	583.24	74,314	+188	831.01	46,477	+ 13.8
Feb.	590.44	49,884	+ 43.4	585.38	77,793	+192	834.20	48,552	+115
Mar.	590.26	49,693	- 9.53	587.41	81,198	+170	837.76	50,917	+118
Apr.	590.10	49,524	- 8.72	586.91	80,359	- 43.3	834.53	48,769	-111
May	590.08	49,503	- 1.05	586.37	79,453	- 45.2	837.88	50,998	+111
June	590.20	49,630	+ 6.55	586.18	79,135	- 16.4	836.25	49,907	- 56.3
July	589.89	49,308	- 16.1	586.25	79,252	+ 5.84	837.91	51,018	+ 55.5
Aug.	590.25	49,683	+ 18.7	582.29	72,781	-323	831.71	46,929	-204
Sept.	590.24	49,672	- .57	579.25	67,928	-250	834.68	48,868	+100
WTR YR 1975			+ 15.5			- 12.4			+ 33.7

† Elevation at 2400 by interpolation

† Elevation at 0900 on first day of following month

Reservoirs in Hudson River basin--continued

Diversions in Hudson River basin

- Undetermined diversion at Solsville from Chenango River in Susquehanna River basin into Oriskany Creek in Mohawk River Basin through Oriskany Creek Feeder.
- Undetermined diversion from (and occasionally into) Oswego River, tributary to Lake Ontario, through Summit level of Erie (Barge) Canal.
- 04252000 Diversion from Black River tributary into Lake Ontario through Black River canal into Mohawk River in Hudson River basin (see station).
- 01327500 Diversion from Hudson River basin to Summit level of Champlain (Barge) Canal, (see station).
- 01343899 Diversion from Hinckley Reservoir, N.Y. (see Reservoirs in Hudson River basin) for municipal supply of Utica. Diversion began prior to 1921. Records furnished by Utica Board of Water Supply.
- Diversion from Schoharie Reservoir, N.Y. (see Reservoirs in Hudson River basin) on Schoharie Creek through Shandaken Tunnel to Esopus Creek at, 01362230 Lat 42°06'52", long 74°21'51", near Phoenicia, Ulster County. No diversion prior to 1924. Records furnished by the City of New York, Department of Water Resources.
- 01359498 Diversion from Watervliet Reservoir for municipal supply of Watervliet (see station 01359519).
- 01363401 Diversion from Ashokan Reservoir, N.Y. (see Reservoirs in Hudson River Basin) on Esopus Creek through the Catskill Aqueduct for municipal supply of New York City. Completed in 1917. Records furnished by the City of New York, Department of Water Resources.
- 01366399 Diversion from Rondout Reservoir, N.Y. Total diversion from Rondout Reservoir to Delaware Aqueduct for municipal supply of City of New York. Rondout Reservoir is a collection basin for diversion from; Cannonsville Reservoir, Pepacton Reservoir, and Neversink Reservoir in the Delaware River basin and the Rondout Creek in the Hudson River basin. Diversion began April 1944 by means of temporary emergency connection to aqueduct. Records furnished by Board of Water Supply, City of New York.
- 01367630 Diversion from Morris Lake, tributary to Wallkill River, by Newton Water and Sewer Authority for municipal use in New Jersey. After use the water is released into the Paulins Kill (Delaware River basin). Records available from the Delaware River Basin Commission.

Diversion, in cubic feet per second, water year October 1974 to September 1975

Month	01343899 Hinckley Reservoir	01362230 Schoharie Reservoir	01363401 Ashokan Reservoir	01366399 Rondout Reservoir
Oct.	30.9	413	896	1,300
Nov.	28.6	61.6	851	1,090
Dec.	28.8	149	787	1,330
CAL YR 1974	30.0	206	730	1,300
Jan.	28.4	0	557	1,300
Feb.	28.1	0	682	1,170
Mar.	29.0	0	733	1,160
Apr.	29.6	12.1	575	1,350
May	32.8	66.7	714	1,260
June	34.1	264	847	1,260
July	34.2	526	889	1,310
Aug.	33.4	425	889	1,370
Sept.	33.0	292	890	1,150
WTR YR 1975	30.9	175	777	1,250

HACKENSACK RIVER BASIN

01376800 HACKENSACK RIVER AT WEST NYACK, N.Y.

LOCATION.--Lat 41°05'44", long 73°57'52", Rockland County, on right bank 20 ft (6 m) downstream from Penn Central Transportation Company railroad bridge at West Nyack, 1,000 ft (305 m) upstream from State Highway 59, and 1.0 mi (1.6 km) downstream from DeForest Lake.

DRAINAGE AREA.--29.4 mi² (76.1 km²).

PERIOD OF RECORD.--December 1958 to current year.

GAGE.--Water-stage recorder and stop-log control. Datum of gage is 53.50 ft (16.307 m) above mean sea level (levels by Hackensack Water Co.).

EXTREMES.--Current year: Maximum discharge, 920 ft³/s (26.1 m³/s) Sept. 27 (gage height, 8.85 ft, or 2.697 m); minimum, 13 ft³/s (0.37 m³/s) June 21 (gage height, 2.62 ft or 0.799 m).

Period of record: Maximum discharge, 1,550 ft³/s (43.9 m³/s) Feb. 3, 1973 (gage height, 9.38 ft or 2.859 m, from floodmarks), from rating curve extended above 840 ft³/s (23.8 m³/s); minimum daily, 2.6 ft³/s (0.074 m³/s) June 12, 1965, Sept. 25, 26, 30, 1966; minimum gage height, 1.70 ft (0.518 m) Oct. 22, 1960.

REMARKS.--Records fair below 80 ft³/s (2.27 m³/s) and poor above. Flow regulated by DeForest Lake (see Hackensack River basin, Reservoirs in). Diversion from gaging station pool for municipal supply for village of Nyack (see Hackensack River basin, Reservoirs in). Discharge given for this station represents the flow of Hackensack River downstream from this diversion.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	22	23	43	67	69	64	30	26	18	19	22
2	20	22	36	47	50	50	58	36	21	17	20	22
3	20	22	23	38	46	42	268	38	22	22	23	22
4	20	22	20	36	42	43	263	42	22	20	28	21
5	20	23	20	34	48	40	73	61	22	20	30	21
6	19	23	19	32	51	41	70	52	55	20	32	22
7	19	23	20	49	52	42	62	176	54	19	31	22
8	19	22	59	50	49	52	58	99	47	20	28	21
9	19	21	29	112	46	45	52	25	34	23	25	21
10	18	22	22	127	41	34	47	28	23	22	23	21
11	18	23	21	103	38	36	46	30	22	22	22	22
12	18	23	21	93	41	39	44	30	47	22	22	24
13	18	29	21	129	37	58	41	107	160	34	22	23
14	18	23	21	154	30	58	37	169	74	43	22	22
15	19	22	20	114	30	62	38	65	50	49	22	22
16	41	22	41	86	33	55	42	59	41	94	24	21
17	22	21	99	66	40	55	38	54	35	49	23	21
18	19	22	93	67	59	50	31	47	26	34	22	21
19	19	21	73	156	127	104	31	43	23	23	23	25
20	20	22	62	241	178	445	31	36	23	22	22	23
21	21	24	54	163	101	284	32	30	22	38	22	22
22	21	22	49	54	58	91	24	23	21	35	22	22
23	21	21	42	43	38	118	23	22	18	25	21	43
24	21	21	39	48	200	98	40	23	18	22	25	67
25	21	21	54	104	308	102	64	25	20	81	22	412
26	21	21	62	269	188	80	71	20	18	88	25	577
27	21	21	50	81	74	58	55	19	18	38	22	773
28	21	24	45	52	70	41	42	19	18	26	22	364
29	21	25	41	157	---	34	36	19	19	22	22	212
30	21	24	39	122	---	61	32	23	19	20	27	77
31	22	---	35	86	---	73	---	24	---	20	23	---
TOTAL	638	674	1253	2966	2142	2460	1813	1474	1018	1008	736	3009
MEAN	20.6	22.5	40.4	95.7	76.5	79.4	60.4	47.5	33.9	32.5	23.7	100
MAX	41	29	99	269	308	445	268	176	160	94	32	773
MIN	18	21	19	32	30	34	23	19	18	17	19	21
CAL YR 1974	TOTAL	17237	MEAN	47.2	MAX	299	MIN	18				
WTR YR 1975	TOTAL	19191	MEAN	52.6	MAX	773	MIN	17				

HACKENSACK RIVER BASIN

01377000 Hackensack River at Rivervale, N. J.

LOCATION.--Lat 40°59'55", long 73°59'27", Bergen County, on right bank at Westwood Avenue in Rivervale, 1.5 mi (2.4 km) upstream from Pascack Brook, 4.6 mi (7.4 km) upstream from Oradell Dam, and 27.2 mi (43.8 km) upstream from mouth.

DRAINAGE AREA.--58.0 mi² (150.2 km²).

PERIOD OF RECORD.--October 1941 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 22.51 ft (6.861 m) above mean sea level.

AVERAGE DISCHARGE.--34 years, 89.5 ft³/s (2.535 m³/s), unadjusted.

EXTREMES.--Current year: Maximum discharge, 1,740 ft³/s (49.4 m³/s) Sept. 27 (gage height, 7.15 ft or 2.179 m); minimum, 12 ft³/s (0.34 m³/s) Oct. 7, Dec. 23-25 (gage height, 1.53 ft or 0.466 m).

Period of record: Maximum discharge, 1,745 ft³/s (49.4 m³/s) Sept. 27, 1975 (gage height, 7.15 ft or 2.179 m); no flow part of Jan. 16, 1970.

REMARKS.--Records excellent. Flow regulated by Lake De Forest and Lake Tappan (see Hackensack River Basin, reservoirs in). Diversions at Lake De Forest and West Nyack, N.Y., for municipal water supply (see Hackensack River Basin, diversions). Records of water quality for the current year are published in Section 2 of New Jersey report.

COOPERATION.--Gage-height record collected in cooperation with Hackensack Water Co.

DAY	OCT	NOV	DEC	JAN	FER	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	18	102	100	106	67	100	94	45	102	22	23	38
3	16	102	113	69	71	87	87	71	44	19	24	38
4	16	102	23	28	61	61	181	58	28	19	24	36
5	16	102	42	28	65	59	381	81	30	19	30	36
	16	102	111	28	98	54	193	102	29	33	50	36
6												
7	14	102	108	65	85	59	98	71	159	126	44	36
8	81	100	108	115	94	65	89	173	100	104	133	36
9	138	100	151	108	73	79	81	173	65	77	42	45
10	138	100	122	94	63	56	73	56	49	77	38	102
	138	98	113	22	58	45	69	41	35	77	33	124
11												
12	128	98	111	22	52	63	67	44	28	96	33	122
13	79	98	75	19	87	58	63	44	140	122	32	133
14	81	111	28	41	54	106	63	144	243	135	28	126
15	81	98	26	28	50	96	59	201	147	113	19	122
	79	98	25	22	47	98	56	126	77	45	22	102
16												
17	108	96	61	20	52	98	59	117	59	30	44	85
18	28	94	41	19	81	85	61	83	67	193	42	83
19	17	94	17	47	140	71	56	67	39	81	33	83
20	17	94	15	30	149	100	56	63	41	42	24	81
	18	91	14	23	191	485	54	52	45	36	22	65
21												
22	50	98	14	23	161	494	52	49	23	91	61	71
23	87	94	13	22	106	214	49	44	22	56	104	65
24	85	91	12	22	117	151	45	30	20	41	106	104
25	85	91	12	22	228	142	77	29	32	28	108	135
	85	91	19	52	357	151	138	38	33	193	113	122
26												
27	87	96	15	26	280	126	147	25	25	183	50	473
28	100	102	13	22	147	85	140	26	22	81	39	1450
29	100	102	50	24	100	69	131	25	32	36	36	840
30	102	100	104	38	---	61	126	19	56	36	36	349
31	104	100	104	23	---	115	106	22	39	26	45	178
	104	---	102	22	---	113	---	44	---	25	38	---
TOTAL												
MEAN	2216	2947	1862	1230	3134	3646	2951	2163	1831	2262	1476	5316
MAX	71.5	98.2	60.1	39.7	112	118	98.4	69.8	61.0	73.0	47.6	177
MIN	138	111	151	115	357	494	381	201	243	193	133	1450
	14	91	12	19	47	45	45	19	20	19	19	36
CAL YR 1974	TOTAL	29151	MEAN 79.9	MAX 361	MIN 12							
WTR YR 1975	TOTAL	31034	MEAN 85.0	MAX 1450	MIN 12							

HACKENSACK RIVER BASIN

Reservoirs in Hackensack River basin

01376700 DE FOREST LAKE.--Lat 41°06', long 74°57', Rockland County, N.Y., at dam on Hackensack River, 0.85 mi (1.37 km) north of West Nyack, N.Y. Drainage area, 26.6 mi² (68.9 km²). Period of record, February 1956 to current year in reports of Geological Survey. Bristol recording water-level gage. Datum of gage is at mean sea level.

Reservoir is formed by earthfill dam with sheet piling cutoff and concrete spillway; dam completed and storage began in February 1956. Total capacity at crest of dam (elevation, 80.00 ft or 24 m), 4,068,000,000 gal (15.40 hm³). Crest of dam topped by two 50-foot (15.24 m) Bascule gates 5 ft (1.5 m) high. Flow regulated by 12-inch (0.3 m) Howell-Bunger valve at elevation 59.25 ft (18.06 m) and 24-inch Howell-Bunger valve at elevation 61.25 ft (18.67 m). Reservoir used for storage and water released by Hackensack Water Co., for public water supply. Record of elevation and contents furnished by Hackensack Water Co.

01376950 LAKE TAPPAN.--Lat 41°01'05", long 74°00'05", Bergen County, at dam on Hackensack River, 0.50 mi (0.80 km) north of Old Tappan. Drainage area, about 49 mi² (127 km²). Period of record, October 1966 to current year in reports of Geological Survey. Water-stage recorder. Datum of gage is at mean sea level.

Reservoir is formed by earthfill dam, completed in 1966. Capacity at spillway level (elevation, 55.00 ft or 17 m), 3,378,000,000 gal (12.79 hm³). Flow regulated by four Bascule gates and one sluice gate. Water is released by Hackensack Water Co., for public water supply. Record of elevation and contents furnished by Hackensack Water Co.

01377450 WOODCLIFF LAKE.--Lat 41°01', long 74°03', Bergen County, at dam on Pascack Brook, 0.75 mi (1.21 km) north of Hillsdale. Drainage area, 19.4 mi² (50.2 km²). Period of record, December 1929 to current year in reports of Geological Survey. Monthend contents only prior to September 1953, published in WSP 1302, 1722. Water-stage recorder. Datum of gage is at mean sea level.

Reservoir is formed by earthfill dam, completed about 1905. Capacity at spillway level (elevation, 94.33 ft or 28.75 m), 835,000,000 gal (3.160 hm³). Flow is regulated by flashboards and one 36-inch (0.9 m) gate in center of dam. Water is released for diversion at New Milford by Hackensack Water Co., for municipal supply. Record of elevation and contents furnished by Hackensack Water Co.

01378480 ORADELL RESERVOIR.--Lat 40°57', long 74°02', Bergen County, at dam on Hackensack River at Oradell. Drainage area, 113 mi² (293 km²). Period of record, December 1922 to current year in reports of Geological Survey. Monthend contents only prior to September 1953, published in WSP 1302, 1722. Water-stage recorder. Datum of gage is at mean sea level.

Reservoir is formed by hollow concrete dam, completed in 1922. Capacity at spillway level (elevation, 22.66 ft or 6.91 m), 2,850,000,000 gal (10.79 hm³). Flow regulated by seven sluice gates (7 by 9 ft or 2.1 by 2.7 m). Water is released for diversion by Hackensack Water Co., 1 mi (2 km) downstream from dam for municipal supply. Record of elevation and contents furnished by Hackensack Water Co.

MONTHEND ELEVATION AND CONTENTS, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

Date	Elevation (feet)	Contents (million gallons)	Change in contents (equivalent in cfs)	Elevation (feet)	Contents (million gallons)	Change in contents (equivalent in cfs)
<u>01376700 De Forest Lake†</u>						
Sept. 30.....	84.07	5,346	-	52.85	2,803	-
Oct. 31.....	83.88	5,286	-3.0	50.24	2,056	-37.3
Nov. 30.....	83.45	5,151	-7.0	45.35	879	-60.7
Dec. 31.....	85.23	5,719	+28.3	47.78	1,427	+27.3
CAL YR 1974.....	-	-	+0.3	-	-	-3.6
Jan. 31.....	85.25	5,726	+0.3	55.00	3,485	+102.7
Feb. 28.....	85.19	5,705	-1.2	55.02	3,492	+0.4
Mar. 31.....	85.28	5,737	+1.6	55.02	3,492	0
Apr. 30.....	85.10	5,673	-3.3	54.99	3,482	-0.5
May 31.....	84.89	5,603	-3.5	55.06	3,505	+1.1
June 30.....	84.79	5,572	-1.6	55.00	3,485	-1.0
July 31.....	85.01	5,642	+3.5	55.00	3,485	0
Aug. 31.....	84.46	5,468	-8.7	54.49	3,320	-8.2
Sept. 30.....	85.18	5,702	+12.1	55.01	3,488	+8.7
WTR YR 1975.....	-	-	+1.5	-	-	+2.9
<u>01377450 Woodcliff Lake†</u>						
Sept. 30.....	91.03	662	-	19.43	2,189	-
Oct. 31.....	89.53	585	-3.8	17.82	1,898	-14.5
Nov. 30.....	87.43	483	-5.3	18.25	1,973	+3.9
Dec. 31.....	93.33	782	+14.9	20.52	2,406	+21.6
CAL YR 1974.....	-	-	-0.5	-	-	-2.3
Jan. 31.....	95.03	873	+4.5	22.37	2,788	+19.1
Feb. 28.....	94.73	856	-0.9	22.55	2,827	+2.2
Mar. 31.....	95.03	873	+0.8	22.75	2,871	+2.2
Apr. 30.....	94.68	853	-1.0	21.33	2,571	-15.5
May 31.....	94.63	851	-0.1	20.18	2,336	-11.7
June 30.....	94.20	828	-1.2	20.08	2,316	-1.0
July 31.....	93.54	793	-1.7	21.04	2,664	+17.4
Aug. 31.....	89.98	608	-9.2	19.24	2,286	-18.9
Sept. 30.....	94.85	863	+13.1	23.00	3,120	+43.0
WTR YR 1975.....	-	-	+0.9	-	-	+3.9

† Elevation at 0800 on first day of following month.

HACKENSACK RIVER BASIN

Diversions from Hackensack River basin

- 01376699 Spring Valley Water Co., diverts water at De Forest Lake for public supply in Rockland County, N.Y. Records furnished by Spring Valley Water Co.
- 01376810 Village of Nyack, N.Y., diverts water from Hackensack River 100 ft (30.5 m) downstream from gaging station on Hackensack River at West Nyack, N.Y. (sta 01376800) for municipal supply. Records furnished by Board of Water Commissioners of Nyack, N.Y.
- 01378490 Hackensack Water Co., diverts water for municipal supply from Oradell Reservoir at Haworth pumping station 2.0 mi (3.2 km) upstream from gaging station on Hackensack River at New Milford and from Hackensack River about 50 ft (15.2 m) above gaging station on Hackensack River at New Milford, N.J. (sta 01378500). Records furnished by Hackensack Water Co.
- 01378520 Hackensack Water Co., diverts water from Hirshfeld Brook, a tributary of the Hackensack River, below the gaging station on Hackensack River at New Milford, N.J., for municipal supply. Records furnished by Hackensack Water Co.

DIVERSIONS, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

Month	Spring Valley Water Co.	West Nyack, N.Y.	Hackensack Water Co.
October.....	4.55	2.32	142
November.....	4.50	2.25	136
December.....	0.41	2.13	134
CAL YR 1974.....	4.43	2.45	138
January.....	0	2.17	134
February.....	0	2.17	133
March.....	0	2.11	133
April.....	0	2.21	139
May.....	5.52	2.46	154
June.....	9.13	2.71	155
July.....	9.82	3.02	161
August.....	9.06	2.94	161
September.....	6.00	2.61	150
WTR YR 1975.....	4.08	2.42	144

Tabulation of diversion by pumpage from sources other than the Hackensack River into Oradell Reservoir. These figures are included in diversions from Hackensack River as noted above.

DIVERSIONS, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

Month	Sparkill Creek (Hudson River Basin)	Hirshfeld Brook (Hackensack River Basin)	Saddle River (Passaic River Basin)	Wells to Surface Supply
October.....	0	0	7.92	0
November.....	0	0	3.18	0
December.....	0	0	7.52	0
CAL YR 1974....	0	0.53	5.67	0.15
January.....	0	0	8.59	0
February.....	0	0	0	0
March.....	0	0	0	0
April.....	0	0	0.94	0
May.....	0	0.09	1.36	0
June.....	0	0	0.06	0
July.....	0	0	1.70	0
August.....	0	0	0.82	0
September.....	0	0.06	0.79	0
WTR YR 1975....	0	0.01	2.89	0

01387450 MAHWAH RIVER NEAR SUFFERN, N.Y.

LOCATION.--Lat 41°08'27", long 74°07'01", Rockland County, on right bank at upstream side of bridge on U.S. Highway 202, 2.5 mi (4.0 km) northeast of Suffern, and 4.8 mi (7.7 km) upstream from mouth.

DRAINAGE AREA.--12.3 mi² (31.9 km²).

PERIOD OF RECORD.--August 1958 to current year.

GAGE.--Water-stage recorder. Datum of gage is 321.57 ft (98.015 m) above mean sea level.

AVERAGE DISCHARGE.--17 years, 24.0 ft³/s (0.680 m³/s) (26.50 in/yr or 673.1 mm/yr).

EXTREMES.--Current year: Maximum discharge, 473 ft³/s (13.4 m³/s) July 14 (gage height, 5.23 ft or 1.594 m); minimum, 2.4 ft³/s (0.068 m³/s) Sept. 11, 12; (gage height, 1.35 ft or 0.411 m).

Period of record: Maximum discharge, 1,650 ft³/s (46.7 m³/s) May 29, 1968 (gage height, 7.78 ft or 2.371 m), from rating extended above 850 ft³/s (24.1 m³/s) on basis of contracted-opening measurement of peak flow; minimum, 0.05 ft³/s (0.001 m³/s) Oct. 20, 21, 1970, result of temporary pumping from gage pool.

REMARKS.--Records fair. Occasional regulation from unknown source.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	6.6	8.0	19	33	35	32	12	13	6.6	9.6	4.5
2	20	6.4	43	19	31	32	28	16	10	5.8	8.7	3.8
3	14	6.2	33	15	27	28	98	15	13	5.4	8.0	3.4
4	12	6.2	23	15	24	24	87	17	19	5.0	7.5	3.1
5	9.8	6.4	17	14	24	22	60	27	14	4.8	8.7	2.9
6	8.5	7.7	15	13	24	21	48	22	55	4.8	8.0	2.9
7	7.3	6.8	14	21	24	20	41	57	31	5.8	26	3.2
8	6.4	6.2	93	22	20	22	36	39	19	5.0	13	2.9
9	5.8	5.6	99	87	19	17	32	31	14	5.0	9.3	3.1
10	5.2	5.4	61	74	16	16	29	26	12	7.0	7.0	2.8
11	4.7	5.4	43	59	15	15	26	24	10	5.4	6.4	2.7
12	4.5	5.6	35	53	14	17	24	22	34	4.8	5.8	6.2
13	4.3	34	30	65	14	24	22	39	68	46	5.0	10
14	4.0	22	26	59	14	19	20	48	40	154	4.5	5.6
15	4.0	17	23	44	13	19	19	33	29	106	4.2	4.1
16	21	14	53	37	13	20	19	36	24	55	4.7	3.7
17	25	13	94	33	15	20	17	31	24	36	5.6	3.6
18	16	12	59	41	21	18	16	25	21	26	4.8	3.1
19	12	11	44	59	30	54	16	22	17	20	4.2	5.1
20	10	11	36	55	29	271	15	20	15	17	3.8	5.9
21	9.0	16	32	41	24	147	13	17	12	40	3.4	5.6
22	8.5	15	28	36	22	87	12	16	11	23	3.3	5.2
23	8.2	12	25	34	38	66	12	15	9.8	16	3.1	24
24	7.7	11	23	32	76	56	18	13	9.3	13	6.6	80
25	7.5	11	31	53	103	56	25	12	10	49	7.5	274
26	8.0	11	29	70	66	44	23	11	8.7	26	6.0	192
27	7.0	9.6	22	48	50	36	16	10	7.7	18	4.7	288
28	6.4	9.0	20	40	41	33	14	9.0	7.5	15	3.5	128
29	6.2	8.7	18	53	---	32	13	8.2	8.7	13	3.4	72
30	6.2	8.2	17	47	---	45	12	9.0	8.0	12	6.8	50
31	6.6	---	16	38	---	38	---	13	---	10	5.8	---
TOTAL	307.8	320.0	1110.0	1296	840	1354	843	695.2	574.7	760.4	208.9	1201.4
MEAN	9.93	10.7	35.8	41.8	30.0	43.7	28.1	22.4	19.2	24.5	6.74	40.0
MAX	32	34	99	87	103	271	98	57	68	154	26	288
MIN	4.0	5.4	8.0	13	13	15	12	8.2	7.5	4.8	3.1	2.7
CAL YR 1974	TOTAL	8511.6	MEAN 23.3	MAX 118	MIN 1.5							
WTR YR 1975	TOTAL	9511.4	MEAN 26.1	MAX 288	MIN 2.7							

PEAK DISCHARGE (BASE, 200 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-08	1830	4.19	244	09-25	0115	4.63	326
03-20	0015	4.83	370	09-27	0445	5.14	449
07-14	1715	5.23	473				

PASSAIC RIVER BASIN

01387500 Ramapo River near Mahwah, N. J.

LOCATION.--Lat 41°05'51", long 74°09'48", Bergen County, on left bank 350 ft (107 m) downstream from State Highway 17, 0.6 mi (1.0 km) downstream from Mahwah River, and 1.0 mi (1.6 km) west of Mahwah.

DRAINAGE AREA.--118 mi² (306 km²).

PERIOD OF RECORD.--October 1902 to December 1906, September 1922 to current year (October 1902 to February 1905 monthly discharge only, published in WSP 1302). Figures of daily discharge Feb. 10, 1903, to Dec. 31, 1904, published in WSP 97, 125, are unreliable and should not be used.

GAGE.--Water-stage recorder. Datum of gage is 253.10 ft (77.145 m) above mean sea level. Prior to Dec. 31, 1906, nonrecording gage on former bridge at site 250 ft (76 m) downstream at different datum. Sept. 1, 1922 to Dec. 23, 1936, water-stage recorder just below former bridge at present datum.

AVERAGE DISCHARGE.--57 years (1902-6, 1922-75), 228 ft³/s (6.457 m³/s), 26.24 in/yr (667 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,940 ft³/s (83.3 m³/s) Sept. 27 (gage height, 8.85 ft or 2.697 m); minimum, 33 ft³/s (0.93 m³/s) Sept. 8, 9 (gage height, 2.36 ft or 0.719 m).
 Period of record: Maximum discharge, about 12,400 ft³/s (351 m³/s) Oct. 9, 1903 (gage height, 11.0 ft or 3.35 m, from graph based on gage readings, site and datum then in use) from rating curve extended above 1,400 ft³/s (39.6 m³/s); minimum, 7 ft³/s (0.20 m³/s) Dec. 16, 1930, Sept. 12, 1932; minimum daily, 8 ft³/s (0.23 m³/s) Aug. 25, 1929, Sept. 5, 12, 1932.

REMARKS.--Records excellent. Diurnal fluctuation occasionally at low flow caused by power plants above station. Records of water quality for the current year are published in Section 2 of New Jersey report

REVISIONS (WATER YEARS).--WSP 781: 1904(M). WSP 1031: 1938, 1940. WSP 1552: 1923(M), 1924, 1925-26(M), 1927-28, 1933, 1937. WRD-NJ 1971: 1968(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	258	95	99	213	345	452	340	138	167	80	107	69
2	177	94	499	215	305	390	301	176	144	65	98	76
3	136	85	611	186	271	340	733	182	154	56	87	55
4	120	83	396	173	237	290	948	193	244	54	90	46
5	107	91	278	164	237	264	646	259	186	48	110	41
6												
7	96	98	231	152	248	246	508	240	446	44	127	38
8	88	96	207	211	239	240	429	452	351	53	273	36
9	81	103	728	223	213	248	375	398	235	53	214	34
10	70	96	1410	580	194	205	335	315	174	52	149	44
11	64	85	803	761	173	182	303	273	144	49	115	58
12												
13	60	78	553	583	170	178	279	246	124	45	99	43
14	56	79	453	580	173	203	255	246	277	44	87	89
15	55	309	396	648	188	257	231	440	568	487	83	154
16	53	278	345	670	175	224	214	952	403	1400	76	100
17	53	199	300	505	166	226	201	706	286	1430	67	72
18												
19	211	167	448	416	162	214	203	559	231	920	72	58
20	359	145	898	354	184	214	186	478	220	652	72	53
21	231	132	670	379	237	203	167	375	188	520	67	50
22	162	125	481	572	269	398	165	324	159	368	58	70
23	133	128	401	577	282	2320	156	281	139	297	52	68
24												
25	119	184	352	451	256	1730	141	244	118	550	47	67
26	107	188	309	391	242	972	127	220	99	475	46	56
27	103	155	271	352	347	733	122	193	89	306	44	224
28	99	149	250	321	789	604	180	172	83	233	99	733
29	96	149	312	426	1430	604	270	147	81	559	178	2370
30												
31	107	149	342	648	988	493	270	128	72	410	115	2080
TOTAL	3655	3989	13144	13028	9737	14341	8747	8918	5753	10163	3001	12048
MEAN	118	133	424	420	348	463	292	288	192	328	96.8	402
MAX	359	309	1410	761	1430	2320	948	952	568	1430	273	2520
MIN	53	78	99	152	162	178	122	98	68	44	44	34
CFSM	1.00	1.13	3.59	3.56	2.95	3.92	2.47	2.44	1.63	2.78	.82	3.41
IV.	1.15	1.26	4.14	4.11	3.07	4.52	2.76	2.81	1.81	3.20	.95	3.80
CAL YR 1974	TOTAL	84856	MEAN 232	MAX 1410	MIN 17	CFSM 1.97	IN 26.75					
WTR YR 1975	TOTAL	106524	MEAN 292	MAX 2520	MIN 34	CFSM 2.47	IN 33.58					

PEAK DISCHARGE (BASE, 1,400 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-09	0545						
02-25	0900	7.38	1,560	07-14	1615	8.03	2,100
03-20	1715	7.32	1,510	09-27	0345	3.85	2,940
		8.44	2,500				

01413500 EAST BRANCH DELAWARE RIVER AT MARGARETVILLE, N.Y.

LOCATION.--Lat 42°08'41", long 74°39'14", Delaware County, on right bank at downstream side of bridge on Fair Street at intersection with Main Street at Margaretville, 0.2 mi (0.3 km) upstream from unnamed tributary, and 1.6 mi (2.6 km) downstream from Dry Brook.

DRAINAGE AREA.--163 mi² (422 km²).

PERIOD OF RECORD.--February 1937 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,302.38 ft (396.965 m) above mean sea level. Prior to Sept. 9, 1937, nonrecording gage, and Sept. 9, 1937, to Aug. 17, 1944, water-stage recorder, at same datum 1.00 ft (0.305 m) higher.

AVERAGE DISCHARGE.--38 years, 300 ft³/s (8.496 m³/s) (24.99 in/yr or 634.7 mm/yr).

EXTREMES.--Current year: Maximum discharge, 9,880 ft³/s (280 m³/s) Dec. 8 (gage height, 11.30 ft or 3.444 m); minimum, 46 ft³/s (1.303 m³/s) July 19 (gage height, 2.45 ft or 0.747 m).
Period of record: Maximum discharge, 15,700 ft³/s (445 m³/s) Nov. 25, 1950 (gage height, 13.84 ft or 4.218 m), from rating curve extended above 8,700 ft³/s (246 m³/s); minimum, 5.0 ft³/s (0.14 m³/s) Aug. 5, 1964; minimum gage height, 0.89 ft (0.271 m) Sept. 30, Oct. 1, 1943, present datum.

REMARKS.--Records fair except those for winter periods, which are poor. Water-quality records for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	631	128	262	164	505	680	395	324	283	97	128	105
2	555	120	270	154	400	550	363	400	203	83	112	92
3	457	115	283	110	340	430	1660	354	189	79	100	88
4	409	154	243	151	300	360	1560	413	258	74	95	76
5	359	239	230	139	310	340	1060	490	235	68	120	72
6	316	246	210	110	300	324	827	457	535	63	92	74
7	287	221	200	136	270	300	663	905	545	61	435	68
8	262	217	4340	120	240	312	561	668	462	57	258	64
9	239	214	4090	224	220	200	490	598	515	66	192	95
10	224	207	1870	337	180	190	467	525	409	122	151	70
11	203	203	1170	598	200	190	444	476	359	68	142	63
12	200	200	905	1650	180	200	404	663	668	61	174	142
13	185	809	754	1050	170	228	354	1030	754	72	133	168
14	168	530	631	802	170	196	324	1170	576	81	117	115
15	161	520	530	625	170	170	312	846	495	81	107	100
16	235	453	481	535	178	160	300	827	435	66	142	92
17	266	409	481	450	171	160	291	647	395	57	136	88
18	200	372	417	370	171	170	291	550	320	52	115	83
19	181	341	368	439	210	283	426	486	279	48	100	90
20	174	377	333	377	192	1280	576	422	250	145	88	97
21	164	696	308	250	164	898	467	404	217	778	81	95
22	161	515	287	300	168	725	391	372	189	258	76	85
23	158	457	258	262	274	674	354	345	168	164	70	112
24	154	462	246	246	1870	685	453	308	145	174	102	151
25	154	448	246	345	3210	809	505	270	128	979	92	151
26	154	400	220	657	1810	784	435	239	115	435	74	790
27	142	359	200	417	1140	631	386	243	107	324	74	713
28	136	341	200	377	834	566	350	207	117	266	63	993
29	131	320	180	614	---	530	316	174	142	214	61	680
30	125	287	178	772	---	555	291	192	133	174	214	535
31	136	---	160	561	---	453	---	207	---	148	139	444
TOTAL	7327	10360	20551	13342	14347	14033	15716	15212	9626	5415	3983	6440
MEAN	236	345	663	430	512	453	524	491	321	175	128	215
MAX	631	809	4340	1650	3210	1280	1660	1170	754	979	435	993
MIN	125	115	160	110	164	160	291	174	107	48	61	63
CFSM	1.45	2.12	4.07	2.64	3.14	2.78	3.21	3.01	1.97	1.07	.79	1.32
IN.	1.67	2.36	4.69	3.04	3.27	3.20	3.59	3.47	2.20	1.24	.91	1.47
CAL YR 1974	TOTAL	137360	MEAN 376	MAX 4340	MIN 50	CFSM 2.31	IN 31.35					
WTR YR 1975	TOTAL	136352	MEAN 374	MAX 4340	MIN 48	CFSM 2.29	IN 31.12					

PEAK DISCHARGE (BASE, 2,800 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-08	2015	11.30	9,880	04-03	1645	7.35	3,580
02-25	0130	7.49	3,740				

01414500 MILL BROOK NEAR DUNRAVEN, N.Y.

LOCATIONS.--Lat 42°06'22", long 74°43'51", Delaware County, on left bank 0.4 mi (0.6 km) upstream from bridge on New York City Road 9 and Pepacton Reservoir, and 2.7 mi (4.3 km) southwest of Dunraven.

DRAINAGE AREA.--25.0 mi² (64.7 km²).

PERIOD OF RECORD.--February 1937 to current year. Published as "at Arena" 1937-67.

GAGE.--Water-stage recorder. Datum of gage is 1,298.54 ft (395.795 m) above mean sea level, datum of Board of Water Supply, City of New York. Prior to Oct. 17, 1939, nonrecording gage at site 0.2 mi (0.3 km) downstream at different datum. Oct. 17 to Dec. 8, 1939, nonrecording gage at present site at different datum.

AVERAGE DISCHARGE.--38 years, 55.3 ft³/s (1.566 m³/s) (30.04 in/yr or 763.0 mm/yr).

EXTREMES.--Current year: Maximum discharge, about 1,300 ft³/s (36.8 m³/s) Dec. 8; minimum, 6.5 ft³/s (0.184 m³/s) July 7, 8, 9 (gage height, 2.70 ft or 0.823 m).

Period of record: Maximum discharge, 4,500 ft³/s (127 m³/s) Sept. 21, 1938, from rating curve extended above 960 ft³/s (27.2 m³/s) on basis of velocity-area study; maximum gage height, 9.92 ft (3.024 m) Nov. 25, 1950; minimum discharge observed, 1.2 ft³/s (0.034 m³/s) Sept. 25, 26, 1939 (gage height, 0.71 ft or 0.216 m; site and datum then in use).

REMARKS.-- Records poor.

REVISIONS (WATER YEARS).--WSP 1432: 1937. WRD N.Y. 1970: 1969.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	92	32	60	30	90	105	67	78	45	14	30	65
3	75	26	60	29	82	87	62	85	45	12	22	55
4	62	24	56	29	78	78	270	80	45	10	19	50
5	53	40	48	30	74	67	277	115	62	9.3	22	45
6	45	50	41	31	68	64	193	129	55	7.9	32	40
7	37	55	50	33	60	57	145	125	122	7.2	24	42
8	35	53	70	36	54	55	111	178	115	7.2	129	35
9	32	47	360	45	52	54	92	141	92	7.2	67	35
10	28	45	500	98	48	54	82	115	90	19	55	42
11	26	45	277	72	45	50	80	98	78	26	45	35
12	24	42	188	239	42	48	75	87	70	13	42	35
13	26	40	141	270	39	46	72	141	137	8.6	45	75
14	26	221	108	193	36	47	65	257	133	12	37	70
15	35	149	90	129	33	46	60	277	101	24	35	60
16	35	122	78	95	31	47	57	199	85	24	37	53
17	35	95	78	82	30	48	57	178	78	14	55	47
18	32	85	75	72	29	47	60	129	70	12	40	45
19	26	80	65	70	28	53	62	105	57	9.3	35	42
20	26	72	57	62	27	98	133	90	53	7.9	37	42
21	26	80	53	53	26	341	149	47	50	37	45	42
22	26	158	50	60	31	204	101	75	45	153	37	40
23	28	115	47	47	43	153	85	65	42	62	35	35
24	32	98	45	42	78	125	82	60	40	40	26	42
25	35	95	42	40	372	129	125	55	37	40	35	47
26	32	90	42	95	420	158	141	50	40	80	35	188
27	35	82	42	125	270	158	111	47	30	47	26	168
28	35	78	45	85	188	115	92	53	24	40	26	188
29	24	72	37	78	133	95	85	45	26	35	19	137
30	20	67	35	122	---	85	80	45	28	32	20	105
31	20	65	32	122	---	87	72	47	20	30	125	87
TOTAL	37	---	31	98	---	75	---	42	---	37	82	---
MEAN	1100	2323	2903	2612	2507	2876	3143	3238	1915	877.6	1319	1992
MAX	35.5	77.4	93.6	84.3	89.5	92.8	105	104	63.8	28.3	42.5	66.4
MIN	92	221	500	270	420	341	277	277	137	153	129	188
CFSM	20	24	31	29	26	46	57	42	20	7.2	19	35
IN.	1.42	3.10	3.74	3.37	3.58	3.71	4.20	4.16	2.55	1.13	1.70	2.66
	1.64	3.46	4.32	3.89	3.73	4.28	4.68	4.82	2.85	1.31	1.96	2.96
CAL YR 1974	TOTAL	24511.7	MEAN	67.2	MAX	500	MIN	7.9	CFSM	2.69	IN	36.47
WTR YR 1975	TOTAL	26805.6	MEAN	73.4	MAX	500	MIN	7.2	CFSM	2.94	IN	39.89

PEAK DISCHARGE (BASE, 740 CFS)

DATE	TIME	G. H.	DISCHARGE
12-08	Unknown	Unknown	About 1,300

NOTE.--Doubtful stage-discharge relation Dec. 8, 9.

DELAWARE RIVER BASIN

01415000 TREMPER KILL NEAR ANDES, N.Y.

LOCATION.--Lat 42°07'12", long 74°49'08", Delaware County, on right bank 500 ft (152 m) upstream from bridge on County Highway 1, about 1,700 ft (518 m) upstream from Pepacton Reservoir, and 5 mi (8 km) south of Andes.

DRAINAGE AREA.--33.0 mi² (85.5 km²).

PERIOD OF RECORD.--February 1937 to current year. Published as "near Shavertown" 1937-67.

GAGE.--Water-stage recorder. Concrete control since Nov. 1937. Datum of gage is 1,285.87 ft (391.933 m) above mean sea level. Prior to Aug. 5, 1937, nonrecording gage at site 500 ft (152 m) downstream at different datum. Aug. 5 to Sept. 28, 1937, nonrecording gage at site 0.25 mi (0.40 km) downstream at different datum.

AVERAGE DISCHARGE.--38 years, 59.0 ft³/s (1.671 m³/s) (24.28 in/yr or 616.7 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,170 ft³/s (33.1 m³/s) Feb. 24 (gage height, 4.90 ft or 1.494 m); maximum gage height, 5.01 ft (1.527 m) July 20; minimum discharge, 5.8 ft³/s (0.164 m³/s) July 19.
Period of record: Maximum discharge, 4,250 ft³/s (120 m³/s) Sept. 21, 1938 (gage height, 7.12 ft or 2.170 m), from rating curve extended above 1,500 ft³/s (42.5 m³/s); minimum, 0.5 ft³/s (0.014 m³/s) Sept. 17, 21, 22, 1964.

REMARKS.--Records fair except those for winter periods and period of doubtful or no gage-height record, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	194	21	32	25	102	128	75	55	53	14	30	19
2	143	20	37	23	90	102	68	71	32	12	26	16
3	107	19	34	22	80	84	294	57	33	11	22	15
4	88	30	44	22	70	75	268	68	59	9.5	21	13
5	72	43	90	22	65	60	205	73	59	8.5	23	11
6	65	40	200	21	61	55	162	93	152	8.0	19	13
7	56	37	350	21	53	52	128	181	146	7.5	42	11
8	50	36	500	35	46	45	107	137	120	6.6	24	10
9	44	35	320	80	41	40	95	120	115	11	19	19
10	40	35	230	78	39	40	93	100	86	14	15	11
11	36	33	170	356	37	39	93	88	71	15	15	9.5
12	33	35	130	330	35	35	86	149	184	9.0	16	41
13	31	102	110	237	33	44	75	155	168	11	13	34
14	29	55	100	166	31	35	71	137	131	13	11	23
15	29	61	90	130	29	31	71	117	107	11	9.5	20
16	55	44	80	92	29	30	68	143	91	10	24	19
17	47	36	74	84	28	32	66	105	75	11	18	18
18	35	33	68	78	28	35	66	93	59	8.0	13	16
19	31	29	61	70	28	79	86	82	53	6.6	10	20
20	31	38	55	62	28	303	93	68	44	131	8.5	20
21	30	90	52	58	28	216	79	73	35	439	8.0	28
22	29	80	49	54	32	171	66	57	29	134	7.1	20
23	29	60	40	54	54	149	59	52	26	86	6.6	44
24	26	56	38	58	519	165	75	44	22	110	17	52
25	29	48	36	110	718	178	68	37	20	281	12	378
26	29	42	33	169	357	171	59	32	17	131	9.0	281
27	25	37	30	105	224	134	55	41	15	95	11	247
28	24	33	28	100	162	115	50	29	20	75	7.5	175
29	22	30	26	162	---	102	47	23	22	55	8.0	131
30	20	28	26	153	---	110	44	30	23	44	59	100
31	23	---	26	118	---	86	---	30	---	35	27	---
TOTAL	1502	1286	3159	3095	3047	2941	2872	2540	2067	1812.7	551.2	1814.5
MEAN	48.5	42.9	102	99.8	109	94.9	95.7	81.9	68.9	58.5	17.8	60.5
MAX	194	102	500	356	718	303	294	181	184	439	59	378
MIN	20	19	26	21	28	30	44	23	15	6.6	6.6	9.5
CFSM	1.47	1.30	3.09	3.02	3.30	2.88	2.90	2.48	2.09	1.77	.54	1.83
IN.	1.69	1.45	3.56	3.49	3.43	3.32	3.24	2.86	2.33	2.04	.62	2.05
CAL YR 1974	TOTAL	25198.1	MEAN	69.0	MAX	564	MIN	6.6	CFSM	2.09	IN	28.40
WTR YR 1975	TOTAL	26687.4	MEAN	73.1	MAX	718	MIN	6.6	CFSM	2.22	IN	30.08

PEAK DISCHARGE (BASE, 700 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-08	Unknown	Unknown	About 700	07-25	0015	4.70	857
02-24	2400	4.90	1,170	09-25	0945	4.68	840
07-20	2345	5.01	1,140				

NOTE.--Doubtful or no gage-height record Nov. 6 to Dec. 18.

DELAWARE RIVER BASIN

01417000 EAST BRANCH DELAWARE RIVER AT DOWNSVILLE, N.Y.

LOCATION.--Lat 42°04'30", long 74°58'36", Delaware County, on left bank 0.5 mi (0.8 km) downstream from Downs ville Dam, at downstream end of outlet channel of Pepacton Reservoir, and 1.0 mi (1.6 km) east of Downs ville.

DRAINAGE AREA.--371 mi² (961 km²).

PERIOD OF RECORD.--July 1941 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 1,094.92 ft (333.731 m) above mean sea level (Board of Water Supply, City of New York datum). Prior to Sept. 26, 1941, nonrecording gage, and Sept. 26, 1941, to June 27, 1955, water-stage recorder at site 0.8 mi (1.3 km) downstream at datum 7.03 ft (2.143 m) lower.

EXTREMES.--Current year: Maximum discharge, 5,100 ft³/s (144 m³/s) Feb. 25 (gage height, 6.65 ft or 2.027 m); minimum daily, 7.0 ft³/s (0.198 m³/s) Nov. 2, 3.

Period of record: Maximum discharge, 23,900 ft³/s (677 m³/s) Nov. 26, 1950 (gage height, 14.52 ft or 4.426 m, site and datum then in use), from rating curve extended above 12,000 ft³/s (340 m³/s); minimum, 0.3 ft³/s (0.008 m³/s) Oct. 11, 1954; minimum daily, 0.6 ft³/s (0.017 m³/s) Oct. 10, 1954; minimum gage height, 1.39 ft (0.424 m) Jan. 17, 1964.
Maximum stage known, about 16 ft (5 m) Oct. 9, 1903 (at former datum).

REMARKS.--Records good. Subsequent to September 1954, entire flow from drainage area controlled by Pepacton Reservoir (see Delaware River basin, reservoirs in). Part of flow diverted for New York City municipal supply (see Delaware River basin, reservoirs in). Remainder of flow (except for conservation releases and spill) impounded for release during periods of low flow in the lower Delaware River basin, as directed by the Delaware River Master. Water-quality records for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	19	12	7.2	7.5	493	1280	513	80	18	18	19	19
3	19	7.0	7.5	7.5	410	885	343	138	18	18	19	19
4	18	7.0	7.5	7.5	304	612	1160	155	18	18	19	19
5	18	7.5	7.2	7.5	194	387	3590	198	18	18	19	19
	18	7.8	7.2	7.5	162	268	3220	317	19	18	19	19
6												
7	18	7.8	7.2	7.2	138	190	2480	365	19	18	19	19
8	18	7.8	7.2	7.5	86	134	1830	1010	75	18	19	19
9	18	7.8	10	7.5	27	102	1290	1120	304	18	19	19
10	18	7.8	8.8	8.3	11	34	940	969	483	19	19	19
	18	7.5	8.5	7.7	7.5	11	782	782	586	19	19	19
11												
12	18	7.5	8.3	8.3	7.5	7.7	699	600	506	19	19	19
13	18	7.8	8.3	8.3	7.5	7.7	624	686	867	18	19	20
14	18	8.5	8.0	8.3	7.5	7.7	636	1460	1710	18	19	19
15	18	8.0	8.0	8.3	7.5	13	636	2330	1700	19	19	19
	18	8.0	7.7	8.3	7.5	8.8	365	2260	1510	19	19	19
16												
17	19	8.0	8.3	8.0	7.5	7.5	231	2120	1290	19	19	20
18	18	8.0	8.3	8.0	7.5	7.5	166	1810	1070	18	19	18
19	18	8.0	8.0	8.0	7.5	9.1	134	1530	646	18	19	18
20	18	7.8	9.1	8.3	7.7	8.5	170	1220	425	18	20	19
	18	8.2	7.2	8.0	7.5	131	350	807	223	20	19	18
21												
22	18	8.2	7.7	8.0	7.5	1350	419	641	87	20	19	19
23	18	7.8	7.7	8.0	7.5	1890	357	381	24	19	19	18
24	19	8.0	7.5	9.4	8.0	1870	274	261	18	19	19	19
25	18	8.0	7.7	7.7	19	1740	280	195	18	20	19	19
	18	12	7.7	8.3	3690	1560	365	104	18	19	19	20
26												
27	18	7.5	7.5	8.3	4510	1540	343	29	18	19	19	19
28	18	7.5	7.5	8.0	2990	1350	280	18	18	19	19	19
29	18	7.2	7.5	8.0	1850	1120	216	18	18	19	19	19
30	18	7.2	7.5	8.8	---	984	162	18	18	19	19	19
31	18	7.2	7.5	252	---	926	102	18	18	19	20	19
	18	---	7.5	473	---	807	---	19	---	19	19	---
TOTAL												
MEAN	562	240.4	242.8	957.0	14989.7	19248.5	22957	21659	11760	579	591	569
MAX	18.1	8.01	7.83	30.9	535	621	765	699	392	18.7	19.1	19.0
MIN	19	12	10	473	4510	1890	3590	2330	1710	20	20	20
	18	7.0	7.2	7.2	7.5	7.5	102	18	18	18	19	18
CAL YR 1974	TOTAL	62090.3	MEAN 170	MAX 3580	MIN 7.0							
WTR YR 1975	TOTAL	94355.4	MEAN 259	MAX 4510	MIN 7.0							

01420000 LITTLE BEAVER KILL NEAR LIVINGSTON MANOR, N.Y.

LOCATION.--Lat 41°52'23", long 74°47'52", Sullivan County, on right bank 100 ft (30 m) downstream from private bridge, 0.2 mi (0.3 km) west from interchange 97 on U.S. highway 17, 2.5 mi (4.0 km) southeast of Livingston Manor, and 3 mi (5 km) upstream from Cattail Brook.

DRAINAGE AREA.--19.8 mi² (51.3 km²).

PERIOD OF RECORD.--July 1924 to current year.

GAGE.--Water-stage recorder. Concrete control since November 1933. Datum of gage is 1,496.69 ft (456.191 m) above mean sea level. Prior to Dec. 9, 1939, nonrecording gage.

AVERAGE DISCHARGE.--51 years, 44.6 ft³/s (1.263 m³/s) (30.59 in/yr or 777.0 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,040 ft³/s (57.8 m³/s) July 20 (gage height, 6.14 ft or 1.871 m); minimum 10 ft³/s (0.28 m³/s) Aug. 23, 24; minimum gage height, 1.53 ft (0.466 m) July 7, 8, 9.

Period of record: Maximum discharge, 3,420 ft³/s (96.9 m³/s) Aug. 26, 1928 (gage height, 8.7 ft or 2.65 m, from floodmarks), from rating curve extended above 1,700 ft³/s (48.1 m³/s); minimum, 0.9 ft³/s (0.025 m³/s) July 10, 1962; minimum gage height, 1.23 ft (0.375 m) Aug. 1, 3, 5, 1936.

REMARKS.--Records fair. Some diversion from Lily Pond for village of Liberty water supply.

REVISIONS (WATER YEARS).--WSP 1302: 1930(M), 1933(M), 1936-37(M), 1942-46(M). WSP 1432: 1928(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	74	18	30	21	53	69	54	26	33	16	18	45
2	53	17	53	20	47	57	57	39	26	14	17	35
3	46	15	50	19	45	48	412	34	30	14	15	30
4	38	24	39	19	43	45	201	78	55	14	15	25
5	31	70	34	17	45	38	107	99	71	12	16	22
6	29	65	29	17	38	35	80	83	265	12	17	26
7	26	45	27	17	36	34	63	234	156	11	82	23
8	22	35	720	18	35	42	52	97	78	11	35	21
9	21	31	434	112	35	37	48	68	58	39	25	30
10	20	27	175	87	34	32	45	54	43	49	22	21
11	19	25	119	183	33	28	43	45	34	21	19	21
12	17	30	91	198	32	30	40	75	190	16	19	35
13	16	249	76	119	31	44	36	140	204	26	17	33
14	17	98	65	76	30	38	34	101	85	41	16	26
15	16	74	55	64	27	33	35	65	60	49	14	23
16	40	58	52	54	25	38	38	71	52	36	23	21
17	50	52	53	52	22	38	44	55	54	24	21	20
18	33	47	46	50	22	41	47	47	41	22	18	19
19	25	43	42	47	24	213	60	43	33	19	14	33
20	22	67	37	39	22	652	54	36	27	540	13	38
21	21	137	34	37	20	213	41	32	22	429	12	31
22	19	82	33	32	24	121	34	31	19	125	11	27
23	18	60	29	29	38	107	31	31	19	69	11	40
24	17	53	29	27	500	135	48	23	17	55	36	75
25	20	55	31	87	551	175	51	21	15	105	28	265
26	22	47	26	169	204	143	40	21	14	58	21	169
27	20	45	25	82	118	87	33	21	14	41	23	181
28	17	38	25	60	85	75	30	18	16	33	17	93
29	17	35	22	76	---	57	26	15	40	26	14	66
30	17	33	22	96	---	73	24	21	21	22	224	52
31	20	---	21	65	---	62	---	27	---	21	76	---
TOTAL	823	1675	2524	1989	2219	2840	1908	1751	1792	1970	909	1546
MEAN	26.5	55.8	81.4	64.2	79.3	91.6	63.6	56.5	59.7	63.5	29.3	51.5
MAX	74	249	720	198	551	552	412	234	265	540	224	265
MIN	16	15	21	17	20	28	24	15	14	11	11	19
CFSM	1.34	2.82	4.11	3.24	4.01	4.63	3.21	2.85	3.02	3.21	1.48	2.60
IN.	1.55	3.15	4.74	3.74	4.17	5.34	3.58	3.29	3.37	3.70	1.71	2.90
CAL YR 1974	TOTAL	20352.5	MEAN	55.8	MAX	720	MIN	7.2	CFSM	2.82	IN	38.24
WTR YR 1975	TOTAL	21946.0	MEAN	60.1	MAX	720	MIN	11	CFSM	3.04	IN	41.23

PEAK DISCHARGE (BASE, 730 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-08	1730	5.56	1,790	04-03	1415	4.48	1,040
02-24	2230	4.25	1,020	07-20	1745	6.14	2,040
03-20	0215	4.26	922				

01420500 BEAVER KILL AT COOKS FALLS, N.Y.

LOCATION.--Lat 41°56'47", long 74°58'48", Delaware County, on left bank 125 ft (38 m) downstream from road bridge in Cooks Falls, and 5.5 mi (8.8 km) downstream from Willowemoc Creek.

DRAINAGE AREA.--241 mi² (624 km²).

PERIOD OF RECORD.--July 1913 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,151.70 ft (351.038 m) above mean sea level. Prior to Oct. 1, 1933, nonrecording gage at site 125 ft (38 m) upstream at same datum.

AVERAGE DISCHARGE.--61 years, 554 ft³/s (15.69 m³/s) (31.22 in/yr or 793.0 mm/yr).

EXTREMES.--Current year: Maximum discharge, 17,200 ft³/s (487 m³/s) Dec. 8 (gage height, 12.68 ft or 3.865 m); minimum, 117 ft³/s (3.31 m³/s) Aug. 24 (gage height 1.28 ft or 0.390 m).

Period of record: Maximum discharge, 31,600 ft³/s (895 m³/s) Mar. 31, 1951 (gage height, 16.02 ft or 4.883 m), from rating curve extended above 13,000 ft³/s (368 m³/s) on basis of slope-area measurement at gage height 15.52 ft (4.730 m); minimum, 16 ft³/s (0.45 m³/s) Nov. 22, 23, 1964.

REMARKS.--Records good except those for winter periods, which are fair. Water-quality records for the current year are published in Section 2 of this report.

REVISIONS (WATER YEARS).--WSP 521: Drainage area. WSP 781: 1933(M). WSP 891: 1936-39(M). WSP 1202: 1950. WSP 1232: 1950(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	1270	271	450	300	680	1110	835	536	490	226	184	674
3	960	252	631	277	580	800	856	640	430	204	171	527
4	763	236	659	180	520	700	3520	608	399	190	160	453
5	643	325	500	180	480	600	3260	838	745	184	156	383
6	564	689	450	180	480	560	1900	1400	702	167	157	335
7	509	721	420	190	460	560	1430	1060	2290	158	151	377
8	463	611	400	200	360	523	1150	2190	2060	151	552	352
9	418	546	6820	230	330	604	975	1450	1300	146	345	299
10	385	505	6030	872	300	440	851	1160	1020	158	238	378
	354	469	2390	855	280	430	789	974	806	328	202	289
11												
12	331	441	1580	1540	270	420	762	845	660	193	181	246
13	303	435	1240	2330	260	410	723	1140	1630	160	166	394
14	285	2170	1030	1560	260	400	662	2410	2380	182	156	476
15	268	1350	893	1000	250	390	606	2620	1470	281	153	376
	260	1090	772	800	250	400	603	1690	1120	320	140	322
16												
17	351	888	721	700	240	400	595	1510	915	262	211	302
18	536	767	721	560	240	425	654	1200	827	198	247	286
19	412	698	635	490	240	452	730	1020	674	173	193	265
20	346	627	568	450	240	497	973	880	577	154	164	303
	322	707	526	400	250	5100	1190	750	511	708	143	384
21												
22	300	1380	479	380	260	3800	907	660	445	1860	135	348
23	283	1090	454	450	270	2060	737	592	401	741	131	294
24	277	872	420	400	330	1640	668	587	365	458	123	317
25	268	801	406	360	3180	1670	870	516	336	353	248	538
	274	806	418	500	6750	2040	1070	468	303	582	264	2710
26												
27	312	716	378	1540	3110	2110	880	422	273	444	185	2080
28	280	600	340	800	1860	1300	745	392	253	347	201	2300
29	257	587	346	720	1360	1100	672	356	269	291	163	1490
30	246	557	300	835	---	1050	616	317	416	245	151	1110
31	236	512	312	1150	---	1090	560	357	283	215	2390	857
	280	---	280	800	---	984	---	420	---	200	1190	---
TOTAL	12756	21719	31569	21229	24090	34065	30789	30008	24350	10279	9251	19465
MEAN	411	724	1018	685	860	1099	1026	968	812	332	298	649
MAX	1270	2170	6820	2330	6750	5100	3520	2620	2380	1860	2390	2710
MIN	236	236	280	180	240	390	560	317	253	146	123	246
CFSM	1.71	3.00	4.22	2.84	3.57	4.56	4.26	4.02	3.37	1.38	1.24	2.69
IN.	1.97	3.35	4.87	3.28	3.72	5.26	4.75	4.63	3.76	1.59	1.43	3.00

CAL YR 1974	TOTAL	246609	MEAN	676	MAX	6820	MIN	90	CFSM	2.81	IN	38.07
WTR YR 1975	TOTAL	269570	MEAN	739	MAX	6820	MIN	123	CFSM	3.07	IN	41.61

PEAK DISCHARGE (BASE, 4,700 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-08	2145	12.68	17,200	04-03	1745	9.20	7,900
02-25	0415	9.43	8,360	08-30	1045	7.45	4,720
03-20	1845	8.70	6,900				

DELAWARE RIVER BASIN

01421000 EAST BRANCH DELAWARE RIVER AT FISHS EDDY, N.Y.

LOCATION.--Lat 41°58'23", long 75°10'28", Delaware County, on left bank 3,000 ft (914 m) upstream from bridge on County highway 28 at Fishs Eddy, 0.6 mi (1.0 km) upstream from Fish Creek, 4.2 mi (6.8 km) downstream from Beaver Kill, and 11 mi (18 km) upstream from the confluence of East and West Branches near Hancock.

DRAINAGE AREA.--783 mi² (2,028 km²).

PERIOD OF RECORD.--October 1912 to current year. Monthly discharge only for some periods, published in WSP 1302.

GAGE.--Water-stage recorder. Datum of gage is 955.96 ft (291.377 m) above mean sea level. Prior to Sept. 27, 1928, nonrecording gage and Sept. 28, 1928 to Nov. 1, 1967, water-stage recorder at site 3,000 ft (914 m) downstream at datum 5.0 ft (1.52 m) lower.

EXTREMES.--Current year: Maximum discharge, 20,900 ft³/s (592 m³/s) Dec. 8 (gage height, 11.03 ft or 3.362 m); minimum, 201 ft³/s (5.69 m³/s) Aug. 24 (gage height, 3.17 ft or 0.966 m).

Period of record: Maximum discharge, 53,300 ft³/s (1,510 m³/s) Aug. 24, 1933 (gage height, 20.60 ft or 6.279 m at former site and datum), from rating curve extended above 22,000 ft³/s (623 m³/s); minimum, 52 ft³/s (1.47 m³/s) July 23, 1964 (gage height, 1.16 ft or 0.354 m at former site and datum); minimum daily, 68 ft³/s (1.93 m³/s) Aug. 28, 1949.

Flood of Oct. 9, 1903, reached a stage of 23.6 ft (7.19 m) at former site and datum, from description obtained in April, 1939, from local residents who had experienced the flood (discharge, about 70,000 ft³/s or 1,980 m³/s, from rating curve extended above 22,000 ft³/s or 623 m³/s).

REMARKS.--Records good except those for winter periods, which are fair. Subsequent to September 1954, entire flow from 371 mi² (961 km²) of drainage area controlled by Pepacton Reservoir (see Delaware River basin, reservoirs in). Part of flow diverted for municipal supply of City of New York. Remainder of flow (except for conservation releases and spill) impounded for release during periods of low flow in the lower Delaware River basin, as directed by the Delaware River Master. Water-quality records for current year are published in Section 2 of this report.

REVISIONS.--WSP 756: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2050	402	736	460	1910	3250	1960	944	772	382	296	1090
2	1540	378	860	380	1700	2550	1760	1070	673	330	280	846
3	1220	355	945	300	1530	2070	4610	1120	594	310	263	700
4	1010	438	781	380	1200	1670	7460	1270	1090	300	254	586
5	880	850	640	380	1100	1420	5840	2280	989	280	259	510
6	772	978	620	300	1150	1240	4680	1980	3010	268	246	531
7	692	880	600	370	1000	1070	3760	4400	3230	254	577	524
8	628	800	7320	360	760	1160	2950	3760	2380	242	488	448
9	571	754	9890	900	700	820	2420	3090	2100	242	352	531
10	529	692	4110	1560	490	760	2150	2550	1910	448	296	454
11	487	652	2830	2240	540	772	2010	2150	1650	320	276	389
12	456	636	2150	4310	500	710	1880	2330	3050	268	254	503
13	426	2700	1800	3010	470	782	1730	4310	5090	268	246	761
14	402	2130	1560	2190	480	793	1730	5460	4090	358	238	577
15	390	1780	1360	1600	540	680	1490	4590	3370	430	226	496
16	462	1460	1270	1400	540	620	1300	4310	2810	412	305	460
17	745	1250	1330	1100	540	682	1260	3730	2490	346	418	442
18	592	1110	1160	940	520	720	1320	3190	1890	288	305	412
19	508	989	1010	1100	500	955	1540	2770	1480	259	268	436
20	474	1050	933	840	520	7750	2030	2190	1190	546	238	538
21	456	1880	835	600	500	5770	1880	1800	889	2970	222	531
22	432	1710	782	840	488	4750	1620	1490	691	1390	214	467
23	426	1430	710	760	620	4290	1420	1300	577	846	207	577
24	414	1310	673	680	4520	4180	1510	1110	524	620	315	812
25	426	1290	640	800	11800	4540	1880	922	467	857	430	4150
26	462	1160	580	2360	8990	4640	1680	751	430	710	300	3890
27	432	1020	540	1650	5950	3500	1480	664	401	538	296	3670
28	402	956	540	1400	4200	3000	1330	594	395	454	268	2570
29	384	890	500	1420	---	2740	1190	517	531	395	242	1960
30	372	800	503	2030	---	2620	1030	524	454	346	2910	1560
31	396	---	450	1980	---	2420	---	647	---	315	1860	---
TOTAL	19436	32730	48658	38640	53758	72924	68900	67813	49217	15992	13349	31421
MEAN	627	1091	1570	1246	1920	2352	2297	2188	1641	516	431	1047
MAX	2050	2700	9890	4310	11800	7750	7460	5460	5090	2970	2910	4150
MIN	372	355	450	300	470	620	1030	517	395	242	207	389
CAL YR 1974	TOTAL	418446	MEAN	1146	MAX	9890	MIN	140				
WTR YR 1975	TOTAL	512838	MEAN	1405	MAX	11800	MIN	207				

DELAWARE RIVER BASIN

01423000 WEST BRANCH DELAWARE RIVER AT WALTON, N.Y.

LOCATION.--Lat 42°09'58", long 75°08'26", Delaware County, on left bank at west end of fairgrounds at Walton, 100 ft (30 m) downstream from West Brook.

DRAINAGE AREA.--331 mi² (857 km²).

PERIOD OF RECORD.--October 1950 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,190.30 ft (362.803 m) above mean sea level.

AVERAGE DISCHARGE.--25 years, 568 ft³/s (16.09 m³/s) (23.30 in/yr or 591.8 mm/yr).

EXTREMES.--Current year: Maximum discharge: 10,200 ft³/s (289 m³/s) Feb. 25 (gage height, 11.49 ft or 3.502 m); minimum, 66 ft³/s (1.87 m³/s) Jul. 19 (gage height, 2.65 ft or 0.808 m).
 Period of record: Maximum discharge, 15,800 ft³/s (447 m³/s) Mar. 5, 1964 (gage height, 13.66 ft or 4.164 m); minimum, 12 ft³/s (0.34 m³/s) Sept. 15, Nov. 22, 1964; minimum gage height, 1.86 ft (0.567 m) Nov. 22, 1964.

REMARKS.--Records good except those for winter periods, which are fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1350	212	540	321	1050	1430	776	480	373	141	165	153
2	1310	201	553	280	800	1120	691	750	310	121	148	138
3	1050	191	558	240	660	936	2550	622	272	112	134	132
4	924	247	410	280	560	700	3230	701	390	106	129	118
5	786	451	360	280	600	640	2090	917	344	99	172	107
6	680	540	350	220	614	622	1660	959	818	92	145	111
7	603	463	370	250	545	577	1350	2890	975	88	278	109
8	544	419	4300	240	400	738	1150	1770	762	83	269	100
9	491	408	5720	763	440	410	997	1410	723	88	185	126
10	447	394	2870	982	320	390	938	1160	599	113	148	111
11	408	384	1970	3000	320	380	959	981	490	101	142	97
12	373	380	1570	3680	300	416	934	1090	775	87	231	170
13	352	2120	1380	2350	340	485	821	1300	819	82	169	264
14	324	1340	1150	1690	270	434	739	1140	598	101	137	182
15	310	1310	953	1280	280	340	772	916	517	98	119	150
16	384	1090	897	980	290	330	741	1190	470	87	195	136
17	576	954	947	760	290	370	719	941	460	85	175	130
18	394	846	792	680	280	400	699	816	389	76	142	123
19	338	747	672	822	300	520	809	759	369	70	120	143
20	317	900	607	540	320	2550	863	663	337	253	107	163
21	701	1720	546	450	300	2030	803	615	284	1160	99	436
22	286	1300	519	520	320	1580	681	579	248	393	93	325
23	283	1110	464	480	560	1500	606	557	226	252	88	459
24	274	1110	452	440	4520	1440	702	512	209	222	163	562
25	268	1120	449	704	8840	1880	732	414	187	1160	152	2690
26	283	954	408	1840	4230	1570	617	361	168	499	118	2520
27	259	700	350	1000	2490	1230	555	396	157	363	111	2660
28	242	758	378	843	1750	1100	526	338	153	310	97	1590
29	228	695	335	1220	---	1050	491	288	167	258	91	1200
30	220	616	346	1960	---	1080	449	292	173	215	232	936
31	217	---	290	1190	---	908	---	321	---	185	218	---
TOTAL	14822	23680	31506	30285	31989	29156	29650	26128	12762	7100	4772	16141
MEAN	478	789	1016	977	1142	941	988	843	425	229	154	538
MAX	1350	2120	5720	3680	8840	2550	3230	2890	975	1160	278	2690
MIN	217	191	290	220	270	330	449	288	153	70	88	97
CFSM	1.44	2.38	3.07	2.95	3.45	2.84	2.98	2.55	1.28	.69	.47	1.63
IN.	1.67	2.66	3.54	3.40	3.60	3.28	3.33	2.94	1.43	.80	.54	1.81
CAL YR 1974	TOTAL	251072	MEAN 688	MAX 5720	MIN 89	CFSM 2.08	IN 28.22					
WTR YR 1975	TOTAL	257991	MEAN 707	MAX 8840	MIN 70	CFSM 2.14	IN 28.99					

PEAK DISCHARGE (BASE, 4,600 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-08							
01-11	2115	10.31	7,750	02-25	0715	11.49	10,200
	2215	9.18	5,620	04-03	2115	8.84	5,090

DELAWARE RIVER BASIN

01425000 WEST BRANCH DELAWARE RIVER AT STILESVILLE, N.Y.

LOCATION.--Lat 42°04'29", long 75°23'47", Delaware County, on right bank at Stilesville, 0.5 mi (0.8 km) upstream from Cold Spring Creek, 1.4 mi (2.3 km) downstream from Cannonsville Dam, and 2.0 mi (3.2 km) northeast of Deposit.

DRAINAGE AREA.--456 mi² (1,181 km²).

PERIOD OF RECORD.--July 1952 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 992.23 ft (302.432 m) above mean sea level (levels by Board of Water Supply, City of New York). Prior to Oct. 1, 1964, at site 600 ft (183 m) downstream at datum 1.37 ft (0.418 m) higher.

EXTREMES.--Current year: Maximum discharge, 7,660 ft³/s (217 m³/s) Feb. 26 (gage height, 10.99 ft or 3.350 m); minimum daily, 26 ft³/s (0.74 m³/s) Sept. 10; minimum gage height, 3.63 ft (1.106 m) Sept. 9.

Period of record: Maximum discharge, 17,500 ft³/s (496 m³/s) Jan. 22, 1959 (gage height, 9.01 ft or 2.746 m, site and datum then in use); minimum daily 7.2 ft³/s (0.20 m³/s) Feb. 8, 1966.

REMARKS.--Records fair, except those below 100 ft³/s (2.83 m³/s), which are poor. Subsequent to October 1963, entire flow from 454 mi² (1,176 km²) of drainage area controlled by Cannonsville Reservoir (see Delaware River basin, reservoirs in). Part of flow diverted for New York City municipal supply (see Delaware river basin, reservoirs in). Remainder of flow (except for conservation releases and spill) impounded for release during period of low flow in the lower Delaware River basin, as directed by the Delaware River Master. Records of water-quality data for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1540	381	810	256	1610	3020	1260	394	353	148	716	28
2	1500	90	760	305	1450	2380	1150	500	340	118	751	28
3	1370	168	670	316	1210	1880	1340	624	291	447	748	27
4	1210	129	592	327	840	1280	2830	730	277	525	502	27
5	1090	182	490	344	780	994	3020	869	278	486	591	27
6	972	269	416	297	840	958	2700	918	298	204	473	27
7	870	305	409	175	840	902	2320	1760	573	48	50	27
8	790	310	1290	171	770	924	1990	2330	794	236	29	27
9	720	344	4530	301	730	842	1660	2240	873	436	177	27
10	650	395	4300	730	630	683	1480	1990	870	445	32	26
11	592	430	3450	1260	344	436	1370	1730	798	568	27	75
12	540	416	2830	3120	305	436	1290	1610	847	426	101	524
13	506	790	2370	3320	355	494	1200	1650	987	356	293	355
14	456	1220	2000	2570	381	534	1120	1590	963	104	490	89
15	423	1360	1720	2120	388	560	1080	1450	882	40	924	28
16	447	1370	1430	1840	423	534	1020	1450	797	28	790	27
17	515	1320	1130	1570	439	479	982	1440	734	27	273	27
18	524	1180	1090	1290	456	320	947	1290	664	80	333	104
19	481	1010	1060	1180	416	389	970	1210	624	212	395	402
20	438	960	996	1060	481	1060	1030	1070	558	51	583	416
21	402	1130	924	700	498	2250	1060	980	494	42	650	98
22	374	1410	870	640	481	2380	976	906	433	59	1150	29
23	354	1370	760	680	515	2270	856	854	390	120	1190	31
24	367	1370	481	680	912	2120	805	793	368	167	680	31
25	430	1340	507	730	4560	2250	821	704	332	328	409	74
26	301	1210	549	1260	7340	2230	812	614	296	492	192	1090
27	301	1050	532	1410	5620	2050	806	577	256	471	175	2500
28	349	972	532	1050	4070	1800	751	494	234	432	630	2660
29	215	912	515	1090	---	1620	650	389	312	391	790	2280
30	180	850	464	1640	---	1520	413	320	192	353	515	1900
31	198	---	244	1730	---	1450	---	310	---	300	40	---
TOTAL	19105	24243	38721	34162	37684	41045	38709	33786	16108	8140	14699	13011
MEAN	616	808	1249	1102	1346	1324	1290	1090	537	263	474	434
MAX	1540	1410	4530	3320	7340	3020	3020	2330	987	568	1190	2660
MIN	180	90	244	171	305	320	413	310	192	27	27	26
CAL YR 1974	TOTAL	295290	MEAN 809	MAX 4530	MIN 27							
WTR YR 1975	TOTAL	319413	MEAN 875	MAX 7340	MIN 26							

01425675 OQUAGA CREEK NEAR NORTH SANFORD, N.Y.

LOCATION.--Lat 42°10'28", long 75°26'25", Broome County, on left bank 20 ft (6 m) downstream from culvert on North Sanford Road, 0.2 mi (0.3 km) upstream from outlet of Stilson Pond, 1.5 mi (2.4 km) north of North Sanford, and 4.1 mi (6.6 km) upstream from Dry Brook.

DRAINAGE AREA.--4.71 mi² (12.2 km²).

PERIOD OF RECORD.--October 1969 to current year.

GAGE.--Water-stage recorder and concrete control. Altitude of gage is 1,480 ft (451 m) (from topographic map).

AVERAGE DISCHARGE.--6 years, 8.90 ft³/s (0.252 m³/s) (25.66 in/yr or 651.8 mm/yr).

EXTREMES.--Current year: Maximum discharge, 210 ft³/s (5.95 m³/s) Feb. 24 (gage height, 2.45 ft or 0.747 m); minimum, 0.28 ft³/s (0.008 m³/s) Sept. 4-6; minimum gage height, 0.37 ft (0.113 m) May 28, July 2, 3.

Period of record: Maximum discharge, 218 ft³/s (6.17 m³/s) Nov. 9, 1972 (gage height, 2.49 ft or 0.759 m); maximum gage height, 2.71 ft (0.826 m) Feb. 14, 1971 (backwater from ice); minimum discharge, 0.08 ft³/s (0.002 m³/s) Oct. 2, 1969.

REMARKS.--Records fair except those for winter periods, which are poor. Water-quality records for the current year are published in Section 2 of this report.

REVISIONS (WATER YEARS).--WRD N.Y. 1971: 1970.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.9	1.4	5.6	4.5	9.8	13	9.7	7.2	8.6	.94	.62	6.1
2	4.9	1.4	5.5	2.3	9.2	12	8.6	12	4.9	.82	.55	6.1
3	4.2	1.3	5.2	3.7	9.0	9.0	7.1	8.6	4.7	.94	.48	5.1
4	3.7	3.0	5.2	3.5	9.4	8.0	33	15	8.2	1.0	1.2	2.2
5	3.3	9.7	6.0	3.0	10	7.0	23	13	8.6	1.4	1.7	.28
6	3.0	11	5.6	5.4	6.2	5.4	17	27	32	1.3	1.0	.35
7	2.6	8.3	3.5	6.2	6.2	6.0	13	42	24	1.1	6.8	.31
8	2.6	6.5	50	8.3	6.0	7.0	11	21	16	1.0	5.1	.39
9	2.6	5.7	39	23	5.8	7.4	11	16	13	1.3	2.0	.43
10	2.0	5.2	22	15	5.6	7.8	12	13	8.6	1.9	1.3	.43
11	1.9	4.7	15	66	5.4	6.0	11	15	6.5	1.4	1.5	.43
12	1.7	6.5	13	39	5.4	4.9	9.3	16	14	1.1	1.3	.81
13	1.6	37	11	22	5.2	7.2	8.3	15	17	1.2	1.2	.71
14	1.7	16	10	20	5.2	8.6	7.6	12	11	1.9	1.5	.71
15	1.9	15	8.3	19	4.7	6.2	7.2	10	6.8	1.9	1.2	.71
16	4.7	12	9.0	17	3.9	8.6	7.2	13	7.6	3.9	13	.62
17	5.2	10	11	15	3.3	7.6	7.2	9.3	6.8	3.0	8.9	.62
18	3.3	9.3	8.3	13	3.5	8.6	7.6	7.9	5.2	1.7	4.5	.62
19	3.0	8.3	6.5	11	5.5	16	9.7	6.5	4.7	1.6	2.9	.81
20	2.6	14	6.0	9.0	4.7	62	8.6	5.7	4.2	15	2.2	.71
21	2.2	21	5.6	13	4.5	30	6.9	5.2	3.3	20	1.8	2.4
22	2.0	14	5.2	8.0	5.2	23	5.7	6.5	2.8	13	1.7	1.5
23	2.0	11	5.0	5.6	8.0	21	5.2	14	2.2	3.2	1.3	2.2
24	2.0	11	4.7	5.0	70	24	9.3	6.2	2.0	2.5	10	2.7
25	2.0	12	4.4	10	98	29	8.6	4.7	1.6	4.8	5.8	9.8
26	1.9	10	4.2	22	36	21	6.9	3.9	1.4	2.5	4.0	25
27	1.7	14	4.0	11	24	18	6.0	6.0	1.3	1.8	7.2	60
28	1.5	7.6	3.7	10	17	16	5.5	3.5	1.6	1.8	4.0	58
29	1.4	6.9	3.7	17	---	11	5.2	3.0	1.5	1.3	4.0	19
30	1.4	6.0	3.1	17	---	11	4.7	3.7	1.2	1.2	16	1.5
31	1.5	---	3.5	11	---	10	---	5.7	---	1.0	9.3	---
TOTAL MEAN	80.0	299.8	292.8	435.5	386.7	432.3	357.0	347.6	231.3	97.50	124.05	210.54
MAX	2.58	9.99	9.45	14.0	13.8	13.9	11.9	11.2	7.71	3.15	4.00	7.02
MIN	5.2	37	50	66	98	62	71	42	32	20	16	60
CFSM	1.4	1.3	3.1	2.3	3.3	4.9	4.7	3.0	1.2	.82	.48	.28
IN.	.55	2.12	2.01	2.97	2.93	2.95	2.53	2.38	1.64	.67	.85	1.49
	.63	2.37	2.31	3.44	3.05	3.41	2.82	2.74	1.83	.77	.98	1.66

CAL YR 1974	TOTAL	2670.60	MEAN	7.32	MAX	50	MIN	.20	CFSM	1.55	IN	21.09
WTR YR 1975	TOTAL	3295.09	MEAN	9.03	MAX	98	MIN	.28	CFSM	1.92	IN	26.02

PEAK DISCHARGE (BASE, 120 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-08	1430	2.11	150	02-24	1215	2.45	210
01-09	1145	2.01	134	04-03	1315	2.06	142

DELAWARE RIVER BASIN

01426500 WEST BRANCH DELAWARE RIVER AT HALE EDDY, N.Y.

LOCATION.--42°00'11", long 75°23'02", Delaware County, on left bank at downstream side of bridge on County Highway 56 in Hale Eddy, and 9 mi (14 km) upstream from confluence of East and West Branches near Hancock.

DRAINAGE AREA.--593 mi² (1,536 km²).

PERIOD OF RECORD.--November 1912 to current year.

GAGE.--Water-stage recorder. Datum of gage is 946.46 ft (288.481 m) above mean sea level. Prior to Sept. 8, 1928, nonrecording gage.

EXTREMES.--Current year: Maximum discharge, 9,740 ft³/s (276 m³/s) Feb. 25 (gage height, 10.08 ft or 3.072 m); minimum, 51 ft³/s (1.44 m³/s) July 8 (gage height, 1.27 ft or 0.387 m).

Period of record: Maximum discharge, 28,900 ft³/s (818 m³/s) Mar. 22, 1948 (gage height, 15.69 ft or 4.782 m); maximum gage height, 15.8 ft (4.82 m) Sept. 30, 1924, from graph based on gage readings; minimum discharge, 17 ft³/s (0.48 m³/s) Oct. 20, 1963; minimum gage height, 1.03 ft (0.314 m) Aug. 4, 1936.

Maximum discharge known, about 46,000 ft³/s (1,300 m³/s) Oct. 10, 1903 (gage height, 20.3 ft (6.19 m), from floodmarks).

REMARKS.--Records fair. Subsequent to October 1963, entire flow from 454 mi² (1,176 km²) drainage area controlled by Cannonsville Reservoir (see Delaware River basin, reservoirs in). Part of flow diverted for New York City municipal supply. Remainder of flow (except for conservation releases and spill) impounded for release during periods of low flow in the lower Delaware River basin, as directed by the Delaware River Master. Water-quality records for the current year are published in Section 2 of this report.

REVISIONS (WATER YEARS).--WSP 756: Drainage area. WSP 871: 1916.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1680	462	960	369	1980	3410	1670	584	475	192	737	308
2	1660	124	900	420	1760	2680	1520	762	460	146	856	272
3	1560	185	800	409	1520	2130	2850	845	411	464	832	246
4	1380	190	700	450	1060	1500	4180	1020	392	585	651	181
5	1250	386	600	456	1020	1300	3950	1240	483	570	699	148
6	1120	610	569	407	1080	1230	3430	1430	1320	335	635	160
7	1000	590	541	270	1050	1170	2860	2900	1490	86	162	133
8	898	567	3250	223	900	1280	2420	3040	1400	130	133	121
9	812	547	6050	738	830	1000	2090	2800	1310	498	236	154
10	737	578	5150	1200	700	948	1880	2430	1210	515	85	116
11	675	595	4080	2550	500	701	1750	2090	1080	634	61	142
12	618	610	3310	4340	430	661	1640	2040	1610	499	103	557
13	575	1860	2770	4250	514	757	1520	2090	1680	424	380	698
14	533	1850	2340	3220	529	798	1410	1950	1460	182	545	302
15	498	1940	1990	2540	521	794	1360	1770	1270	74	976	145
16	556	1800	1760	2220	553	740	1290	1830	1130	59	1170	125
17	660	1690	1540	1880	579	764	1250	1750	1050	61	597	113
18	651	1520	1410	1570	592	614	1230	1610	921	86	509	172
19	594	1310	1330	1510	619	811	1270	1500	855	229	528	517
20	549	1390	1240	1340	667	3140	1320	1340	764	229	614	628
21	504	1710	1150	920	651	3650	1310	1220	668	393	705	844
22	474	1850	1070	840	651	3310	1210	1130	587	168	1240	397
23	454	1750	947	859	1030	3040	1060	1100	523	171	1280	642
24	459	1730	675	854	5250	2760	1060	1000	498	219	1100	693
25	503	1740	683	1040	9250	2740	1090	895	444	384	693	2840
26	403	1560	704	1920	8480	2740	1020	782	397	605	336	3010
27	392	1360	681	1850	6030	2680	1000	731	340	585	289	4100
28	448	1250	668	1450	4400	2330	953	652	290	540	708	3700
29	289	1180	648	1620	---	2110	849	526	394	489	893	3030
30	229	1060	624	2230	---	2020	615	451	249	446	1500	2420
31	258	---	379	2170	---	1880	---	441	---	380	499	---
TOTAL	22419	33994	49519	46115	53146	55688	51057	43949	25161	10378	19752	26914
MEAN	723	1133	1597	1488	1898	1796	1702	1418	839	335	637	897
MAX	1680	1940	6050	4340	9250	3650	4180	3040	1680	634	1500	4100
MIN	229	124	379	223	430	614	615	441	249	59	61	113
CAL YR 1974	TOTAL	384091	MEAN	1052	MAX	6050	MIN	43				
WTR YR 1975	TOTAL	438092	MEAN	1200	MAX	9250	MIN	59				

DELAWARE RIVER BASIN

01427405 DELAWARE RIVER NEAR CALLICOON, N.Y.

LOCATION.--Lat 41°46'14", long 75°05'03", Sullivan County, on left bank 10 ft (3 m) west of county road, 500 ft (152 m) downstream from Hollister Creek, 1.3 mi (2.1 km) northwest of Callicoon, and 1.4 mi (2.3 km) upstream from Callicoon Creek.

DRAINAGE AREA.--1,706 mi² (4,419 km²).

PERIOD OF RECORD.--August 1967 to July 1975 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 743.00 ft (226.466 m) above mean sea level.

EXTREMES.--Current year: Maximum discharge during period October 1974 to July 1975, 30,700 ft³/s (869 m³/s) Dec. 9 (gage height, 10.22 ft or 3.115 m); minimum, 311 ft³/s (8.81 m³/s) July 8 (gage height, 1.89 ft or 0.576 m).

Period of record: Maximum discharge, 60,500 ft³/s (1,710 m³/s) June 29, 1973 (gage height, 13.55 ft or 4.130 m); maximum gage height, 14.22 ft (4.334 m) Feb. 4, 1970 (ice jam); minimum daily discharge, 280 ft³/s (7.93 m³/s) Feb. 4, 5, 1971.

REMARKS.--Records fair. Subsequent to September 1954, entire flow from 371 mi² (961 km²) of drainage area controlled by Pepacton Reservoir (see Delaware River basin, reservoirs in), and subsequent to October 1963, entire flow from 454 mi² (1,176 km²) of drainage area controlled by Cannonsville Reservoir (see Delaware River basin, reservoirs in). Part of flow from these reservoirs diverted for New York City municipal supply. Remainder of flow (except for conservation releases and spill) impounded for release during period of low flow in the lower Delaware River basin, as directed by the Delaware River Master. Water-quality records for the current year are published in Section 2 of this report.

REVISIONS (WATER YEARS).--WRD N.Y. 1971: 1969, 1970.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4960	967	2280	1220	4800	8460	4550	1830	1510	814		
2	4130	1110	2400	1250	4320	6720	4020	2080	1570	631		
3	3550	742	2600	1160	3830	5430	6690	2380	1400	540		
4	3090	802	2260	1100	3000	4270	14200	2800	1600	889		
5	2750	1360	1800	1200	2500	3400	11700	4780	2020	928		
6	2460	2080	1700	1100	2600	3200	9640	4400	5040	863		
7	2210	2060	1600	1100	2300	2900	7980	9230	7750	560		
8	1980	1920	9050	1000	2000	3000	6540	9050	5510	350		
9	1810	1800	23000	1800	1500	2900	5460	7580	4470	---		
10	1660	1740	12800	3500	1400	2500	4880	6330	3920	---		
11	1540	1690	9340	5830	1300	2200	4520	5370	3430	---		
12	1440	1680	7360	12000	1300	2100	4180	5290	4620	---		
13	1340	5180	6180	10100	1200	1900	3860	8080	9230	---		
14	1260	5800	5260	7650	1200	2000	3660	8910	7580	---		
15	1190	5040	4420	5400	1300	1900	3430	8020	6000	---		
16	1260	4370	4020	4500	1400	1800	3150	7550	4960	---		
17	1770	3880	3950	3600	1400	1920	2940	6940	4420	---		
18	1770	3490	3430	3300	1400	1980	2900	5910	3680	---		
19	1540	3110	3150	3200	1400	2350	3010	5230	2990	---		
20	1400	3030	2880	2900	1400	13700	3510	4470	2640	---		
21	1320	4180	2600	2100	1400	13400	3580	3770	2130	---		
22	1260	4780	2400	2000	1400	10400	3270	3330	1770	---		
23	1200	4080	2230	1900	1800	9200	2920	2980	1510	---		
24	1180	3860	1970	1900	12100	8560	2880	2670	1360	---		
25	1160	3750	1860	2000	27300	9380	3390	2350	1220	---		
26	1330	3550	1870	4500	22300	9270	3210	2000	1080	---		
27	1180	3090	1690	4910	15300	7910	2940	1750	954	---		
28	1180	2840	1660	3810	11100	6630	2730	1620	863	---		
29	1040	2690	1600	3600	---	5860	2490	1400	902	---		
30	928	2460	1590	5290	---	5570	2180	1250	1160	---		
31	863	---	1430	5120	---	5320	---	1300	---	---		
TOTAL	55751	87131	130380	110040	134250	166130	140410	140650	97289			
MEAN	1798	2904	4206	3550	4795	5359	4680	4537	3243			
MAX	4960	5800	23000	12000	27300	13700	14200	9230	9230			
MIN	863	742	1430	1000	1200	1800	2180	1250	863			
CAL YR 1974	TOTAL	1070325	MEAN	2932	MAX	23000	MIN	410				

DELAWARE RIVER BASIN

01427500 CALLICOON CREEK AT CALLICOON, N.Y.

LOCATION.--Lat 41°45'39", long 75°02'55", Sullivan County, on right bank 0.7 mi (1.1 km) southeast of Callicoon, 0.9 mi (1.4 km) upstream from mouth, and 1.0 mi (1.6 km) southwest of Hortonville.

DRAINAGE AREA.--111 mi² (287 km²).

PERIOD OF RECORD.--August 1940 to current year.

GAGE.--Water-stage recorder. Concrete control since July 1944. Datum of gage is 759.84 ft (231.599 m) above mean sea level.

AVERAGE DISCHARGE.--35 years, 176 ft³/s (4.984 m³/s) (21.53 in/yr or 546.9 mm/yr).

EXTREMES.--Current year: Maximum discharge, 4,460 ft³/s (126 m³/s) Feb. 24 (gage height, 5.85 ft or 1.783 m); minimum, 31 ft³/s (0.88 m³/s) Aug. 23-24 (gage height, 1.45 ft or 0.442 m).

Period of record: Maximum discharge, 16,000 ft³/s (453 m³/s) Aug. 17, 1947 (gage height, 9.68 ft or 2.950 m), from rating curve extended above 5,100 ft³/s (144 m³/s) on basis of slope-area measurement of peak flow; minimum, 4.0 ft³/s (0.11 m³/s) July 26, 27, 1965.

REMARKS.--Records good except those for winter periods, which are fair. Occasional regulation by small pond above station. Water-quality records for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	238	66	121	86	220	378	229	140	152	64	55	173
2	191	62	365	80	170	240	210	179	124	55	50	135
3	158	59	294	76	140	200	1120	167	116	50	45	114
4	135	66	180	80	120	150	792	330	173	47	47	95
5	133	176	140	80	130	140	480	456	291	42	58	81
6	116	173	130	92	140	130	378	383	1060	39	50	95
7	101	126	120	129	120	130	305	909	874	36	356	90
8	86	103	1480	106	100	140	268	456	456	35	164	73
9	92	94	1130	723	92	120	250	335	296	81	99	140
10	85	88	548	555	92	120	233	281	216	152	73	88
11	77	83	389	1330	94	120	213	247	176	58	62	71
12	77	107	320	1050	96	130	191	351	715	47	55	79
13	71	768	281	643	100	233	173	450	840	64	48	86
14	68	322	250	439	100	200	158	330	433	135	48	68
15	70	282	220	296	100	167	152	272	296	137	42	58
16	133	221	210	220	96	161	146	310	236	92	73	55
17	173	194	233	170	94	188	137	254	213	69	84	53
18	114	176	207	160	106	200	132	226	173	73	64	52
19	92	158	179	140	116	474	143	158	146	57	48	64
20	86	250	161	120	124	2070	137	137	129	816	41	84
21	77	478	140	110	109	857	121	124	106	723	36	75
22	70	298	130	130	121	555	109	121	95	263	35	66
23	68	230	110	120	367	462	104	121	84	170	32	143
24	64	218	110	137	3290	568	179	126	75	137	226	310
25	75	212	130	433	2780	615	213	143	71	330	135	1540
26	81	185	120	768	1040	450	200	90	64	173	81	784
27	73	150	110	367	636	315	170	86	60	121	92	700
28	64	140	98	268	462	263	150	75	99	97	60	411
29	59	130	92	389	---	247	130	68	161	81	52	286
30	57	110	88	468	---	356	120	90	86	69	738	223
31	70	---	86	291	---	286	---	121	---	62	286	---
TOTAL	3054	5725	8172	10056	11155	10665	7343	7536	8016	4375	3335	6292
MEAN	98.5	191	264	324	398	344	245	243	267	141	108	210
MAX	238	768	1480	1330	3290	2070	1120	909	1060	816	738	1540
MIN	57	59	86	76	92	120	104	68	60	35	32	52
CFSM	.89	1.72	2.38	2.92	3.59	3.10	2.21	2.19	2.41	1.27	.97	1.89
IN.	1.02	1.92	2.74	3.37	3.74	3.57	2.46	2.53	2.69	1.47	1.12	2.11
CAL YR 1974	TOTAL	76370	MEAN 209	MAX 1480	MIN 25	CFSM 1.88	IN 25.59					
WTR YR 1975	TOTAL	85724	MEAN 235	MAX 3290	MIN 32	CFSM 2.12	IN 28.73					

PEAK DISCHARGE (BASE, 2,200 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-08	1400	5.15	3,110	04-03	1515	4.60	2,240
02-24	2400	5.85	4,460	09-25	0715	5.00	2,850
03-20	0745	4.78	2,500				

DELAWARE RIVER BASIN

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01427510 DELAWARE RIVER AT CALLICOON, N.Y.

LOCATION.--Lat 41°45'24", long 75°03'30", Wayne County, Pennsylvania, on right bank, 0.5 mi (0.8 km) downstream from Callicoon Creek, 0.5 mi (0.8 km) downstream from Interstate Bridge no. 7, and 0.8 mi (1.1 km) southeast of Callicoon.

DRAINAGE AREA.--1,822 mi² (4,719 km²).

PERIOD OF RECORD.--July to September 1975.

GAGE.--Water-stage recorder. Altitude of gage is 750 ft (229 m) from topographic map (nearest 20 ft).

EXTREMES.--Maximum discharge during period, 17,700 ft³/s (502 m³/s) Sept. 25 (gage height, 7.08 ft or 2.158 m); minimum daily, 400 ft³/s (11.3 m³/s) July 8.

REMARKS.--Records poor. Subsequent to September 1954, entire flow from 371 mi² (961 km²) of drainage area controlled by Pepacton Reservoir (see Reservoirs in Delaware River basin), and subsequent to October 1963, entire flow from 454 mi² (1,176 km²) of drainage area controlled by Cannonsville Reservoir (see Reservoirs in Delaware River basin). Part of flow from these reservoirs diverted for New York City municipal supply. Remainder of flow (except for conservation releases and spill) impounded for release during period of low flow in the lower Delaware River basin, as directed by the Delaware River Master. Water-quality records for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									---	900	840	2530
2									---	800	920	1850
3									---	600	1100	1520
4									---	940	1100	1290
5									---	1000	1100	1110
6									---	920	960	1020
7									---	620	1400	1060
8									---	400	1160	971
9									---	700	893	1020
10									---	1100	816	1010
11									---	1100	627	861
12									---	1000	552	856
13									---	860	541	1750
14									---	1000	787	1460
15									---	880	952	1060
16									---	770	1430	901
17									---	700	1730	862
18									---	580	1120	827
19									---	540	993	882
20									---	1650	913	1340
21									---	3500	1030	1590
22									---	3170	1140	1440
23									---	1700	1450	1350
24									---	1270	1990	2350
25									---	1460	1920	10700
26									---	1570	1190	11500
27									1100	1370	966	11000
28									1000	1230	866	8780
29									1100	1120	1170	6850
30									1300	1000	5130	5480
31									---	900	5070	---
TOTAL										35350	41856	85220
MEAN										1140	1350	2841
MAX										3500	5130	11500
MIN										400	541	827

DELAWARE RIVER BASIN

01428500 DELAWARE RIVER ABOVE LACKAWAXEN RIVER NEAR BARRYVILLE, N.Y.

LOCATION.--Lat 41°30'32", long 74°59'13", Sullivan County, on left bank 1.6 mi (2.6 km) upstream from Lackawaxen River and 4.6 mi (7.4 km) northwest of Barryville.

DRAINAGE AREA.--2,023 mi² (5,240 km²).

PERIOD OF RECORD.--October 1940 to current year.

GAGE.--Water-stage recorder. Datum of gage is 600.22 ft (182.947 m) above mean sea level.

EXTREMES.--Current year: Maximum discharge, 42,000 ft³/s (1,189 m³/s) Feb. 25 (gage height, 13.38 ft or 4.078 m); minimum, 482 ft³/s (13.7 m³/s) July 9-10; minimum daily, 512 ft³/s (14.5 m³/s) July 9, Aug. 13; minimum gage height, 2.11 ft (0.643 m) Aug. 13.

Period of record: Maximum discharge, 130,000 ft³/s (3,680 m³/s) Aug. 19, 1955 (gage height, 26.40 ft or 8.047 m from floodmarks in gage house), from rating curve extended above 55,000 ft³/s (1,560 m³/s) on basis of slope-area measurement at gage height 23.19 ft (7.068 m); minimum, 122 ft³/s (3.46 m³/s) Sept. 5, 1953 (gage height, 1.11 ft or 0.338 m); minimum daily, 126 ft³/s (3.57 m³/s) Sept. 4, 1953.

REMARKS.--Records good except those for winter periods, which are fair. Subsequent to September 1954, entire flow from 371 mi² (961 km²) of drainage area controlled by Pepacton Reservoir (see Delaware River basin, reservoirs in), and subsequent to October 1963, entire flow from 454 mi² (1,176 km²) of drainage area controlled by Cannonsville Reservoir (see Delaware River basin, reservoirs in). Part of flow of these reservoirs diverted for New York City municipal supply. Remainder of flow (except for conservation releases and spill) impounded for release during periods of low flow in the lower Delaware River basin, as directed by the Delaware River Master. Water-quality records for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5990	998	2630	1620	5740	10700	5710	2300	1990	1220	953	3040
2	4730	1250	2860	1600	5110	8350	4930	2510	2050	962	1110	2100
3	4040	962	3430	1200	4500	6710	7360	2910	1850	810	1310	1730
4	3470	883	2910	1200	3740	5270	17900	3120	1920	908	1250	1470
5	3040	1190	2380	1300	2990	4200	14900	6230	2270	1070	1230	1220
6	2720	2170	2140	1200	3160	3760	12200	5600	6490	1040	1100	1090
7	2440	2360	1970	1300	3370	3430	10000	11000	10700	935	1720	1100
8	2170	2140	7520	1300	2650	3530	8250	11400	7360	620	1290	1050
9	1980	1990	30800	2000	2200	3270	6830	9400	5630	512	1160	1030
10	1810	1880	17000	6110	1900	2870	5970	7780	4700	1040	908	1070
11	1660	1830	11400	6950	1700	2500	5430	6520	4090	1190	725	953
12	1550	1800	8800	14800	1600	2200	5010	5940	4780	1190	580	842
13	1450	5710	7270	13000	1400	2300	4580	9760	11300	1010	512	1340
14	1340	7620	6110	9800	1400	2500	4240	10700	9440	1040	633	1770
15	1290	6170	5220	7020	1600	2400	4020	9730	7270	1100	859	1260
16	1340	5380	4580	5990	1880	2200	3740	9080	5910	908	1290	971
17	1940	4600	4600	5040	1850	2300	3430	8490	5170	826	1850	875
18	2100	4130	4220	3800	1850	2400	3310	7140	4400	770	1360	834
19	1780	3660	3700	3900	1890	2500	3390	6200	3550	633	1060	842
20	1590	3510	3350	3800	1980	15900	3780	5350	3160	1450	971	1220
21	1460	5060	3080	2500	1950	19300	4090	4450	2580	3210	917	1530
22	1360	5910	2860	2400	1940	13500	3760	3890	2130	4180	1040	1760
23	1300	4960	2660	2600	2410	11700	3350	3800	1810	2160	1510	1370
24	1260	4530	2440	2400	15700	10700	3270	3330	1610	1520	1920	2300
25	1260	4380	2380	2500	39500	11900	3980	3180	1470	1760	2250	10200
26	1400	4270	2490	5600	29900	11500	3890	2560	1340	1890	1650	15300
27	1320	3660	2170	6580	20000	9970	3490	2220	1220	1740	1070	12800
28	1230	3290	2050	4910	14100	8250	3200	1990	1160	1480	859	10400
29	1250	3100	1980	4500	---	7170	2930	1780	1340	1320	1090	7880
30	1050	2880	1880	6550	---	6890	2650	1590	1470	1170	3330	6050
31	1020	---	1850	6320	---	6770	---	1650	---	1050	6610	---
TOTAL	62340	102273	158730	139790	178010	206940	169590	171600	120160	40714	44117	95397
MEAN	2011	3409	5120	4509	6358	6675	5653	5535	4005	1313	1423	3180
MAX	5990	7620	30800	14800	39500	19300	17900	11400	11300	4180	6610	15300
MIN	1020	883	1850	1200	1400	2200	2650	1590	1160	512	512	834
CAL YR 1974 TOTAL		1315306		MEAN 3604	MAX 30800	MIN 611						
WTR YR 1975 TOTAL		1489661		MEAN 4081	MAX 39500	MIN 512						

01431500 Lackawaxen River at Hawley, Pa.

LOCATION.--Lat 41°28'34", long 75°10'21", Wayne County, on left bank at Church Street Bridge in Hawley, 700 ft (213 m) upstream from Wallenpaupack Creek, and 3,000 ft (914 m) downstream from Middle Creek.

DRAINAGE AREA.--290 mi² (751 km²).

PERIOD OF RECORD.--July 1908 to September 1917, August 1938 to current year. Monthly discharge only for some periods, published in WSP 1302. October 1917 to December 1919 (gage heights and discharge measurements only) in reports of Water Supply Commission of Pennsylvania.

GAGE.--Nonrecording gage, water-stage recorder, and crest-stage gage. Datum of gage is 869.00 ft (264.871 m) above mean sea level. Prior to 1938, nonrecording gage at same site and datum. August 10, 1938 to August 19, (300 m) downstream at same datum.

AVERAGE DISCHARGE.--46 years (1908-17, 1938-75), 478 ft³/s (13.5 m³/s), 22.38 in/yr (568 mm/yr), adjusted for storage since October 1959.

EXTREMES.--Current year: Maximum discharge, 10,000 ft³/s (283 m³/s) Feb. 24 (gage height, 9.94 ft or 3.030 m); minimum observed, 89 ft³/s (2.52 m³/s) Aug. 22.

Period of record: Maximum discharge, 51,900 ft³/s (1,470 m³/s) Aug. 19, 1955 (gage height, 24.8 ft or 7.56 m at present site, 20.6 ft or 6.28 m at former site, from floodmark), from rating curve extended above 12,000 ft³/s (340 m³/s) on basis of slope-area measurement at gage height, 24.2 ft (7.38 m), at present site, 20.1 ft (6.13 m) at former site; minimum daily, 8 ft³/s (0.23 m³/s) Sept. 8, 1909.

Flood in March 1936 reached a stage of 19.1 ft (5.82 m) at present site, 13.9 ft (4.24 m), at former site, from floodmarks (discharge, 27,600 ft³/s or 782 m³/s).

REMARKS.--Records fair. Regulation by Prompton Lake and, at high flow, by General Edgar Jadwin Lake located 14.9 mi (24.0 km) and 13.0 mi (20.9 km) upstream, respectively (see Pennsylvania Report). Records of water quality for the current year are published in Section 2 of this report.

REVISIONS (WATER YEARS).--WSP 1951: 1938-41. WSP 1302: 1909-17. WSP 1432: 1942. WSP 1502: 1956.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						1210	700	265	316	449	121	288
2	461	122	265	379	670	967	602	438	335	331	114	223
3	300	118	332	370	530	784	857	513	320	260	101	190
4	249	114	536	311	444	629	2260	590	320	220	100	159
5	213	111	392	326	392	520	1460	1460	323	190	143	137
6	186	129	311	303	360							
7	170	189	286	258	340	480	1100	1180	1780	170	129	131
8	156	186	255	250	360	463	897	1610	1960	156	262	137
9	145	163	2370	240	290	552	748	1310	1160	135	226	127
10	137	148	3220	925	270	450	676	967	754	131	170	170
11	135	141	1730	1510	260	370	612	766	564	139	137	170
12	126	137	1110	1700	250	340	546	639	440	145	119	141
13	116	147	869	2420	240	330	488	590	532	127	108	131
14	109	1150	766	1700	230	424	434	1100	1220	117	110	159
15	100	865	676	1210	220	458	397	1630	953	156	103	143
16	100	612	602	904	210	397	375	1030	646	177	95	129
17	137	509	563	760	210	341	362	1040	512	159	110	117
18	258	449	724	600	200	383	333	911	454	154	127	114
19	224	379	700	470	280	458	314	718	395	141	121	105
20	184	333	568	520	383	635	314	602	342	127	110	114
21	156	402	488	460	424	3050	303	522	362	133	98	165
22	145	624	439	420	362	2880	278	444	335	274	92	175
23	137	590	411	380	366	1800	255	409	277	238	89	170
24	133	473	379	350	878	1440	246	742	238	187	90	175
25	128	415	366	330	5700	1250	292	607	223	150	184	481
26	129	420	514	494	7000	1570	443	477	238	498	264	3780
27	135	362	624	1260	3970	1240	405	366	211	558	185	3740
28	133	296	468	939	2670	944	342	316	190	327	203	2200
29	129	314	415	676	1560	790	308	277	217	238	168	1300
30	126	300	375	899	---	700	283	244	422	182	141	827
31	122	275	366	1570	---	760	271	235	426	152	393	612
	131	---	375	1030	---	862	---	284	---	133	473	---
TOTAL						27477	16901	22282	16465	6554	4886	16510
MEAN	5110	10473	21495	23964	29069	886	563	719	549	211	158	550
MAX	461	1150	3220	2420	7000	3050	2260	1630	1960	558	473	3780
MIN	100	111	255	240	200	330	246	235	190	117	89	105
MEAN#	160	350	694	794	1030	875	558	720	556	204	160	553
CFSM#	.55	1.21	2.39	2.74	3.55	3.02	1.92	2.48	1.92	.70	.55	1.91
IN.#	.63	1.35	2.76	3.16	3.70	3.48	2.14	2.86	2.14	.81	.63	2.13
CAL YR 1974	TOTAL	192279	MEAN 527	MAX 3710	MIN 59	MEAN# 525	CFSM# 1.81	IN.# 24.62				
WTR YR 1975	TOTAL	201186	MEAN 551	MAX 7000	MIN 89	MEAN# 551	CFSM# 1.90	IN.# 25.79				

* Adjusted for change in contents in Prompton Lake and General Edgar Jadwin Reservoir.

DELAWARE RIVER BASIN

01432000 Wallenpaupack Creek at Wilsonville, Pa.

LOCATION.--At hydroelectric plant of Pennsylvania Power and Light Co., at lower end of penstock, at Kimble, 3 mi (5 km) east of dam which is at lat 41°27'33", long 75°11'08", Pike County, at Wilsonville, 1.2 mi (1.9 km) south of Hawley.

DRAINAGE AREA.--228 sq mi (591 sq km).

PERIOD OF RECORD.--October 1909 to current year. Monthly discharge only for some periods, published in WSP 1302.

GAGE.--Daily discharge determined from flow through turbines, computed from records of generator output, and flow over roller gates, computed on basis of head on gates. Prior to Nov. 3, 1925, nonrecording gage at site 1,000 ft (300 m) downstream from dam at datum 1,146.78 ft (349.539 m) above mean sea level, unadjusted.

AVERAGE DISCHARGE.--66 years, 361 ft³/s (10.2 m³/s), 21.50 in/yr (546 mm/yr), unadjusted.

EXTREMES.--Period of record: Maximum daily discharge, 6,440 ft³/s (183 m³/s) June 30, 1973; no flow at times each year subsequent to Nov. 3, 1925.

REMARKS.--Records good. No flow over spillway or roller gates. Flow regulated by Lake Wallenpaupack.

COOPERATION.--Records of generator load, operation of powerplant, net operating head, and water-surface elevations in lake furnished by Pennsylvania Power and Light Co., in connection with a Federal Power Commission project.

REVISIONS (WATER YEARS).--WSP 756: Drainage area. WSP 1302: 1918, 1923-24. WSP 1432: 1920-21. The mean discharge for September 1966 has been corrected to 141 ft³/s (3.99 m³/s), superseding figure published in WRD Penna. 1966.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	718	0	0	0	731	780	810	0	0	487	0	6.6
2	0	0	0	823	0	0	800	0	0	444	0	420
3	0	0	0	820	1350	1200	808	0	481	452	0	395
4	0	0	127	0	1360	1200	802	0	464	0	0	381
5	0	0	0	0	1350	1210	690	0	462	0	0	409
6	0	0	66	834	1360	1210	0	0	1020	0	78	0
7	0	0	0	781	1350	1110	771	0	437	454	479	0
8	0	0	0	814	712	0	471	0	285	328	477	466
9	0	0	1170	807	0	0	490	0	1250	467	0	424
10	889	0	1300	816	1300	1180	409	0	1260	430	0	398
11	922	6.4	809	0	1280	1180	485	0	1210	505	481	430
12	897	11	873	0	1340	1180	0	0	699	0	422	416
13	0	0	847	836	1330	1190	0	0	698	0	473	0
14	674	0	0	762	1320	823	450	0	0	467	448	0
15	8.3	0	0	880	715	700	0	766	0	208	469	411
16	0	50	1200	1250	0	0	32	746	679	124	0	404
17	842	0	1380	1240	1340	767	6.1	0	508	240	0	376
18	905	0	864	0	1320	781	0	0	579	312	403	407
19	0	0	826	0	1340	792	0	1050	605	0	517	443
20	0	247	857	1190	1300	789	0	1040	456	0	580	0
21	774	425	0	1020	577	1020	12	1080	0	493	533	0
22	831	312	0	1030	0	667	0	1060	0	575	518	394
23	8.3	31	803	1040	0	0	0	1070	592	575	0	413
24	169	0	836	1010	884	981	0	0	0	698	0	823
25	0	0	0	0	1130	1320	0	0	0	0	1170	1500
26	0	0	855	0	1160	1320	0	0	0	909	739	1650
27	0	0	837	1060	1190	1340	0	821	15	678	464	459
28	0	8.2	0	1000	1180	0	64	0	0	1270	319	0
29	0	0	0	1030	---	0	9.1	96	0	349	26	460
30	0	0	838	1020	---	0	0	39	0	496	0	456
31	20	---	851	1290	---	1220	---	0	---	523	0	---
TOTAL	7657.6	1090.6	15339	21353	26919	23960	7109.2	7768	11700	12654	8141	11941.6
MEAN	247	36.4	495	689	961	773	237	251	390	408	263	398
MAX	922	425	1380	1290	1360	1340	810	1080	1260	1270	739	1650
MIN	0	0	0	0	0	0	0	0	0	0	0	0
CFSM	1.08	.16	2.17	3.02	4.21	3.39	1.04	1.10	1.71	1.79	1.15	1.75
IN.	1.25	.18	2.50	3.48	4.39	3.91	1.16	1.27	1.91	2.06	1.33	1.95
CAL YR 1974	TOTAL	156094.20	MEAN	428	MAX	1780	MIN	0	CFSM	1.88	IN	25.47
WTR YR 1975	TOTAL	155633.00	MEAN	426	MAX	1650	MIN	0	CFSM	1.87	IN	25.39

DELAWARE RIVER BASIN

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01433500 MONGAUP RIVER NEAR MONGAUP, N.Y.

LOCATION.--Lat 41°27'41", long 74°45'33", Sullivan County, on right bank 300 ft (91 m) downstream from Rio hydroelectric plant of Orange and Rockland Utilities, Inc., 0.5 mi (0.8 km) downstream from Bush Kill, and 2.8 mi (4.5 km) upstream from mouth and Mongaup.

DRAINAGE AREA.--202 mi² (523 km²).

PERIOD OF RECORD.--August 1939 to current year.

GAGE.--Water-stage recorder. Datum of gage is 625.05 ft (190.515 m) above mean sea level (datum of Orange and Rockland Utilities, Inc.). Prior to July 6, 1956, water-stage recorders at sites 25 ft (8 m) upstream on Rio Tailrace and 200 ft (61 m) upstream on natural channel, at datum 4.0 ft (1.22 m) higher.

AVERAGE DISCHARGE.--36 years, 335 ft³/s (9.487 m³/s) (unadjusted).

EXTREMES.--Current year: Maximum discharge, 2,480 ft³/s (70.2 m³/s) Dec. 9 (gage height, 6.75 ft or 2.057 m); minimum daily, 26 ft³/s (0.74 m³/s) Oct. 19, 20, 27.

Period of record: Maximum discharge, 15,900 ft³/s (450 m³/s) Aug. 19, 1955; minimum daily, 6 ft³/s (0.17 m³/s) Oct. 1, 1939.

REMARKS.--Records good. Entire flow completely regulated by Rio hydroelectric plant except for runoff from about 7 mi² (18.1 km²) of drainage area below Rio Dam of Orange and Rockland Utilities, Inc., and during periods of spill from Rio Reservoir. Flow also regulated by storage in Cliff Lake, Swinging Bridge, and Toronto Reservoirs (see Delaware River basin, reservoirs in) and small reservoirs above station. Water-quality records for the current year are published in Section 2 of this report.

REVISIONS (WATER YEARS).--WRD N.Y., 1971: 1970.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	578	373	423	479	155	764	744	370	449	440	290	222
3	578	156	529	557	282	756	740	415	365	255	334	243
4	589	165	363	497	564	752	816	33	320	341	41	350
5	434	332	358	373	488	748	1,420	44	375	32	42	385
6	295	29	461	37	476	744	1,470	526	479	32	323	378
7												
8	234	418	446	398	464	740	860	415	636	32	332	35
9	355	434	390	410	431	740	776	425	736	305	343	34
10	327	428	680	476	133	740	756	491	728	164	245	327
11	428	35	1,780	620	131	434	744	543	278	265	44	473
12	410	96	1,780	736	578	603	740	395	355	176	43	245
13												
14	378	561	1,010	744	582	648	736	220	728	131	415	398
15	423	482	800	756	393	732	656	515	740	35	393	375
16	418	506	756	756	449	732	736	557	748	418	301	36
17	415	672	740	748	440	728	736	736	482	592	297	35
18	241	431	732	744	420	554	736	732	464	458	37	350
19												
20	234	208	732	740	373	592	732	740	736	488	39	431
21	353	249	732	736	282	640	610	736	740	63	39	320
22	245	443	728	636	393	329	536	732	610	491	39	218
23	26	443	557	628	425	519	288	732	571	50	39	234
24	26	522	728	728	36	804	37	732	578	119	40	37
25												
26	203	632	724	398	46	776	405	473	239	405	39	35
27	203	640	485	211	37	764	408	284	332	405	131	458
28	227	185	589	238	274	756	400	363	526	295	37	728
29	393	36	589	301	652	756	390	464	536	388	47	748
30	413	512	571	428	896	756	380	732	245	395	276	760
31												
32	27	512	606	400	920	752	37	529	373	56	282	744
33	26	446	720	286	872	832	34	624	423	50	393	736
34	395	316	613	388	820	752	312	398	154	320	334	554
35	425	458	613	425	-----	748	428	461	35	343	276	398
36	334	174	613	398	-----	752	375	488	192	327	339	400
37	405	-----	589	467	-----	748	-----	476	-----	332	41	-----
TOTAL	10,038	10,894	21,437	15,739	12,012	21,691	18,038	15,381	14,173	8,203	5,871	10,687
MEAN	324	363	692	508	429	700	601	496	472	265	189	356
MAX	589	672	1,780	756	920	832	1,470	740	748	592	415	760
MIN	26	29	358	37	36	329	34	33	35	32	37	34
CAL YR 1974	TOTAL	172,059	MEAN	471	MAX	1,780	MIN	26				
WTR YR 1975	TOTAL	164,164	MEAN	450	MAX	1,780	MIN	26				

DELAWARE RIVER BASIN

01434000 DELAWARE RIVER AT PORT JERVIS, N.Y.

LOCATION.--Lat 41°22'14", long 74°41'52", Pike County, Pa., on right bank 250 ft (76 m) downstream from bridge on U.S. Highways 6 and 209 at Port Jervis, 1.2 mi (1.9 km) upstream from Neversink River, and 6.5 mi (10.5 km) downstream from Mongaup River.

DRAINAGE AREA.--3,076 mi² (7,967 km²).

PERIOD OF RECORD.--October 1904 to current year.

GAGE.--Water-stage recorder. Datum of gage is 415.35 ft (126.599 m) above mean sea level. October 1904 to August 13, 1928, nonrecording gage at bridge 250 ft upstream at present datum, operated by U. S. Weather Bureau prior to June 20, 1914.

EXTREMES.--Current year: Maximum discharge, 55,800 ft³/s (1,580 m³/s) Feb. 25 (gage height, 11.76 ft or 3.584 m), minimum, 938 ft³/s (26.6 m³/s) July 9 (gage height, 1.89 ft or 0.576 m), minimum daily, 1,370 ft³/s (38.8 m³/s) Nov. 5, July 20.

Period of record: Maximum discharge, 233,000 ft³/s (6,600 m³/s) Aug. 19, 1955 (gage height, 23.91 ft or 7.288 m), from floodmarks in gage house, from rating curve extended above 89,000 ft³/s (2,520 m³/s) on basis of slope-area measurement of peak flow; minimum observed, 175 ft³/s (4.96 m³/s) Sept. 23, 1908 (gage height, 0.6 ft or 0.18 m).

Maximum discharge previously known, 205,000 ft³/s (5,810 m³/s) Oct. 10, 1903 (gage height, 23.1 ft or 7.04 m), reported by U.S. Weather Bureau, from rating curve extended above 70,000 ft³/s (1,980 m³/s) by velocity-area studies; maximum stage known, 25.5 ft (7.77 m) Mar. 8, 1904 (ice jam).

REMARKS.--Records good. Flow regulated by Lake Wallenpaupack and by Toronto, Cliff Lake, and Swinging Bridge Reservoirs (see Delaware River basin, reservoirs in) and smaller reservoirs. Large diurnal fluctuations at medium and low flows caused by powerplants on tributary streams. Subsequent to September 1954, entire flow from 371 mi² (961 km²) of drainage area controlled by Pepacton Reservoir, and subsequent to October 1963, entire flow from 454 mi² (1,176 km²) of drainage area controlled by Cannonsville Reservoir (see Delaware River basin, reservoirs in). Part of flow from these reservoirs diverted for New York City municipal supply. Remainder of flow (except for conservation releases and spill) impounded for release during periods of low flow in the lower Delaware River basin, as directed by the Delaware River Master. Records of water-quality for the current year are published in Section 2 of this report.

REVISIONS (WATER YEARS).--WSP 756: Drainage area. WSP 1031: 1905-36. WRD N.Y. 1971: 1970.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9130	1740	3750	3720	8800	15400	9200	3340	3100	2800	2040	4490
2	6870	1660	4160	3400	7410	12000	8010	3530	3140	2290	1510	3160
3	5600	1620	5190	3600	7300	10400	10300	3910	3300	2150	1670	2960
4	4760	1500	4700	3000	6950	9110	23300	3930	3430	1540	1490	2680
5	4010	1370	3790	2380	6190	7900	20200	8100	3880	1480	1930	2350
6	3540	2570	3460	2810	5950	7150	15700	8100	8620	1430	1810	1900
7	3340	3190	3030	3320	6310	6650	13400	12300	15100	1720	3010	1390
8	2980	2990	8810	3340	4890	5990	11700	14400	11200	1530	2850	1640
9	2840	2500	40800	4790	4250	5150	9800	11800	8360	1580	2300	2330
10	2930	2300	26000	10600	4320	4960	8670	9820	7680	1850	1490	2130
11	3300	2580	17200	10100	4770	5460	8050	8200	7190	2050	1700	2130
12	3300	2600	13400	18800	4470	5190	7060	7680	6960	1900	1780	1990
13	2820	6630	11300	18100	4540	5310	6560	11400	13700	1790	1620	1640
14	2210	10800	9430	14600	4370	5420	6380	13800	12300	2270	1590	2250
15	2380	8370	7920	11200	3790	5020	5910	13100	9400	2820	1540	2100
16	1990	7320	7610	9750	3480	4170	5490	12400	8460	2310	1780	2110
17	3030	6240	8530	9270	3330	4110	5040	11500	7850	1670	2010	1830
18	3870	5810	8060	8130	4270	4710	4750	9600	6750	1980	2000	1720
19	3010	5220	6760	6230	4560	5110	4460	9020	5770	1720	1920	1760
20	2120	4900	6320	7020	4260	19200	4410	8510	5290	1370	1840	1650
21	2240	6920	5540	6450	3940	27100	5170	7220	3930	3620	1700	1900
22	2780	8850	4540	5050	3100	18600	4880	6460	3180	6600	1910	2550
23	2510	6560	4920	4990	3570	15500	4490	7000	2570	3900	1920	2940
24	2140	5710	4930	4760	19200	14400	4300	5970	3110	3040	2030	4280
25	2110	5850	4520	4630	52300	16300	5100	5350	2190	3870	3440	13800
26	1730	5840	4960	7710	40600	15700	5000	4390	2230	4200	3090	24200
27	1810	5190	5000	9870	27600	14200	4380	4150	2070	3420	2750	17700
28	1910	4490	4280	8050	19700	11400	4230	3800	1810	3400	2100	14100
29	2010	4350	3610	7650	---	9540	4080	3070	1960	3040	1780	11000
30	1810	3810	3770	10400	---	9250	3740	2840	2210	2290	2520	8820
31	1770	---	4360	10400	---	10200	---	2900	---	2210	8410	---
TOTAL	96850	139480	250650	234120	274220	310500	233760	237590	176740	77840	69530	145500
MEAN	3124	4649	8085	7552	9794	10020	7792	7664	5891	2511	2243	4850
MAX	9130	10800	40800	18800	52300	27100	23300	14400	15100	6600	8410	24200
MIN	1730	1370	3030	2380	3100	4110	3740	2840	1810	1370	1490	1390
CAL YR 1974 TOTAL		2091430		MEAN 5730		MAX 40800		MIN 1070				
WTR YR 1975 TOTAL		2246780		MEAN 6156		MAX 52300		MIN 1370				

01435000 NEVERSINK RIVER NEAR CLARYVILLE, N.Y.

LOCATION.--Lat 41°53'24", long 74°35'25", Sullivan County, on left bank 50 ft (15 m) downstream from covered bridge, 300 ft (91 m) upstream from small tributary, 2.2 mi (3.5 km) downstream from confluence of East and West Branches, and 2.2 mi (3.5 km) southwest of Claryville.

DRAINAGE AREA.--65.6 mi² (170 km²).

PERIOD OF RECORD.--July 1951 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,527.37 ft (465.542 m) above mean sea level (revised). Prior to October 1, 1974, at datum 1.00 ft (0.305 m) higher.

AVERAGE DISCHARGE.--24 years, 186 ft³/s (5.268 m³/s) (38.50 in/yr or 977.9 mm/yr).

EXTREMES.--Current year: Maximum discharge, 7,010 ft³/s (199 m³/s) Dec. 8 (gage height, 6.98 ft or 2.128 m) from rating curve extended above 3,300 ft³/s (93.4 m³/s); minimum, 48 ft³/s (1.36 m³/s) Aug. 23, 24 (gage height, 0.85 ft or 0.259 m).

Period of record: Maximum discharge, 10,200 ft³/s (289 m³/s) July 10, 1952 (gage height, 8.83 ft or 2.691 m present datum),

from rating curve extended above 4,000 ft³/s (113 m³/s); minimum, 6.8 ft³/s (0.19 m³/s) Sept. 24, 25, 1964.

Maximum discharge known, 23,400 ft³/s (663 m³/s) Nov. 25, 1950, by slope-area measurement (gage height, about 10.0 ft or 3.05 m present datum), from floodmarks.

REMARKS.--Records fair. Water-quality records for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	318	100	150	97	180	279	283	224	250	88	86	92
2	254	95	201	84	160	230	291	278	193	82	82	82
3	220	91	184	78	150	200	1320	250	199	78	78	75
4	194	130	152	97	140	180	859	516	300	75	78	68
5	174	212	144	84	140	170	504	623	287	69	82	64
6	156	220	135	75	160	170	394	440	707	68	80	73
7	146	174	130	88	140	166	331	742	510	64	129	68
8	138	156	2760	80	130	170	291	456	369	63	97	63
9	132	146	1520	258	120	140	258	369	354	76	82	84
10	124	138	635	160	120	140	247	317	287	90	71	68
11	119	132	440	425	110	140	243	287	243	66	66	63
12	114	132	354	527	110	142	228	440	592	61	64	154
13	111	596	300	317	118	179	210	721	687	99	61	151
14	111	327	262	210	110	140	196	598	430	137	59	101
15	111	267	232	180	110	130	210	435	350	274	56	86
16	166	227	224	170	113	120	206	435	326	126	94	82
17	168	209	220	150	108	130	247	350	291	90	82	76
18	141	191	192	170	103	140	295	308	239	78	64	71
19	124	178	173	170	108	493	558	279	210	104	60	116
20	116	223	160	140	99	2110	541	247	192	364	53	160
21	109	370	151	130	94	728	364	228	166	735	50	123
22	107	271	142	120	96	482	300	254	151	295	52	101
23	104	227	134	120	313	451	283	262	140	186	50	118
24	102	216	131	110	1740	499	430	250	131	151	80	158
25	109	223	134	270	1300	667	472	354	121	235	69	574
26	114	198	111	379	661	610	359	239	113	154	58	629
27	102	181	116	213	415	420	300	213	104	123	64	694
28	95	174	108	180	300	364	258	189	106	111	52	404
29	93	168	101	235	---	326	232	160	121	105	50	295
30	93	159	101	283	---	364	213	186	101	97	340	239
31	111	---	97	200	---	304	---	196	---	90	145	---
TOTAL MEAN	4276	6131	9894	5800	7448	10784	10923	10846	8270	4434	2534	5132
MAX	138	204	319	187	266	348	364	350	276	143	81.7	171
MIN	318	596	2760	527	1740	2110	1320	742	707	735	340	694
CFSM	93	91	97	75	94	120	196	160	101	61	50	63
IN.	2.10	3.11	4.86	2.85	4.05	5.30	5.55	5.34	4.21	2.18	1.25	2.61
	2.42	3.48	5.61	3.29	4.22	6.12	6.19	6.15	4.69	2.51	1.44	2.91

CAL YR 1974	TOTAL	77785	MEAN 213	MAX 2760	MIN 35	CFSM 3.25	IN 44.11
WTR YR 1975	TOTAL	86472	MEAN 237	MAX 2760	MIN 50	CFSM 3.61	IN 49.04

PEAK DISCHARGE (BASE, 3,000 CFS)

DATE	TIME	G. H.	DISCHARGE
12-08	1730	6.98	7,010
04-03	1430	4.75	3,220

DELAWARE RIVER BASIN

01436000 NEVERSINK RIVER AT NEVERSINK, N.Y.

LOCATION.--Lat 41°49'12", long 74°38'09", Sullivan County, on right bank at downstream end of outlet channel, 1,650 ft (503 m) downstream from Neversink Dam and State Highway 55, 1.7 mi (2.7 km) southwest of Neversink, and 2.6 mi (4.2 km) upstream from Wynkoop Brook.

DRAINAGE AREA.--91.9 mi² (238 km²).

PERIOD OF RECORD.--October 1941 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 1,255.24 ft (382.597 m) above mean sea level (Board of Water Supply, City of New York datum). Prior to Jan. 17, 1953, water-stage recorder at site 650 ft (198 m) downstream at datum 0.20 ft (0.061 m) lower. Jan. 17, 1953, to Apr. 16, 1954, water-stage recorder at present site at datum 0.41 ft (0.125 m) higher.

EXTREMES.--Current year: Maximum discharge, 1,230 ft³/s (34.8 m³/s) June 13 (gage height, 4.77 ft or 1.454 m); minimum, 4.2 ft³/s (0.12 m³/s) Nov. 22, 26, Dec. 3; minimum gage height, 2.44 ft (0.744 m) Apr. 4.

Period of record: Maximum discharge, 22,300 ft³/s (632 m³/s) Nov. 25, 1950, from rating curve extended above 2,600 ft³/s (73.6 m³/s) on basis of contracted-opening and critical-depth measurements of peak flow; maximum gage height, 11.65 ft (3.551 m) Sept. 27, 1942 (site and datum then in use); no flow for all or part of each day Sept. 22-24, Oct. 26-29, 1954.

REMARKS.--Records fair. Subsequent to June 1953, entire flow from 91.8 mi² (238 km²) of drainage area controlled by Neversink Reservoir (see Delaware River basin, reservoirs in). Part of flow diverted for New York City municipal supply (see Delaware River basin, reservoirs in). Remainder of flow (except for conservation release and spill) impounded for release during periods of low flow in the lower Delaware River basin, as directed by the Delaware River Master. Water-quality records for the current year are published in Section 2 of this report.

REVISIONS (WATER YEARS).--WRD N.Y. 1972: 1961 (M), 1968 (M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	9.2	4.8	5.7	6.0	6.0	5.7	15	15	15	18	31
2	15	4.7	5.2	5.7	6.0	5.8	5.7	15	15	15	30	23
3	14	4.7	4.8	5.7	5.7	5.8	6.8	15	15	16	30	17
4	15	4.8	4.7	5.7	5.7	5.8	5.2	15	14	15	30	18
5	15	4.9	4.8	5.7	5.7	5.8	5.5	15	15	15	31	17
6	15	4.7	5.7	6.2	5.7	5.8	5.3	15	15	15	25	17
7	15	4.7	5.0	5.7	6.4	5.8	8.4	15	21	15	16	17
8	15	4.7	6.2	5.7	5.5	5.8	14	15	41	16	15	17
9	15	4.7	5.7	6.2	5.5	5.8	14	15	101	17	20	17
10	14	4.7	5.5	5.8	5.5	5.8	15	15	144	15	30	18
11	15	4.8	5.7	6.0	5.5	5.8	15	15	159	15	21	17
12	15	5.0	5.7	6.0	5.7	6.0	15	15	500	15	20	21
13	15	5.3	5.7	6.0	5.5	6.0	14	15	1060	15	31	31
14	15	5.0	5.7	5.8	5.5	5.8	15	15	634	15	31	32
15	14	4.9	5.5	5.8	5.7	5.8	15	24	447	15	31	23
16	15	4.9	5.7	5.8	5.7	5.8	15	199	311	15	31	15
17	15	4.9	5.7	5.8	5.7	5.8	14	112	61	15	30	15
18	14	4.9	5.5	5.8	5.7	6.6	15	47	81	15	30	15
19	14	4.9	5.5	5.8	5.7	6.6	15	16	38	15	30	15
20	14	5.1	5.5	5.8	5.7	6.8	14	15	38	17	32	15
21	14	5.0	5.5	5.8	5.7	6.0	15	15	15	16	31	15
22	14	4.6	5.5	5.8	5.7	6.0	15	15	15	15	32	15
23	14	5.0	5.5	5.8	5.8	5.8	15	15	15	15	32	15
24	14	5.0	5.5	5.8	7.7	6.0	15	15	15	15	33	15
25	20	4.9	5.7	6.2	6.6	5.8	15	15	15	15	25	16
26	15	4.6	5.5	6.2	6.0	5.7	14	15	15	15	20	15
27	15	4.9	5.5	6.0	5.8	5.7	14	15	15	15	31	15
28	15	4.9	5.5	6.0	6.0	5.7	15	15	15	15	30	15
29	15	4.9	5.5	6.2	---	5.8	15	15	15	15	30	15
30	15	4.9	5.5	6.0	---	5.8	15	15	15	15	32	15
31	15	---	5.7	6.0	---	5.7	---	15	---	15	32	---
TOTAL	460	150.2	169.5	182.5	163.4	183.2	380.6	788	3875	472	860	542
MEAN	14.8	5.01	5.47	5.89	5.84	5.91	12.7	25.4	129	15.2	27.7	18.1
MAX	20	9.2	6.2	6.2	7.7	6.8	15	199	1060	17	33	32
MIN	14	4.6	4.7	5.7	5.5	5.7	5.2	15	14	15	15	15
CAL YR 1974	TOTAL	12161.0	MEAN	33.3	MAX	1080	MIN	4.2				
WTR YR 1975	TOTAL	8226.4	MEAN	22.5	MAX	1060	MIN	4.6				

DELAWARE RIVER BASIN

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01437500 NEVERSINK RIVER AT GODEFFROY, N.Y.

LOCATION.--Lat 41°26'28", long 74°36'07", Orange County, on right bank just upstream from highway bridge on Graham Road, 0.5 mi (0.8 km) downstream from Basher Kill, 0.8 mi (1.3 km) southeast of Godeffroy, 1.7 mi (2.7 km) south of Cuddebackville, and 8.5 mi (13.7 km) upstream from mouth.

DRAINAGE AREA.--302 mi² (782 km²).

PERIOD OF RECORD.--August to October 1903, August 1909 to April 1914 (gage heights and discharge measurements, also twice-daily figures of discharge for January 1911 to December 1912, which do not represent mean daily discharges because of diurnal fluctuation) and July 1937 to current year. August to October 1903, published as Navesink River at Godeffroy, N. Y.

GAGE.--Water-stage recorder. Datum of gage is 459.66 ft (140.104 m) above mean sea level (levels by Corps of Engineers). Prior to Apr. 30, 1914, nonrecording gages at same site (Aug. to Oct. 1903 at datum 0.98 ft (0.299 m) higher).

EXTREMES.--Current year: Maximum discharge, 4,210 ft³/s (119 m³/s) Dec. 8 (gage height, 6.82 ft or 2.079 m); minimum, 103 ft³/s (2.92 m³/s) Sept. 18, 19 (gage height, 2.94 ft or 0.896 m).
Period of record: Maximum discharge, 33,000 ft³/s (935 m³/s) Aug. 19, 1955 (gage height, 12.49 ft or 3.087 m), from rating curve extended above 11,000 ft³/s (312 m³/s) on basis of slope-area measurement of peak flow; practically no flow several times in July 1911.

REMARKS.--Records fair. Prior to 1949, diurnal fluctuation at low and medium flow caused by powerplant at Cuddebackville. Subsequent to June, 1953, entire flow from 91.8 mi² (238 km²) of drainage area controlled by Neversink Reservoir (see Delaware River basin, reservoirs in). Part of flow diverted for New York City municipal supply. Remainder of flow (except for conservation releases and spill), impounded for release during periods of low flow in the lower Delaware River basin, as directed by the Delaware River Master.

REVISIONS (WATER YEARS).--WSP 821: Drainage area. WSP 1502: 1951(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	420	198	200	326	540	1070	620	248	372	196	161	203
3	345	184	280	300	410	895	572	310	320	175	150	171
4	308	160	380	240	380	750	1380	340	310	161	150	154
5	280	170	320	200	360	600	1760	360	486	154	154	129
6	263	191	230	200	370	520	1220	616	408	141	164	120
7	246	230	210	200	380	533	1060	492	1360	132	164	120
8	230	212	230	200	380	495	928	1000	1190	126	248	123
9	215	191	1750	240	340	514	832	768	840	117	213	120
10	202	181	2660	593	330	400	744	608	688	126	175	144
11	198	170	1440	826	300	350	664	540	680	220	154	132
12	195	163	1090	851	280	404	608	486	594	174	154	114
13	198	163	903	1320	260	389	564	582	1040	141	144	123
14	191	593	793	1210	240	477	516	1470	3030	228	129	138
15	184	465	703	1000	240	495	462	1510	1990	516	144	141
16	212	394	620	800	260	436	438	992	1400	570	132	129
17	250	365	579	700	298	410	426	1080	1170	516	141	123
18	394	341	620	600	298	415	402	1060	952	372	168	108
19	336	317	579	520	303	430	378	776	672	315	161	103
20	289	298	508	500	317	593	372	672	564	270	138	123
21	289	312	465	470	336	3610	355	558	492	248	120	157
22	246	477	430	420	317	2410	345	486	408	510	114	150
23	242	442	410	400	317	1710	320	486	335	378	114	135
24	227	375	384	420	415	1380	305	888	295	285	111	161
25	219	350	375	350	1960	1240	340	600	265	240	157	450
26	209	341	415	400	3430	1320	444	688	244	438	206	1060
27	205	322	415	851	2260	1070	396	588	224	345	171	928
28	195	260	350	668	1630	851	345	492	213	280	154	840
29	184	250	300	566	1280	738	305	432	217	244	157	632
30	177	250	300	599	---	675	280	366	252	217	141	510
31	174	230	331	776	---	746	256	350	232	189	252	432
	191	---	317	648	---	731	---	420	---	174	330	---
TOTAL	7514	8595	18587	17394	18231	26657	17637	20264	21243	8198	5071	7973
MEAN	242	287	600	561	651	860	588	654	708	264	164	266
MAX	420	593	2660	1320	3430	3610	1760	1510	3030	570	330	1060
MIN	174	160	200	200	240	350	256	248	213	117	111	103
CAL YR 1974	TOTAL	164218	MEAN 450	MAX 2660	MIN 85							
WTR YR 1975	TOTAL	177364	MEAN 486	MAX 3610	MIN 103							

DELAWARE RIVER BASIN

01438500 Delaware River at Montague, N. J.

LOCATION.--Lat 41°18'33", long 74°47'44", Sussex County, on right bank 0.4 mi (0.6 km) upstream from toll bridge at Montague, 0.8 mi (1.3 km) downstream from Sawkill Creek, and at mile 246.3 (396.3 km).

DRAINAGE AREA.--3,480 mi² (9,013 km²).

PERIOD OF RECORD.--March 1936 to September 1939 (gage heights only, published as "at Milford, Pa."), October 1939 to current year. Monthly discharge only for some periods, published in WSP 1302.

GAGE.--Water-stage recorder. Datum of gage is 369.93 ft (112.755 m) above mean sea level. Prior to Feb. 9, 1940, nonrecording gage on upstream side of left span of subsequently dismantled bridge at present site at datum 70 ft (21.3 m) lower.

AVERAGE DISCHARGE.--36 years, 5,877 ft³/s (166.4 m³/s), unadjusted.

EXTREMES.--Current year: Maximum discharge, 62,100 ft³/s (1,760 m³/s) Feb. 25 (gage height, 17.52 ft or 5.340 m); minimum, 1,210 ft³/s (34.3 m³/s) July. 9; minimum daily, 1,530 ft³/s (43.3 m³/s) Sept. 7.

Period of record: Maximum discharge, 250,000 ft³/s (7,080 m³/s) Aug. 19, 1955 (gage height, 35.15 ft or 10.714 m); from rating curve extended above 90,000 ft³/s (2,550 m³/s) on basis of flood-routing study; minimum, 382 ft³/s (10.8 m³/s) Aug. 24, 1954, gage height, 3.83 ft (1.167 m); minimum daily, 412 ft³/s (11.7 m³/s) Aug. 23, 1954.

Maximum stage during period 1903-75, 35.5 ft (10.82 m) Oct. 10, 1903, present datum, from floodmark.

REMARKS.--Records excellent. Diurnal fluctuations at medium and low flow caused by powerplants on tributary streams. Flow regulated by Lake Wallenpaupack and by Pepacton, Cannonsville, Swinging Bridge, Toronto, Cliff Lake, and Neversink Reservoirs (see Delaware River Basin, reservoirs in) and smaller reservoirs. Diversion from Pepacton, Cannonsville, and Neversink Reservoirs (see Delaware River Basin, diversions). Records of water quality for the current year are published in Section 2 of New Jersey report

REVISIONS--WRD-NJ 1974: latitude - longitude.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9710	2160	4170	4660	9830	17600	10400	3930	3630	2990	2380	4860
2	7500	1960	4680	3900	8610	13900	9080	4040	3680	2730	1750	3410
3	6080	2030	5910	4280	7990	11700	11600	4610	3720	2450	1980	3290
4	5230	1810	5330	3780	7780	10400	26300	4580	4120	2100	1760	2690
5	4480	1750	4430	3050	7000	8940	22800	8550	4480	1670	2070	2490
6	4020	2650	4020	3040	6740	8190	17800	9110	9320	1720	2100	2160
7	3750	3590	3590	3940	7090	7640	14600	12800	16400	1730	2970	1530
8	3410	3410	9260	3900	5610	7040	13200	15800	12500	2000	3450	1620
9	3250	2950	43600	5390	4870	6130	11100	12900	9260	1640	2790	2490
10	3140	2610	29300	11800	4400	5540	9870	10900	8550	2030	1750	2340
11	3680	2850	19700	11300	5190	6240	9130	9240	8050	2380	1700	2300
12	3700	2950	15300	20400	4600	5960	8220	8630	7770	2360	2030	2210
13	3430	6800	12900	20500	5000	6090	7540	12700	15600	2090	1800	1930
14	2470	11600	11000	16800	4800	6310	7170	15600	14500	2910	1730	2340
15	2950	9130	9280	13000	4200	5840	6840	14500	10900	3680	1750	2160
16	2450	8020	8590	11700	4200	5100	6310	13500	9680	3080	1830	2340
17	3320	6950	9570	10400	3720	4690	5830	13000	9060	2300	2050	2070
18	4360	6400	9220	9070	4800	5520	5480	10700	7680	2340	2280	1950
19	3650	5820	7710	7290	5150	5820	5270	9780	6630	2320	2050	1900
20	2510	5430	7250	7890	4880	22000	5080	9350	6050	1560	1950	1900
21	2340	7380	6530	7250	4550	31600	5730	8020	4830	3590	1900	2030
22	3230	9390	5420	5730	3780	21800	5540	7190	3790	7010	1980	2510
23	3120	7320	5320	5850	4190	17900	5120	7920	3490	4510	2030	3210
24	2450	6370	5680	5590	19400	16200	4900	6980	3840	3360	2140	4580
25	2610	6340	5430	5610	57800	18200	5750	6220	2610	4290	3360	13600
26	2230	6370	5680	8720	45900	17500	5850	5330	2590	4780	3540	25900
27	2190	5710	5790	11000	31500	15700	5070	4730	2450	3950	2950	19000
28	2190	5010	5150	9260	22600	12800	4820	4610	2300	3630	2320	15400
29	2390	4800	4340	9000	---	10700	4650	3680	2300	3630	1950	11700
30	2230	4330	4310	11400	---	10400	4350	3380	2570	2550	2260	9600
31	2160	---	5040	11500	---	11300	---	3490	---	2530	8270	---
TOTAL	110230	153890	283500	267000	306180	354750	265400	265770	202350	89910	74870	155510
MEAN	3556	5130	9145	8613	10940	11440	8847	8573	6745	2900	2415	5184
MAX	9710	11600	43600	20500	57800	31600	26300	15800	16400	7010	8270	25900
MIN	2160	1750	3590	3040	3720	4690	4350	3380	2300	1560	1700	1530

CAL YR 1974 TOTAL 2381860 MEAN 6526 MAX 43600 MIN 1280
WTR YR 1975 TOTAL 2529360 MEAN 6930 MAX 57800 MIN 1530

Reservoirs in Delaware River basin

01416900 PEPACTION RESERVOIR.--Lat 42°04'38", long 74°58'04", Delaware County, near release chamber at Downsville Dam on East Branch Delaware River, 1.6 mi (2.6 km) east of Downsville, N. Y. Drainage area, 371 mi² (961 km²). Period of record, September 1954 to current year. Gage, water-stage recorder. Datum of gage is at mean sea level (levels by Board of Water Supply, City of New York). Extremes for current year: Maximum contents observed, 152,492 mil gal (577.2 hm³) Feb. 26 (elevation, 1,281.45 ft or 390.586 m); minimum observed, 125,351 mil gal (474.5 hm³) Nov. 12 (elevation, 1,266.07 ft or 385.898 m). Extremes for period of record: maximum contents observed, 154,027 mil gal (583.0 hm³) Apr. 5, 1960 (elevation, 1,282.27 ft or 390.836 m); minimum observed (after first filling), 9,575 mil gal (36.24 hm³) Dec. 26, 1964 (elevation, 1,151.92 ft or 351.105 m).

Reservoir is formed by an earth-fill, rock-faced dam; storage began Sept. 15, 1954. Usable capacity 140,190 mil gal (530.6 hm³) between minimum operating level (elevation, 1,152.0 ft or 351.13 m) and crest of spillway (elevation, 1,280.0 ft or 390.14 m). Capacity: at crest of spillway 149,700 mil gal (566.6 hm³); at minimum operating level, 9,609 mil gal (36.37 hm³); at sill of diversion tunnel (elevation, 1,143.0 ft or 348.39 m), 6,098 mil gal (23.08 hm³); in dead storage below release outlet (elevation, 1,126.50 ft or 343.357 m), 1,898 mil gal (7.184 hm³). Figures given herein represent total contents. Reservoir impounds water for diversion through East Delaware Tunnel to Rondout Reservoir on Rondout Creek, in Hudson River basin (see elsewhere in this section), for water supply of City of New York; for release during periods of low flow in the lower Delaware River basin, as directed by the Delaware River Master, and for conservation release. No diversion prior to Jan. 6, 1955. Records furnished by Board of Water Supply and Department of Water Resources, City of New York.

01424997 CANNONVILLE RESERVOIR.--Lat 42°03'46", long 75°22'29", Delaware County, in emergency gate tower at Cannonville dam on West Branch Delaware River, 1.8 mi (2.9 km) southeast of Stilesville, N. Y. Drainage area 454 mi² (1,176 km²). Period of record, October 1963 to current year. Gage, water-stage recorder. Datum of gage is at mean sea level (levels by Board of Water Supply, City of New York). Extremes for current year: maximum contents observed, 105,539 mil gal (399.5 hm³) Feb. 26 (elevation, 1,154.30 ft or 351.831 m); minimum observed, 93,628 mil gal (354.4 hm³) Aug. 30 (elevation, 1,146.72 ft or 349.520 m). Extremes for period of record: maximum contents observed, 107,348 mil gal (393.8 hm³) Apr. 21, 1972 (elevation, 1,155.40 ft or 352.166 m); minimum observed (after first filling) 11,901 mil gal (45.05 hm³) Nov. 7, 1968 (elevation, 1,066.24 ft or 324.990 m). Reservoir is formed between minimum operating level (elevation, 1,040.0 ft or 316.99 m) and crest of spillway (elevation, 1,150.0 ft or 350.52 m). Capacity, at crest of spillway, 98,618 mil gal (373.3 hm³); at minimum operating level, 2,912 mil gal (11.02 hm³); at mouth of inlet channel to diversion tunnel (elevation, 1,035.0 ft or 315.47 m), 1,892 mil gal (7.161 hm³); in dead storage below release outlet (elevation, 1,020.5 ft or 311.05 m), 328 mil gal (1.241 hm³). Figures given herein represent total contents. Impounded water is diverted for New York City water supply via West Delaware Tunnel to Rondout Reservoir in Hudson River basin (see elsewhere in this section); is released in Delaware River for downstream low flow augmentation as directed by Delaware River Master; and is released for conservation flow in the Delaware River. No diversion prior to January 29, 1964. Records furnished by Board of Water Supply, City of New York.

REVISIONS (WATER YEARS).--WRD N.Y. 1972: 1966.

01433000 SWINGING BRIDGE RESERVOIR.--Lat 41°34'25", long 74°47'00", Sullivan County, at dam on Mongaup River, 1.8 mi (2.9 km) northwest of Fowlersville, N. Y. Drainage area 118 mi² (306 km²) (excluding Cliff Lake, Lebanon Lake, and Toronto Reservoir). Period of record, January 1930 to current year. Gage, water-stage recorder. Datum of gage is at mean sea level (levels by Orange and Rockland Utilities, Inc.). All capacity figures given herein are based on zero storage at minimum operating pool level (1,010 ft or 308 m). Extremes for current year: maximum contents, 1440.8 mil ft³ (40.8 hm³) Mar. 26 (elevation, 1,071.3 ft or 326.53 m); minimum, 975.9 mil ft³ (27.6 hm³) Feb. 19 (elevation, 1,059.0 ft or 322.78 m). Extremes for period of record: maximum contents 1,457.4 mil ft³ (41.3 hm³) Mar. 18, 1936, Oct. 15, 1955 and June 29, 1973 (elevation, 1,071.7 ft or 326.65 m); minimum (after first filling) -141.4 mil ft³ (-4.00 hm³) Dec. 2, 1938 (elevation, 987.5 ft or 300.99 m).

Reservoir is formed by an earth-fill dam. Storage began Jan. 19, 1930. Usable capacity, 1,436.6 mil ft³ (40.7 hm³) between elevations 1,010.0 ft (307.85 m) (minimum operating pool) and 1,071.2 ft (326.50 m) (top of flashboards). Capacity below elevation, 1,010.0 ft (307.85 m) (minimum operating pool) about 212.7 mil ft³ (6.02 hm³). Reservoir is used for storage of water for power. Figures given herein represent contents above 1,010.0 ft (307.85 m). Water is received from Cliff Lake, Lebanon Lake, and Toronto Reservoir. Records furnished by Orange and Rockland Utilities, Inc.

REVISIONS (WATER YEARS).--WSP 1552: 1951-54.

01433100 TORONTO RESERVOIR.--Lat 41°37'15", long 74°49'55", Sullivan County, at dam on Black Lake Creek, 2.5 mi (4.0 km) southeast of village of Black Lake, N. Y. Drainage area 23.2 mi² (60.1 km²). Period of record, January 1926 to current year. Nonrecording gage. Datum of gage is at mean sea level (levels by Orange and Rockland Utilities, Inc.). All capacity figures given herein are based on zero storage at minimum operating pool level (1,165.0 ft or 355.09 m). Extremes for current year: maximum contents observed, 1,116.2 mil ft³ (31.61 hm³) May 16, June 13 (elevation 1220.5 ft or 372.01 m); minimum observed 250.2 mil ft³ (7.09 hm³) Dec. 6 (elevation, 1,187.3 ft or 361.89 m). Extremes for period of record: maximum contents observed 1,171.2 mil ft³ (33.2 hm³) July 20, 1945 (elevation 1,222.0 ft or 372.47 m); minimum observed (after first filling), -26.8 mil ft³ (-0.759 hm³) Nov. 15, 1928 (elevation 1,144.5 ft or 348.84 m).

Reservoir is formed by an earth-fill dam completed July 24, 1926. Storage began Jan. 13, 1926. Usable capacity 1,098.2 mil ft³ (31.1 hm³) between elevations 1,165.0 ft (355.09 m) (minimum operating pool) and 1,220.0 ft (371.86 m) (top of permanent flashboards). Capacity below elevation 1,165.0 ft (355.09 m) (minimum operating pool) about 26.8 mil ft³ (0.759 hm³). Reservoir is used for storage of water for power. Figures given herein represent contents above 1,165.0 ft (355.09 m). Records furnished by Orange and Rockland Utilities, Inc.

REVISIONS (WATER YEARS).--Wsp 1552: 1951-54. WSP 1702: 1959 (M).

01433200 CLIFF LAKE.--Lat 41°35'00", long 74°47'40", Sullivan County, at dam on Black Lake Creek, 2.5 mi (4.0 km) northwest of Fowlersville, N.Y. Drainage area, 6.46 mi² (16.7 km²) (excluding area above Toronto Reservoir). Period of record, January 1939 to current year. Nonrecording gage. Datum of gage is at mean sea level (levels by Orange and Rockland Utilities, Inc.). All capacity figures given herein are based on zero storage at minimum operating pool level (1,043.3 ft or 318.00 m). Extremes for current year: maximum contents observed 131.9 mil ft³ (3.735 hm³) Dec. 10 (elevation, 1071.5 ft or 326.59 m); minimum observed, 51.4 mil ft³ (1.456 hm³) Feb. 19 (elevation, 1059.5 ft or 322.94 m). Extremes for period of record: maximum contents observed, 145.44 mil ft³ (4.12 hm³) July 30, 1945 (elevation 1,073.1 ft or 327.08 m); minimum observed (after first filling), about -6.54 mil ft³ (-0.185 hm³) Mar. 16, 1963 (elevation 1,038.0 ft or 316.38 m).

Reservoir is formed by a concrete gravity-type dam. Storage began Jan. 6, 1939. Usable capacity, 136.06 mil ft³ (3.85 hm³) between elevations 1,043.3 ft (318.00 m) (minimum operating pool) and 1,072.0 ft (326.75 m) (top of permanent flashboards). Capacity below elevation 1,043.3 ft (318.00 m) (minimum operating pool) about 6.54 mil ft³ (0.185 hm³). Reservoir is used for storage of water for power. Water is received from Toronto and Lebanon Lake reservoirs and is discharged through a tunnel into Swinging Bridge Reservoir. Figures given herein represent contents above 1,043.3 ft (318.00 m). Records furnished by Orange and Rockland Utilities, Inc.

REVISIONS (WATER YEARS).--WSP 1552: 1951-54. The minimum observed contents for the water year 1974 has been revised to 37.7 mil ft³ (1.068 hm³) Feb. 22 (elevation, 1056.5 ft or 322.02 m), superseding figures published in WRD NY 1974.

DELAWARE RIVER BASIN

Reservoirs in Delaware River basin--Continued

01435900 NEVERSINK RESERVOIR.--Lat 41°49'40", long 74°38'21", Sullivan County, at a gatehouse at Neversink Dam on Neversink River, 2 mi (3 km) southwest of Neversink, N.Y. Drainage area, 91.8 mi² (238 km²). Period of record, June 1953 to current year. Nonrecording gage read daily at 0900. Datum of gage is at mean sea level (levels by Board of Water Supply, City of New York). Extremes for current year: maximum contents observed, 37,534 mil gal (142.1 hm³) June 13 (elevation, 1,440.78 ft or 439.150 m); minimum observed, 17,389 mil gal (65.82 hm³) Dec. 7 (elevation, 1,391.19 ft or 424.035 m). Extremes for period of record: maximum contents observed, 37,978 mil gal (143.7 hm³) Apr. 25, 1961 (elevation, 1,441.67 ft or 439.421 m); minimum observed (after first filling), 1,985 mil gal (7.513 hm³) Nov. 25, 1964 (elevation 1,316.98 ft or 401.415 m).

Reservoir is formed by an earth-fill, rock-faced dam; storage began June 2, 1953. Usable capacity 34,941 mil gal (132.25 hm³) between minimum operating level (elevation, 1,319.0 ft or 402 m) and crest of spillway (elevation, 1,440.0 ft or 438.9 m). Capacity at crest of spillway 37,146 mil gal (140.6 hm³); at minimum operating level 2,205 mil gal (8.35 hm³); dead storage below diversion sill and outlet sill (elevation 1,314.0 ft or 400.5 m), 1,680 mil gal (6.36 hm³). Figures given herein represent total contents. Reservoir impounds water for diversion through Neversink-Grahamsville Tunnel to Rondout Reservoir on Rondout Creek, in Hudson River basin, for water supply of City of New York (see elsewhere in this section); for release during periods of low flow in the lower Delaware River basin, as directed by the Delaware River Master, and for conservation release. No diversion prior to Dec. 3, 1953. Records furnished by Board of Water Supply, and Department of Water Resources, City of New York.

MONTHEND ELEVATION AND CONTENTS, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

Date	Elevation (feet)	Contents (million gallons)	Change in contents (equivalent in cfs)	Elevation (feet)	Contents (million gallons)	Change in contents (equivalent in cfs)	Elevation (feet)	Contents (millions cubic feet)	Change in contents (equivalent in cfs)
	01416900 Pepacton Reservoir †			01424997 Cannonsville Reservoir †			01433000 Swinging Bridge Reservoir †		
Sept. 30	1269.49	131,132		1151.50	101,032		1066.3	1,241	
Oct. 31	1267.12	127,110	- 201	1150.10	98,779	- 112	1065.7	1,218	- 8.6
Nov. 30	1269.12	130,498	+ 175	1151.02	100,259	+ 76.3	1066.0	1,229	+ 4.2
Dec. 31	1276.63	143,657	+ 657	1150.45	99,342	- 45.8	1063.2	1,124	- 39.1
CAL YR 1974	-	-	+ 21.1	-	-	- 6.48	-	-	- 6.4
Jan. 31	1280.35	150,448	+ 339	1151.64	101,257	+ 95.6	1063.0	1,117	- 2.6
Feb. 28	1280.65	151,003	+ 30.7	1152.39	102,465	+ 66.8	1069.9	1,383	+110
Mar. 31	1280.36	150,466	- 26.8	1151.44	100,935	- 76.4	1070.7	1,457	+ 27.6
Apr. 30	1280.08	149,947	- 26.8	1150.50	99,422	- 78.0	1065.5	1,210	- 95.1
May 31	1279.62	149,100	- 42.3	1150.44	99,326	- 4.79	1065.2	1,199	- 4.1
June 30	1278.73	147,466	- 84.3	1150.08	98,747	- 29.9	1064.1	1,158	- 15.8
July 31	1277.25	144,776	- 134	1150.34	99,165	+ 20.9	1067.8	1,299	+ 52.5
Aug. 31	1273.21	137,579	- 359	1146.98	94,024	- 257	1068.9	1,343	+ 16.4
Sept. 30	1272.65	136,598	- 50.6	1151.59	101,177	+ 369	1066.0	1,229	- 43.9
WTR YR 1975	-	-	+ 23.2	-	-	+ 0.61	-	-	- 0.4
Date	Elevation (feet)	Contents (millions cubic feet)	Change in contents (equivalent in cfs)	Elevation (feet)	Contents (millions cubic feet)	Change in contents (equivalent in cfs)	Elevation (feet)	Contents (million gallons)	Change in contents (equivalent in cfs)
	01433100 Toronto Reservoir †			01432000 Cliff Lake Reservoir †			01435900 Neversink Reservoir †		
Sept. 30	1205.5	658		1069.7	117		1403.46	21,578	
Oct. 31	1195.2	404	- 94.6	1070.4	123	+ 2.2	1393.67	18,192	-169
Nov. 30	1188.0	262	- 54.7	1070.0	120	- 1.2	1392.33	17,756	- 22.5
Dec. 31	1195.6	413	+ 56.2	1066.0	90.3	- 11.1	1402.13	21,097	+167
CAL YR 1974	-	-	- 2.3	-	-	- 1.4	-	-	- 29.2
Jan. 31	1202.3	574	+ 60.0	1062.9	70.5	- 7.4	1405.14	22,192	+ 54.7
Feb. 28	1208.2	731	+ 64.7	1069.5	116	+ 18.8	1414.36	25,734	+196
Mar. 31	1214.7	920	+ 70.4	1071.0	128	+ 4.5	1430.66	32,702	+348
Apr. 30	1218.3	1,039	+ 45.8	1065.6	87.6	- 15.6	1436.81	35,589	+149
May 31	1220.2	1,098	+ 22.0	1067.7	102	+ 5.4	1437.83	36,081	+ 24.6
June 30	1219.1	1,067	- 11.9	1066.1	91.0	- 4.2	1437.40	35,874	- 10.7
July 31	1211.7	830	- 88.5	1070.2	121	+ 11.2	1428.77	31,844	-201
Aug. 31	1204.0	618	- 79.0	1071.2	129	+ 3.0	1414.10	25,630	-310
Sept. 30	1200.2	521	- 37.3	1066.5	93.7	- 13.6	1404.73	22,041	-185
WTR YR 1975	-	-	- 4.3	-	-	- 0.7	-	-	+ 1.96

† Elevation at 2400.

‡ Elevation at 0900 first day of following month.

DELAWARE RIVER BASIN

Reservoirs in Delaware River basin--Continued

Diversions from Delaware River basin

- 01415200 Diversion from Pepacton Reservoir, N.Y. (see preceding pages) on East Branch Delaware River to Rondout Reservoir on Rondout Creek, in Hudson River basin, for municipal supply of City of New York. No diversion prior to Jan. 6, 1955. Records furnished by Board of Water Supply and Department of Water Resources, City of New York.
REVISIONS (Water Years).--WRD N.Y. 1972: 1970.
- 014239000 Diversion from Cannonsville Reservoir, N.Y. (see preceding pages) on West Branch Delaware River to Rondout Reservoir on Rondout Creek, in Hudson River basin, for municipal supply of City of New York. No diversion prior to Jan. 29, 1964. Records furnished by Board of Water Supply, City of New York.
- 01435800 Diversion from Neversink Reservoir, N.Y. (see preceding pages) on Neversink River to Rondout Reservoir on Rondout Creek, in Hudson River basin, for municipal supply of City of New York. No diversion prior to Dec. 3, 1953. Records furnished by Board of Water Supply and Department of Water Resources, City of New York.

Diversion, in cubic feet per second, water year October 1974 to September 1975

Month	01415200 Pepacton Reservoir	01423900 Cannonsville Reservoir	01435800 Neversink Reservoir
October	698	28.9	323
November	696	132	290
December	698	161	288
CAL YR 1974	660	91.4	292
January	697	120	216
February	695	107	141
March	568	90.2	126
April	543	66.2	304
May	552	53.1	410
June	543	67.7	243
July	646	26.7	453
August	678	0	398
September	696	0	402
WTR YR 1975	642	70.9	301

SUSQUEHANNA RIVER BASIN

01496500 OAKS CREEK AT INDEX, N.Y.

LOCATION.--Lat 42°39'56", long 74°57'36", Otsego County, on right bank 200 ft (61 m) upstream from bridge on State Highway 28 at Index, 0.5 mi (0.8 km) upstream from mouth, and 3 mi (5 km) southwest of Cooperstown.

DRAINAGE AREA.--102 mi² (264 km²).

PERIOD OF RECORD.--November 1929 to September 1932, March 1937 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 1,174.50 ft (357.988 m) above mean sea level (levels by Corps of Engineers). Prior to Sept. 30, 1932, nonrecording gage at different datum.

AVERAGE DISCHARGE.--40 years (1930-32, 1937-75), 168 ft³/s (4.758 m³/s) (22.37 in/yr or 568.2 mm/yr).

EXTREMES.--Current year: Maximum discharge, 992 ft³/s (28.1 m³/s) Apr. 3 (gage height, 4.98 ft or 1.518 m); minimum daily, 11 ft³/s (0.31 m³/s) Aug. 19-22.

Period of record: Maximum discharge, 2,550 ft³/s (72.2 m³/s) Jan. 22, 1959 (gage height, 6.87 ft or 2.094 m); minimum, 1.3 ft³/s (0.037 m³/s) Aug. 4, 5, 1962 (gage height, 1.79 ft or 0.546 m).

REMARKS.--Records poor. Prior to June 1964, flow regulated by natural storage in Canadarago Lake, thereafter by dam at outlet.

REVISIONS.--WRD N.Y. 1968: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												100
2	22	37	250	140	290	400	374	345	66	28	27	90
3	27	38	240	130	260	374	351	419	63	24	24	70
4	57	37	220	120	240	355	586	393	72	22	28	58
5	48	51	210	130	210	328	500	411	131	20	27	48
	40	110	200	130	210	312	470	480	100	18	32	
6												
7	36	137	210	110	200	295	450	436	228	17	34	35
8	34	106	220	120	190	281	400	546	228	16	28	34
9	34	100	371	120	180	250	370	463	200	15	28	51
10	37	99	636	150	170	230	320	431	189	18	28	53
	38	151	477	200	160	230	310	402	167	20	28	50
11												
12	33	154	439	316	150	220	310	373	152	18	27	50
13	34	148	427	497	150	210	310	370	167	16	25	50
14	34	359	410	369	140	210	300	398	235	14	24	50
15	31	304	390	322	130	200	300	343	175	14	22	50
	38	293	370	286	110	200	310	315	96	14	21	50
16												
17	61	266	350	270	110	190	341	340	72	14	19	50
18	65	251	330	250	120	200	383	303	75	23	17	52
19	55	240	320	210	120	200	424	279	69	16	12	48
20	50	229	300	200	130	210	525	261	66	14	11	70
	50	271	293	190	120	510	550	242	66	19	11	92
21												
22	47	397	274	190	120	447	511	222	59	31	11	136
23	43	366	250	180	117	421	481	192	52	22	11	173
24	43	317	240	180	149	436	457	110	47	18	12	177
25	41	335	230	180	386	459	488	119	45	17	16	214
	41	371	210	190	639	553	488	170	43	48	15	378
26												
27	43	348	200	200	496	579	449	145	39	34	15	486
28	40	317	190	210	440	467	419	80	36	32	35	521
29	38	300	190	230	416	462	392	70	34	28	50	437
30	37	280	180	260	---	445	365	60	33	28	80	398
31	37	270	170	378	---	427	339	64	31	28	100	368
	37	---	150	304	---	392	---	72	---	28	120	---
TOTAL												
MEAN	1271	6682	8947	6762	6153	10493	12273	8854	3036	674	938	4439
MAX	41.0	223	289	218	220	338	409	286	101	21.7	30.3	148
MIN	65	397	636	497	639	579	586	546	235	48	120	521
CFSM	22	37	150	110	110	190	300	60	31	14	11	34
IN.	.40	2.19	2.83	2.14	2.16	3.31	4.01	2.80	.99	.21	.30	1.45
	.46	2.44	3.26	2.47	2.24	3.83	4.48	3.23	1.11	.25	.34	1.62
CAL YR 1974	TOTAL	69416	MEAN 190	MAX 646	MIN 15	CFSM 1.86	IN 25.32					
WTR YR 1975	TOTAL	70522	MEAN 193	MAX 639	MIN 11	CFSM 1.89	IN 25.72					

PEAK DISCHARGE (BASE, 900 CFS).--Apr. 3 (2130) 992 cfs (4.98 ft).

SUSQUEHANNA RIVER BASIN

01498500 CHARLOTTE CREEK AT WEST DAVENPORT, N.Y.

LOCATION.--Lat 42°26'42", long 74°57'50", Delaware County, on right bank at downstream side of bridge on County Highway 11 at West Davenport, 700 ft (213 m) upstream from small tributary, and 1.7 mi (2.7 km) downstream from Pumpkin Hollow.

DRAINAGE AREA.--167 mi² (433 km²).

PERIOD OF RECORD.--June 1938 to current year (discontinued). Prior to October 1956, published as "at Davenport Center".

GAGE.--Water-stage recorder. Datum of gage is 1,170.69 ft (356.826 m) above mean sea level. Prior to Oct. 1, 1956, water-stage recorder at site 1.7 mi (2.7 km) upstream at different datum.

AVERAGE DISCHARGE.--37 years, 251 ft³/s (7.108 m³/s), 20.41 in/yr (518.4 mm/yr).

EXTREMES.--Current year: Maximum discharge, 3,490 ft³/s (98.8 m³/s) Feb. 25 (gage height, 6.63 ft or 2.021 m); minimum, 21 ft³/s (0.59 m³/s) Aug. 23, 24 (gage height, 1.00 ft or 0.305 m).

Period of record: Maximum discharge, 14,000 ft³/s (396 m³/s) Sept. 22, 1938 (gage height, 9.65 ft (2.941 m), site and datum then in use, from floodmarks), from rating curve extended above 5,000 ft³/s (142 m³/s) on basis of slope-area measurement of peak flow; minimum, 4.5 ft³/s (0.13 m³/s) Sept. 2, 3, 1939 (gage height, 0.16 ft (0.049 m), site and datum then in use).

REMARKS.--Records good except those for winter periods, which are fair.

REVISIONS (WATER YEARS).--WSP 921: 1938-39.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	336	90	200	140	400	608	371	286	135	44	28	58
2	448	91	210	130	300	485	353	456	125	40	26	46
3	333	85	220	120	280	415	1140	363	116	38	25	43
4	313	131	200	130	230	348	1150	372	188	36	27	39
5	279	352	150	140	230	324	772	451	135	34	46	34
6	250	500	180	100	220	303	650	429	335	32	37	32
7	226	344	193	120	210	294	540	1460	278	38	114	33
8	205	303	1290	120	200	290	480	783	209	40	112	30
9	187	279	1580	240	180	190	440	623	241	35	65	34
10	174	254	860	310	160	200	420	524	193	44	46	34
11	159	240	666	899	160	210	420	463	150	37	40	29
12	145	228	592	1120	160	210	410	451	279	32	39	36
13	137	1070	540	745	150	210	390	568	338	30	37	63
14	126	629	480	587	140	200	360	482	227	33	33	45
15	129	605	420	473	130	180	380	378	182	34	30	37
16	188	482	380	400	130	180	396	509	160	32	28	33
17	273	420	360	340	140	200	418	393	176	31	32	32
18	183	378	340	300	150	200	415	335	141	28	31	31
19	151	337	300	330	160	260	500	311	121	26	27	35
20	139	407	270	300	150	983	515	276	116	56	25	53
21	129	915	250	230	160	708	435	274	99	194	23	251
22	122	634	240	200	164	584	357	267	87	90	22	140
23	132	486	220	200	314	626	322	246	78	54	22	146
24	124	482	220	200	1680	681	407	254	72	43	25	204
25	120	509	220	300	2920	982	442	187	64	161	30	745
26	126	424	190	350	1390	812	354	159	60	81	26	710
27	112	329	180	360	915	534	309	150	56	50	26	1260
28	103	310	180	330	711	487	288	145	53	44	25	636
29	99	290	160	300	---	489	265	119	61	39	23	469
30	94	250	150	761	---	484	244	129	52	33	114	364
31	93	---	140	466	---	405	---	157	---	30	110	---
TOTAL	5635	11854	11581	10741	12134	13082	13943	12000	4527	1539	1294	5702
MEAN	182	395	374	346	433	422	465	387	151	49.6	41.7	190
MAX	448	1070	1580	1120	2920	983	1150	1460	338	194	114	1260
MIN	93	85	140	100	130	180	244	119	52	26	22	29

CAL YR 1974 TOTAL 105740 MEAN 290 MAX 1580 MIN 24
WTR YR 1975 TOTAL 104032 MEAN 285 MAX 2920 MIN 22

PEAK DISCHARGE (BASE, 2,600 CFS).--Feb. 25 (0430) 3,490 (6.63 ft).

SUSQUEHANNA RIVER BASIN

01499500 EAST SIDNEY LAKE AT EAST SIDNEY, N.Y.

LOCATION.--Lat 42°19'40", long 75°13'42", Delaware County, at East Sidney Dam on Oulecut Creek, 0.3 mi (0.5 km) upstream from bridge on County Highway 44 at East Sidney, 4.4 mi (7.1 km) upstream from mouth, and 4.5 mi (7.2 km) east of Unadilla.

DRAINAGE AREA.--103 mi² (267 km²).

PERIOD OF RECORD.--November 1949 to September 1952 (monthly elevations and contents), October 1952 to current year. Prior to October 1970, published as East Sidney Reservoir at East Sidney.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers).

EXTREMES.--Current year: Maximum elevation, 1,172.25 ft (357.302 m) Feb. 26 (contents, 10,612 acre-ft or 13.1 hm³); minimum, 1,138.27 ft (346.945 m) Apr. 22 (contents, 1,422 acre-ft or 1.75 hm³).
 Period of record: Maximum elevation, 1,194.4 ft (364.05 m) Apr. 6, 1960 (contents, 25,100 acre-ft or 30.9 hm³); minimum, 1,115.0 ft (339.85 m) Aug. 31, 1953, Sept. 7-26, Nov. 4, 1964 (contents, 56 acre-ft or 0.07 hm³).

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. Useable capacity, 33,550 acre-ft (41.4 hm³) between elevations 1,115.0 ft (339.85 m) (sill of conduits) and 1,203.0 ft (366.67 m) (crest of spillway). Dead storage, 56 acre-ft (.07 hm³). 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.

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

REVISIONS.--WRD N.Y. 1968: Drainage area.

Capacity table (elevation, in feet, and useable contents, in acre-feet)
 (Based on field survey by Corps of Engineers in 1938)

1,135.0	1,080	1,160.0	5,910
1,140.0	1,630	1,170.0	9,610
1,145.0	2,360	1,180.0	14,610
1,150.0	3,280	1,190.0	21,370

*GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1974 TO SEPTERRER 1975
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	50.93	50.44	50.77	40.28	40.30	54.26	39.38	41.94	50.55	50.84	50.34	50.14
3	50.46	50.58	50.04	40.09	40.17	42.55	39.44	44.19	50.59	50.74	50.38	50.12
4	50.51	50.70	48.31	39.89	40.31	40.34	41.52	46.02	50.54	50.62	50.43	50.13
5	50.51	50.89	46.12	40.37	40.41	40.68	40.97	47.68	50.79	50.49	50.48	50.11
	50.52	51.38	42.44	40.89	41.03	40.72	40.51	50.08	50.86	50.38	50.65	50.16
6												
7	50.21	51.79	40.60	41.02	40.84	40.52	41.31	51.62	50.92	50.42	50.75	50.23
8	50.01	51.18	40.41	41.21	40.35	40.07	40.01	52.73	50.66	50.50	50.85	50.29
9	50.17	51.33	44.54	40.73	40.30	40.34	39.29	50.21	49.70	50.54	50.85	50.34
10	50.41	50.81	51.18	40.70	40.94	39.91	39.14	49.76	50.57	50.57	50.49	50.44
	50.60	50.09	54.20	40.97	40.57	40.10	39.11	49.72	51.03	50.80	50.28	50.52
11												
12	50.70	50.34	46.09	43.05	40.47	40.81	40.10	50.34	50.79	50.96	50.25	50.57
13	50.73	50.53	40.14	42.09	40.35	41.05	40.58	50.80	50.66	50.92	50.36	50.71
14	50.71	54.14	40.22	40.16	40.14	41.03	40.51	49.44	50.82	50.65	50.47	50.98
15	50.65	53.25	40.54	40.52	40.10	40.57	40.05	46.52	50.41	50.41	50.52	50.73
	50.56	50.96	40.32	39.70	40.45	39.67	39.86	45.14	50.20	50.31	50.55	50.39
16												
17	50.66	51.24	39.90	40.69	40.35	39.01	40.21	48.01	50.31	50.28	50.55	50.45
18	51.17	50.82	40.70	40.46	40.08	39.10	40.53	50.45	50.49	50.38	50.35	50.57
19	50.97	50.42	40.27	40.30	40.17	39.33	40.67	50.85	50.54	50.39	50.14	50.69
20	50.53	50.41	40.19	41.16	40.57	39.93	40.96	50.88	50.48	50.36	50.10	50.81
	50.02	50.23	40.11	40.37	40.74	43.69	41.13	50.50	50.42	50.60	50.12	50.79
21												
22	49.66	51.44	40.24	40.01	40.30	44.93	39.83	50.19	50.53	51.08	50.17	51.00
23	49.97	50.50	40.25	40.79	39.73	42.62	38.64	50.14	50.65	50.02	50.22	50.23
24	50.30	50.09	40.02	40.33	40.13	40.38	39.39	50.70	50.72	50.09	50.26	50.98
25	50.57	49.94	39.69	40.14	46.64	40.09	40.19	50.82	50.77	50.17	50.40	50.19
	50.55	49.92	39.42	40.28	64.81	40.42	41.12	50.62	50.78	50.60	50.59	52.30
26												
27	50.55	49.73	39.28	40.02	71.57	40.87	40.81	50.26	50.75	50.88	50.72	57.99
28	50.49	49.15	39.65	40.67	69.75	39.47	40.06	50.06	50.70	50.71	50.81	65.11
29	50.37	49.98	40.14	40.43	63.01	40.66	39.66	50.10	50.64	50.49	50.78	64.43
30	50.22	50.77	40.40	40.31	---	40.85	39.92	50.12	50.79	50.43	50.71	59.57
31	50.12	51.18	40.65	39.94	---	40.70	40.51	50.12	50.89	50.37	50.64	51.51
	50.27	---	40.47	40.39	---	40.14	---	50.44	---	50.35	50.45	---
MEAN												
MAX	50.45	50.81	42.49	40.58	44.45	41.12	40.18	49.37	50.62	50.53	50.47	52.08
MIN	51.17	54.14	54.20	43.05	71.57	54.26	41.52	52.73	51.03	51.08	50.85	65.11
Δ	49.66	49.15	39.28	39.70	39.73	39.01	38.64	41.94	49.70	50.02	50.10	50.11
*	3,357	3,508	1,676	1,700	5,613	1,588	1,785	3,391	3,467	3,355	3,336	3,378
*	-4.1	+2.5	-29.8	+0.4	+70.5	-65.4	+3.3	+26.1	+1.3	-1.8	-0.3	+0.7

CAL YR 1974 MEAN 46.56 MAX 54.20 MIN 39.28 Δ -2.4
 WTR YR 1975 MEAN 46.93 MAX 71.57 MIN 38.64 Δ -0.3

* Contents, in acre-feet, at end of month.
 Δ Change in contents, equivalent in cubic feet per second.
 * Add 1,100 ft to obtain elevations above mean sea level.

SUSQUEHANNA RIVER BASIN

01500000 OULBOUT CREEK AT EAST SIDNEY, N.Y.

LOCATION.--Lat 42°20'00", long 75°14'07", Delaware County, on right bank 0.2 mi (0.3 km) downstream from bridge on County Highway 44, 0.4 mi (0.6 km) downstream from East Sidney Dam, at East Sidney, and 4.0 mi (6.4 km) upstream from mouth.

DRAINAGE AREA.--103 mi² (267 km²).

PERIOD OF RECORD.--August 1940 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,086.31 ft (331.107 m) above mean sea level (levels by Corps of Engineers). Prior to June 13, 1947, water-stage recorder at site 0.5 mi (0.8 km) upstream at datum 27.30 ft (8.321 m) higher.

AVERAGE DISCHARGE.--35 years, 169 ft³/s (4.786 m³/s).

EXTREMES.--Current year: Maximum discharge, 1,760 ft³/s (49.8 m³/s) Feb. 27 (gage height, 4.70 ft or 1.433 m); minimum, 1.9 ft³/s (0.054 m³/s) Sept. 26 (gage height, 0.62 ft or 0.189 m) result of regulation.

Period of record: Maximum discharge, 7,250 ft³/s (205 m³/s) Dec. 30, 1942 (gage height, 7.62 ft or 2.323 m, site and datum then in use), from rating curve extended above 4,000 ft³/s (113 m³/s); minimum, 1.2 ft³/s (0.034 m³/s) (result of construction operations) Aug. 13, 14, 17, 1949 (gage height, 0.32 ft or 0.098 m).

Maximum discharge known, 16,700 ft³/s (473 m³/s) in July 1935, by computation of flow over dam and from floodmarks.

REMARKS.--Records good. Since November 1949, flow regulated by East Sidney Lake (see station 01499500).

REVISIONS.--WRD N.Y. 1968: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	294	33	202	98	312	1540	225	29	66	31	16	39
2	221	33	281	88	229	986	195	30	66	31	10	22
3	181	33	335	60	177	191	766	30	66	31	10	22
4	142	52	366	53	129	195	970	31	66	31	10	16
5	181	163	339	53	156	195	524	33	80	19	10	12
6	167	321	149	53	198	195	502	261	177	12	17	12
7	93	312	98	78	156	191	442	1380	312	12	34	12
8	76	217	882	103	88	195	339	755	139	12	62	12
9	68	299	706	353	98	135	285	513	53	12	55	12
10	68	198	986	400	100	90	245	303	103	12	33	12
11	68	126	1340	953	100	90	229	237	123	16	18	12
12	68	126	475	1320	100	117	249	344	139	37	13	13
13	68	335	344	667	90	160	249	607	177	45	14	50
14	68	772	290	524	80	174	245	541	142	39	14	68
15	68	601	290	330	70	153	213	181	88	29	14	45
16	68	357	221	277	103	123	202	30	66	25	33	11
17	108	353	261	253	93	123	202	129	66	21	44	11
18	126	253	241	163	78	108	205	209	66	21	28	12
19	126	245	195	241	100	100	205	221	66	21	15	22
20	123	277	160	217	126	623	273	217	55	22	8.4	45
21	60	480	146	100	126	766	299	174	30	233	5.7	535
22	30	568	146	156	123	744	163	139	30	103	5.7	37
23	30	348	146	160	209	546	105	126	30	29	5.7	202
24	47	344	142	142	395	453	153	126	31	29	6.0	269
25	66	344	142	273	3.1	519	205	126	31	29	5.7	371
26	66	344	98	634	497	486	202	126	31	45	5.7	2.4
27	66	205	76	245	1540	321	198	98	31	53	15	294
28	66	117	76	290	1650	241	132	72	31	47	21	1220
29	66	120	76	513	---	294	105	66	31	29	25	1440
30	45	167	85	601	---	294	53	66	31	27	57	843
31	33	---	100	344	---	290	---	66	---	19	64	---
TOTAL	2957	8143	9394	9742	7126.1	10638	8380	7266	2423	1122	674.9	5673.4
MEAN	95.4	271	303	314	255	343	279	234	80.8	36.2	21.8	189
MAX	294	772	1340	1320	1650	1540	970	1380	312	233	64	1440
MIN	30	33	76	53	3.1	90	53	29	30	12	5.7	2.4
CAL YR 1974	TOTAL	72896.6	MEAN 200	MAX	1340	MIN 4.5						
WTR YR 1975	TOTAL	73539.4	MEAN 201	MAX	1650	MIN 2.4						

SUSQUEHANNA RIVER BASIN

01500500 SUSQUEHANNA RIVER AT UNADILLA, N.Y.

LOCATION.--Lat 42°19'17", long 75°19'01", Otsego County, on right bank 25 ft (8 m) downstream from bridge on Bridge Street at Unadilla, 1.0 mi (1.6 km) upstream from Carrs Creek, and 1.6 mi (2.6 km) downstream from Ouleout Creek.

DRAINAGE AREA.--982 mi² (2,543 km²).

PERIOD OF RECORD.--June 1938 to current year.

GAGE.--Water-stage recorder. Datum of gage is 996.08 ft (303.605 m) above mean sea level (Corps of Engineers bench mark).

AVERAGE DISCHARGE.--37 years, 1,548 ft³/s (43.84 m³/s) (21.41 in/yr or 543.8 mm/yr).

EXTREMES.--Current year: Maximum discharge, 10,800 ft³/s (306 m³/s) Feb. 25 (gage height, 10.25 ft or 3.124 m); minimum, 138 ft³/s (3.91 m³/s) Aug. 24 (gage height, 1.83 ft or 0.558 m).

Period of record: Maximum discharge, 21,500 ft³/s (609 m³/s) Dec. 30, 1942 (gage height, 13.94 ft or 4.249 m); maximum gage height, 14.25 ft (4.343 m) Apr. 4, 1960; minimum discharge, 39 ft³/s (1.10 m³/s) Oct. 17, 1964 (gage height, 1.38 ft or 0.421 m).

REMARKS.--Records good except those for winter periods, which are fair. Slight regulation by upstream lakes and reservoirs. Water-quality records for the current year are published in Section 2 of this report.

REVISIONS (WATER YEARS).--WSP 851: 1938(M). WRD N.Y. 1968: 1966 (M). WRD N.Y. 1969: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND. WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	1730	468	1430	1000	2820	5140	2530	1730	769	378	208	948
3	1860	461	1470	1000	2300	4160	2390	2190	717	329	190	594
4	1620	452	1530	900	2000	2760	3640	2410	678	298	179	519
5	1440	544	1500	934	1600	2400	7300	2120	781	283	174	513
	1360	1240	1230	986	1700	2290	5340	2550	873	259	209	429
6												
7	1220	2330	1080	842	1800	2140	4320	2620	1430	236	238	385
8	1060	2010	1000	876	1600	2080	3770	5220	1810	240	311	383
9	953	1630	3350	953	1400	2100	3330	4880	1410	248	487	365
10	862	1570	7910	1370	1300	1710	3000	3860	1110	233	437	368
	815	1390	6400	2290	1200	1550	2830	3240	1140	246	346	444
11												
12	769	1280	5470	3540	1100	1590	2810	2850	1000	243	276	373
13	718	1240	3850	6730	1100	1550	2770	2700	1040	252	278	366
14	685	3510	3560	5050	1000	1680	2590	3280	1740	251	286	566
15	635	4290	3220	3920	1000	1770	2420	3130	1570	246	257	592
	643	3710	2950	2990	960	1530	2410	2460	1260	241	224	471
16												
17	828	3120	2680	2600	980	1370	2420	2460	1040	250	218	379
18	1140	2740	2680	2200	1000	1520	2510	2450	1030	282	230	354
19	1010	2290	2510	1900	1100	1540	2620	2200	941	252	218	352
20	846	1960	2240	2100	1230	1670	2840	2070	837	223	191	372
	772	1910	2070	1800	1300	3800	3400	1880	737	291	170	540
21												
22	683	3440	1910	1400	1130	5330	3270	1680	619	650	155	1260
23	600	3800	1820	1720	1050	4370	2750	1560	555	592	146	959
24	587	2700	1700	1750	1400	3930	2410	1520	514	354	142	877
25	590	2490	1600	1620	4620	3700	2460	1330	492	294	160	1210
	599	2720	1600	1820	9840	4860	3060	1180	453	545	164	2490
26												
27	623	2630	1400	3780	9090	4930	2780	1110	420	682	161	3780
28	594	2050	1300	2940	6970	3940	2460	1030	399	465	159	4900
29	557	1810	1300	2390	5820	3160	2250	920	384	373	170	5260
30	531	1710	1200	2720	---	3180	2070	787	374	302	168	4260
31	500	1600	1200	4470	---	3050	1910	716	377	263	432	3490
	471	---	1100	3260	---	2810	---	773	---	227	1960	---
TOTAL	27301	63095	74260	71851	68410	87610	90660	68906	26500	10028	8944	37799
MEAN												
MAX	881	2103	2395	2318	2443	2826	3022	2223	883	323	289	1260
MIN	1860	4290	7910	6730	9840	5330	7300	5220	1810	682	1960	5260
CFSM	471	452	1000	842	960	1370	1910	716	374	223	142	352
IN.	.90	2.14	2.44	2.36	2.49	2.88	3.08	2.26	.90	.33	.29	1.28
	1.03	2.39	2.81	2.72	2.59	3.32	3.43	2.61	1.00	.38	.34	1.43

CAL YR 1974 TOTAL 631407 MEAN 1730 MAX 7910 MIN 189 CFSM 1.76 IN 23.92
WTR YR 1975 TOTAL 635364 MEAN 1741 MAX 9840 MIN 142 CFSM 1.77 IN 24.07

PEAK DISCHARGE (BASE, 11,000 CFS).-- No peak above base.

SUSQUEHANNA RIVER BASIN

01501015 MILL BROOK AT NEW BERLIN, N.Y.

LOCATION.--Lat 42°37'32", long 75°19'43", Chenango County, on left bank at downstream side of bridge on Academy Street at New Berlin and 80 ft (24 m) upstream from mouth.

DRAINAGE AREA.--4.64 mi² (12.02 km²).

PERIOD OF RECORD.--May 1974 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 1,088.89 ft (331.894 m) above mean sea level.

EXTREMES.--Current year: Maximum discharge, 124 ft³/s (3.51 m³/s) Feb. 24 (gage height, 1.84 ft or 0.561 m); minimum daily, 0.55 ft³/s (0.016 m³/s) Aug. 21.

Period of record: Maximum discharge, 124 ft³/s (3.51 m³/s) Feb. 24, 1975 (gage height, 1.84 ft or 0.561 m); minimum, 0.38 ft³/s (0.011 m³/s) Aug. 20-23, 1974 (gage height, 0.50 ft or 0.152 m).

REMARKS.--Records poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.1	1.4	5.0	4.3	7.0	8.0	4.7	9.5	3.3	.78	.63	2.4
2	2.5	1.4	6.0	3.8	6.6	7.0	4.7	14	2.9	.65	.63	2.0
3	2.1	1.3	6.2	3.6	6.2	6.0	33	9.9	3.0	.64	.60	1.6
4	1.8	3.2	4.5	4.0	6.0	5.6	17	20	3.0	.62	.66	1.4
5	1.6	8.9	3.5	3.3	8.0	5.0	14	14	12	.60	.79	1.2
6	1.4	7.8	5.0	2.5	11	4.8	11	22	5.3	.65	1.2	1.8
7	1.4	5.6	4.0	3.5	9.0	5.5	10	37	4.0	.77	2.9	1.2
8	1.3	4.7	4.5	2.8	5.0	7.5	9.3	20	3.0	.62	1.3	1.7
9	1.3	4.2	34	9.2	5.6	5.0	8.8	14	2.6	2.1	.85	2.7
10	1.3	3.8	17	10	4.6	3.8	8.6	12	2.1	1.7	1.0	1.3
11	1.3	3.7	14	35	7.0	4.3	8.6	10	1.8	1.6	1.3	1.1
12	1.3	4.1	11	33	6.0	3.4	8.2	17	3.8	.88	1.2	5.5
13	1.3	17	10	20	3.5	4.5	8.0	20	4.1	.77	.82	3.9
14	1.3	8.8	9.0	15	3.7	5.0	7.8	12	2.5	.92	.80	2.6
15	3.0	8.9	9.0	9.0	4.0	4.5	9.6	11	1.9	.77	.71	2.0
16	3.5	6.7	9.1	8.0	4.2	3.0	11	25	1.7	.95	.71	1.9
17	2.8	6.2	8.9	7.0	4.0	4.5	12	12	1.6	.92	.71	2.3
18	2.1	5.8	7.8	6.0	5.6	6.9	13	9.5	1.4	.61	.70	2.0
19	1.6	5.5	7.0	8.0	7.0	13	16	8.3	1.3	.78	.63	5.5
20	1.6	13	6.5	6.0	5.6	31	12	7.2	1.3	1.2	.61	4.7
21	1.4	21	6.3	5.0	5.0	15	10	6.6	1.1	1.7	.55	9.2
22	1.4	11	5.4	6.0	7.8	11	8.5	6.0	1.0	.76	.73	5.3
23	1.4	9.6	5.4	5.0	17	11	7.7	5.4	.99	.70	.79	5.5
24	1.4	12	5.6	6.0	59	14	14	5.0	.92	2.0	1.1	1.3
25	1.6	14	5.7	7.0	51	20	11	4.2	.89	3.3	.78	51
26	1.8	9.0	4.7	16	26	14	9.3	4.0	.93	1.1	1.0	5.3
27	1.6	10	5.0	11	15	9.0	7.9	5.4	.95	.86	1.0	4.5
28	1.4	10	4.0	9.0	10	7.0	7.4	4.1	1.1	.98	.78	2.7
29	1.4	7.2	4.4	12	---	7.4	7.1	3.6	1.1	.81	1.8	1.8
30	1.4	6.0	4.2	14	---	7.0	6.5	4.3	.94	.77	16	1.2
31	1.4	---	3.8	8.0	---	5.3	---	3.8	---	.71	4.1	---
TOTAL	52.8	231.8	277.0	293.0	310.4	259.0	316.7	356.8	72.52	32.22	47.38	287.8
MEAN	1.70	7.73	8.94	9.45	11.1	8.35	10.6	11.5	2.42	1.04	1.53	9.59
MAX	3.5	21	45	35	59	31	33	37	12	3.3	16	53
MIN	1.3	1.3	3.5	2.5	3.5	3.0	4.7	3.6	.89	.60	.55	1.1
CFSM	.37	1.67	1.93	2.04	2.39	1.80	2.28	2.48	.52	.22	.33	2.07
IN.	.42	1.86	2.22	2.35	2.49	2.08	2.54	2.86	.58	.26	.38	2.31

WTR YR 1975 TOTAL 2537.42 MEAN 6.95 MAX 59 MIN .55 CFMS 1.50 IN 20.34

PEAK DISCHARGE (BASE, 65 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-08	1415	1.46	67	4-03	1130	1.45	66
02-24	1300	1.84	124	9-25	1030	1.68	98

01502000 BUTTERNUT CREEK AT MORRIS, N.Y.

LOCATION.--Lat 42°32'43", long 75°14'22", Otsego County, on right bank 15 ft (5 m) upstream from bridge on State Highway 23 at Morris, and 0.2 mi (0.3 km) upstream from Calhoun Creek.

DRAINAGE AREA.--59.7 mi² (155 km²).

PERIOD OF RECORD.--June 1938 to current year.

GAGE.--Water-stage recorder. Datum of gage 1096.21 ft (334.125 m) above mean sea level.

AVERAGE DISCHARGE.--37 years, 96.2 ft³/s (2.724 m³/s) (21.88 in/yr or 555.7 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,390 ft³/s (67.7 m³/s) Feb. 24 (gage height, 7.00 ft or 2.134 m); minimum, 9.0 ft³/s (0.25 m³/s) Aug. 22 (gage height, 1.59 ft or 0.485 m).
 Period of record: Maximum discharge, 4,260 ft³/s (121 m³/s) Mar. 5, 1964 (gage height, 8.47 ft or 2.582 m); minimum daily, 1.3 ft³/s (0.037 m³/s) Sept. 24, 1939.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 921: 1939. WRD N.Y. 1969: Drainage area. WRD N.Y. 1974: 1973(P).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	37	25	72	65	130	211	134	119	42	17	14	56
3	50	24	77	61	100	167	123	192	38	16	14	48
4	43	23	75	49	92	146	755	150	37	16	14	50
5	39	34	62	62	68	120	457	220	39	16	16	40
6	36	113	40	58	92	110	292	260	65	14	19	35
7	34	142	52	42	97	110	246	218	94	21	18	36
8	33	98	45	56	88	100	210	439	74	25	32	33
9	31	84	860	52	62	133	186	233	55	17	25	30
10	30	77	974	137	70	78	169	192	46	16	19	58
	29	72	334	164	58	74	150	166	38	16	17	37
11												
12	28	67	251	685	69	90	150	145	34	16	17	31
13	28	68	217	640	63	85	150	149	52	15	20	64
14	27	366	199	310	56	113	140	192	98	14	17	74
15	26	214	180	231	54	92	130	136	62	15	15	50
	33	216	156	150	54	85	164	118	49	15	14	43
16												
17	49	170	146	150	53	68	170	161	44	13	14	39
18	49	149	143	120	51	80	199	120	43	14	14	41
19	38	136	129	110	58	92	210	108	38	14	13	39
20	34	124	115	130	63	142	264	102	34	13	13	61
	32	184	106	100	62	637	229	91	35	16	12	76
21												
22	29	323	96	80	53	298	176	81	30	22	12	99
23	29	190	88	94	52	237	145	73	28	17	11	72
24	29	146	80	80	101	238	132	65	26	14	11	74
25	29	171	84	88	1150	260	186	59	24	18	13	127
	29	204	85	126	1610	417	185	52	24	116	13	717
26												
27	30	152	75	282	513	330	145	48	22	32	12	699
28	28	110	71	145	310	190	127	56	21	23	14	712
29	27	110	73	110	246	170	120	53	20	21	13	316
30	26	103	67	231	---	180	112	42	19	18	13	233
31	26	82	69	270	---	169	102	45	18	16	270	185
	26	---	60	150	---	143	---	47	---	16	94	---
TOTAL	1014	3977	5081	5028	5475	5365	5958	4132	1249	632	813	4175
MEAN	32.7	133	164	162	196	173	199	133	41.6	20.4	26.2	139
MAX	50	366	974	685	1610	637	755	439	98	116	270	717
MIN	26	23	40	42	51	68	102	42	18	13	11	30
CFSM	.55	2.23	2.75	2.71	3.28	2.90	3.33	2.23	.70	.34	.44	2.33
IN.	.63	2.48	3.17	3.13	3.41	3.34	3.71	2.57	.78	.39	.51	2.60

CAL YR	1974	TOTAL	36707	MEAN	101	MAX	974	MIN	12	CFSM	1.69	IN	22.87
WTR YR	1975	TOTAL	42899	MEAN	118	MAX	1610	MIN	11	CFSM	1.98	IN	26.73

PEAK DISCHARGE (BASE, 1,400 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-08	2130			2-24	2000	7.00	2,390
1-11	2100	6.79	2,170	4-03	1900	6.50	1,880
		6.11	1,530				

SUSQUEHANNA RIVER BASIN

01502500 UNADILLA RIVER AT ROCKDALE, N.Y.

LOCATION.--Lat 42°22'40", long 75°24'23", Chenango County, on right bank 400 ft (122 m) downstream from Chenango-Otsego County highway bridge at Rockdale, and 0.7 mi (1.1 km) downstream from Kent Brook.

DRAINAGE AREA.--520 mi² (1,347 km²).

PERIOD OF RECORD.--November 1929 to September 1933, January 1937 to current year.

GAGE.--Water-stage recorder. Datum of gage is 992.11 ft (302.395 m) above mean sea level (levels by Corps of Engineers). Prior to Sept. 30, 1933, nonrecording gage at bridge 400 ft (122 m) upstream at datum 0.73 ft (0.223 m) higher.

AVERAGE DISCHARGE.--41 years (1930-33, 1937-75), 821 ft³/s (23.25 m³/s) (21.44 in/yr or 544.6 mm/yr).

EXTREMES.--Current year: Maximum discharge, 9,700 ft³/s (275 m³/s) Feb. 25 (gage height, 10.14 ft or 3.091 m); minimum daily, 90 ft³/s (2.55 m³/s) Aug. 23.

Period of record: Maximum discharge, 17,400 ft³/s (493 m³/s) Dec. 31, 1942 (gage height, 12.98 ft or 3.956 m); minimum daily, 27 ft³/s (0.76 m³/s) Sept. 20-27, 1964.

REMARKS.--Records fair.

REVISIONS.--WRD N.Y. 1974: 1973 (P).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	305	180	800	524	1470	2020	1170	820	382	159	140	520
2	358	180	830	500	1100	1620	1090	1410	352	152	130	370
3	370	180	830	390	900	1440	2140	1600	322	142	120	310
4	328	220	751	460	660	1150	4400	1380	358	139	120	350
5	300	500	516	450	740	1090	2700	2110	458	133	140	300
6	280	1200	643	400	760	1010	2120	1670	871	127	140	250
7	260	880	616	420	700	959	1830	2850	850	196	200	250
8	248	640	2290	420	620	1200	1610	2190	652	149	300	240
9	236	520	5660	715	660	915	1430	1650	516	133	280	280
10	228	490	4350	1320	540	733	1370	1380	412	177	220	280
11	224	450	2490	2330	580	830	1410	1200	352	177	180	240
12	216	420	1980	4350	560	742	1390	1110	358	166	220	230
13	216	1500	1840	2950	520	882	1260	1560	598	142	250	620
14	204	2800	1670	2050	490	1120	1150	1320	580	133	210	780
15	228	1700	1490	1430	490	820	1300	1030	430	136	170	440
16	352	1500	1320	130	480	688	1430	1350	358	127	190	280
17	418	1100	1310	1140	470	820	1620	1320	328	130	150	270
18	334	960	1200	915	520	450	1840	992	300	127	140	265
19	275	860	1050	1100	620	1100	2110	882	275	118	120	290
20	248	860	948	1070	660	2950	2590	790	265	149	120	486
21	228	2400	850	724	564	3690	2140	697	256	216	110	760
22	220	1700	790	800	532	2570	1610	616	232	248	100	937
23	216	1500	724	830	850	2240	1330	607	220	188	90	607
24	212	1480	715	751	3880	2140	1430	508	208	160	170	760
25	210	1880	706	893	9080	2770	1840	451	196	840	130	2450
26	220	1840	661	2150	7130	2920	1470	406	184	460	130	4710
27	230	1330	556	1660	3550	2030	1190	430	177	340	130	5350
28	200	1200	643	1310	2360	1610	1050	479	173	220	140	3520
29	190	1100	564	1470	---	1620	937	406	173	190	130	2220
30	190	981	572	2530	---	1500	830	358	166	160	220	1670
31	180	---	524	1920	---	1320	---	388	---	150	440	---
TOTAL	7924	32551	39889	39282	41486	47349	49787	33960	11002	6084	5330	30035
MEAN	256	1085	1287	1267	1482	1527	1660	1095	367	196	172	1001
MAX	418	2800	5660	4350	9080	3690	4400	2850	871	840	440	5350
MIN	180	180	516	390	470	688	830	358	166	118	90	230
CFSM	.49	2.09	2.48	2.44	2.85	2.94	3.19	2.11	.71	.38	.33	1.93
IN.	.57	2.33	2.85	2.81	2.97	3.39	3.56	2.43	.79	.44	.38	2.15
CAL YR 1974	TOTAL	308953	MEAN 846	MAX 5660	MIN 108	CFSM 1.63	IN 22.10					
WTR YR 1975	TOTAL	344679	MEAN 944	MAX 9080	MIN 90	CFSM 1.82	IN 24.66					

PEAK DISCHARGE (BASE, 5,700 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-09	1800	8.44	6,060	9-27	0200	8.26	5,700
02-25	1400	10.14	9,700				

NOTE.--No gage-height record July 20 to Sept. 17.

01503000 SUSQUEHANNA RIVER AT CONKLIN, N.Y.

LOCATION.--Lat 42°02'07", long 75°48'12", Broome County, on left bank at abutment of former highway bridge, 500 ft (152 m) upstream from bridge on County Highway 304 at Conklin, 0.7 mi (1.1 km) downstream from Little Snake Creek, and 3.5 mi (5.6 km) downstream from Pennsylvania-New York State line.

DRAINAGE AREA.--2,232 mi² (5,781 km²).

PERIOD OF RECORD.--November 1912 to current year.

GAGE.--Water-stage recorder. Datum of gage is 840.95 ft (256.321 m) above mean sea level (levels by Corps of Engineers). Prior to Oct. 4, 1914, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--62 years (1913-75), 3,566 ft³/s (101.0 m³/s) (21.70 in/yr or 551.2 mm/yr).

EXTREMES.--Current year: Maximum discharge, 30,700 ft³/s (869 m³/s) Feb. 25 (gage height, 14.05 ft or 4.282 m); minimum, 312 ft³/s (8.84 m³/s) Aug. 23-24 (gage height, 2.20 ft or 0.671 m).
 Period of record: Maximum discharge, 61,600 ft³/s (1,740 m³/s) Mar. 18, 1936 (gage height, 20.14 ft or 6.139 m); maximum gage height, 20.83 ft (6.349 m) Mar. 22, 1948; minimum discharge, 85 ft³/s (2.41 m³/s) Oct. 14, 1964 (gage height, 1.30 ft or 0.396 m).

REMARKS.--Records good except those for winter periods, which are fair. Minor regulation by upstream lakes and reservoirs. Water-quality records for the current year are published in Section 2 of this report.

REVISIONS.--WRD N.Y. 1969: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	2740	919	4020	2490	6770	9570	4960	3450	1670	754	620	3510
3	2540	904	3830	2300	5630	8020	4510	3740	1760	714	564	2260
4	2730	877	3980	2100	4600	6380	7310	4770	1620	683	508	1630
5	2470	884	3880	1900	4100	4980	13700	5240	1630	627	460	1310
	2170	1340	3500	2010	3500	4260	14100	6090	1870	592	538	1230
6												
7	2010	3050	3000	1900	3720	4000	9490	7220	5360	557	613	1170
8	1830	4560	2800	1800	3790	4300	7630	11600	5670	526	613	1070
9	1620	3900	7720	1800	3300	4500	6530	12600	4420	508	722	958
10	1460	3160	17300	3280	2800	4000	5750	8460	3250	557	922	1030
	1350	2870	17700	5180	2600	3400	5320	6490	2480	592	1000	1030
11												
12	1270	2580	13400	8590	2500	3400	5120	5380	2190	606	826	1020
13	1200	2370	9850	15500	2400	3400	5020	4940	2600	613	690	1230
14	1150	5740	7740	15300	2300	3060	4870	5320	3160	585	627	1660
15	1080	8550	6990	10300	2200	3280	4540	5880	3310	571	676	1720
	1050	8320	6310	7290	2100	3510	4260	5220	3000	592	648	1700
16												
17	1130	6980	5780	5800	2200	3000	4330	4730	2440	592	722	1380
18	1700	5870	5950	5200	2300	2910	4440	4750	2160	599	1130	1160
19	2090	5160	5740	4600	2500	3360	4640	4560	1980	508	842	1040
20	1830	4620	5080	4200	2990	3820	4980	3980	1820	514	634	1080
	1530	4770	4540	4700	3360	9680	5420	3640	1740	655	532	1290
21												
22	1360	6140	4140	4000	3100	13700	6160	3340	1550	1510	466	2390
23	1250	8680	3860	2800	2820	11300	5770	3030	1350	1410	436	3450
24	1130	7930	3600	3400	4610	8670	4710	2920	1210	1340	370	3590
25	1090	6210	3400	3300	17800	7730	4350	2790	1130	958	571	3780
	1070	6080	3490	3780	29800	8460	4790	2440	1080	868	1110	14700
26												
27	1110	6820	3380	7290	26900	9880	5440	2150	976	1440	794	21800
28	1120	6120	3050	8450	20400	8980	4750	1990	886	1610	714	20800
29	1090	5060	2720	6220	12600	6490	4220	2020	834	1190	627	15100
30	1050	4630	2750	5720	---	5670	3900	1860	834	940	508	10900
31	1000	4340	2640	9060	---	5850	3660	1700	810	778	2520	7920
	961	---	2570	9140	---	5580	---	1570	---	676	2280	---
TOTAL												
MEAN	47221	139434	174710	169410	183690	185140	174670	143870	64790	24665	24283	132908
MAX	1523	4648	5636	5465	6560	5972	5822	4641	2160	796	783	4430
MIN	2740	8680	17700	15500	29800	13700	14100	12600	5670	1610	2520	21800
CFSM	961	877	2570	1800	2100	2910	3660	1570	810	508	370	958
IN.	.68	2.08	2.53	2.45	2.94	2.68	2.61	2.08	.97	.36	.35	1.98
	.79	2.32	2.91	2.82	3.06	3.09	2.91	2.40	1.08	.41	.40	2.22
CAL YR 1974	TOTAL	1396825	MEAN	3827	MAX	17700	MIN	369	CFSM	1.71	IN	23.28
WTR YR 1975	TOTAL	1464791	MEAN	4013	MAX	29800	MIN	370	CFSM	1.80	IN	24.41

PEAK DISCHARGE (BASE, 18,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-10	0100	10.78	19,100	9-26	2100	12.77	25,600
02-25	0500	14.05	30,700				

01505000 CHENANGO RIVER AT SHERBURNE, N.Y.

LOCATION.--Lat 42°40'43", long 75°30'39", Chenango County, on right bank 20 ft (6 m) downstream from bridge on State Highway 80, 0.5 mi (0.8 km) west of Sherburne, and 0.5 mi (0.8 km) downstream from Handsome Brook.

DRAINAGE AREA.--263 mi² (681 km²).

PERIOD OF RECORD.--May 1938 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,037.16 ft (316.126 m) above mean sea level. July 22 to Dec. 9, 1953, nonrecording gage or reference point and Dec. 10, 1953 to Jan. 26, 1955, water-stage recorder at temporary site 1.5 mi (2.4 km) downstream at datum approximately 11.9 ft (3.63 m) lower, during period of construction of highway bridge.

AVERAGE DISCHARGE.--37 years, 395 ft³/s (11.19 m³/s) (20.40 in/yr or 518.2 mm/yr).

EXTREMES.--Current year: Maximum discharge, 4,230 ft³/s (120 m³/s) Feb. 25 (gage height, 8.79 ft or 2.679 m); minimum, 50 ft³/s (1.42 m³/s) Aug. 23-24 (gage height, 2.10 ft or 0.640 m).
Period of record: Maximum discharge, 9,200 ft³/s (261 m³/s) Mar. 5, 1964 (gage height, 9.80 ft or 2.987 m); maximum gage height, 9.99 ft (3.045 m) Dec. 30, 1942 (ice jam); minimum discharge, 12 ft³/s (0.34 m³/s) Sept. 25, 1964; minimum gage height, 1.52 ft (0.463 m) Sept. 19, 1963.

Flood of Mar. 18, 1936, reached a stage of 10.6 ft (3.23 m), from records of National Weather Service.

REMARKS.--Records good except those for winter periods, which are fair. Slight diurnal fluctuation at low flow caused by mill several miles upstream from station. Small diversion during summer months for more than 100 years from Chenango River basin to Oriskany Creek through Oriskany Creek feeder at Solsville for operation of Erie (Barge) Canal.

REVISIONS (WATER YEARS).--WSP 851: 1938(M). WSP 1502: 1955. WRD N.Y. 1969: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND. WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	147	76	363	328	620	1020	605	412	220	76	59	126
2	175	74	399	300	490	800	560	630	196	69	55	102
3	175	72	390	276	440	680	1320	550	175	65	53	99
4	157	99	336	270	390	600	1300	650	182	62	57	88
5	141	324	358	270	370	540	1030	775	213	59	69	81
6	132	465	390	250	350	520	940	700	535	94	74	81
7	120	312	316	240	340	500	850	1240	430	110	129	76
8	114	264	1510	276	310	660	770	820	340	94	111	67
9	105	228	2480	450	300	480	705	700	288	93	99	81
10	99	206	1610	565	290	490	680	600	232	123	88	81
11	93	189	1240	1380	290	445	695	525	192	85	88	76
12	90	182	1050	1690	270	421	690	500	206	72	141	232
13	88	820	950	1160	260	555	635	620	296	65	105	236
14	85	605	855	900	250	515	620	475	232	64	88	178
15	117	570	745	800	240	445	725	412	196	64	76	144
16	185	480	685	660	230	408	780	670	164	64	69	123
17	161	403	665	560	230	426	935	490	147	69	67	111
18	144	358	620	520	270	480	1000	430	129	67	62	111
19	132	324	565	470	328	775	1280	390	120	62	59	141
20	123	460	525	430	308	2110	1210	345	126	67	55	161
21	117	815	470	400	280	1610	990	308	114	85	53	203
22	114	675	455	380	276	1270	820	276	105	81	52	171
23	111	595	417	350	505	1240	725	240	96	74	50	161
24	108	700	408	340	2170	1120	765	220	96	83	57	182
25	108	800	399	394	3730	1360	795	196	88	260	59	1020
26	108	680	376	720	2350	1280	670	185	81	123	55	2730
27	102	585	358	490	1570	925	535	340	79	96	57	2480
28	96	535	367	440	1220	810	480	260	76	81	57	1490
29	83	485	336	655	---	775	426	189	76	74	57	1090
30	79	426	345	1220	---	730	390	168	81	65	288	840
31	76	---	316	720	---	645	---	175	---	60	171	---
TOTAL	3685	12807	20299	17904	18677	24635	23926	14491	5511	2606	2560	12762
MEAN	119	427	655	578	667	795	798	467	184	84.1	82.6	425
MAX	185	820	2480	1690	3730	2110	1320	1240	535	240	288	2730
MIN	76	72	316	240	230	408	390	168	76	59	50	67
CFSM	.45	1.62	2.49	2.20	2.54	3.02	3.03	1.78	.70	.32	.31	1.62
IN.	.52	1.81	2.87	2.53	2.64	3.48	3.38	2.05	.78	.37	.36	1.81
CAL YR 1974	TOTAL	148158	MEAN	406	MAX	3110	MIN	64	CFSM	1.54	IN	20.96
WTR YR 1975	TOTAL	159863	MEAN	438	MAX	3730	MIN	50	CFSM	1.67	IN	22.61

PEAK DISCHARGE (BASE, 3,500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
2-25	0530	8.79	4,230	9-26	1830	8.43	3,660

SUSQUEHANNA RIVER BASIN

173

01505500 CANASAWACTA CREEK NEAR SOUTH PLYMOUTH, N.Y.

LOCATION.--Lat 42°33'49", long 75°33'09", Chenango County, on right bank 1.4 mi (2.3 km) southeast of South Plymouth, 2 mi (3 km) north-west of Norwich, 2.8 mi (4.5 km) downstream from East Branch, and 4.2 mi (6.8 km) upstream from mouth.

DRAINAGE AREA.--57.9 mi² (150 km²).

PERIOD OF RECORD.--September 1945 to current year (discontinued).

GAGE.--Water-stage recorder and concrete control. Datum of gage is 1,077.80 ft (328.513 m) above mean sea level (levels by Corps of Engineers).

AVERAGE DISCHARGE.--30 years, 99.2 ft³/s (2.809 m³/s) (23.27 in/yr or 591.1 mm/yr).

EXTREMES.--Current year: Maximum discharge, 3,830 ft³/s (108 m³/s) Sept. 26 (gage height, 5.01 ft or 1.527 m); minimum, 2.6 ft³/s (0.074 m³/s) July 8-9; minimum gage height, 1.50 ft (0.457 m).

Period of record: Maximum discharge, 6,980 ft³/s (198 m³/s) Feb. 25, 1961 (gage height, 5.94 ft or 1.811 m), from rating curve extended above 2,400 ft³/s (68.0 m³/s); minimum, 0.3 ft³/s (0.008 m³/s) July 31, Aug. 6, 7, 1955, Aug. 11, 12, Sept. 23, 1964; minimum gage height, 0.61 ft (0.186 m) July 29, 1953, from outside-gage reading.

REMARKS.--Records good except those for winter periods, which are fair. Slight diurnal fluctuation caused by gristmill 1.8 mi (2.9 km) upstream from station.

REVISIONS (WATER YEARS).--WSP 1141: 1945-47. WSP 1432: 1954-55. WRD N.Y. 1969: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	18	86	57	120	209	127	121	25	6.2	4.8	43
2	37	17	87	44	110	150	118	235	23	5.1	4.1	34
3	31	16	81	54	92	120	538	163	21	4.6	3.5	27
4	27	50	56	56	54	110	303	324	20	4.3	5.3	21
5	24	178	42	40	72	100	256	306	44	3.7	8.5	18
6												
7	22	164	48	40	85	92	212	368	74	3.2	7.2	22
8	21	113	64	38	72	99	181	521	55	3.8	18	19
9	20	91	832	43	64	172	156	276	37	3.1	11	16
10	19	78	684	127	64	56	143	209	29	9.0	7.0	22
11	18	68	319	134	40	76	139	167	23	19	5.7	16
12	17	61	234	623	40	98	147	139	19	13	7.7	13
13	16	67	198	408	52	84	145	149	33	8.4	42	138
14	16	369	176	248	66	121	126	185	47	6.5	16	88
15	16	194	154	150	66	76	121	134	31	6.1	12	51
16	40	190	130	100	58	62	148	111	23	5.4	9.1	37
17	44	146	125	100	54	66	157	227	20	6.4	8.6	31
18	38	129	123	82	49	72	214	138	19	6.6	10	28
19	30	115	109	80	70	82	250	115	16	5.1	7.9	26
20	26	103	90	84	100	202	391	104	16	4.8	6.1	51
21	24	210	84	100	82	753	351	87	16	12	4.9	45
22	23	288	66	60	56	373	258	74	13	14	4.0	93
23	22	185	66	66	66	271	186	63	11	8.4	3.7	51
24	23	151	70	58	130	277	155	56	9.8	5.8	3.3	52
25	22	185	68	66	1170	291	274	57	8.9	9.7	8.5	94
26	23	191	62	100	1400	437	245	43	8.2	88	10	1060
27	25	149	56	210	509	356	178	35	7.5	21	6.5	2170
28	22	120	66	110	317	230	147	47	7.0	13	6.9	740
29	20	114	54	110	247	194	129	36	7.0	12	5.5	363
30	19	103	56	220	---	179	112	31	7.0	8.6	5.3	243
31	18	89	56	248	---	165	98	28	7.1	6.7	287	181
TOTAL	18	---	46	160	---	139	---	30	---	5.6	79	---
MEAN	747	3952	4388	4016	5305	5712	6005	4579	677.5	329.1	619.1	5793
MAX	24.1	132	142	130	189	184	200	148	22.6	10.6	20.0	193
MIN	44	369	832	623	1400	753	538	521	74	88	287	2170
CFSM	16	16	42	38	40	56	98	28	7.0	3.1	3.3	13
IN.	.42	2.28	2.45	2.25	3.26	3.18	3.45	2.56	.39	1.8	.35	3.33
	.48	2.54	2.82	2.58	3.41	3.67	3.86	2.94	.44	.21	.40	3.72
CAL YR 1974	TOTAL	38803.5	MEAN 106	MAX 1310	MIN 3.2	CFSM 1.83	IN 24.93					
WTR YR 1975	TOTAL	42122.7	MEAN 115	MAX 2170	MIN 3.1	CFSM 1.99	IN 27.06					

PEAK DISCHARGE (BASE, 1,500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-08	2200	4.14	1,680	9-26	1230	5.01	3,830
02-24	1800	4.64	2,750				

SUSQUEHANNA RIVER BASIN

01508803 WEST BRANCH TIOUGHNIAGA RIVER AT HOMER, N.Y.

LOCATION.--Lat 42°38'13", long 76°10'37", Cortland County, on left bank at downstream side of bridge on Wall Street at Homer and 3.4 mi (5.5 km) upstream from confluence with East Branch.

DRAINAGE AREA.--71.5 mi² (185 km²).

PERIOD OF RECORD.--November 1966 to September 1968, October 1972 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,114.81 ft (339.794 m) above mean sea level. Prior to Oct. 1, 1968, water-stage recorder at bridge on Water Street 500 ft (152 m) upstream at same datum.

EXTREMES.--Current year: Maximum discharge, 1,530 ft³/s (43.3 m³/s) Sept. 26 (gage height, 6.76 ft or 2.060 m); minimum, 19 ft³/s (0.54 m³/s) Aug. 21, 23-24 (gage height, 1.28 ft or 0.390 m).

Period of record: Maximum discharge, 1,770 ft³/s (50.1 m³/s) Apr. 4, 1974 (gage height, 7.22 ft or 2.201 m), minimum discharge, 9.6 ft³/s (0.27 m³/s) Nov. 22, 1966 (gage height, 1.98 ft or 0.604 m) at site then in use; minimum gage height, 1.14 ft (0.347 m) Sept. 3, Oct. 27, 28, 1973.

Flood of June 23, 1972, reached a stage of 7.46 ft (2.274 m) (8.05 ft or 2.454 m at Water Street site), from floodmarks; discharge, about 1,900 cfs (53.8 m³/s); flood of Mar. 5, 1964 was considerably higher (discharge not determined).

REMARKS.--Records good except those for winter periods, which are fair and those for periods of no gage-height record, which are poor. A constant 2.8 ft³/s (0.079 m³/s) is diverted for manufacturing purposes from Gate House Pond upstream from station into Onondaga Creek basin (St. Lawrence River basin). Water-quality records for the current year are published in Section 2 of this report.

REVISIONS.--WRD N.Y. 1974: 1973 (P).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	46	160	100	180	260	150	180	200	44	34	36
2	57	44	157	98	150	210	270	250	140	42	33	32
3	76	42	150	94	140	180	350	260	120	42	31	29
4	76	52	120	96	120	170	450	250	120	41	30	27
5	71	142	120	94	120	150	350	370	150	39	34	26
6	63	153	110	86	120	140	330	350	300	38	33	27
7	59	117	110	88	110	170	310	540	300	38	33	26
8	56	103	382	84	110	150	290	450	190	37	30	25
9	52	93	575	110	98	140	260	360	150	38	28	23
10	49	86	372	130	94	140	250	300	140	38	28	22
11	48	81	311	324	96	120	250	250	110	37	28	21
12	47	81	277	428	88	140	250	220	120	34	26	88
13	47	247	255	288	86	130	230	230	130	119	26	64
14	46	174	234	220	84	110	220	200	110	58	26	49
15	64	154	210	190	82	110	270	180	90	53	26	39
16	68	136	198	170	84	100	300	240	84	49	27	41
17	61	126	204	150	88	144	400	190	84	48	26	55
18	53	120	187	140	100	313	470	170	80	42	25	42
19	50	116	172	140	121	476	560	150	84	40	23	44
20	50	208	160	120	110	400	600	140	83	44	21	39
21	49	290	150	100	104	330	500	130	71	42	20	36
22	47	220	142	100	111	300	350	120	62	39	21	33
23	49	183	135	100	232	280	300	120	58	37	20	32
24	47	249	130	100	942	270	350	110	55	46	30	39
25	48	270	120	124	802	380	400	110	53	107	27	183
26	49	210	110	185	498	250	210	100	49	63	27	957
27	45	190	110	137	389	200	200	150	48	51	36	660
28	44	180	110	120	327	180	190	100	48	46	30	388
29	43	170	110	190	---	160	190	98	48	41	28	278
30	42	170	109	408	---	160	180	94	46	38	74	221
31	43	---	103	249	---	150	---	150	---	36	44	---
TOTAL	1648	4453	5793	4963	5586	6413	9430	6562	3323	1467	925	3582
MEAN	53.2	148	187	160	200	207	314	212	111	47.3	29.8	119
MAX	76	290	575	428	942	476	600	540	300	119	74	957
MIN	42	42	103	84	82	100	150	94	46	34	20	21
CFSM	.74	2.07	2.62	2.24	2.80	2.90	4.39	2.97	1.55	.66	.42	1.66
IN.	.86	2.32	3.01	2.58	2.91	3.34	4.91	3.41	1.73	.76	.48	1.86
CAL YR 1974	TOTAL	47946	MEAN 131	MAX 1210	MIN 27	CFSM 1.83	IN 24.95					
WTR YR 1975	TOTAL	54145	MEAN 148	MAX 957	MIN 20	CFSM 2.07	IN 28.17					

PEAK DISCHARGE (BASE, 480 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-08	2400	4.86	768	3-19	Unknown	4.20	570
01-11	2330	4.39	627	4-20	Unknown	Unknown	a700
01-30	0130	4.26	588	5-07	Unknown	Unknown	a600
02-24	1300	6.01	1180	9-26	1730	6.76	1530

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NOTE.--No gage-height record May 3 to June 17.

01509000 TIOUGHNIAGA RIVER AT CORTLAND, N.Y.

LOCATION.--Lat 42°36'10", long 76°09'35", Cortland County, on right bank at east end of Elm Street at Cortland, 0.4 mi (0.6 km) downstream from confluence of East and West Branches.

DRAINAGE AREA.--292 mi² (756 km²) (including 14.0 mi² (36.3 km²), the flow from which may be diverted into De Ruyter Reservoir in Oswego River basin).

PERIOD OF RECORD.--May 1938 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,084.92 ft (330.683 m) above mean sea level. Prior to Oct. 1, 1939, water-stage recorder at datum 4.00 ft (1.219 m) higher; Oct. 1, 1939 to Sept. 30, 1963, water-stage recorder at datum 3.00 ft (0.914 m) higher.

AVERAGE DISCHARGE.--37 years, 490 ft³/s (13.88 m³/s) (22.79 in/yr or 578.9 mm/yr).

EXTREMES.--Current year: Maximum discharge, 6,750 ft³/s (191 m³/s) Feb 25 (gage height, 9.94 ft or 3.030 m); minimum, 64 ft³/s (1.81 m³/s) Sept. 9-11 (gage height, 2.70 ft or 0.823 m).

Period of record: Maximum discharge, 13,000 ft³/s (368 m³/s) Mar. 5, 1964 (gage height, 12.49 ft or 3.807 m); minimum, 9.8 ft³/s (0.28 m³/s) Sept. 20, 1939, Sept. 29, 1959; minimum daily, 17 ft³/s (0.48 m³/s) Sept. 26, 27, 1959.

REMARKS.--Records good. 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. A constant 2.8 ft³/s (0.079 m³/s) is diverted for manufacturing purposes from Gate House Pond on West Branch upstream from station into Onondaga Creek basin (St. Lawrence River basin). Water-quality records for the current year are published in Part 2 of this report.

REVISIONS.--WRD N.Y. 1968: Drainage area. WRD N.Y. 1974: 1973.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	229	154	580	370	840	1100	780	490	571	120	132	105
2	261	147	583	350	640	863	626	670	385	114	129	95
3	328	141	577	320	540	755	1120	693	329	111	126	90
4	319	201	500	340	440	640	1540	670	329	108	126	88
5	292	692	420	330	460	600	1030	1060	410	103	129	88
6	253	1080	430	280	480	560	938	961	863	95	129	85
7	225	770	400	310	440	540	885	1960	849	95	132	85
8	213	607	1730	300	390	760	800	1460	653	93	129	85
9	197	516	3740	450	390	560	717	1020	532	100	120	76
10	185	455	2480	685	350	520	687	794	440	126	117	64
11	178	420	1520	1640	370	500	699	675	380	114	117	64
12	171	400	1190	2670	360	450	693	604	400	98	114	189
13	164	1390	1070	1660	320	582	637	642	415	195	111	209
14	171	1240	985	1000	310	560	609	571	351	123	111	135
15	225	957	840	820	324	470	748	505	297	108	111	108
16	319	776	780	720	314	430	821	659	275	111	111	93
17	265	661	841	640	300	460	1180	549	275	114	111	98
18	221	589	776	580	370	510	1410	465	266	108	108	90
19	197	543	685	580	494	908	1960	420	258	103	105	90
20	189	936	619	500	466	2690	2210	390	262	111	103	95
21	185	1540	540	400	400	2440	1470	360	209	132	103	98
22	182	1180	538	410	395	1700	1000	342	177	144	103	93
23	182	882	490	400	730	1490	835	333	165	135	100	85
24	178	1100	470	400	3070	1330	945	306	156	147	111	90
25	174	1320	460	472	6120	1780	1080	275	150	270	100	587
26	185	1080	430	848	3740	1860	794	262	144	213	98	3890
27	171	860	410	600	2060	1210	675	420	141	168	100	4610
28	164	802	420	500	1450	1000	609	333	138	156	100	2370
29	157	724	400	920	---	960	549	266	135	147	98	1230
30	154	655	395	1880	---	880	500	250	129	138	162	794
31	150	---	370	1100	---	780	---	405	---	132	129	---
TOTAL	6484	22818	25669	22475	26563	29888	28547	18810	10084	4032	3575	15879
MEAN	209	761	828	725	949	964	952	607	336	130	115	529
MAX	328	1540	3740	2670	6120	2690	2210	1960	863	270	162	4610
MIN	150	141	370	280	300	430	500	250	129	93	98	64
CFSM	.72	2.61	2.84	2.48	3.25	3.30	3.26	2.08	1.15	.45	.39	1.81
IN.	.83	2.91	3.27	2.86	3.38	3.81	3.64	2.40	1.28	.51	.46	2.02

CAL YR 1974	TOTAL	210191	MEAN 576	MAX 7670	MIN 69	CFSM 1.97	IN 26.78
WTR YR 1975	TOTAL	214824	MEAN 589	MAX 6120	MIN 64	CFSM 2.02	IN 27.37

PEAK DISCHARGE (BASE, 4,400 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
2-25	0945	9.94	6,750	9-26	1645	8.88	5,260

SUSQUEHANNA RIVER BASIN

01509150 GRIDLEY CREEK ABOVE EAST VIRGIL, N.Y.

LOCATION.--Lat 42°30'04", long 76°07'38", Cortland County, on right bank 100 ft (30 m) downstream from bridge on Tone Road, 250 ft (75 m) south of State Highway 90, 1.6 mi (2.6 km) northwest of East Virgil, 3.2 mi (5.1 km) northwest of Messengersville, and 3.5 mi (5.6 km) upstream from mouth.

DRAINAGE AREA.--10.4 mi² (26.9 km²).

PERIOD OF RECORD.--Discharge measurements, seepage investigation, water year 1974, July 1974 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,270.00 ft (387.096 m) above mean sea level.

EXTREMES.--July to September 1974: Maximum discharge during period, about 30 ft³/s (0.85 m³/s) Sept. 29; minimum, 1.4 ft³/s (0.040 m³/s) Aug. 15 (gage height, 4.90 ft or 1.494 m).

Water year 1975: Maximum discharge, 2,530 ft³/s (71.6 m³/s) Sept. 26 (gage height, 7.77 ft or 2.368 m); minimum, 0.9 ft³/s (0.025 m³/s) Aug. 8 (gage height, 4.74 ft or 1.445 m).

REMARKS.--Records poor. Water quality records for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, JULY TO SEPTEMBER 1974

DAY	JULY	AUG	SEPT	DAY	JULY	AUG	SEPT	DAY	JULY	AUG.	SEPT
1	6.0	2.0	2.4	11	3.0	1.9	3.3	21	2.0	2.5	5.8
2	4.6	2.0	3.1	12	2.9	1.8	4.0	22	2.0	2.3	6.6
3	4.3	2.0	10	13	2.9	1.8	5.0	23	2.0	2.3	6.2
4	4.6	2.3	6.0	14	2.7	1.8	6.0	24	4.5	3.2	4.4
5	4.4	2.2	4.4	15	2.7	1.9	5.4	25	2.6	3.1	4.4
6	4.0	2.1	4.0	16	2.6	2.0	4.8	26	2.4	2.9	5.0
7	3.8	2.0	3.8	17	2.4	2.3	4.3	27	2.2	2.7	4.6
8	3.6	1.9	3.6	18	2.4	2.2	4.0	28	2.0	2.6	4.1
9	3.4	2.0	3.5	19	2.2	2.1	3.8	29	2.7	2.7	8.6
10	3.2	2.1	3.4	20	2.0	2.0	3.6	30	2.7	2.9	9.4
								31	2.2	2.6	-
TOTAL									95.0	70.2	147.5
MEAN									3.06	2.26	4.92
MAX									6.0	3.2	10
MIN									2.0	1.8	2.4
CFSM									.29	0.22	.47
IN.									.33	.25	.53

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.0	10	14	7.6	14	20	21	28	8.2	2.0	1.5	2.1
2	11	10	15	7.2	12	16	18	42	7.5	1.9	1.5	2.3
3	8.4	10	14	7.0	10	14	98	24	7.3	1.9	1.5	2.2
4	7.6	33	11	9.0	9.0	16	38	106	7.6	1.9	1.5	1.8
5	7.2	97	9.8	7.8	10	9.9	39	91	21	1.8	1.4	1.7
6	7.0	56	9.7	7.2	12	9.1	32	142	49	1.9	1.6	1.8
7	7.0	40	11	7.6	9.0	13	29	97	24	1.8	1.5	1.7
8	7.2	32	277	7.8	7.8	20	26	40	18	1.8	1.4	4.4
9	7.4	26	104	47	9.0	19	23	25	14	2.4	1.4	5.6
10	7.2	22	60	32	6.4	13	24	21	11	2.0	1.4	2.7
11	7.0	20	42	221	6.8	14	26	19	9.2	2.0	1.4	2.3
12	7.0	32	36	89	6.6	14	25	38	18	1.9	1.3	51
13	7.6	91	34	42	6.8	22	20	34	13	1.9	1.4	18
14	7.0	34	29	29	6.8	17	25	20	9.5	1.9	1.4	10
15	9.4	29	24	22	7.0	15	31	32	7.8	1.9	1.3	7.4
16	10	24	23	18	7.1	14	44	60	6.9	1.9	1.5	5.8
17	8.4	22	23	15	7.8	16	49	25	5.9	1.8	1.4	5.7
18	7.6	19	20	13	15	30	52	23	4.9	1.8	1.3	6.0
19	7.0	17	17	16	19	100	79	22	6.3	2.1	1.2	14
20	8.0	62	15	12	13	170	55	21	5.3	2.1	1.2	10
21	7.6	52	14	9.0	11	70	37	20	4.0	1.9	1.2	9.8
22	7.4	32	12	9.4	16	45	32	17	3.6	1.8	1.2	6.6
23	8.0	28	11	10	68	38	29	15	3.2	3.4	1.2	7.9
24	9.0	43	11	11	260	57	56	13	3.0	4.7	8.9	17
25	11	37	11	28	120	84	35	11	2.9	6.0	2.3	307
26	14	27	10	33	47	45	28	10	2.7	3.0	1.9	621
27	12	23	10	17	29	40	24	23	2.6	2.1	1.6	200
28	12	22	9.7	15	23	31	21	12	2.5	2.0	1.5	80
29	11	19	9.4	59	---	32	18	9.6	2.3	1.8	2.1	50
30	11	16	9.7	36	---	30	18	9.9	2.1	1.6	12	37
31	11	---	8.3	20	---	22	---	8.7	---	1.5	3.3	---
TOTAL	271.0	985	904.6	864.6	769.1	1056.0	1052	1059.2	283.3	68.5	65.3	1492.8
MEAN	8.74	32.8	29.2	27.9	27.5	34.1	35.1	34.2	9.44	2.21	2.11	49.8
MAX	14	97	277	221	260	170	98	142	49	6.0	12	621
MIN	7.0	10	8.3	7.0	6.4	9.1	18	8.7	2.1	1.5	1.2	1.7
CFSM	.84	3.15	2.81	2.68	2.64	3.28	3.38	3.29	.91	.21	.20	4.79
IN.	.97	3.52	3.24	3.09	2.75	3.78	3.76	3.79	1.01	.24	.23	5.34
WTR YR 1975	TOTAL	8871.4	MEAN	24.3	MAX	621	MIN	1.2	CFSM	2.34	IN	31.73

PEAK DISCHARGE (BASE, 500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-8	1445	6.96	586	5-06	1815	6.70	525
1-11	1730	6.92	565	9-26	0745	7.77	2530

SUSQUEHANNA RIVER BASIN

01510000 OTSELIC RIVER AT CINCINNATUS, N.Y.

LOCATION.--Lat 42°32'28", long 75°53'58", Cortland County, on right bank 150 ft (46 m) upstream from Mead Brook and 300 ft (91 m) downstream from bridge on County Highway 159 at Cincinnatus.

DRAINAGE AREA.--147 mi² (381 km²).

PERIOD OF RECORD.--June 1938 to September 1964, October 1969 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,031.67 ft (314.328 m) above mean sea level.

AVERAGE DISCHARGE.--32 years (1939-64, 1970-75), 269 ft³/s (7.618 m³/s) (24.85 in/yr or 631.2 mm/yr).

EXTREMES.--Current year: Maximum discharge, 5,050 ft³/s (143 m³/s) Sept. 26 (gage height, 7.04 ft or 2.755 m); minimum, 10 ft³/s (0.28 m³/s) Aug. 21-24 (gage height, 0.38 ft or 0.116 m).

Period of record: Maximum discharge, 8,390 ft³/s (238 m³/s) Dec. 30, 1942; maximum gage height, 10.68 ft (3.255 m) Apr. 4, 1950; minimum discharge, 3.8 ft³/s (0.11 m³/s) Sept. 25, 1939; minimum gage height, 0.35 ft (0.107 m) Sept. 5, 1973 (result of regulation).

REMARKS.--Records fair.

REVISIONS.--WRD N.Y. 1970: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND. WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	109	67	252	150	350	486	346	310	114	38	23	56
2	136	66	264	140	277	320	319	453	106	37	20	43
3	141	63	257	130	230	280	862	381	92	36	19	35
4	125	134	223	150	200	240	846	466	102	34	19	36
5	114	506	190	140	220	210	603	632	131	33	26	32
6	104	587	204	120	210	200	530	639	350	32	23	34
7	96	393	187	140	190	210	470	1100	329	29	24	33
8	92	326	1490	120	190	300	422	659	225	28	24	30
9	86	279	1980	272	170	200	380	513	183	33	22	38
10	83	248	927	315	150	190	369	425	150	60	19	30
11	78	228	624	1030	160	190	386	364	129	44	20	25
12	72	230	513	1170	150	180	377	348	160	34	27	264
13	71	836	466	643	140	305	338	440	183	33	22	200
14	75	533	422	460	120	269	332	339	152	30	19	125
15	110	486	364	340	130	232	413	289	127	31	18	99
16	143	393	350	310	120	215	461	506	110	30	17	85
17	114	345	356	270	120	230	650	345	104	38	20	80
18	99	313	321	240	130	262	770	302	89	33	18	75
19	93	284	287	270	221	519	1150	277	89	30	14	102
20	89	493	264	210	194	1670	1060	246	95	36	12	109
21	85	686	243	190	164	1010	706	219	76	38	11	143
22	83	503	237	190	164	718	530	196	66	33	10	115
23	83	401	217	190	331	694	464	171	60	29	10	110
24	82	503	210	180	2310	698	614	154	55	39	15	145
25	83	572	208	230	3330	988	622	136	52	168	24	1320
26	89	460	192	434	1270	902	477	122	49	70	18	3760
27	80	387	179	274	753	586	404	198	46	43	18	2350
28	75	356	179	239	576	498	361	162	45	38	17	965
29	72	323	168	463	---	484	326	122	46	31	13	613
30	71	287	170	726	---	446	294	112	42	27	140	456
31	68	---	149	416	---	374	---	115	---	25	100	---
TOTAL	2901	11288	12093	10162	12570	14106	15882	10741	3557	1240	782	11508
MEAN	93.6	376	390	328	449	455	529	346	119	40.0	25.2	384
MAX	143	836	1980	1170	3330	1670	1150	1100	350	168	140	3760
MIN	68	63	149	120	120	180	294	112	42	25	10	25
CFSM	.64	2.56	2.65	2.23	3.05	3.10	3.60	2.35	.81	.27	.17	2.61
IN.	.73	2.86	3.06	2.57	3.18	3.57	4.02	2.72	.90	.31	.20	2.91
CAL YR 1974	TOTAL	97341	MEAN 267	MAX 3370	MIN 20	CFSM 1.82	IN 24.63					
WTR YR 1975	TOTAL	106830	MEAN 293	MAX 3760	MIN 10	CFSM 1.99	IN 27.03					

PEAK DISCHARGE (BASE, 2,500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-09	0115	7.16	2,870	9-26	1445	9.04	5,050
02-25	0300	8.75	4,680				

01511000 WHITNEY POINT LAKE AT WHITNEY POINT, N.Y.

LOCATION.--Lat 42°20'34", long 75°57'57", Broome County, on left bank at control-gate structure for Whitney Point Dam on Otselic River, 0.3 mi (0.5 km) upstream from spillway, 0.9 mi (1.4 km) upstream from mouth, and 1.0 mi (1.6 km) north of Whitney Point.

DRAINAGE AREA.--257 mi² (666 km²).

PERIOD OF RECORD.--October 1942 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Prior to October 1970, published as Whitney Point Reservoir at Whitney Point.

EXTREMES.--Current year: Maximum elevation, 990.65 ft (301.950 m) Sept. 28 (contents, 40,182 acre-ft or 49.5 hm³); minimum 965.48 ft (294.278 m) Dec. 14 (contents, 4,718 acre-ft or 5.82 hm³).
 Period of record: Maximum elevation, 1,005.0 ft (306.32 m) Mar. 23, 1948 (contents, 71,440 acre-ft or 88.1 hm³); minimum, 950.4 ft (289.68 m) Sept. 2-4, 1953 (contents, 36 acre-ft or 44,400 m³).

REMARKS.--Lake is formed by earth-fill 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 (107 hm³) between elevations 950.0 ft (289.56 m) (sill of gates) and 1,010.0 ft (307.85 m) (crest of spillway) above mean sea level. Dead storage, 28 acre-ft (34,500 m³). 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.

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

REVISIONS.--WRD N.Y. 1968: Drainage area.

Capacity table (elevation, in feet, and usable contents, in acre-feet)
 (Based on field survey by Corps of Engineers in 1937)

960.0	1,250	980.0	22,240
965.0	4,260	985.0	30,200
970.0	9,270	990.0	38,980
975.0	15,290	1,000.0	59,220

* GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	73.09	73.10	72.97	65.99	65.98	79.07	65.89	67.21	73.08	73.11	73.12	73.29
3	73.10	73.10	72.84	66.06	66.09	75.52	66.13	67.98	73.16	73.09	73.14	73.08
4	73.14	73.07	72.28	66.03	66.12	71.89	66.56	68.99	73.21	73.06	73.16	72.96
5	73.16	73.10	71.35	66.02	66.02	68.43	68.60	69.78	73.24	73.04	73.18	72.94
6	73.19	73.43	70.24	66.07	65.99	66.25	69.04	71.60	73.22	73.00	73.21	72.93
7	73.23	73.74	69.14	66.04	66.04	65.95	68.99	72.93	73.32	72.98	73.18	72.95
8	73.10	73.59	68.06	66.00	66.10	65.97	68.48	74.28	73.26	72.98	73.16	72.98
9	72.95	73.13	68.08	65.99	66.01	66.40	66.98	73.59	73.04	73.00	73.11	73.03
10	72.90	72.95	72.14	66.11	66.09	66.44	66.18	73.01	73.02	73.02	73.06	73.11
11	72.96	72.80	73.22	66.26	66.12	66.18	65.92	72.96	73.24	73.06	73.00	73.12
12	73.02	73.00	71.25	66.58	66.08	66.02	65.98	73.00	72.97	73.14	72.96	73.09
13	73.09	73.05	68.52	69.92	66.10	65.98	66.10	73.01	73.03	73.18	72.99	73.17
14	73.13	73.84	66.29	69.06	66.09	66.11	66.12	73.13	73.20	73.15	73.03	73.36
15	73.02	74.07	65.63	66.86	66.04	66.22	66.00	73.17	73.22	73.11	73.06	73.06
16	73.01	73.34	65.80	66.11	65.99	65.97	66.09	72.87	73.06	73.08	73.07	73.01
17	73.09	73.03	66.15	66.11	66.07	65.92	66.19	73.19	72.91	73.04	73.09	72.97
18	73.16	72.96	66.41	66.14	66.14	66.02	66.40	73.19	72.98	73.00	73.12	73.03
19	73.11	72.96	66.20	65.97	66.17	66.27	66.45	73.14	73.09	72.99	73.14	73.08
20	72.99	73.01	65.82	66.12	66.34	66.45	66.41	73.01	73.16	73.01	73.15	73.15
21	72.98	73.14	65.95	66.33	66.23	68.36	66.83	72.96	73.04	73.06	73.15	73.14
22	73.05	73.49	66.14	66.07	65.96	70.96	66.54	73.02	72.90	73.11	73.14	73.16
23	73.12	73.04	66.24	65.97	66.02	69.73	66.18	73.05	72.95	73.14	73.14	73.19
24	73.16	72.95	66.20	66.04	66.33	68.04	65.92	73.01	72.99	73.16	73.14	73.10
25	73.14	73.00	66.10	66.06	68.94	66.57	66.04	72.93	73.05	73.17	73.19	73.03
26	73.08	73.41	66.03	66.11	78.61	66.48	66.77	73.04	73.07	73.35	73.22	73.72
27	73.03	73.24	66.01	66.71	84.68	66.38	66.56	73.16	73.08	73.23	73.20	80.48
28	72.99	73.15	65.96	66.58	85.12	66.01	66.18	73.18	73.08	72.95	73.18	88.91
29	72.94	73.06	66.04	65.96	82.38	66.19	66.05	73.15	73.08	73.00	73.12	90.05
30	72.99	73.05	66.12	66.19	---	66.32	66.17	73.01	73.11	73.05	73.06	87.23
31	73.05	72.99	66.10	67.06	---	66.07	66.71	72.93	73.12	73.08	73.14	83.80
MEAN	73.11	---	66.04	66.49	---	65.83	---	73.00	---	73.11	73.43	---
MAX	73.07	73.19	67.91	66.42	68.57	67.55	66.62	72.47	73.09	73.08	73.13	75.27
MIN	73.23	74.07	73.22	69.92	85.12	79.07	69.04	74.28	73.32	73.35	73.43	90.05
Δ	72.90	72.80	65.63	65.96	65.96	65.83	65.89	67.21	72.90	72.95	72.96	72.93
*	12,825	12,661	5,225	5,353	23,380	5,034	6,170	12,736	12,837	12,825	13,180	25,320
†	+0.42	-2.76	-1.21	+2.08	+3.25	-2.98	+19.1	+107	+1.70	-0.20	+5.77	+204

CAL YR 1974 MEAN 70.61 MAX 84.09 MIN 63.92 Δ -12.7
 WTR YR 1975 MEAN 70.87 MAX 90.05 MIN 65.63 Δ +17.3

* Contents, in acre-feet, at end of month.
 † Change in contents, equivalent in cubic feet per second.
 * Add 900 ft to obtain elevations above mean sea level.

SUSQUEHANNA RIVER BASIN

01512500 CHENANGO RIVER NEAR CHENANGO FORKS, N.Y.

LOCATION.--Lat 42°13'05", long 75°50'55", Broome County, on left bank in Chenango Valley State Park, 1.2 mi (1.9 km) downstream from Tioughnioga River and village of Chenango Forks.

DRAINAGE AREA.--1,483 mi² (3,841 km²).

PERIOD OF RECORD.--November 1912 to current year.

GAGE.--Water-stage recorder. Datum of gage is 871.73 ft (265.703 m) above mean sea level (levels by Corps of Engineers). Nov. 11, 1912 to Oct. 1, 1914, nonrecording gage and Oct. 2, 1914 to Aug. 2, 1936, water-stage recorder at site 300 ft (91 m) upstream at same datum.

AVERAGE DISCHARGE.--62 years (1913-75), 2,399 ft³/s (67.94 m³/s).

EXTREMES.--Current year: Maximum discharge, 26,900 ft³/s (762 m³/s) Sept. 26 (gage height, 11.34 ft or 3.456 m); minimum, 216 ft³/s (6.11 m³/s) Aug. 23 (gage height, 2.62 ft or 0.799 m).

Period of record: Maximum discharge, 96,000 ft³/s (2,720 m³/s) July 8, 1935 (gage height, 20.3 ft or 6.19 m, from floodmarks), from rating curve extended above 32,000 ft³/s (906 m³/s) on basis of slope-area measurement of peak flow; minimum, 84 ft³/s (2.38 m³/s) Sept. 19, 25, 1939 (gage height, 2.24 ft or 0.683 m).

REMARKS.--Records good except those for winter periods, 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.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	640	583	2250	1500	3950	8130	3290	1910	1250	518	397	822
2	600	583	2370	1500	2800	6870	3020	2560	1170	528	364	690
3	700	565	2650	1400	2500	6010	4820	2930	1020	473	356	565
4	740	650	2660	1400	2100	5060	8330	2890	999	447	349	473
5	700	1790	2290	1400	2000	3720	6140	5300	1060	438	372	430
6	600	3800	2290	1400	2100	2880	5230	4720	2630	413	397	405
7	620	3290	2200	1300	1900	2660	4960	8630	3400	388	456	380
8	600	2560	5960	1390	1700	3600	4910	7640	2440	372	482	356
9	520	2070	13800	2070	1600	3080	3910	4960	1850	447	465	438
10	420	1720	11300	3860	1500	2510	3620	3910	1500	491	422	447
11	400	1420	8360	6980	1600	2510	3600	3270	1220	583	405	397
12	380	1420	6840	11800	1500	2300	3600	2990	1270	500	447	602
13	370	4720	5620	9480	1400	2560	3340	3640	1630	473	482	1640
14	621	5620	4490	6650	1300	2950	3040	3720	1530	518	430	1240
15	631	4600	3680	4220	1300	2530	3230	2910	1300	500	372	822
16	876	3520	3310	3480	1300	2100	3460	3950	1100	491	380	710
17	1020	2910	3740	3200	1200	2190	4060	3720	898	537	364	621
18	965	2540	3680	3300	1200	2460	4820	2890	822	518	349	612
19	854	2270	3130	2600	2200	3400	5520	2610	843	491	320	670
20	740	3130	2610	2400	2490	9950	6680	2250	976	565	298	833
21	670	6140	2390	2200	2020	11000	5780	1940	843	543	278	1080
22	660	5350	2200	2000	1820	8750	4190	1760	700	583	271	1180
23	670	3740	2100	1900	3270	7660	3500	1610	660	555	234	1010
24	720	3560	2000	1800	13600	7010	3320	1470	650	528	342	1230
25	710	4580	2000	2000	21800	7980	4470	1140	620	1070	500	6790
26	730	4600	1900	4490	16300	8480	3970	1090	612	1230	397	20200
27	730	3420	1700	3990	11400	6040	3230	1560	555	876	364	20400
28	680	3130	1700	2930	9410	4540	2730	1580	546	660	356	14400
29	602	2840	1600	3210	---	4440	2320	1270	555	565	342	9820
30	574	2560	1600	6980	---	4400	1980	1060	555	491	500	7720
31	574	---	1500	5470	---	3860	---	987	---	447	1130	---
TOTAL	20317	89681	113920	108300	117260	151630	125070	92867	35204	17279	12621	96983
MEAN	655	2989	3675	3494	4188	4891	4169	2996	1173	557	407	3233
MAX	1020	6140	13800	11800	21800	11000	8330	8630	3400	1230	1130	20400
MIN	370	565	1500	1300	1200	2100	1980	987	546	372	234	356
CAL YR 1974	TOTAL	915412	MEAN	2508	MAX	18100	MIN	259				
WTR YR 1975	TOTAL	981132	MEAN	2688	MAX	21800	MIN	234				

PEAK DISCHARGE (BASE, 18,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
2-25	0800	10.53	22,800	9-26	2100	11.34	26,900

01514000 OWEGO CREEK NEAR OWEGO, N.Y.

LOCATION.--Lat 42°07'40", long 76°16'17", Tioga County, on right bank 300 ft (91 m) upstream from bridge on State Highway 96, 0.5 mi (0.8 km) upstream from Catatonk Creek and 1.5 mi (2.4 km) north of Owego.

DRAINAGE AREA.--185 mi² (479 km²).

PERIOD OF RECORD.--January 1930 to current year.

GAGE.--Water-stage recorder. Datum of gage is 819.82 ft (249.881 m) above mean sea level. Prior to July 8, 1935, water-stage recorder and July 9, 1935 to Sept. 30, 1936, nonrecording gage at site 250 ft (76 m) downstream, and Oct. 1, 1936 to Oct. 1, 1962, water-stage recorder at present site at datum 1.00 ft (0.305 m) higher.

AVERAGE DISCHARGE.--45 years, 274 ft³/s (7.760 m³/s) (20.11 in/yr or 510.8 mm/yr).

EXTREMES.--Current year: Maximum discharge, 14,200 ft³/s (402 m³/s) Sept. 26 (gage height, 10.94 ft or 3.335 m); minimum, 20 ft³/s (0.57 m³/s) Aug. 23-24 (gage height, 0.38 ft or 0.116 m).
 Period of record: Maximum discharge, 23,500 ft³/s (666 m³/s) July 8, 1935 (gage height, 11.50 ft or 3.505 m), present datum, from floodmarks), from rating curve extended above 7,800 ft³/s (221 m³/s) on basis of slope-area measurement of peak flow; minimum, 8.1 ft³/s (0.23 m³/s) Aug. 13, 1965 (gage height, 0.69 ft or 0.210 m).

REMARKS.--Records good except those for winter periods and those for period of no gage-height record, which are fair.

REVISIONS.--WRD N.Y. 1969: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	31	168	120	280	595	356	167	91	40	28	61
2	33	30	168	100	230	452	324	258	85	35	26	63
3	41	29	168	96	190	389	694	227	79	34	25	81
4	43	32	151	88	140	324	665	605	81	33	26	58
5	41	74	120	84	140	297	484	1180	83	31	50	51
6												
7	38	206	120	90	150	272	448	1350	255	28	54	51
8	35	135	117	130	130	258	403	1740	324	27	40	48
9	34	105	1910	117	120	407	364	837	179	27	34	43
10	33	92	2090	414	110	255	340	585	139	27	30	91
11	33	81	868	592	100	210	348	452	113	28	29	71
12	32	74	568	2130	94	200	376	368	96	50	38	55
13	31	73	445	1920	94	206	372	336	115	56	30	241
14	29	604	396	934	94	265	316	484	123	54	29	279
15	29	308	346	628	96	258	283	550	98	50	26	152
16	33	245	304	409	98	212	312	356	85	40	24	113
17	45	206	293	340	105	185	304	670	79	43	36	92
18	48	176	396	300	111	227	324	430	74	43	34	85
19	45	158	346	260	211	290	328	352	71	36	29	79
20	42	141	272	230	346	439	356	316	69	50	26	130
21	41	301	245	190	286	1850	332	272	73	70	24	126
22	40	640	217	163	217	1120	272	230	69	45	22	139
23	38	392	206	189	275	760	224	200	62	40	22	117
24	38	286	181	168	1050	748	203	173	56	35	21	117
25	36	304	179	163	4240	718	230	154	54	66	117	336
26	36	379	186	226	4800	952	286	139	50	120	91	3240
27	35	335	173	574	1900	766	221	121	46	72	55	9540
28	34	258	158	282	1060	530	191	165	47	50	45	4610
29	33	220	153	220	724	448	176	135	50	56	37	1640
30	33	200	146	405	---	452	165	111	46	54	35	986
31	32	180	146	646	---	448	152	100	45	40	111	694
TOTAL	32	---	141	339	---	380	---	98	---	33	---	---
MEAN	1123	6295	11377	12547	17391	14913	9849	13161	2837	1413	1281	23389
MAX	36.2	210	367	405	621	481	328	425	94.6	45.6	41.3	780
MIN	48	640	2090	2130	4800	1850	694	1740	324	120	117	9540
CFSM	29	29	117	84	94	185	152	98	45	27	21	43
IN.	.20	1.14	1.98	2.19	3.36	2.60	1.77	2.30	.51	.25	.22	4.22
	.23	1.27	2.29	2.52	3.50	3.00	1.98	2.65	.57	.28	.26	4.70
CAL YR 1974	TOTAL	91508	MEAN 251	MAX 2910	MIN 14	CFSM 1.36	IN 18.40					
WTR YR 1975	TOTAL	115576	MEAN 317	MAX 9540	MIN 21	CFSM 1.71	IN 23.24					

PEAK DISCHARGE (BASE, 3,800 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
2-24	1900	8.73	7,010	9-26	1530	10.94	14,200

NOTE.-- No gage-height record June 22 to Aug. 11.

SUSQUEHANNA RIVER BASIN

01515000 SUSQUEHANNA RIVER NEAR WAVERLY, N.Y.

LOCATION.--Lat 41°59'05", long 76°30'05", Bradford County, Pa., on left bank 0.2 mi (0.3 km) upstream from Cayuta Creek, 0.4 mi (0.6 km) upstream from bridge on East Lockhart Street at Sayre, Pa., 1 mi (2 km) downstream from New York-Pennsylvania State line, and 2 mi (3 km) southeast of Waverly.

DRAINAGE AREA.--4,773 mi² (12,362 km²).

PERIOD OF RECORD.--February 1937 to current year.

GAGE.--Water-stage recorder. Datum of gage is 743.96 ft (226.759 m) above mean sea level (levels by Corps of Engineers). Prior to November 1939, at datum 1.0 ft (0.30 m) higher.

AVERAGE DISCHARGE.--38 years, 7,437 ft³/s (210.6 m³/s) (21.16 in/yr or 537.5 mm/yr).

EXTREMES.--Current year: Maximum discharge, 111,000 ft³/s (3,144 m³/s) Sept. 27 (gage height, 20.16 ft or 6.145 m); minimum, 872 ft³/s (24.7 m³/s) Aug. 23-24 (gage height, 1.10 ft or 0.335 m).

Period of record: Maximum discharge, 121,000 ft³/s (3,430 m³/s) June 23, 1972 (gage height, 21.24 ft or 6.474 m); minimum daily, 237 ft³/s (6.71 m³/s) Sept. 22, 23, 1964; minimum gage height, 0.52 ft (0.158 m) Sept. 24, 25, 1939.

Flood in March 1936 reached a stage of about 21.4 ft (6.52 m), from flood profile (discharge, 128,000 ft³/s or 3,620 m³/s).

REMARKS.--Records good except those for winter periods, which are fair. Minor regulation by upstream lakes and reservoirs. Slight diversion from upstream tributaries for operation of Erie (Barge) Canal.

REVISIONS.--WRD N.Y. 1969: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3280	1660	7800	5000	15000	24200	11600	6560	3080	1490	1260	4670
2	3700	1640	7250	4700	11600	20100	10300	7190	3330	1390	1120	4980
3	3530	1620	7390	4500	9000	16900	10900	8830	3220	1350	1030	3700
4	3780	1660	7630	4100	6400	13700	22300	10100	2930	1320	962	2790
5	3560	1910	7150	4300	6600	11900	26000	15400	3220	1240	936	2220
6	3170	4490	6500	4100	6800	9710	20800	17700	7630	1170	1000	2040
7	2950	8330	6050	4000	6600	8780	16500	30200	13000	1160	1140	1930
8	2810	8400	13200	4010	6200	8790	14900	28000	10900	1100	1180	1750
9	2540	6790	37300	5400	5600	9490	13400	21500	8180	1030	1300	1750
10	2300	5790	37300	11300	4800	8360	11900	15500	6240	1150	1470	1870
11	2100	5080	29300	18900	4800	7120	11300	12700	4990	1470	1560	1780
12	1980	4520	22100	35700	4400	6820	10900	11200	4790	1460	1430	2120
13	1890	7800	17900	33800	4200	6820	10500	11500	5960	1330	1320	3450
14	1840	14800	14800	25900	4000	7490	9820	12400	6090	1210	1330	4190
15	1870	16000	13000	17400	3900	7800	9080	11700	5930	1260	1290	3640
16	1910	13700	11700	13400	4000	7120	9160	11400	5110	1230	1460	2950
17	2260	11300	12400	10900	3900	6470	9530	11800	4280	1210	2100	2470
18	2950	9600	12700	9400	4200	7190	10300	10500	3620	1180	1800	2120
19	3220	8540	11100	8400	7000	8150	11400	9120	3300	1120	1470	2120
20	2860	8180	9530	8600	8150	19600	12700	8110	3100	1410	1230	2470
21	2450	12500	8470	7400	7360	31400	14100	7220	3100	1950	1070	3640
22	2220	15900	7830	5600	6820	28300	12700	6430	2720	2450	962	5300
23	2080	15400	7320	6000	10600	22900	10500	5900	2350	2140	885	5900
24	1970	12400	6800	5800	38300	19600	9120	5530	2140	1950	988	7250
25	1980	11900	6890	6800	76200	20400	9790	5200	2040	2650	2430	27900
26	1970	13500	6600	12900	63200	22100	11200	4190	1930	3000	2200	86000
27	2000	12600	6000	15900	45800	20600	10300	3870	1800	2980	1750	96100
28	2000	10600	5600	13100	31800	16100	8790	4220	1690	2670	1540	49300
29	1950	9270	5400	11100	---	13300	7800	4070	1640	2120	1350	33300
30	1800	8540	5400	17300	---	13100	6960	3560	1560	1690	1980	23400
31	1730	---	5200	19300	---	13000	---	3220	---	1430	4920	---
TOTAL	76650	264420	363610	355010	407230	437210	364550	324820	129870	50310	46463	393100
MEAN	2473	8814	11730	11450	14540	14100	12150	10480	4329	1623	1499	13100
MAX	3780	16000	37300	35700	76200	31400	26000	30200	13000	3000	4920	96100
MIN	1730	1620	5200	4000	3900	6470	6960	3220	1560	1030	885	1750
CFSM	.52	1.85	2.46	2.40	3.05	2.95	2.55	2.20	.91	.34	.31	2.74
IN.	.60	2.06	2.83	2.77	3.17	3.41	2.84	2.53	1.01	.39	.36	3.06
CAL YR 1974	TOTAL	2898474	MEAN	7941	MAX	41600	MIN	734	CFSM	1.66	IN	22.59
WTR YR 1975	TOTAL	3213243	MEAN	8803	MAX	96100	MIN	885	CFSM	1.84	IN	25.04

PEAK DISCHARGE (BASE, 52,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
2-25	1200	16.25	79,000	9-27	0400	20.16	111,000

01520500 TIOGA RIVER AT LINDLEY, N.Y.

LOCATION.--Lat 42°01'44", long 77°07'57", Steuben County, on left bank just downstream from bridge on County Highway 120 at Lindley, and 6 mi (10 km) upstream from Canisteo River.

DRAINAGE AREA.--771 mi² (1,997 km²).

PERIOD OF RECORD.--January 1930 to current year.

GAGE.--Water-stage recorder. Datum of gage is 964.50 ft (293.980 m) above mean sea level. Prior to Feb. 9, 1937, nonrecording gage on bridge at same datum.

AVERAGE DISCHARGE.--45 years, 789 ft³/s (22.34 m³/s) 13.89 in/yr (352.8 mm/yr).

EXTREMES.--Current year: Maximum discharge, 80,600 ft³/s (2,280 m³/s) Sept. 26 (gage height, 23.37 ft or 7.123 m); minimum, 59 ft³/s (1.67 m³/s) Aug. 29 (gage height, 2.96 ft or 0.902 m).

Period of record: Maximum discharge, 128,000 ft³/s (3,620 m³/s) June 23, 1972 (gage height, 26.27 ft or 8.007 m), from high-water mark in gage house), from rating curve extended above 31,000 ft³/s (878 m³/s) on basis of velocity-area and slope-area studies at gage height 19.2 ft (5.85 m) and conveyance study and slope-area measurements at gage heights 22.87 ft (6.971 m) and 26.27 ft (8.007 m); minimum, 6.1 ft³/s (0.17 m³/s) Sept. 1, 1939; minimum gage height, 2.80 ft (0.853 m) Sept. 11, 12, 1930.

REMARKS.--Records good except those for winter periods, which are fair. Water quality records published in Section 2 of this report.

REVISIONS (WATER YEARS).--WSP 871: 1938. WRD N.Y. 1969: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	147	86	306	722	1120	1700	830	353	381	203	113	242	
2	144	86	300	631	861	1200	742	518	337	172	104	197	
3	154	85	290	500	620	940	1580	519	322	175	98	161	
4	137	94	270	605	540	883	1510	638	311	481	95	143	
5	122	507	230	510	480	857	1130	2520	3160	264	118	112	
6	110	923	280	359	440	753	1070	3610	11800	195	123	119	
7	102	508	296	482	400	700	958	4600	5090	235	183	161	
8	95	390	4180	405	360	814	890	2270	2640	212	159	123	
9	93	317	4400	1300	320	523	948	1580	1690	191	117	179	
10	90	273	1990	1580	280	490	830	1210	1140	226	99	157	
11	87	243	1290	6420	260	470	745	985	864	207	89	112	
12	83	245	1090	4540	250	491	672	865	1170	207	82	471	
13	83	954	998	2600	250	576	608	929	988	1350	78	690	
14	81	583	915	1680	260	577	550	1080	711	443	77	350	
15	88	455	831	1100	270	480	533	791	575	660	75	251	
16	121	386	945	1040	290	485	512	1250	1810	366	81	197	
17	187	338	1420	780	310	592	477	906	1010	326	116	170	
18	162	310	1110	700	741	891	450	760	682	264	98	159	
19	130	287	780	600	1650	2670	530	706	532	218	78	207	
20	115	324	700	520	971	5220	548	621	522	622	70	214	
21	105	1000	600	410	636	2680	484	565	417	478	65	180	
22	99	749	560	430	757	2090	422	641	343	285	64	164	
23	96	519	500	450	2890	2020	395	722	297	215	63	152	
24	94	510	626	470	14400	1730	409	554	417	206	75	810	
25	96	566	1410	500	11800	2050	472	2050	330	720	69	8990	
26	101	601	1260	1140	4860	1600	434	979	281	353	67	51300	
27	106	403	876	718	3010	1120	384	889	283	230	69	11100	
28	99	450	783	564	2080	1030	350	663	295	196	65	3720	
29	93	417	700	1980	---	1040	338	506	257	173	60	2250	
30	88	363	762	3420	---	1060	329	436	225	144	571	1550	
31	87	---	804	1420	---	913	---	438	---	126	477	---	
TOTAL	3395	12972	31502	38576	51106	38645	20130	35154	38880	10143	3698	84631	
MEAN	110	432	1016	1244	1825	1247	671	1134	1296	327	119	2821	
MAX	187	1000	4400	6420	14400	5220	1580	4600	11800	1350	571	51300	
MIN	81	85	230	359	250	470	329	353	225	126	60	112	
CFSM	.14	.56	1.32	1.61	2.37	1.62	.87	1.47	1.68	.42	.15	3.66	
IN.	.16	.63	1.52	1.86	2.47	1.86	.97	1.70	1.88	.49	.18	4.08	
CAL YR	1974	TOTAL	282123	MEAN	773	MAX	6130	MIN	46	CFSM	1.00	IN	13.61
WTR YR	1975	TOTAL	368832	MEAN	1010	MAX	51300	MIN	60	CFSM	1.31	IN	17.80

PEAK DISCHARGE (BASE, 10,200 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-11							
2-24	1700	12.12	11,300	6-06	1730	13.37	14,200
	2030	15.66	21,700	9-26	1200	23.37	80,600

SUSQUEHANNA RIVER BASIN

01521000 ARKPORT RESERVOIR NEAR ARKPORT, N.Y.

LOCATION.--Lat 42°23'45", long 77°43'00", Steuben County, on right bank 1,000 ft (305 m) upstream from Arkport Dam on Canisteo River, 1.3 mi (2.1 km) west of Arkport, and 2.3 mi (3.7 km) upstream from small tributary.

DRAINAGE AREA.--30.5 mi² (79.0 km²).

PERIOD OF RECORD.--January 1951 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers).

EXTREMES.--Current year: Maximum elevation, 1,254.16 ft (382.268 m) Feb. 25 (contents, 1,353 acre-ft or 1.67 hm³); minimum, 1,227.17 ft (374.041 m) Oct. 22, 23, 25 to Nov. 20 (contents, 2 acre-ft or 2,470 m³).
 Period of record: Maximum elevation, 1,304.04 ft (397.471 m) June 23, 1972 (contents, 7,944 acre-ft or 9.79 hm³); minimum, 1,226.6 ft (373.87 m) Nov. 4-6, 12-15, 18-25, 1963 (contents, 1 acre-ft or 1,230 m³).

REMARKS.--Reservoir is formed by earth-fill dam with concrete spillway, completed by Corps of Engineers in 1940 for flood control; first used for flood regulation on Mar. 31, 1940. Usable capacity, 7,936 acre-ft (9.79 hm³) between elevations 1,218.0 ft (371.25 m) (sill of conduit) and 1,304.0 ft (397.46 m) (crest of spillway). No dead storage. The flood-control works consist of a pressure conduit and a side-channel spillway and are not provided with gates. Water is stored during high flows and released gradually.

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

REVISIONS (WATER YEARS).--WSP 1552: 1951-57. WRD N.Y. 1974: 1973.

Capacity table (elevation, in feet, and usable contents, in acre-feet)
 (Based on field survey by Corps of Engineers in 1937)

1,226.00	0	1,235.00	264	1,270.00	2,908
1,227.00	1	1,240.00	462	1,280.00	4,142
1,228.00	8	1,245.00	719	1,290.00	5,552
1,229.00	51	1,250.00	1,040	1,300.00	7,192
1,230.00	122	1,260.00	1,861	1,310.00	9,161

*GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27.19	27.17	27.20	27.44	27.73	27.78	27.83	27.71	28.00	27.71	27.60	27.93
2	27.19	27.17	27.19	27.36	27.58	27.67	27.82	28.30	27.90	27.68	27.60	27.87
3	27.19	27.17	27.19	27.37	27.52	27.62	28.75	27.93	28.80	27.75	27.59	27.81
4	27.18	27.17	27.19	27.40	27.46	27.62	28.72	32.49	28.32	27.79	27.63	27.78
5	27.18	27.21	27.19	27.36	27.47	27.57	28.85	30.07	32.32	27.72	27.66	27.75
6	27.18	27.17	27.19	27.35	27.45	27.57	28.00	36.80	34.63	27.69	27.68	27.75
7	27.18	27.17	27.19	27.39	27.43	27.58	27.78	45.02	30.55	27.67	27.73	27.73
8	27.18	27.17	29.00	27.38	27.55	27.79	27.90	29.68	29.26	27.67	27.67	27.71
9	27.18	27.17	28.51	27.86	27.42	27.78	28.15	28.22	29.39	27.69	27.63	27.69
10	27.18	27.17	27.69	27.95	27.68	27.58	28.16	28.13	28.03	27.69	27.62	27.68
11	27.18	27.17	27.55	37.17	27.41	27.58	28.04	28.08	27.94	27.72	27.61	27.67
12	27.18	27.17	27.53	33.42	27.38	27.56	27.84	28.07	29.11	27.70	27.60	30.41
13	27.18	27.17	27.56	27.87	27.38	27.80	27.76	28.09	29.09	27.68	27.59	28.28
14	27.18	27.17	27.56	27.62	27.37	27.68	27.73	28.04	28.47	27.67	27.59	28.23
15	27.18	27.17	27.51	27.54	27.35	28.12	27.75	28.15	28.11	27.68	27.58	28.12
16	27.18	27.17	27.51	27.53	27.36	27.59	27.77	28.70	34.55	27.67	27.59	28.08
17	27.18	27.17	27.55	27.47	27.41	27.72	27.76	28.09	29.12	27.65	27.60	28.06
18	27.18	27.17	27.52	27.46	27.55	27.93	27.75	28.02	28.06	27.64	27.59	28.06
19	27.18	27.17	27.46	27.45	27.64	31.86	27.84	27.97	29.13	27.63	27.58	28.16
20	27.18	27.80	27.43	27.45	27.59	36.65	27.83	27.91	28.80	27.71	27.57	28.11
21	27.18	27.86	27.35	27.56	27.55	28.47	27.77	27.87	27.96	27.83	27.57	28.10
22	27.18	27.39	27.39	27.39	27.67	28.04	27.71	27.82	27.87	27.85	27.58	28.07
23	27.17	27.22	27.37	27.36	30.32	28.09	27.68	28.52	27.82	27.61	27.57	27.92
24	27.18	27.60	27.50	27.36	46.10	28.52	28.20	30.40	27.80	27.61	27.64	27.45
25	27.18	27.70	27.54	27.44	50.64	30.50	28.01	31.39	27.79	27.70	27.75	34.17
26	27.18	27.34	27.48	27.71	33.65	28.26	27.79	28.26	27.77	27.66	28.09	48.63
27	27.17	27.23	27.47	27.55	27.95	27.86	27.73	28.06	27.76	27.62	28.22	32.86
28	27.17	27.21	27.45	27.48	27.80	27.77	27.71	27.97	27.75	27.78	27.86	28.32
29	27.17	27.20	27.43	35.93	---	27.91	27.69	27.89	27.73	27.69	27.79	28.14
30	27.17	27.20	27.44	37.53	---	27.94	27.66	27.84	27.72	27.64	28.28	27.88
31	27.17	---	27.38	27.93	---	27.83	---	27.85	---	27.62	28.03	---
MEAN	27.18	27.27	27.50	28.62	29.34	28.33	27.93	29.33	28.89	27.69	27.70	29.08
MAX	27.19	27.86	29.00	37.53	50.64	36.65	28.85	45.02	34.63	27.85	28.28	48.63
MIN	27.17	27.17	27.19	27.35	27.35	27.56	27.66	27.71	27.72	27.61	27.57	27.45
#	2	2	4	6	7	7	6	7	6	5	8	4
#	0	0	0	0	0	0	0	0	0	0	0	0.1

CLR YR 1974 MEAN 28.40 MAX 37.79 MIN 27.13 #0
 WTR YR 1975 MEAN 28.23 MAX 50.64 MIN 27.17 #0

Contents, in acre-feet, at end of month.
 # Change in contents, equivalent in cubic feet per second.
 * Add 1,200 ft to obtain elevations above mean sea level.

SUSQUEHANNA RIVER BASIN

185

01521500 CANISTEO RIVER AT ARKPORT, N.Y.

LOCATION.--Lat 42°23'45", long 77°42'42", Steuben County, on left bank 0.2 mi (0.3 km) downstream from Arkport Dam and 0.9 mi (1.4 km) west of Arkport.

DRAINAGE AREA.--30.6 mi² (79.3 km²).

PERIOD OF RECORD.--January 1937 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 1,202.85 ft (366.629 m) above mean sea level.

AVERAGE DISCHARGE.--38 years, 34.4 ft³/s (0.974 m³/s).

EXTREMES.--Current year: Maximum discharge, 841 ft³/s (23.8 m³/s) Sept. 26 (gage height, 3.23 ft or 0.985 m); minimum discharge, 1.8 ft³/s (0.051 m³/s) Aug. 19-21 (gage height, 0.66 ft or 0.201 m).
 Period of record: Maximum discharge, 2,000 ft³/s (56.6 m³/s) Mar. 5, 1938, Feb. 20, 1939; maximum gage height, 5.63 ft (1.716 m) Feb. 19, 1939 (ice jam); practically no flow July 30, 1938, Sept. 30, 1939 (result of construction operations).
 Flood of July 8, 1935, reached a discharge of 4,820 ft³/s (137 m³/s), by slope-area measurement.

REMARKS.--Records good except those for winter periods, which are poor. Since November 1939, flows above 500 ft³/s (14.2 m³/s) controlled by detention in Arkport Reservoir (see station 01521000).

REVISIONS (WATER YEARS).--WSP 1552: 1952-57. WRD N.Y. 1969: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.1	5.1	12	23	38	40	33	15	22	4.7	2.7	11
2	5.1	5.1	12	19	27	30	34	35	14	4.4	2.7	8.5
3	5.4	5.1	13	23	20	25	67	24	39	8.0	2.4	6.2
4	5.1	9.6	13	18	21	21	46	197	30	8.5	4.7	5.1
5	4.1	84	12	17	22	21	33	123	200	5.4	3.8	4.4
6	3.8	34	13	22	16	22	28	291	318	4.7	5.4	4.4
7	4.1	21	11	17	16	22	26	640	80	4.1	5.8	3.8
8	3.8	15	234	16	16	22	30	119	53	4.4	4.1	3.5
9	3.8	11	160	56	15	18	34	46	35	5.1	3.2	3.2
10	3.8	9.6	50	67	14	20	38	33	23	5.1	2.9	2.9
11	3.8	8.5	32	548	13	18	30	26	17	5.8	2.7	2.9
12	3.5	8.5	30	379	12	19	25	24	44	4.4	2.7	302
13	3.8	13	33	67	13	45	25	25	46	4.1	2.4	53
14	4.1	10	33	30	11	24	23	22	32	4.1	2.4	43
15	5.4	8.5	29	22	9.0	23	24	24	26	4.4	2.0	22
16	6.6	7.5	29	20	9.6	28	25	53	275	4.1	2.4	15
17	6.2	7.1	32	18	12	33	24	27	48	3.5	2.4	13
18	5.8	6.6	30	17	23	52	24	22	26	3.2	2.2	13
19	5.4	5.8	24	16	31	241	33	18	40	3.5	2.0	30
20	5.4	137	22	15	24	477	31	15	38	4.1	1.8	18
21	5.1	117	20	12	27	100	24	13	20	3.2	2.0	17
22	5.1	48	18	13	35	74	19	11	14	2.9	2.2	11
23	4.7	28	19	14	182	77	16	36	11	2.7	2.0	8.5
24	4.7	67	27	13	692	87	34	106	9.6	3.8	5.8	14
25	5.4	75	30	17	753	147	35	137	9.0	4.7	4.7	393
26	5.4	38	26	43	361	77	25	35	8.0	3.5	36	811
27	5.4	23	25	26	64	34	20	26	7.1	3.2	34	370
28	5.1	20	23	24	45	30	17	18	6.6	9.6	8.5	61
29	5.1	17	22	352	---	35	16	14	6.2	4.7	6.2	34
30	5.1	14	23	509	---	42	14	12	5.4	3.5	44	24
31	5.1	---	19	65	---	33	---	12	---	2.9	18	---
TOTAL MEAN	149.3	859.0	1076	2498	2521.6	1937	853	2199	1502.9	140.3	224.1	2308.4
MAX	4.82	28.6	34.7	80.6	90.1	62.5	28.4	70.9	50.1	4.53	7.23	76.9
MIN	6.6	137	234	548	753	477	67	640	318	9.6	44	811
	3.5	5.1	11	12	9.0	18	14	11	5.4	2.7	1.8	2.9
CAL YR 1974	TOTAL	13066.0	MEAN	35.8	MAX	509	MIN	1.6				
WTR YR 1975	TOTAL	16268.6	MEAN	44.6	MAX	811	MIN	1.8				

01523000 ALMOND LAKE NEAR ALMOND, N.Y.

LOCATION.--Lat 42°20'50", long 77°42'20", Steuben County, at Almond Dam on Canacadea Creek, 2 mi (3 km) northeast of Almond, and 3 mi (5 km) upstream from mouth.

DRAINAGE AREA.--55.8 mi² (145 km²).

PERIOD OF RECORD.--July 1949 to September 1952 (monthly elevations and contents), October 1952 to current year. Prior to October 1970, published as Almond Reservoir near Almond.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers).

EXTREMES.--Current year: Maximum elevation, 1,277.83 ft (389.483 m) Sept. 27 (contents, 5,889 acre-ft or 7.26 hm³); minimum, 1,249.00 ft (380.695 m) Dec. 8 (contents, 490 acre-ft or 604,000 m³).
 Period of record: Maximum elevation, 1,298.58 ft (395.807 m) June 23, 1972 (contents, 14,100 acre-ft or 17.4 hm³); no contents for many days each year 1949-65.

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 (18.2 hm³) between elevations 1,229.0 ft (374.60 m) (sill of gates) and 1,300.0 ft (396.24 m) (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.

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

REVISIONS.--WRD N.Y. 1970: Drainage area.

Capacity table (elevation, in feet, and usable contents, in acre-feet)
 (Based on field survey by Corps of Engineers in 1938)

1,240.00	80	1,260.00	1,750
1,245.00	230	1,270.00	3,750
1,250.00	570	1,280.00	6,570
1,255.00	1,080	1,290.00	10,300

*GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50.60	50.27	50.07	50.51	50.89	50.34	51.53	51.38	55.51	54.63	55.24	54.85
2	50.26	50.17	50.01	50.40	50.83	50.18	51.52	52.46	55.72	54.62	55.21	54.88
3	50.31	50.03	50.07	49.98	50.69	50.56	51.77	53.48	56.07	54.81	55.17	54.83
4	50.35	50.00	50.29	49.90	50.36	50.69	50.79	54.70	55.81	55.30	55.14	54.74
5	50.35	51.74	49.97	49.65	50.45	50.77	50.42	55.26	56.24	55.22	55.14	54.62
6	50.32	51.73	49.89	49.24	50.54	50.78	50.23	58.49	55.81	55.20	55.16	54.55
7	50.29	51.08	49.63	49.71	50.41	50.57	49.83	67.06	55.56	55.16	55.32	54.57
8	50.24	50.48	51.58	49.80	50.28	51.62	49.26	61.24	54.90	55.10	55.32	54.58
9	50.18	50.44	51.11	49.98	50.33	51.26	49.44	55.35	54.98	55.03	55.28	54.57
10	50.13	50.35	50.94	50.07	50.16	50.44	49.69	55.05	55.00	54.95	55.23	54.55
11	50.08	50.19	50.50	55.02	50.12	50.06	49.72	55.01	55.02	54.97	55.17	54.53
12	50.12	50.01	50.51	53.18	50.04	50.01	49.61	55.36	55.35	54.94	55.10	58.76
13	50.17	50.17	50.66	51.63	49.97	50.82	49.78	55.91	56.15	54.88	55.03	56.26
14	50.21	50.16	50.62	51.07	50.09	50.54	49.81	55.87	55.88	54.82	54.96	55.69
15	50.19	50.08	50.07	50.67	50.22	50.14	50.44	55.61	55.54	54.97	54.89	55.49
16	50.24	50.04	50.39	50.75	50.36	50.27	50.78	56.11	58.05	55.00	54.85	55.13
17	50.18	49.98	50.56	50.62	50.52	50.63	50.61	55.29	56.24	55.00	54.83	55.08
18	50.06	49.93	50.60	50.36	50.42	51.52	50.46	55.10	55.78	54.97	54.77	55.03
19	49.92	49.98	50.37	50.25	50.48	51.80	50.71	55.08	55.46	54.94	54.69	55.38
20	49.78	50.75	50.20	49.96	50.52	50.80	51.11	55.01	55.42	54.97	54.61	55.40
21	49.62	51.05	49.86	49.83	50.56	51.11	50.87	55.02	55.22	54.98	54.53	55.28
22	49.52	50.88	50.37	50.14	50.89	50.85	50.36	54.98	54.97	54.94	54.46	54.98
23	49.58	50.61	50.54	50.38	52.30	51.19	50.21	55.85	54.91	54.89	54.39	54.34
24	49.67	50.62	50.06	50.46	60.77	51.13	50.38	56.17	54.84	54.88	54.51	53.66
25	49.76	50.71	50.18	50.41	71.89	51.35	51.03	55.93	54.80	55.16	54.61	57.94
26	49.86	50.56	50.29	51.20	68.66	50.77	51.04	55.44	54.68	55.19	54.71	73.58
27	49.95	50.57	50.51	51.12	61.64	50.41	50.75	55.69	54.66	55.16	54.99	74.73
28	50.01	50.57	50.69	50.53	52.79	50.65	50.40	55.45	54.69	55.30	54.80	68.90
29	50.08	50.44	50.69	51.59	---	50.98	50.40	55.25	54.70	55.34	54.73	61.45
30	50.16	50.21	50.70	51.69	---	51.49	50.88	55.07	54.68	55.31	54.89	52.42
31	50.23	---	50.44	51.27	---	51.46	---	55.14	---	55.27	54.79	---
MEAN	50.08	50.46	50.40	50.69	52.76	50.81	50.46	55.77	55.42	55.03	54.92	57.03
MAX	50.60	51.74	51.58	55.02	71.89	51.80	51.77	67.06	58.05	55.34	55.32	74.73
MIN	49.52	49.93	49.63	49.24	49.97	50.01	49.26	51.38	54.66	54.62	54.39	52.42
†	593	585	611	681	771	713	669	1105	1042	1110	1058	586
*	-0.9	-0.1	+0.4	+1.1	+1.6	-0.9	-0.7	+7.1	-1.1	+3.1	-0.8	-7.9

CLR YR 1974 MEAN 52.36 MAX 56.34 MIN 49.52 † +0.1
 WTR YR 1975 MEAN 52.81 MAX 74.73 MIN 49.24 † -0.1

† Contents, in acre-feet, at end of month.
 * Change in contents, equivalent in cubic feet per second.
 * Add 1,200 ft to obtain elevation above mean sea level.

01523500 CANACADEA CREEK NEAR HORNELL, N.Y.

LOCATION.--Lat 42°20'05", long 77°41'00", Steuben County, on right bank 35 ft (11 m) downstream from bridge on State Highway 21, 1.2 mi (1.9 km) west of Hornell, 1.5 mi (2.4 km) downstream from Almond Dam, and 2 mi (3 km) upstream from mouth.

DRAINAGE AREA.--57.9 mi² (150 km²).

PERIOD OF RECORD.--October 1940 to December 1942, October 1944 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 1,185.68 ft (361.395 m) above mean sea level. Oct. 23, 1940, to Dec. 31, 1942, at site 185 ft (56 m) upstream at different datum.

AVERAGE DISCHARGE.--33 years (1940-42, 1944-75), 62.9 ft³/s (1.781 m³/s).

EXTREMES.--Current year: Maximum discharge, 1,030 ft³/s (29.2 m³/s) Jan. 11 (gage height, 3.01 ft or 0.917 m); minimum, 9.5 ft³/s (0.27 m³/s) Oct. 22 (gage height, 0.90 ft or 0.274 m).

Period of record: Maximum discharge, 9,430 ft³/s (267 m³/s) May 17, 1945 (gage height, 5.14 ft or 1.567 m), from rating curve extended above 3,400 ft³/s (96.3 m³/s); maximum gage height, 6.65 ft (2.027 m) June 3, 1947; minimum discharge, 0.5 ft³/s (0.014 m³/s) May 29, 1965 (gage height, 0.61 ft or 0.186 m); minimum daily, 0.6 ft³/s (0.017 m³/s) May 30 to June 1, 1965.

Flood of July 8, 1935, reached a stage of 16.61 ft (5.063 m), from floodmarks (discharge, 21,000 ft³/s (595 m³/s) by slope-area measurement of peak flow).

REMARKS.--Records good except those for winter periods, which are fair. Since October 1948, flood flows 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.

REVISIONS.--WRD N.Y. 1969: Drainage area. WRD N.Y. 1971: 1969(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	13	29	45	38	95	68	15	33	18	14	21
2	22	17	28	43	29	64	68	15	39	16	14	20
3	15	17	27	42	20	47	133	15	72	20	14	20
4	15	17	27	42	23	45	151	166	87	31	14	20
5	15	86	26	46	26	45	80	177	547	23	14	20
6	15	88	27	36	36	52	76	229	563	18	14	17
7	15	65	28	31	30	52	74	446	176	18	14	13
8	15	41	320	33	28	40	70	699	138	18	14	13
9	15	27	342	100	27	32	64	248	68	18	14	13
10	15	26	102	89	24	50	56	77	50	18	14	13
11	12	26	81	663	15	48	56	53	44	18	14	13
12	11	26	61	541	21	45	54	38	49	18	14	489
13	11	26	63	110	24	76	47	53	77	18	14	277
14	14	26	84	60	21	77	38	70	77	16	14	63
15	18	24	62	48	20	47	29	72	64	14	14	63
16	18	20	55	46	20	43	48	147	416	14	14	42
17	18	20	56	45	28	50	53	100	140	14	14	32
18	18	17	54	44	68	87	48	63	74	14	14	32
19	18	15	50	43	64	480	45	53	74	14	14	35
20	18	159	35	42	56	525	56	45	65	14	14	39
21	17	220	28	22	39	199	65	41	53	14	14	39
22	13	79	26	23	48	140	53	37	41	14	14	50
23	10	65	31	24	363	133	42	41	31	14	14	58
24	10	85	50	30	436	140	42	61	32	14	14	79
25	10	80	45	43	372	274	46	68	32	14	14	163
26	10	45	42	64	768	170	51	68	28	14	35	82
27	10	42	41	60	748	72	51	68	20	14	44	648
28	10	41	40	56	480	62	45	57	20	14	24	802
29	10	40	48	130	---	64	25	41	20	14	20	712
30	10	32	48	361	---	66	15	37	20	14	149	416
31	10	---	48	108	---	68	---	31	---	14	42	---
TOTAL	452	1485	2004	3070	3872	3388	1749	3331	3150	506	664	4304
MEAN	14.6	49.5	64.6	99.0	138	109	58.3	107	105	16.3	21.4	143
MAX	34	220	342	663	768	525	151	699	563	31	149	802
MIN	10	13	26	22	15	32	15	15	20	14	14	13
CAL YR	1974	TOTAL	23890.1	MEAN 65.5	MAX 706	MIN	5.3					
WTR YR	1975	TOTAL	27975.0	MEAN 76.6	MAX 802	MIN	10					

SUSQUEHANNA RIVER BASIN

01524500 CANISTEO RIVER BELOW CANACADEA CREEK, AT HORNELL, N.Y.

LOCATION.--Lat 42°18'50", long 77°39'05", Steuben County, on right bank 235 ft (72 m) upstream from Erie Railroad bridge in Hornell, 0.3 mi (0.5 km) upstream from Crosby Creek, and 1.5 mi (2.4 km) downstream from Canacadea Creek.

DRAINAGE AREA.--158 mi² (409 km²).

PERIOD OF RECORD.--August 1942 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 1,131.32 ft (344.826 m) (revised) above mean sea level.

AVERAGE DISCHARGE.--33 years, 155 ft³/s (4.390 m³/s) (13.32 in/yr or 338.3 mm/yr).

EXTREMES.--Current year: Maximum discharge, 3,270 ft³/s (92.6 m³/s) Sept. 26 (gage height, 7.91 ft or 2.410 m); minimum daily, 24 ft³/s (0.68 m³/s) Oct. 24, 28-31 (result of regulation).

Period of record: Maximum discharge, 9,560 ft³/s (271 m³/s) June 23, 1972 (gage height, 13.45 ft (4.100 m), from high-water mark); from rating curve extended above 7,600 ft³/s (215 m³/s) on basis of critical-depth measurement of peak flow; minimum, 7.4 ft³/s (0.21 m³/s) Sept. 13, 14, 1955.

REMARKS.--Records fair. Diversion from Carrington Creek, a tributary upstream from station, by city of Hornell for municipal supply (1975 average, 3.4 ft³/s (0.10 m³/s)); sewage enters river downstream from gage. Since November 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 materially affect figures of monthly runoff.

COOPERATION.--Records of diversion from Carrington Creek furnished by city of Hornell.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51	26	75	104	208	242	181	79	139	56	36	62
2	43	31	72	93	94	170	175	122	113	45	36	54
3	33	31	70	89	74	140	272	100	184	62	35	50
4	31	42	66	95	80	130	250	424	192	71	39	46
5	31	210	60	88	90	130	170	517	856	55	40	44
6	31	161	69	82	100	140	170	984	1270	48	44	40
7	31	109	70	93	90	140	160	1370	381	47	43	32
8	30	87	478	90	80	110	160	1110	303	46	38	30
9	31	70	763	216	76	100	160	460	203	48	36	30
10	30	61	233	254	70	130	150	207	150	48	45	30
11	27	58	181	1850	50	120	140	166	126	55	35	30
12	28	61	154	1290	60	120	130	150	242	46	48	1400
13	27	73	159	345	70	180	120	163	255	44	97	600
14	29	64	177	210	70	160	110	163	188	48	36	190
15	36	58	148	150	60	120	126	177	172	53	34	150
16	35	52	146	130	60	110	142	305	872	43	32	100
17	34	50	167	120	74	130	143	206	288	40	32	82
18	33	47	159	110	130	219	136	156	178	40	32	87
19	32	43	137	110	160	971	146	138	197	40	32	124
20	32	218	126	90	133	1490	150	122	189	42	28	101
21	32	258	90	70	109	533	146	114	136	39	32	97
22	28	170	90	80	134	356	123	104	112	37	31	96
23	25	135	100	80	722	336	107	127	94	36	31	100
24	24	196	140	89	1930	338	128	230	104	41	56	129
25	25	240	130	115	1610	604	141	293	100	45	55	1100
26	26	130	120	177	1460	371	131	172	82	40	127	2080
27	25	100	110	140	1070	200	121	179	72	38	151	1350
28	24	100	109	110	707	170	110	132	69	60	66	1120
29	24	100	105	1100	---	180	89	103	65	43	60	932
30	24	88	105	1080	---	211	75	97	61	38	350	576
31	24	---	99	281	---	180	---	98	---	36	110	---
TOTAL	936	3069	4708	8931	9571	8531	4362	8768	7393	1430	1867	10862
MEAN	30.2	102	152	288	342	275	145	283	246	46.1	60.2	362
MAX	51	258	763	1850	1930	1490	272	1370	1270	71	350	2080
MIN	24	26	60	70	50	100	75	79	61	36	28	30
CAL YR 1974	TOTAL	55325	MEAN 152	MAX 1580	MIN 24							
WTR YR 1975	TOTAL	70428	MEAN 193	MAX 2080	MIN 24							

PEAK DISCHARGE (BASE, 2,500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-11	1530	7.54	2,790	9-26	0145	7.91	3,270
5-06	1645	7.75	3,060				

SUSQUEHANNA RIVER BASIN

01526500 TIOGA RIVER NEAR ERWINS, N.Y.

LOCATION.--Lat 42°07'15", long 77°07'45", Steuben County, on right bank 20 ft (6 m) downstream from bridge on Mulholland Road, 1.1 mi (1.8 km) northeast of Erwins, and 1.1 mi (1.8 km) downstream from Canisteo River.

DRAINAGE AREA.--1,377 mi² (3,566 km²).

PERIOD OF RECORD.--July 1918 to current year.

GAGE.--Water-stage recorder. Datum of gage is 931.24 ft (283.842 m) above mean sea level. Prior to June 21, 1931, nonrecording gage on highway bridge at same datum.

AVERAGE DISCHARGE.--57 years, 1,358 ft³/s (38.46 m³/s) (13.39 in/yr or 340.1 mm/yr).

EXTREMES.--Current year: Maximum discharge, 95,000 ft³/s (2,690 m³/s) Sept. 26 (gage height, 23.56 ft or 7.181 m); minimum 126 ft³/s (3.57 m³/s) Aug. 21 (gage height, 1.07 ft or 0.326 m).

Period of record: Maximum discharge, 190,000 ft³/s (5,380 m³/s) June 23, 1972, from rating curve extended above 44,000 ft³/s (1,250 m³/s) on basis of slope-area measurements at gage heights 18.82 ft (5.736 m) and 23.54 ft (7.175 m) and on computation of peak flow at Lindley and Canisteo River at Erwins, 7.2 mi (11.6 km) and 2.0 mi (3.2 km) upstream, respectively, adjusted for flow from intervening area (gage height, 26.74 ft or 8.150 m, from high-water marks); minimum, 18 ft³/s (0.51 m³/s) Sept. 2, 3, 1939; minimum gage height, 0.40 ft (0.122 m) Sept. 8, 9, 1954, July 23, Aug. 10, 11, 1955.

REMARKS.--Records good except those for winter periods, which are fair. High flows slightly regulated by upstream reservoirs.

REVISIONS (WATER YEARS).--WSP 891: 1935-38. WSP 1672: 1919(M), 1927(M), 1929(M). WRD N.Y. 1969: Drainage area.

DISCHARGE IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	264	149	537	1200	2150	3300	1610	544	705	345	210	472
2	251	146	540	1000	1500	2200	1460	856	675	305	190	356
3	264	146	520	820	1000	1800	2710	924	608	282	178	291
4	242	170	480	1000	900	1400	3150	1060	743	705	174	255
5	219	790	450	860	800	1390	2200	4950	3440	472	186	219
6	198	1830	500	640	720	1350	2030	7090	15800	345	215	210
7	186	983	520	780	660	1270	1830	10900	7940	330	264	255
8	174	720	4560	680	620	1550	1690	5430	4180	335	273	219
9	167	572	8020	1570	600	1060	1900	3640	2880	291	210	246
10	163	485	3420	2770	500	983	1710	2360	2010	372	178	246
11	160	423	2260	11100	420	976	1540	1930	1480	325	160	190
12	153	417	1880	10400	420	883	1380	1610	1810	345	160	1030
13	149	1330	1750	4960	440	1090	1210	1830	2180	1910	139	2120
14	146	941	1640	3000	460	1220	1070	1950	1450	713	139	890
15	153	705	1530	1800	480	930	1010	1470	1130	1000	139	544
16	186	600	1520	1700	520	928	983	2380	3740	565	167	423
17	255	517	2250	1200	558	1080	932	1840	2660	459	202	350
18	251	478	1800	1100	1040	1810	898	1460	1470	383	190	315
19	210	441	1400	1000	2610	4150	958	1300	1090	325	153	361
20	190	472	1300	860	1830	12700	1060	1140	1220	856	135	447
21	174	2110	1000	700	1160	6090	966	990	907	774	126	361
22	167	1590	1000	700	1340	4200	838	1050	705	435	129	330
23	163	1010	860	780	4690	3980	750	1320	586	330	129	305
24	156	932	1000	800	23100	3290	758	1170	668	511	139	830
25	160	1140	1910	800	21100	4190	908	2660	593	1520	149	9630
26	163	1220	2010	1740	8970	3540	838	1510	517	675	163	64600
27	167	766	1430	1310	5810	2310	728	1510	472	400	233	19700
28	163	790	1320	966	4170	1980	668	1110	478	367	255	6940
29	156	735	1160	2880	---	1980	630	839	429	345	174	4400
30	149	645	1200	7420	---	2070	579	690	378	278	675	3240
31	149	---	1310	3050	---	1790	---	683	---	237	1080	---
TOTAL MEAN	5748	23253	51077	69586	88568	77490	38994	68196	62944	16535	6914	119775
MAX	185	775	1648	2245	3163	2500	1300	2200	2098	533	223	3993
MIN	264	2110	8020	11100	23100	12700	3150	10900	15800	1910	1080	64600
CFSM	146	146	450	640	420	883	579	544	378	237	126	190
IN.	.13	.56	1.20	1.63	2.30	1.82	.94	1.60	1.52	.39	.16	2.90
	.16	.63	1.38	1.88	2.39	2.09	1.05	1.84	1.70	.45	.19	3.24
CAL YR 1974	TOTAL	507591	MEAN	1391	MAX	12300	MIN	91	CFSM	1.01	IN	13.71
WTR YR 1975	TOTAL	629080	MEAN	1724	MAX	64600	MIN	126	CFSM	1.25	IN	16.99

PEAK DISCHARGE (BASE, 17,100 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-11							
2-24	2000	11.63	21,700	5-07	0030	11.15	19,900
3-20	2200	14.44	33,000	6-06	2000	10.58	18,000
	0100	10.39	17,300	9-26	1400	23.56	95,000

01527000 COHOCTON RIVER AT COHOCTON, N.Y.

LOCATION.--Lat 42°30'00", long 77°30'02", Steuben County, on left bank 450 ft (137 m) downstream from bridge on U.S. Highway 15 at Cohocton, 800 ft (244 m) downstream from small tributary, and 1.4 mi (2.3 km) upstream from Reynolds Creek.

DRAINAGE AREA.--52.2 mi² (135 km²).

PERIOD OF RECORD.--October 1950 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,275.49 ft (388.769 m) above mean sea level.

AVERAGE DISCHARGE.--25 years, 54.9 ft³/s (1.555 m³/s) (14.28 in/yr or 362.7 mm/yr).

EXTREMES.--Current year: Maximum discharge, 430 ft³/s (12.2 m³/s) Feb. 26 (gage height, 5.10 ft or 1.554 m); minimum, 6.0 ft³/s (0.17 m³/s) Aug. 24 (gage height, 1.56 ft or 0.475 m).

Period of record: Maximum discharge, 2,260 ft³/s (64.0 m³/s) June 23, 1972 (gage height, 9.82 ft or 2.993 m); minimum, 0.1 ft³/s (0.003 m³/s) Oct. 6, 1954 (gage height, 1.30 ft or 0.396 m), result of regulation from unknown cause.

REMARKS.--Records good except those for winter periods, which are fair.

REVISIONS.--WRD N.Y. 1969: Drainage area. WRD N.Y. 1972: 1970, 1971.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	8.6	38	50	132	206	76	58	46	41	11	53
2	15	8.6	35	46	110	163	86	66	46	35	9.7	39
3	20	8.4	34	42	90	130	94	75	49	39	8.9	31
4	18	16	33	50	70	100	77	88	46	45	10	23
5	14	40	33	45	56	80	62	124	58	40	13	18
6	13	45	35	35	45	64	81	166	99	33	12	16
7	13	41	38	27	36	74	87	224	125	28	18	14
8	12	33	55	35	31	80	90	240	123	25	13	14
9	12	28	87	50	28	83	96	212	118	23	13	11
10	14	25	102	70	25	79	95	174	106	20	12	14
11	12	23	90	179	27	76	91	143	92	24	12	11
12	11	26	76	261	27	73	91	123	91	21	12	40
13	11	35	64	280	28	80	89	109	87	21	11	42
14	11	32	58	258	28	79	85	98	80	24	11	39
15	14	28	62	209	35	73	85	89	73	29	9.7	29
16	16	25	70	166	40	70	91	91	92	26	9.4	20
17	14	23	75	141	44	70	97	91	100	21	12	20
18	11	23	72	126	51	74	103	81	87	18	11	20
19	10	21	67	100	57	107	111	72	101	17	8.6	24
20	9.7	45	61	90	50	182	117	64	120	19	8.4	23
21	9.4	76	54	60	40	221	116	61	126	19	8.3	19
22	9.4	86	50	66	50	222	105	57	107	17	8.4	16
23	10	79	51	66	84	170	92	52	91	14	8.3	15
24	9.4	77	54	66	230	160	91	46	82	14	23	17
25	9.4	82	57	72	372	170	91	41	76	18	44	97
26	9.7	80	55	74	423	169	84	39	67	15	55	324
27	9.4	71	53	56	370	151	76	46	58	19	54	313
28	9.4	60	52	50	273	130	69	48	56	27	42	290
29	8.6	54	51	64	---	100	65	40	53	21	30	233
30	8.6	45	51	131	---	94	60	37	46	15	46	171
31	8.6	---	49	156	---	84	---	36	---	13	59	---
TOTAL	365.6	1244.6	1762	3121	2852	3614	2653	2891	2501	741	603.7	1996
MEAN	11.8	41.5	56.8	101	102	117	88.4	93.3	83.4	23.9	19.5	66.5
MAX	20	86	102	280	423	222	117	240	126	45	59	324
MIN	8.6	8.4	33	27	25	64	60	36	46	13	8.3	11
CFSM	.23	.80	1.09	1.93	1.95	2.24	1.69	1.79	1.60	.46	.37	1.27
IN.	.26	.89	1.26	2.22	2.03	2.58	1.89	2.06	1.78	.53	.43	1.42
CAL YR 1974	TOTAL	16925.3	MEAN 46.4	MAX 200	MIN 6.9	CFSM .89	IN 12.06					
WTR YR 1975	TOTAL	24344.9	MEAN 66.7	MAX 423	MIN 8.3	CFSM 1.28	IN 17.35					

PEAK DISCHARGE (BASE, 300 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
2-26	0700	5.10	430	9-26	1500	4.73	348

SUSQUEHANNA RIVER BASIN

01528000 FIVEMILE CREEK NEAR KANONA, N.Y.

LOCATION.--Lat 42°23'18", long 77°21'29", Steuben County, on left bank just downstream from town of Wheeler highway bridge, 1.3 mi (2.1 km) upstream from mouth and Kanona.

DRAINAGE AREA.--66.8 mi² (173 km²).

PERIOD OF RECORD.--February 1937 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,170.30 ft (356.707 m) above mean sea level (Levels by Corps of Engineers). Prior to Oct. 1, 1973 at datum 1.00 ft (0.305 m) higher.

AVERAGE DISCHARGE.--38 years, 73.2 ft³/s (2.073 m³/s) (14.88 in/yr or 378.0 mm/yr).

EXTREMES.--Current year: Maximum discharge, 4,390 ft³/s (124 m³/s) Sept. 26 (gage height, 6.72 ft or 2.048 m); minimum, 2.8 ft³/s (0.079 m³/s) Aug. 22-24 (gage height, 0.90 ft or 0.274 m).

Period of record: Maximum discharge, 5,110 ft³/s (145 m³/s) June 23, 1972 (gage height, 6.95 ft or 2.118 m present datum); maximum gage height, 7.10 ft (2.164 m) present datum, Mar. 31, 1940 (ice jam); minimum discharge, 0.04 ft³/s (0.001 m³/s) Sept. 27, 29, 1941; minimum gage height, 0.72 ft (0.219 m) present datum, Sept. 4, 1973 (result of channel improvement).

REMARKS.--Records fair. Water-quality records for the current year are published in Section 2 of this report.

REVISIONS.--WRD N.Y. 1969: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	6.6	5.9	32	60	90	96	80	48	26	21	5.9	17
3	7.7	5.6	30	52	66	86	77	87	23	19	5.0	13
4	9.6	5.6	29	62	56	68	109	81	28	22	5.0	10
5	10	9.1	28	52	60	58	106	166	56	23	5.6	9.1
6	9.1	122	28	48	50	58	82	560	82	18	5.3	8.1
7	7.7	120	30	40	44	58	83	579	226	16	6.2	8.1
8	6.9	59	36	55	40	62	77	954	131	14	6.6	7.3
9	6.2	45	141	46	40	96	74	443	86	14	5.6	6.6
10	6.2	37	427	106	40	50	80	172	66	13	4.8	6.2
11	5.9	31	181	221	40	40	100	112	49	12	4.8	5.9
12	5.9	28	100	823	38	40	90	90	38	14	4.8	5.9
13	5.6	34	83	1080	36	52	88	80	143	13	4.5	412
14	5.3	78	86	502	35	87	84	103	260	14	4.5	150
15	5.3	59	85	140	35	72	80	86	99	14	4.0	54
16	5.9	45	78	80	35	50	80	72	72	12	3.8	38
17	6.2	36	83	50	37	46	78	96	408	13	4.2	29
18	6.6	31	77	46	40	56	76	75	162	14	4.0	26
19	6.2	28	83	44	47	100	76	63	81	11	3.5	25
20	6.2	26	68	40	68	369	90	57	244	9.6	3.3	39
21	6.6	122	58	36	62	794	83	52	202	11	3.1	34
22	6.6	325	56	34	53	497	73	48	85	11	3.0	27
23	5.9	156	52	34	73	229	61	44	60	9.1	3.0	22
24	6.9	85	50	36	274	234	53	40	49	7.7	2.8	19
25	5.9	99	60	40	1030	204	62	36	46	8.1	6.2	22
26	5.9	111	68	46	1250	269	71	32	42	10	16	565
27	5.9	81	60	66	674	185	60	31	34	8.1	15	2840
28	5.9	64	56	55	219	80	52	31	31	7.3	49	1960
29	5.6	54	50	46	120	70	47	26	28	17	23	922
30	5.9	38	50	266	---	84	44	22	26	9.6	15	315
31	5.9	34	59	510	---	92	41	22	23	7.3	21	168
	5.9	---	50	194	---	81	---	22	---	6.6	21	---
TOTAL	202.0	1974.2	2374	4910	4652	4363	2257	4330	2906	399.4	269.5	7764.2
MEAN	6.52	65.8	76.6	158	166	141	75.2	140	96.9	12.9	8.69	259
MAX	10	325	427	1080	1250	794	109	954	408	23	49	2840
MIN	5.3	5.6	28	34	35	40	41	22	23	6.6	2.8	5.9
CFSM	.10	.99	1.15	2.37	2.49	2.11	1.13	2.10	1.45	.19	.13	3.88
IN.	.11	1.10	1.32	2.73	2.59	2.43	1.26	2.41	1.62	.22	.15	4.32
CAL YR 1974	TOTAL	23062.0	MEAN	63.2	MAX	818	MIN	3.4	CFSM	.95	IN	12.84
WTR YR 1975	TOTAL	36401.3	MEAN	99.7	MAX	2840	MIN	2.8	CFSM	1.49	IN	20.27

PEAK DISCHARGE (BASE, 880 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-11							
2-25	1900	4.76	1,290	5-07	0630	4.42	1,030
	0200	4.89	1,400	9-26	0400	6.72	4,390

SUSQUEHANNA RIVER BASIN

01528700 DIVERSION FROM WANETA LAKE TO KEUKA LAKE AT KEUKA, N.Y.

LOCATION.--Lat 42°29'06", long 77°06'39", Steuben County, at entrance to conduit on Diversion Canal, 0.8 mi (1.3 km) west of Keuka and 1.0 mi (1.6 km) north of Wayne.

DRAINAGE AREA.--45.5 mi² (118 km²).

PERIOD OF RECORD.--October 1966 to current year.

GAGE.--Daily power generation records.

AVERAGE DISCHARGE.--9 years, 23.5 ft³/s (0.666 m³/s).

EXTREMES.--Current year: Maximum discharge, 71 ft³/s (2.01 m³/s) Mar. 3-6; no flow for many days.

Period of record: Maximum discharge, 73 ft³/s (2.07 m³/s) June 23, 1972; no flow for many days each year.

REMARKS.--Records for period January 1951 to September 1966 on file. Sketch indicates diversion from Lamoka-Waneta Lakes (Susquehanna River Basin) to Keuka Lake (Oswego River Basin).

COOPERATION.--Records furnished by New York State Electric and Gas Corporation.

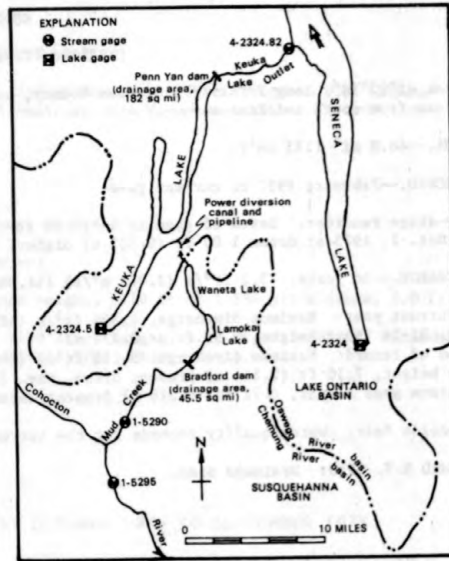


Figure 8.--Gaging stations and transbasin diversions, Cohocton River-Keuka Lake area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				0	68	69	66	0				0
2				0	68	69	66	0				0
3				0	68	71	66	0				0
4				0	68	71	66	0				0
5				0	68	71	66	0				0
6				0	68	71	66	0				0
7				0	69	69	66	33				0
8				0	69	69	66	59				0
9				0	69	69	66	58				0
10				0	69	63	66	58				0
11				0	69	63	55	58				0
12				0	69	65	55	58				0
13				0	68	65	55	38				0
14				0	42	65	58	19				0
15				0	42	65	58	31				0
16				0	42	65	55	60				0
17				0	42	65	55	56				0
18				0	48	65	55	0				0
19				0	48	65	0	0				0
20				0	48	65	0	0				0
21				0	48	68	25	0				0
22				0	48	68	48	0				24
23				0	48	68	23	0				0
24				33	58	68	0	0				38
25				68	69	68	0	0				60
26				68	69	69	0	0				68
27				68	69	69	0	0				68
28				68	69	69	0	0				68
29				68	-----	69	17	0				68
30				68	-----	69	0	0				68
31		-----		68	-----	69	-----	0	-----			-----
TOTAL	0	0	0	509	1,680	2,094	1,219	528	0	0	0	462
MEAN	0	0	0	16.4	60.0	67.5	40.6	17.0	0	0	0	15.4
MAX	0	0	0	68	69	71	66	60	0	0	0	68
MIN	0	0	0	0	42	63	0	0	0	0	0	0
CAL YR 1974	TOTAL 5,981.00		MEAN 16.4	MAX 55	MIN 0							
WTR YR 1975	TOTAL 6,492.00		MEAN 17.8	MAX 71	MIN 0							

SUSQUEHANNA RIVER BASIN

01529000 MUD CREEK NEAR SAVONA, N.Y.

LOCATION.--Lat 42°18'30", long 77°11'50", Steuben County, on left bank just upstream from small tributary entering from east, 2.4 mi (3.9 km) upstream from Savona and 3.3 mi (5.3 km) upstream from mouth.

DRAINAGE AREA.--76.6 mi² (198 km²).

PERIOD OF RECORD.--July 1918 to December 1919 (published as "at Savona"), March 1937 to current year. Monthly records of diversion from Waneta Lake for the period January 1951 to September 1966 available in files of Geological Survey.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 1,049.63 ft (319.927 m) above mean sea level (levels by Corps of Engineers). Prior to December 1919, nonrecording gage at site 1.5 mi (2.4 km) downstream at different datum.

AVERAGE DISCHARGE.--38 years (1937-75), 41.1 ft³/s (1.16 m³/s) unadjusted.

EXTREMES.--Current year: Maximum discharge, 842 ft³/s (23.8 m³/s) Sept. 27 (gage height, 4.93 ft or 1.503 m); minimum, 2.5 ft³/s (0.071 m³/s) Oct. 4, 13, 19, 20 (gage height, 0.69 ft or 0.210 m).
 Period of record: Maximum discharge, 6,100 ft³/s (173 m³/s) June 23, 1972 (gage height, 8.66 ft or 2.640 m), from rating extended above 1,350 ft³/s (38.2 m³/s) on basis of slope-area measurement of peak flow; minimum, 0.04 ft³/s (0.001 m³/s) Sept. 21, 22, 23, 1941 (gage height, 0.53 ft or 0.162 m).

REMARKS.--Records good except those for winter periods, which are fair. Flow regulated by Lake Samoka-Waneta System. Diversion table for station 01528700 represents discharge from 45.5 mi² (118 km²) of drainage area from the Susquehanna River basin to the St. Lawrence River basin through the Keuka power diversion canal of New York State Electric and Gas Corp.

COOPERATION.--Records of diversion furnished by New York State Electric and Gas Corp.

REVISIONS.--WRD N.Y. 1969: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	3.0	3.0	7.4	64	22	116	31	22	89	6.2	4.5	6.2
3	3.2	3.2	7.2	55	14	40	30	36	84	5.5	4.5	5.2
4	3.0	3.4	7.0	85	10	28	43	30	33	8.3	4.5	4.5
5	2.8	4.2	6.8	25	6.0	28	46	41	20	13	4.5	5.2
	2.8	9.2	6.8	18	6.0	24	34	93	30	8.3	4.5	3.4
6												
7	3.0	12	20	17	7.0	27	34	123	158	6.2	4.5	3.4
8	2.8	9.2	57	16	6.0	28	32	275	269	5.5	6.2	3.4
9	3.0	7.8	89	12	5.0	40	32	146	262	5.2	5.9	3.2
10	2.8	5.9	157	34	4.0	26	42	74	222	4.8	7.8	3.2
	2.8	5.2	152	95	3.0	26	42	51	85	5.2	4.5	3.2
11												
12	3.0	4.5	132	223	3.0	20	37	41	22	5.5	4.2	3.2
13	3.0	4.8	115	373	4.0	22	32	37	22	5.9	5.5	12
14	2.8	13	104	298	4.0	32	29	54	31	12	5.2	18
15	2.8	12	89	270	4.0	27	27	61	22	11	4.0	10
	3.0	8.3	77	220	7.0	25	26	43	18	7.8	3.7	7.0
16												
17	3.0	6.2	77	180	9.6	23	25	50	38	6.6	3.7	5.5
18	3.2	5.5	104	100	10	28	24	40	31	5.5	4.0	4.8
19	2.8	5.2	112	40	17	42	23	33	20	5.2	3.7	4.5
20	2.8	4.8	105	28	33	79	23	30	17	4.8	3.2	4.8
	2.8	7.8	98	20	26	176	32	26	21	4.5	3.2	4.8
21												
22	3.0	24	92	17	18	126	24	24	16	4.5	3.0	4.2
23	2.8	19	88	19	21	78	19	22	12	4.5	3.0	4.2
24	3.0	12	84	20	66	72	18	19	11	4.0	3.0	4.0
25	3.0	11	85	21	292	61	19	17	10	5.9	4.5	5.2
	3.2	14	88	26	446	69	22	14	12	15	6.6	42
26												
27	3.0	13	86	38	315	60	20	18	11	8.3	5.5	520
28	3.0	11	84	22	242	36	18	59	9.2	5.5	4.8	739
29	3.2	9.2	83	14	193	32	16	81	8.7	13	4.5	566
30	3.0	8.6	81	30	---	35	14	88	7.8	10	4.0	332
31	3.0	8.0	81	58	---	37	14	88	7.0	6.2	7.4	57
	3.2	---	81	33	---	34	---	88	---	5.2	9.7	---
TOTAL												
MEAN	91.8	265.0	2456.2	2471	1793.6	1497	828	1824	1598.7	219.1	147.8	2389.1
MAX	2.96	8.83	79.2	79.7	64.1	48.3	27.6	58.8	53.3	7.07	4.77	79.6
MIN	3.2	24	157	373	446	176	46	275	269	15	9.7	739
	2.8	3.0	6.8	12	3.0	20	14	14	7.0	4.0	3.0	3.2
CAL YR 1974	TOTAL	12934.7	MEAN	35.4	MAX	288	MIN	2.0				
WTR YR 1975	TOTAL	15581.3	MEAN	42.7	MAX	739	MIN	2.8				

PEAK DISCHARGE (BASE, 500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
2-25	0415	3.95	505	9-27	0015	4.93	842

01529500 COHOCTON RIVER NEAR CAMPBELL, N.Y.

LOCATION.--Lat 42°15'10", long 77°13'00", Steuben County, on left bank just downstream from bridge on town road at junction with County Highway 125, 1.9 mi (3.1 km) upstream from Michigan Creek and 2 mi (3 km) north of Campbell.

DRAINAGE AREA.--470 mi² (1,217 km²).

PERIOD OF RECORD.--July 1918 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,016.34 ft (309.780 m) above mean sea level. Prior to Mar. 5, 1937, nonrecording gage on highway bridge.

AVERAGE DISCHARGE.--57 years, 444 ft³/s (12.57 m³/s).

EXTREMES.--Current year: Maximum discharge, 22,700 ft³/s (643 m³/s) Sept. 26 (gage height, 10.33 ft or 3.149 m); minimum, 51 ft³/s (1.44 m³/s) Aug. 21 (gage height, 0.28 ft or 0.085 m).

Period of record: Maximum discharge, 41,100 ft³/s (1,160 m³/s) July 8, 1935 (gage height, 11.6 ft or 3.54 m), from floodmark from rating curve extended above 24,200 ft³/s (685 m³/s) on basis of velocity-area and slope-area measurements of peak flow; minimum, 8 ft³/s (0.23 m³/s) Sept. 6, 7, 1934.

REMARKS.--Records fair. During each year since 1927, a large part of flow from 45.5 mi² (118 km²) of drainage area upstream from Lake Lamoka on Mud Creek, a tributary upstream from this station, is diverted into Keuka Lake (Oswego River basin), for power development. For table of diversion, see station 01528700.

REVISIONS (WATER YEARS).--WSP 891: 1935. WSP 1302: 1919-20(M), 1927-28(M), 1928-38 (Monthly runoff). WRD N.Y. 1969: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	81	64	214	350	631	1120	582	348	257	125	77	166
2	83	63	190	300	490	797	541	479	221	113	72	150
3	94	63	190	320	430	662	662	457	205	120	70	132
4	94	79	180	300	380	565	675	631	299	147	69	115
5	88	339	180	260	320	547	547	1730	358	120	74	104
6	83	410	210	230	280	490	565	2300	1280	106	88	102
7	79	261	250	250	260	474	536	3590	948	96	106	94
8	76	211	507	240	240	606	524	1970	762	88	96	86
9	74	183	1390	436	220	450	606	1120	649	86	86	81
10	74	163	840	819	200	380	660	748	452	83	81	77
11	72	150	662	3030	190	350	600	594	304	96	76	79
12	70	152	580	3750	180	381	560	513	468	90	70	1220
13	70	269	540	2220	180	518	540	797	885	96	70	637
14	70	242	480	1420	190	485	520	681	474	90	69	376
15	74	198	440	1060	200	410	500	490	386	94	64	269
16	81	174	480	940	210	391	490	643	1170	88	72	221
17	79	160	553	660	230	431	480	463	637	88	77	201
18	74	152	520	500	291	618	500	386	415	76	70	186
19	70	145	460	450	410	1580	540	348	485	72	61	245
20	66	218	430	400	372	3130	600	299	649	74	57	214
21	66	776	380	300	308	2110	547	278	410	74	55	189
22	67	536	370	310	367	1470	474	261	326	66	55	163
23	67	381	350	330	1040	1320	431	221	265	61	55	150
24	69	400	400	340	4230	1160	447	192	245	64	86	169
25	69	436	441	348	5030	1350	496	180	257	96	145	1500
26	69	381	426	474	3000	1130	436	166	201	74	123	13600
27	67	313	400	367	1880	811	386	253	177	60	353	5820
28	66	291	370	313	1370	714	358	211	169	177	157	3090
29	64	265	360	811	---	708	339	198	155	132	125	1790
30	63	238	380	1540	---	694	321	186	140	98	235	1010
31	64	---	370	848	---	612	---	192	---	85	201	---
TOTAL	2283	7713	13543	23916	23129	26464	15463	20925	13649	2935	3095	32236
MEAN	73.6	257	437	771	826	854	515	675	455	94.7	99.8	1075
MAX	94	776	1390	3750	5030	3130	675	3590	1280	177	353	13600
MIN	63	63	180	230	180	350	321	166	140	60	55	77
CAL YR 1974	TOTAL	139078	MEAN 381	MAX 2800	MIN 42							
WTR YR 1975	TOTAL	185351	MEAN 508	MAX 13600	MIN 55							

PEAK DISCHARGE (BASE, 4,200 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-11	2130	5.70	5,140	5-06	2300	5.50	4,820
2-24	2100	6.12	5,880	9-26	0800	10.33	22,700

SUSQUEHANNA RIVER BASIN

01529950 CHEMUNG RIVER AT CORNING, N.Y.

LOCATION.--Lat 42°08'47", long 77°03'28", Steuben County, on right bank adjacent to Corning Glass Works power plant, 0.2 mi (0.3 km) upstream from bridge on State Highway 414 (Centerway) at Corning, and 1.7 mi (2.7 km) downstream from Cohocton River.

DRAINAGE AREA.--2,006 mi² (5,196 km²).

PERIOD OF RECORD.--October 1974 to September 1975. Occasional discharge measurements, water years 1941, 1968-69.

GAGE.--Water-stage recorder. Datum of gage is 900.00 ft (274.320 m) above mean sea level.

EXTREMES.--Current year: Maximum discharge, 127,000 ft³/s (3,600 m³/s) Sept. 26 (gage height, 32.46 ft or 9.894 m); minimum 211 ft³/s (5.98 m³/s) Aug. 22-24 (gage height, 14.75 ft or 4.496 m).

Flood of June 23, 1972, reached a stage of 40.71 ft (12.408 m), from floodmark (discharge, 228,000 ft³/s or 6,460 m³/s) from peak flows determined at upstream and downstream stations adjusted for drainage area and channel storage.

REMARKS.--Records good. High flows slightly regulated by upstream reservoirs. During each year a large part of flow from 45.5 mi² (118 km²) of drainage area is diverted from Mud Creek, an upstream tributary, into Keuka Lake (Oswego River basin) for power development. For table of diversion, see station 01528700.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	370	230	900	1600	3030	4720	2280	1040	1100	669	405	709
3	360	220	900	1400	2260	3000	2100	1400	1090	608	376	567
4	380	250	880	1200	1870	2500	3460	1550	986	584	354	475
5	360	426	820	1400	1550	2100	4060	1790	1180	924	344	416
6	340	1130	760	1100	1470	2000	2820	7350	3340	774	348	368
7	310	2510	860	1000	1300	1900	2670	9720	18000	641	377	349
8	300	1510	1020	1200	1200	1900	2450	17500	9910	583	426	372
9	270	1140	4980	1100	1000	2300	2290	8330	5050	605	451	347
10	260	980	11700	1880	900	1800	2600	5430	3640	538	380	333
	260	868	4940	3900	760	1500	2520	3660	2670	612	331	344
11												
12	260	803	3300	16200	720	1400	2380	2950	1990	568	308	290
13	250	787	2800	17700	740	1300	2200	2520	2240	608	299	1420
14	240	1790	2640	8250	800	1700	1960	2970	3240	2280	276	2810
15	260	1490	2500	5000	860	1800	1760	3230	2180	1030	268	1310
	260	1130	2360	3270	900	1400	1730	2430	1760	1630	265	882
16												
17	280	1000	2250	2700	940	1400	1710	3340	4620	910	319	717
18	340	905	3080	2200	1000	1600	1690	2780	3700	741	332	628
19	340	851	2750	1900	1420	3100	1620	2220	2150	651	319	577
20	300	813	2250	1700	3110	7000	1710	2000	1670	571	272	634
	280	857	2100	1500	2400	15600	1830	1750	2150	940	245	703
21												
22	270	3000	1730	1300	1660	11100	1650	1540	1560	1010	231	608
23	260	2500	1750	1300	1860	6190	1420	1550	1220	677	219	556
24	260	1710	1490	1400	5670	5550	1280	1680	1060	547	211	516
25	260	1570	1710	1400	28500	4570	1250	1510	1050	615	241	948
	250	1860	2400	1500	30900	5560	1480	2680	1050	1940	309	12000
26												
27	250	1920	2720	2400	14300	4730	1350	1950	928	955	320	87100
28	250	1320	2100	1700	8540	3190	1200	1930	842	657	495	29500
29	250	1300	1970	1500	5890	2770	1110	1580	831	710	499	11000
30	250	1220	1790	2950	---	2740	1060	1200	779	648	359	6320
31	240	1120	1790	10700	---	2820	1020	1060	719	521	758	4270
	240	---	1930	4270	---	2480	---	1050	---	447	1330	---
TOTAL												
MEAN	8800	37210	75170	106620	125550	111620	58660	101690	82705	25194	11667	167069
MAX	284	1240	2425	3439	4484	3601	1955	3280	2757	813	376	5569
MIN	380	3000	11700	17700	30900	15600	4060	17500	18000	2280	1330	87100
	240	220	760	1000	720	1300	1020	1040	719	447	211	290
WTR YR 1975	TOTAL	911955	MEAN	2499	MAX	87100	MIN	211				

PEAK DISCHARGE (BASE, 24,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-11							
2-24	2100	23.10	31,000	5-07	0200	22.53	27,100
	2300	24.72	43,800	9-26	1400	32.46	127,000

SUSQUEHANNA RIVER BASIN

01530500 NEWTOWN CREEK AT ELMIRA, N.Y.

LOCATION.--Lat 42°06'11", long 76°47'54", Chemung County, on left bank 200 ft (61 m) downstream from bridge on Linden Place in Elmira, and 1.5 mi (2.4 km) upstream from mouth.

DRAINAGE AREA.--77.5 mi² (201 km²).

PERIOD OF RECORD.--May 1938 to current year.

GAGE.--Water-stage recorder. Datum of gage is 838.35 ft (255.529 m) above mean sea level.

AVERAGE DISCHARGE.--37 years, 86.9 ft³/s (2.461 m³/s) (15.23 in/yr or 386.8 mm/yr).

EXTREMES.--Current year: Maximum discharge, 3,950 ft³/s (112 m³/s) Sept. 26 (gage height, 17.25 ft or 5.258 m); minimum daily, 9.6 ft³/s (0.27 m³/s) Aug. 23; minimum gage height, 4.75 ft (1.448 m) Feb. 10.

Period of record: Maximum discharge, about 4,000 ft³/s (113 m³/s) June 23, 1972; maximum gage height, 19.28 ft (5.877 m) June 23, 1972, from floodmarks (backwater from Chemung River); minimum daily discharge, 5.0 ft³/s (0.14 m³/s) Aug. 22, Sept. 19, 1965.

REMARKS.--Records poor. Diurnal fluctuation at low flow caused by operations of sand and gravel plant and waste-water treatment plant upstream. Water-quality records for the current year are published in Section 2 of this report.

REVISIONS (WATER YEARS).--WSP 1502: 1956. WRD N.Y. 1969: Drainage area. WRD N.Y. 1974: 1973.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	56	30	48	55	62	156	77	52	38	18	27	22
2	56	29	51	49	46	110	69	72	37	24	17	20
3	56	27	53	42	40	87	318	56	37	37	15	30
4	54	33	45	49	32	72	186	204	36	37	18	20
5	48	89	37	43	30	68	126	428	70	35	22	17
6	44	116	38	36	30	63	118	604	256	34	21	17
7	42	60	34	43	28	62	101	670	121	36	21	12
8	41	47	659	40	26	73	95	288	63	37	18	13
9	40	39	422	202	24	53	110	186	48	47	15	30
10	27	35	194	232	22	50	115	131	34	40	12	20
11	27	33	131	972	26	51	99	102	30	34	15	15
12	25	59	113	492	26	49	78	89	37	32	18	156
13	27	426	108	266	26	66	67	96	33	35	17	113
14	29	121	99	170	26	64	60	77	27	32	13	58
15	35	82	85	124	26	55	58	66	23	32	12	40
16	40	62	95	99	26	51	57	99	27	31	22	33
17	44	52	134	72	30	75	51	69	26	33	21	31
18	41	47	116	60	121	112	48	57	22	33	15	32
19	35	42	85	69	174	252	46	54	22	35	13	45
20	31	159	72	48	105	513	43	49	24	80	11	37
21	33	240	62	38	77	277	40	44	19	38	11	38
22	34	128	58	40	113	196	37	44	23	29	11	32
23	35	84	52	40	453	180	36	41	47	26	9.6	32
24	37	107	56	40	1570	161	39	38	35	43	23	107
25	34	134	67	50	1240	178	44	35	24	89	22	850
26	32	104	63	108	489	134	38	33	23	36	17	3030
27	29	77	56	58	277	94	36	44	25	29	20	1290
28	30	68	53	46	188	84	34	37	22	34	17	428
29	32	62	50	159	---	89	34	34	18	30	18	232
30	31	54	53	176	---	95	33	34	19	27	72	159
31	31	---	53	85	---	81	---	32	---	24	36	---
TOTAL	1156	2646	3242	4003	5333	3651	2293	3865	1266	1127	599.6	6959
MEAN	37.3	88.2	105	129	190	118	76.4	125	42.2	36.4	19.3	232
MAX	56	426	659	972	1570	513	318	670	256	89	72	3030
MIN	25	27	34	36	22	49	33	32	18	18	9.6	12
CFSM	.48	1.14	1.35	1.66	2.45	1.52	.99	1.61	.54	.47	.25	2.99
IN.	.55	1.27	1.56	1.92	2.56	1.75	1.10	1.86	.61	.54	.29	3.34
CAL YR 1974	TOTAL	29666.6	MEAN 81.3	MAX 960	MIN 7.7	CFSM 1.05	IN 14.24					
WTR YR 1975	TOTAL	36140.6	MEAN 99.0	MAX 3030	MIN 9.6	CFSM 1.28	IN 17.35					

PEAK DISCHARGE (BASE, 1,200 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-08	1515	10.13	1,240	5-06	2200	11.36	1,610
1-11	1715	10.97	1,490	9-26	1430	17.25	3,950
2-24	1815	13.73	2,360				

01531000 CHEMUNG RIVER AT CHEMUNG, N.Y.

LOCATION.--Lat 42°00'08", long 76°38'06", Chemung County, on right bank 100 ft (30 m) upstream from bridge on State Highway 427, 0.7 mi (1.1 km) southwest of Chemung, and 12.2 mi (19.6 km) upstream from mouth.

DRAINAGE AREA.--2,506 mi² (6,491 km²).

PERIOD OF RECORD.--September 1903 to current year (gage heights only for some winter periods).

GAGE.--Water-stage recorder. Datum of gage is 778.63 ft (237.326 m) above mean sea level (levels by Corps of Engineers). Prior to Jan. 10, 1930, nonrecording gage on highway bridge 60 ft (18 m) upstream at same datum.

AVERAGE DISCHARGE.--69 years (1905-13, 1914-75), 2,505 ft³/s (70.94 m³/s) (13.57 in/yr or 344.7 mm/yr).

EXTREMES.--Current year: Maximum discharge, 125,000 ft³/s (3,540 m³/s) Sept. 27 (gage height, 24.10 ft or 7.346 m); minimum, 280 ft³/s (7.93 m³/s) Nov. 3 (gage height, 3.81 ft or 1.161 m).
 Period of record: Maximum discharge, 189,000 ft³/s (5,350 m³/s) June 23, 1972 (gage height, 31.62 ft or 9.638 m, from high-water mark), from rating curve extended above 65,000 ft³/s (1,840 m³/s) on basis of slope-area and velocity-area studies at gage height 19.57 ft (5.965 m) and slope-area and contracted opening measurements at gage heights 23.97 and 31.62 ft (9.638 m); minimum, 49 ft³/s (1.39 m³/s) Aug. 14, 1911 (gage height, 1.47 ft or 0.448 m).

REMARKS.--Records fair. High flows slightly regulated by upstream reservoirs. During each year a large part of flow from 45.5 mi² (118 km²) of drainage area is diverted from Mud Creek, an upstream tributary, into Keuka Lake (Oswego River basin) for power development. For table of diversion, see station 01528700. Water quality records published in Section 2 of this report.

REVISIONS (WATER YEARS).--WSP 891: 1935-39. WSP 1432: 1904, 1907, 1915. WRD N.Y. 1969: Drainage area. WRD N.Y. 1974: 1973.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	456	300	1210	1900	4250	6560	3180	1410	1410	814	500	1480
3	479	293	1170	1700	3220	4830	2950	1950	1550	730	460	966
4	456	280	1190	1500	2590	4610	3750	2290	1340	670	450	814
5	471	314	1090	1700	2160	3330	6220	2730	1370	790	430	670
6	456	440	857	1300	1870	2930	4300	8730	1800	1210	440	570
7	419	2100	928	1200	1700	2850	3920	10300	16400	838	470	525
8	391	2080	1000	1400	1500	2650	3600	24600	15700	682	520	489
9	370	1430	3410	1640	1300	2830	3330	12100	7090	660	560	516
10	349	1160	15100	2240	1200	2670	3620	7650	5240	640	470	630
11	328	960	7370	5260	1100	2150	3570	5550	3970	754	420	534
12	321	845	4810	10800	900	2090	3380	4400	2950	694	380	498
13	321	814	3870	26000	900	1980	3110	3770	2750	640	360	778
14	314	1930	3530	12200	940	2060	2830	3820	4060	2570	340	4300
15	293	2280	3330	7370	960	2550	2550	4450	3310	2150	330	2690
16	328	1570	3200	5160	1000	2160	2370	3550	2530	2270	340	1700
17	328	1260	3010	4300	1100	2020	2310	4040	3220	1200	480	1230
18	356	1090	3870	3600	1100	2090	2270	4160	5990	900	448	980
19	419	965	3850	2930	1530	3050	2200	3200	3180	820	416	862
20	419	892	3200	2810	3800	4060	2200	2850	2390	720	352	874
21	377	948	2790	2710	3660	19300	2310	2530	2610	1100	306	1010
22	349	2410	2510	2000	2510	12700	2250	2240	2390	1200	292	994
23	335	3500	2270	1700	2610	7740	2020	2110	1860	840	278	826
24	328	2350	2090	1700	6360	6750	1800	2130	1570	700	328	766
25	321	1900	2130	1800	29800	5990	1700	2220	1410	760	360	1190
26	321	2150	2630	1870	42700	6730	1860	2850	1480	2100	416	9450
27	314	2370	3770	2650	19800	6390	1930	3030	1260	1200	432	64300
28	314	1910	2850	2990	11500	4780	1710	2470	1150	820	560	82300
29	314	1570	2650	2110	7890	3890	1530	2470	1070	880	780	18900
30	314	1550	2410	2410	---	3680	1410	1860	1020	800	580	9870
31	307	1400	2310	11000	---	3850	1350	1530	910	640	706	6700
TOTAL	300	---	2490	6120	---	3620	---	1410	---	560	2040	---
MEAN	11168	43061	96895	134070	159950	142890	81530	138400	102980	31352	15244	217412
MAX	360	1435	3126	4325	5713	4609	2718	4465	3433	1011	492	7247
MIN	479	3500	15100	26000	42700	19300	6220	24600	16400	2570	2040	82300
CFSM	293	280	857	1200	900	1980	1350	1410	910	560	278	489
IN.	.14	.57	1.25	1.73	2.28	1.84	1.08	1.78	1.37	.40	.20	2.89
	.17	.64	1.44	1.99	2.37	2.12	1.21	2.05	1.53	.47	.23	3.23
CAL YR 1974	TOTAL	904228	MEAN	2477	MAX	23600	MIN	196	CFSM	.99	IN	13.42
WTR YR 1975	TOTAL	1174952	MEAN	3219	MAX	82300	MIN	278	CFSM	1.28	IN	17.44

PEAK DISCHARGE (BASE, 30,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-12	0600	13.74	32,500	5-07	1100	13.31	30,400
2-26	0500	17.00	52,000	9-27	0200	24.10	125,000

SUSQUEHANNA RIVER BASIN

LAKES AND RESERVOIRS IN SUSQUEHANNA RIVER BASIN

- 01496450 Canadarago Lake at Schuyler Lake, N.Y. (see station for daily mean gage heights).
- 01499500 East Sidney Lake at East Sidney, N.Y. (see station for daily mean elevations and monthly change in contents).
- 01511000 Whitney Point Lake at Whitney Point, N.Y. (see station for daily mean elevation and monthly change in contents).
- 01521000 Arkport Reservoir near Arkport, N.Y. (see station for daily mean elevation and monthly change in contents).
- 01523000 Almond Lake near Almond, N.Y. (see station for daily mean elevation and monthly change in contents).

Diversion of water affecting the Susquehanna River basin

- 01528700 Diversion from Waneta Lake to Keuka Lake at Keuka, N.Y. (see station for daily discharges, furnished by New York State Electric and Gas Corp., and sketch of the transbasin diversion).

[The following table contains extremely faint and illegible data, likely a hydrological record or discharge log. The text is too light to transcribe accurately.]

03011020 ALLEGHENY RIVER AT SALAMANCA, N.Y.

LOCATION.--Lat 42°09'23", long 78°42'56", Cattaraugus County, on left bank 230 ft (70 m) upstream from Main Street bridge in Salamanca, 1.3 mi (2.1 km) downstream from Great Valley Creek, and 1.6 mi (2.6 km) upstream from Little Valley Creek.

DRAINAGE AREA.--1,608 mi² (4,165 km²).

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."

GAGE.--Water-stage recorder. Datum of gage is 1,358.00 ft (413.918 m) above mean sea level (Corps of Engineers bench mark). Prior to Sept. 3, 1917, nonrecording gage and Sept. 4, 1917 to Sept. 30, 1964, water-stage recorder at site 7.5 mi (12.1 km) downstream at different datum. Oct. 1, 1964 to Sept. 30, 1967, at present site at datum 0.04 ft (0.012 m) lower.

AVERAGE DISCHARGE.--72 years, 2,772 ft³/s (78.50 m³/s) (23.41 in/yr or 594.6 mm/yr).

EXTREMES.--Current year: Maximum discharge, 26,000 ft³/s (736 m³/s) Feb. 25 (gage height, 12.77 ft or 3.892 m); minimum, 108 ft³/s (5.10 m³/s) Aug. 20-21 (gage height, 2.98 ft or 0.908 m).

Period of record: Maximum discharge, 73,000 ft³/s (2,070 m³/s) June 23, 1972 (gage height, 24.01 ft or 7.318 m from floodmarks); minimum daily, 79 ft³/s (2.24 m³/s) Sept. 10, 11, 1971.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1385: 1907, 1909-12, 1913(M), 1914-15, 1916-17(M), 1925, 1927. WSP 1907: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,950	816	3,030	2,520	9,140	9,170	4,320	2,090	1,640	1,200	280	1,960
2	2,490	804	2,850	2,430	6,480	6,040	4,000	2,540	1,520	1,040	256	1,310
3	2,560	804	2,760	2,160	4,660	4,370	4,430	2,540	1,640	1,100	240	1,070
4	2,180	1,110	2,490	2,220	3,500	3,580	5,930	2,760	1,820	1,150	240	852
5	1,890	5,000	2,070	2,090	3,000	3,140	5,490	3,620	6,850	928	288	700
6												
7	1,680	6,420	2,020	1,770	2,500	2,920	5,030	5,060	15,500	804	480	640
8	1,500	5,060	1,840	1,840	2,100	2,770	4,560	9,520	13,400	720	560	660
9	1,360	4,170	3,300	1,790	1,900	4,000	4,020	6,880	10,200	670	480	700
10	1,230	3,500	8,450	2,760	1,700	3,420	3,970	5,090	7,930	620	384	540
	1,120	3,030	7,460	4,370	1,500	2,850	3,790	4,170	5,290	580	296	530
11												
12	1,030	2,680	6,070	7,810	1,400	2,720	3,640	3,520	3,660	610	248	510
13	928	2,470	4,890	13,200	1,200	2,590	3,520	3,120	3,770	570	225	5,290
14	852	2,950	4,300	10,200	1,200	3,420	3,180	3,010	4,370	540	218	5,290
15	840	2,860	3,830	7,720	1,200	3,420	2,940	2,740	3,320	480	280	2,830
	1,210	2,590	3,500	5,350	1,200	2,920	2,990	2,490	2,850	464	264	2,070
16												
17	1,640	2,410	3,260	4,240	1,300	2,700	3,040	2,650	6,130	432	280	1,630
18	1,530	2,230	3,440	3,500	1,470	2,670	2,970	2,580	5,060	408	312	1,420
19	1,290	2,090	3,260	2,800	2,040	3,160	2,920	2,290	3,460	368	280	1,320
20	1,210	1,960	2,880	2,500	2,670	5,200	3,830	2,270	3,140	344	233	1,960
	1,120	4,040	2,630	2,100	2,680	15,900	4,020	2,130	3,750	384	195	1,960
21												
22	1,040	12,000	2,200	1,700	2,180	13,900	3,540	2,020	3,200	490	180	1,930
23	956	9,410	2,100	1,700	2,140	11,300	3,060	1,950	2,430	464	210	1,610
24	928	6,420	2,000	1,900	3,830	9,840	2,790	1,840	2,040	368	225	1,340
25	928	6,300	2,340	1,910	16,800	8,300	2,920	1,710	1,820	328	376	1,400
	956	7,670	2,700	1,910	25,100	9,780	3,180	2,920	1,910	510	530	2,130
26												
27	1,150	6,800	3,240	2,900	21,700	8,970	2,940	2,360	1,630	760	520	5,870
28	1,110	5,320	2,940	2,720	18,700	7,290	2,630	2,110	2,490	510	816	7,750
29	970	4,610	2,790	2,220	13,800	6,010	2,450	1,800	1,980	490	570	7,090
30	928	4,040	2,670	4,710	-----	5,520	2,360	1,470	1,680	464	432	5,840
31	900	3,480	2,610	15,700	-----	5,610	2,230	1,320	1,420	392	2,230	3,920
	852	-----	2,630	12,200	-----	4,840	-----	1,230	-----	328	3,140	-----
TOTAL	40,328	123,044	102,550	132,940	157,090	178,320	106,690	91,800	125,900	18,516	15,268	72,122
MEAN	1,301	4,101	3,308	4,288	5,610	5,752	3,556	2,961	4,197	597	493	2,404
MAX	2,560	12,000	8,450	15,700	25,100	15,900	5,930	9,520	15,500	1,200	3,140	7,750
MIN	840	804	1,840	1,700	1,200	2,590	2,230	1,230	1,420	328	180	510
CFSM	.81	2.55	2.06	2.67	3.49	3.58	2.21	1.84	2.61	.37	.31	1.50
IN.	.93	2.85	2.37	3.08	3.63	4.13	2.47	2.12	2.91	.43	.35	1.67
CAL YR 1974	TOTAL	1,157,532	MEAN	3,171	MAX	17,300	MIN	195	CFSM	1.97	IN	26.78
WTR YR 1975	TOTAL	1,164,568	MEAN	3,191	MAX	25,100	MIN	180	CFSM	1.98	IN	26.94

PEAK DISCHARGE (BASE, 17,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
2-25	0400	12.77	26,000	3-20	1500	10.14	17,300

ALLEGHENY RIVER BASIN

03013000 CONEWANGO CREEK AT WATERBORO, N.Y.

LOCATION.--Lat 42°10'15", long 79°04'10", Chautauqua County, on right bank 300 ft (91 m) downstream from bridge on State Highway 394 at Waterboro, 0.2 mi (0.3 km) downstream from Davis Brook, 0.4 mi (0.6 km) upstream from Harris Brook, and 1.9 mi (3.1 km) northeast of Kennedy.

DRAINAGE AREA.--290 mi² (751 km²).

PERIOD OF RECORD.--September 1938 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,255.30 ft (382.615 m) above mean sea level (Corps of Engineers bench mark). Prior to Nov. 7, 1939, nonrecording gages at site 1,300 ft (396 m) upstream at various datums. Nov. 7, 1939 to Nov. 4, 1940, nonrecording gage at site 1,100 ft (335 m) upstream at datum 0.79 ft (0.241 m) higher, and Nov. 5, 1940 to May 28, 1948, nonrecording gage at site 700 ft (213 m) downstream at present datum.

AVERAGE DISCHARGE.--37 years, 511 ft³/s (14.47 m³/s) (23.93 in/yr or 607.8 mm/yr).

EXTREMES.--Current year: Maximum discharge, 3,340 ft³/s (94.6 m³/s) Feb. 27 (gage height, 9.64 ft or 2.938 m); minimum, 62 ft³/s (1.76 m³/s) Aug. 21 (gage height, 3.38 ft or 1.030 m).

Period of record: Maximum discharge, 8,600 ft³/s (244 m³/s) Apr. 7, 1947; maximum gage height, 11.58 ft (3.530 m) Mar. 8, 1956; minimum discharge observed, 22 ft³/s (0.62 m³/s) Aug. 18, 1940, Sept. 27, 29, 1941.

REMARKS.--Records good. Water-quality records for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	291	114	724	409	2350	2260	874	273	282	121	74	860
2	489	108	489	371	2190	1730	757	268	339	111	69	546
3	550	104	418	352	1690	1300	691	258	320	111	69	366
4	413	202	390	352	1180	1040	517	291	306	150	98	277
5	315	653	357	343	893	827	446	352	1020	154	138	221
6	244	686	347	319	588	597	565	686	1610	121	395	202
7	188	560	334	329	404	519	602	1140	1590	105	372	183
8	158	427	616	329	343	926	560	1040	1360	95	254	158
9	138	352	1090	658	338	903	602	785	1090	89	162	138
10	123	305	1050	1050	324	794	639	447	818	87	121	124
11	114	268	922	1430	324	611	705	334	466	108	105	114
12	108	253	752	1730	310	544	766	296	635	108	89	127
13	101	310	714	1800	291	1040	691	306	987	95	84	150
14	92	329	728	1710	277	1140	578	296	879	87	87	174
15	131	300	681	1300	273	954	653	268	508	79	81	154
16	193	263	625	1020	296	790	709	245	569	76	87	134
17	166	244	714	728	334	658	724	226	508	74	87	142
18	138	234	644	456	766	785	705	207	367	71	76	170
19	123	221	493	381	955	1220	874	193	357	74	69	384
20	117	752	427	347	875	1780	912	184	442	131	67	395
21	111	1390	381	320	696	2000	780	184	400	166	64	437
22	108	1600	366	329	672	2070	541	184	315	124	71	334
23	108	1560	352	315	1210	2030	395	175	273	102	67	258
24	104	1660	475	305	2040	1810	404	166	249	102	84	263
25	120	1910	546	338	2680	1710	512	161	245	162	170	315
26	170	1950	479	747	3170	1600	427	150	207	154	254	282
27	150	1820	418	672	3190	1360	366	153	183	117	522	244
28	131	1480	400	555	2780	1140	334	150	174	121	395	225
29	120	1190	381	1160	---	1070	310	127	154	108	268	197
30	114	964	390	2020	---	1090	291	123	138	89	888	170
31	114	---	432	2250	---	978	---	127	---	79	1010	---
TOTAL	5542	22209	17135	24425	31439	37276	17930	9795	16791	3371	6377	7746
MEAN	179	740	553	788	1123	1202	598	316	560	109	206	258
MAX	550	1950	1090	2250	3190	2260	912	1140	1610	166	1010	860
MIN	92	104	334	305	273	519	291	123	138	71	64	114
CFSM	.62	2.55	1.91	2.72	3.87	4.14	2.06	1.09	1.93	.38	.71	.89
IN.	.71	2.85	2.20	3.13	4.03	4.78	2.30	1.26	2.15	.43	.82	.99

CAL YR 1974 TOTAL 190439 MEAN 522 MAX 2580 MIN 33 CFSM 1.80 IN 24.43
WTR YR 1975 TOTAL 200036 MEAN 548 MAX 3190 MIN 64 CFSM 1.89 IN 25.66

PEAK DISCHARGE (BASE, 2,300 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
2-01	1500	8.22	2,360	2-27	0600	9.64	3,340

ALLEGHENY RIVER BASIN

201

03013946 CHAUTAUQUA LAKE AT BEMUS POINT, N.Y.

LOCATION.--Lat 42°09' 23", long 79°23'39", Chautauqua County, 6 ft (1.8 m) east of lake shore, 30 ft (9.1 m) south of the intersection of Pauline Ave. and Lakeside Ave., 950 ft (290 m) southeast of the ferry landing, at Bemus Point.

DRAINAGE AREA.--189 mi² (490 km²).

PERIOD OF RECORD.--October 1972 to September 1973; November 1974 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,300.00 ft (396.240 m) above mean sea level. Prior to Nov. 1974 at site 950 ft (290 m) northwest at same datum.

EXTREMES.--Current year: Maximum gage height, 9.55 ft (2.911 m) Feb. 25; minimum, 7.51 ft (2.289 m) Jan. 6.
Period of record: Maximum gage height, 9.55 ft (2.911 m) Feb. 25, 1975; minimum, 7.50 ft (2.286 m) Mar. 2, 1973.

REMARKS.--Lake regulated for flood control by Warner Dam. Area of water surface, 20.98 mi² (54.34 km²).

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		7.84	8.51	7.65	8.84	9.29	8.73	8.30	8.41	8.24	8.14	9.15
2		7.83	8.49	7.61	8.76	9.21	8.69	8.30	8.41	8.22	8.13	9.07
3		7.82	8.43	7.59	8.67	9.13	8.52	8.31	8.44	8.21	8.20	8.96
4		7.87	8.34	7.60	8.59	9.04	8.48	8.35	8.45	8.20	8.43	8.83
5		7.98	8.26	7.61	8.54	8.95	8.47	8.39	8.88	8.19	8.46	8.71
6		8.04	8.19	7.54	8.45	8.86	8.42	8.50	9.30	8.17	8.51	8.60
7		8.05	8.11	7.53	8.37	8.82	8.36	8.68	9.25	8.16	8.50	8.48
8		8.04	8.10	7.53	8.34	8.89	8.29	8.71	9.15	8.15	8.48	8.36
9		8.02	8.17	7.60	8.33	8.81	8.24	8.72	9.04	8.16	8.45	8.26
10		8.00	8.17	7.73	8.32	8.72	8.19	8.68	8.92	8.15	8.44	8.22
11		7.97	8.15	7.85	8.28	8.65	8.16	8.63	8.81	8.18	8.42	8.20
12		7.97	8.14	8.16	8.22	8.60	8.12	8.57	8.85	8.16	8.41	8.22
13		7.99	8.13	8.24	8.16	8.68	8.07	8.52	8.94	8.15	8.40	8.23
14		7.98	8.12	8.24	8.12	8.69	8.02	8.45	8.86	8.12	8.38	8.23
15		7.96	8.07	8.24	8.07	8.65	8.00	8.39	8.76	8.11	8.34	8.22
16		7.94	8.04	8.23	8.02	8.59	7.97	8.35	8.71	8.10	8.34	8.21
17		7.92	8.01	8.25	7.97	8.53	7.95	8.33	8.62	8.09	8.32	8.22
18		7.90	7.98	8.24	8.01	8.52	7.95	8.32	8.52	8.07	8.30	8.25
19		7.88	7.95	8.23	8.06	8.61	8.04	8.32	8.43	8.08	8.28	8.36
20		8.04	7.90	8.20	8.08	9.07	8.11	8.32	8.36	8.11	8.26	8.41
21		8.42	7.85	8.16	8.09	9.23	8.13	8.33	8.29	8.10	8.25	8.40
22		8.53	7.82	8.10	8.07	9.21	8.13	8.33	8.26	8.09	8.28	8.34
23		8.51	7.77	8.03	8.11	9.18	8.14	8.34	8.28	8.08	8.27	8.28
24		8.67	7.77	7.96	8.77	9.15	8.19	8.34	8.28	8.10	8.38	8.26
25		8.92	7.80	7.92	9.47	9.18	8.24	8.34	8.32	8.15	8.57	8.27
26		8.91	7.77	7.96	9.53	9.18	8.26	8.33	8.30	8.13	8.67	8.21
27		8.83	7.74	8.00	9.45	9.12	8.27	8.34	8.27	8.11	8.99	8.14
28		8.74	7.71	8.02	9.37	9.04	8.27	8.31	8.27	8.18	8.93	8.07
29		8.67	7.67	8.19	---	9.01	8.28	8.29	8.26	8.18	8.83	8.07
30		8.58	7.66	8.81	---	9.00	8.29	8.27	8.25	8.17	9.03	8.06
31		---	7.66	8.90	---	8.83	---	8.28	---	8.16	9.13	---
MEAN		8.19	8.02	8.00	8.47	8.92	8.23	8.41	8.60	8.14	8.47	8.38
MAX		8.92	8.51	8.90	9.53	9.29	8.73	8.72	9.30	8.24	9.13	9.15
MIN		7.82	7.66	7.53	7.97	8.52	7.95	8.27	8.25	8.07	8.13	8.06

ALLEGHENY RIVER BASIN

03014500 CHADAKOIN RIVER AT FALCONER, N.Y.

LOCATION.--Lat 42°06'45", long 79°12'15", Chautauqua County, on left bank 10 ft (3 m) downstream from South Dow Street Bridge in Falconer, 2.1 mi (3.4 km) upstream from mouth, and 6 mi (10 km) downstream from Chautauqua Lake.

DRAINAGE AREA.--194 mi² (502 km²).

PERIOD OF RECORD.--October 1934 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 1,256.41 ft (382.954 m) above mean sea level.

AVERAGE DISCHARGE.--40 years (1935-75), 340 ft³/s (9.629 m³/s).

EXTREMES.--Current year: Maximum discharge, 1,460 ft³/s (41.3 m³/s) Aug. 26 (gage height, 3.68 ft or 1.122 m); minimum, 26 ft³/s (0.74 m³/s) Aug. 11 (gage height, 0.50 ft or 0.152 m).
 Period of record: Maximum discharge, 2,050 ft³/s (58.1 m³/s) Apr. 5, 1947 (gage height, 4.56 ft or 1.390 m); minimum, 2.7 ft³/s (0.076 m³/s) Nov. 20, 21, 1960 (gage height, 0.15 ft or 0.046 m); minimum daily, 3.0 ft³/s (0.085 m³/s) Nov. 20, 1960.

REMARKS.--Records fair. Flow regulated by Chautauqua Lake (see sta. 03013990). Diurnal fluctuation caused by mills upstream from station. Monthly figures for 1951-66 water years adjusted for regulation.

REVISIONS (WATER YEARS).--WSP 803: 1936(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	48	158	770	445	838	1,050	880	100	244	71	90	1,050
3	71	158	614	445	815	1,030	854	88	233	59	92	1,060
4	113	158	770	440	781	1,000	912	61	276	54	110	1,010
5	110	115	738	440	732	976	832	67	382	50	130	900
6	110	115	685	440	706	928	732	81	907	50	160	800
7												
8	113	132	674	435	700	891	749	118	1,140	48	236	600
9	113	244	639	435	624	870	776	83	1,120	47	171	400
10	110	248	644	430	196	880	770	81	1,060	48	93	300
11	108	248	679	455	430	859	749	210	998	48	88	230
12	108	248	460	445	460	832	716	470	944	59	86	150
13												
14	88	244	460	465	565	804	711	460	896	45	79	110
15	141	248	534	465	560	754	700	479	928	43	115	110
16	144	248	584	499	554	787	690	514	971	42	151	120
17	144	244	609	529	549	787	654	509	928	42	118	110
18	144	244	614	529	544	776	639	415	880	42	90	110
19												
20	138	240	624	529	539	759	604	256	875	40	95	110
21	135	240	624	524	544	749	509	86	821	40	88	110
22	132	240	624	524	544	722	364	86	787	63	81	120
23	129	240	584	524	539	770	310	71	754	90	118	126
24	129	289	570	519	539	944	302	57	624	70	86	364
25												
26	93	499	565	519	534	987	256	57	440	70	93	659
27	102	700	560	539	514	971	192	59	110	72	138	390
28	105	690	529	560	519	998	132	69	83	72	171	400
29	88	716	509	554	749	1,010	102	69	95	76	192	341
30	100	870	509	534	998	1,040	100	67	126	80	355	256
31												
32												
33	151	982	504	504	1,110	1,040	100	77	158	80	589	679
34	151	983	499	529	1,080	993	100	76	132	80	793	669
35	151	907	494	560	1,060	960	100	115	47	86	933	314
36	151	891	499	639	-----	960	100	129	45	86	933	102
37	161	821	504	781	-----	965	100	115	63	86	1,030	102
38	158	-----	474	865	-----	944	-----	129	-----	86	1,050	-----
TOTAL												
MEAN	3,739	12,310	18,146	16,101	18,323	28,036	14,735	5,254	17,067	1,925	8,554	11,802
MAX	121	410	585	519	654	904	491	169	569	62.1	276	393
MIN	161	982	770	865	1,110	1,050	912	514	1,140	90	1,050	1,060
	48	115	460	430	196	722	100	57	45	40	79	102
CAL YR 1974	TOTAL	130,976	MEAN	359	MAX	1,150	MIN	30				
WTR YR 1975	TOTAL	155,992	MEAN	427	MAX	1,140	MIN	40				

ALLEGHENY RIVER BASIN

Lakes and reservoirs in Allegheny River basin

03012520 ALLEGHENY RESERVOIR.--Lat 41°50'17", long 79°00'15", Warren County, in Allegheny National Forest, at control house at Kinzua Dam on Allegheny River, 3 mi (5 km) upstream from Hemlock Run, and 7 mi (11 km) east of Warren. Drainage area, 2,180 mi² (5,646 km²). Period of record, October 1965 to current year. Prior to October 1966 published as Allegheny River Reservoir. Water-stage recorder. Datum of gage is at mean sea level. Extremes for current year: Maximum contents, 714,140 acre-ft (880 hm³) June 9 (elevation, 1,338.79 ft or 408.063 m); minimum, 206,960 acre-ft (255 hm³) Feb. 23 (elevation, 1,286.82 ft or 392.223 m). Extremes for period of record: Maximum contents, 1,121,120 acre-ft (1,380 hm³) June 27, 1972 (elevation, 1,362.20 ft or 415.199 m); minimum (after first filling), 113,310 acre-ft (140 hm³) Jan. 26, 1968 (elevation, 1,268.68 ft or 386.694 m).

Reservoir is formed by a concrete gravity dam with a gated spillway and with an earthfill section, rock-faced, at right side. Storage began during construction and reservoir acted as retention basin from October 1965 to December 1966. Dam became operational in January 1967. Reservoir first reached minimum pool elevation during period of construction. Capacity, 1,180,000 acre-ft (1,450 hm³) between elevations 1,205.0 ft or 367.28 m (invert of low level sluices) and 1,365.0 ft or 416.05 m (full pool). Dead storage is 128 acre-ft (158,000 m³). Minimum pool elevation, 1,240 ft or 378.0 m (capacity, 24,240 acre-ft or 29.9 hm³). Winter low-water pool elevation, 1,292 ft or 393.8 m (capacity, 239,780 acre-ft or 296 hm³). Summer low-water pool elevation, 1,328 ft or 404.8 m (capacity, 572,610 acre-ft or 706 hm³). Storage to summer pool normally occurs during period April to May. Depletion of low-water storage for augmenting flow in Allegheny River normally occurs during period July to December. Figures given herein represent total contents. Reservoir is used for flood control, low-flow augmentation and water-quality control of Allegheny River and downstream rivers, power generation, and recreation. Records furnished by Corps of Engineers.

03013946 Chautauqua Lake at Bemus Point, N.Y. (see station for daily mean gage heights).

03013990 Chautauqua Lake near Mayville, N.Y. (see station for daily mean gage heights).

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

Date	Elevation (feet)	Contents (acre- feet)	Change in contents (equivalent in cfs)
03012520 ALLEGHENY RESERVOIR			
Sept. 30	1,328.61	580,030	----
Oct. 31	1,324.85	535,520	-724
Nov. 30	1,320.63	488,590	-789
Dec. 31	1,306.78	353,320	-2200
CAL YR 1974	--	--	-271
Jan. 31	1,305.50	342,190	-181
Feb. 28	1,312.72	407,930	+1180
Mar. 31	1,318.93	470,490	+1020
Apr. 30	1,329.54	591,460	+2030
May 31	1,330.12	598,660	+117
June 30	1,328.18	574,800	-401
July 31	1,326.98	560,390	-234
Aug. 31	1,323.82	523,780	-595
Sept. 30	1,326.99	560,510	+617
WTR YR 1975			-27.0

04213500 CATTARAUGUS CREEK AT GOWANDA, N.Y.

LOCATION.--Lat 42°27'50", long 78°56'10", Erie County, on right bank 380 ft (116 m) downstream from bridge on State Highways 39 and 62 at Gowanda, and 4.2 mi (6.8 km) downstream from South Branch.

DRAINAGE AREA.--432 mi² (1,119 km²).

PERIOD OF RECORD.--November 1939 to current year.

GAGE.--Water-stage recorder. Datum of gage is 738.85 ft (225.201 m) above mean sea level. Prior to Oct. 1, 1969, at datum 0.11 ft (0.034 m) lower.

AVERAGE DISCHARGE.--35 years (1940-75), 717 ft³/s (20.31 m³/s) (22.54 in/yr or 572.5 mm/yr).

EXTREMES.--Current year: Maximum discharge, 14,600 ft³/s (413 m³/s) Jan. 29 (gage height, 9.47 ft or 2.886 m); minimum, 89 ft³/s (2.52 m³/s) Aug. 3 (gage height, 1.51 ft or 0.460 m), minimum daily discharge, 114 ft³/s (3.23 m³/s) Aug. 20.

Period of record: Maximum discharge, 34,600 ft³/s (980 m³/s) Mar. 7, 1956 (gage height, 14.14 ft or 4.310 m); minimum, about 6 ft³/s (0.17 m³/s) Aug. 21, 1941, result of regulation; minimum gage height, 0.90 ft (0.274 m) Oct. 26, 1951; minimum daily discharge, 52 ft³/s (1.47 m³/s) Sept. 13, 1945, Aug. 1, 1955.

REMARKS.--Records good except those for winter periods, which are fair. Flow regulated by several industrial plants upstream from station. Diurnal fluctuation at low and medium flow caused by industrial plants at Gowanda and by powerplant 20 mi (32 km) upstream from station. Water-quality records for the current year are published in Section 2 of this report.

REVISIONS.--WSP 1912: Drainage area. WRD N.Y. 1971: 1956(M). WRD N.Y. 1974: 1940-42 (M, P).

DISCHARGE, IN CURIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	345	154	516	622	1220	1200	972	453	1360	284	151	387
3	1040	148	510	528	882	1020	955	540	670	263	148	312
4	765	151	510	498	765	914	1020	504	628	481	146	271
5	464	403	481	565	560	834	914	577	583	425	298	227
6	382	1300	414	516	620	820	803	858	4690	298	311	200
7	284	972	430	447	622	773	858	2410	4050	255	312	430
8	243	670	392	522	565	842	819	2950	1630	247	350	355
9	223	504	1500	486	460	1520	780	1190	1270	239	219	223
10	200	392	2150	1400	490	972	826	828	955	243	174	184
11	184	340	1010	1500	430	850	874	670	663	235	154	161
12	171	307	796	5520	460	780	989	576	540	298	146	154
13	161	288	773	3530	440	842	1090	546	1510	227	143	204
14	168	355	955	1540	380	2300	906	628	1430	211	143	211
15	171	345	938	989	360	1350	811	540	819	204	151	247
16	284	293	796	780	430	947	1220	464	628	192	129	189
17	326	267	914	760	504	834	1410	436	2540	178	137	171
18	239	263	1200	620	602	882	1230	408	1080	174	148	211
19	200	259	906	620	1590	1300	1110	376	649	161	140	215
20	181	251	721	640	1260	3270	1540	355	5520	275	129	447
21	171	1900	649	470	874	7360	1190	325	2330	430	114	366
22	164	4070	546	410	721	2480	906	330	1070	255	122	366
23	157	1700	558	540	811	1640	750	392	721	204	143	239
24	161	980	558	500	2760	1590	663	852	635	174	124	223
25	164	2680	882	480	10300	1520	898	1150	635	255	255	267
26	168	2760	834	720	7120	2430	998	498	516	458	425	316
27	189	1340	706	1710	2470	1640	743	398	425	235	340	330
28	174	874	635	947	1630	1120	609	492	398	185	540	335
29	164	750	602	796	1320	1010	546	335	419	403	247	271
30	154	656	590	6030	---	1220	516	280	345	263	211	223
31	154	571	656	5540	---	1280	475	263	312	192	1590	185
	161	---	677	1900	---	963	---	271	---	164	622	---
TOTAL												
MEAN	8012	25943	23805	42126	40646	46503	27421	20895	39021	8108	8262	7920
MAX	258	865	768	1359	1452	1500	914	674	1301	262	267	264
MIN	1040	4070	2150	6030	10300	7360	1540	2950	5520	481	1590	447
CFSM	154	148	392	410	360	773	475	263	312	161	114	154
IN.	.60	2.00	1.78	3.15	3.36	3.47	2.12	1.56	3.01	.61	.62	.61
	.69	2.23	2.05	3.63	3.50	4.00	2.36	1.80	3.36	.70	.71	.68
CAL YR 1974	TOTAL	261540	MEAN 717	MAX 8620	MIN 91	CFSM 1.66	IN 22.52					
WTR YR 1975	TOTAL	298662	MEAN 818	MAX 10300	MIN 114	CFSM 1.89	IN 25.72					

PEAK DISCHARGE (BASE, 8,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-11							
1-29	1930						
2-24	2000	7.33	8,260	3-20	0500	8.11	10,800
		9.47	14,600	6-05	1700	8.08	10,300
	2130	9.07	13,700	6-19	1500	9.40	14,400

STREAMS TRIBUTARY TO LAKE ERIE

04214500 BUFFALO CREEK AT GARDENVILLE, N.Y.

LOCATION.--Lat 42°51'16", long 78°45'22", Erie County, on left bank 300 ft (91 m) downstream from bridge on Union Road in Gardenville, and 2 mi (3 km) upstream from Cayuga Creek.

DRAINAGE AREA.--144 mi² (373 km²).

PERIOD OF RECORD.--October 1938 to current year.

GAGE.--Water-stage recorder. Datum of gage is 604.04 ft (184.111 m) above mean sea level, unadjusted. Prior to Sept. 26, 1968, water-stage recorder at site 400 ft (122 m) downstream at same datum.

AVERAGE DISCHARGE.--37 years, 190 ft³/s (5.381 m³/s) (17.92 in/yr or 455.2 mm/yr).

EXTREMES.--Current year: Maximum discharge, 10,400 ft³/s (295 m³/s) Jan. 29 (gage height, 8.67 ft or 2.643 m), from rating curve extended above 3,200 ft³/s (90.6 m³/s) on basis of slope-area measurement at gage height 7.07 ft (2.155 m); minimum, 13 ft³/s (0.37 m³/s) Aug. 21 (gage height, 1.09 ft or 0.332 m).

Period of record; Maximum discharge, 13,000 ft³/s (368 m³/s) Mar. 1, 1955, Mar. 7, 1956, from rating curve extended above 3,200 ft³/s (90.6 m³/s) on basis of slope-area measurement at gage height 7.07 ft (2.155 m); maximum gage height, 11.90 ft (3.627 m) Mar. 9, 1942 (ice jam); minimum discharge, 0.2 ft³/s (0.006 m³/s) Sept. 1, 1964 (gage height, 0.81 ft or 0.247 m).

REMARKS.--Records fair except those for winter periods, which are poor. Water-quality records for the current year are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1337: 1939-52. WSP 1912: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	47	27	66	173	230	230	220	84	254	39	17	67
2	49	26	100	100	150	190	210	104	164	37	17	50
3	92	29	120	88	120	150	340	100	94	41	17	43
4	52	33	120	140	80	140	190	136	100	59	19	36
5	37	111	120	130	110	160	120	231	436	45	22	29
6	30	155	130	92	110	160	160	617	661	35	26	32
7	26	98	110	140	96	206	180	924	227	31	27	32
8	24	70	600	149	94	480	170	238	176	28	26	27
9	24	53	1020	773	88	180	200	152	138	30	19	22
10	23	44	271	609	86	140	290	116	94	31	16	19
11	22	40	190	2520	82	140	383	100	71	32	28	19
12	22	39	199	1080	80	160	436	92	425	31	26	35
13	24	55	357	300	78	898	348	109	420	27	21	49
14	26	67	324	170	76	310	271	102	183	24	23	33
15	40	57	242	140	78	170	567	86	123	20	19	26
16	55	59	367	150	82	140	555	82	855	20	15	25
17	41	62	740	130	100	200	357	75	223	19	15	27
18	33	77	348	140	860	425	258	71	113	19	21	34
19	28	59	223	130	549	1180	301	68	814	19	19	78
20	26	624	179	120	328	2470	223	65	490	28	17	67
21	24	1980	138	110	254	543	164	84	176	104	14	90
22	23	441	147	130	452	377	136	75	111	53	14	70
23	24	183	176	120	1750	377	118	490	88	33	15	84
24	24	549	383	120	3760	420	158	513	71	33	90	92
25	30	748	283	140	2040	864	227	138	65	75	78	102
26	30	246	190	480	513	446	152	86	60	43	55	90
27	30	120	140	220	310	190	118	73	55	29	144	80
28	27	120	150	170	250	160	104	63	49	34	56	56
29	25	110	155	3300	---	300	96	52	48	45	44	44
30	26	78	213	2220	---	340	90	53	44	26	430	36
31	26	---	206	390	---	190	---	50	---	20	106	---
TOTAL	1010	6360	8007	14674	12806	12336	7142	5229	6828	1110	1456	1494
MEAN	32.6	212	258	473	457	398	238	169	228	35.8	47.0	49.8
MAX	92	1980	1020	3300	3760	2470	567	924	855	104	430	19
MIN	22	26	66	88	76	140	90	50	44	19	14	19
CFSM	.23	1.47	1.79	3.28	3.17	2.76	1.65	1.17	1.58	.25	.33	.35
IN.	.26	1.64	2.07	3.79	3.31	3.19	1.85	1.35	1.76	.29	.38	.39

CAL YR 1974 TOTAL 66428 MEAN 182 MAX 3230 MIN 12 CFSM 1.26 IN 17.16
WTR YR 1975 TOTAL 78452 MEAN 215 MAX 3760 MIN 14 CFSM 1.49 IN 20.27

PEAK DISCHARGE (BASE, 4,200 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-29	2300	8.67	10,400	2-24	1730	6.40	5,230

STREAMS TRIBUTARY TO LAKE ERIE

207

04215000 CAYUGA CREEK NEAR LANCASTER, N.Y.

LOCATION.--Lat 42°53'24", long 78°38'45", Erie County, on right bank 150 ft (46 m) upstream from low dam in Como Lake Park, 700 ft (210 m) downstream from bridge on Bowen Road, 800 ft (240 m) downstream from Little Buffalo Creek, and 2 mi (3.2 km) southeast of Lancaster.

DRAINAGE AREA.--94.9 mi² (246 km²)

PERIOD OF RECORD.--September 1938 to September 1968. October 1971 to April 1974 (peak discharges only). May 1974 to current year.

GAGE.--Water-stage recorder and low concrete dam as control. Datum of gage is 672.80 ft (205.069 m) above mean sea level, unadjusted.

AVERAGE DISCHARGE.--31 years (1938-68, 1975), 122 ft³/s (3.455 m³/s) (17.46 in/yr or 443.5 mm/yr).

EXTREMES.--Current year: Maximum discharge, 8,750 ft³/s (248 m³/s) Jan. 29 (gage height, 9.75 ft or 2.972 m); minimum, 5.0 ft³/s (0.142 m³/s) Aug. 21 (gage height, 2.65 ft or 0.808 m).

Period of record: Maximum discharge, 8,800 ft³/s (249 m³/s) June 23, 1972 (gage height, 10.09 ft or 3.075 m); maximum gage height, 12.58 ft (3.834 m) Mar. 30, 1960 (ice jam); practically no flow part of Aug. 8, 9, 1939, when stoplogs were installed in the dam.

REMARKS.--Records 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.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	19	10	44	150	199	196	164	44	46	13	7.5	200
3	22	10	26	88	130	159	154	57	41	12	6.6	127
4	28	9.3	56	88	94	127	299	54	27	12	6.9	100
5	19	11	80	120	58	113	120	127	35	86	8.4	60
	13	85	86	110	72	119	116	207	168	47	9.4	44
6												
7	12	144	82	72	68	127	160	324	351	21	9.8	65
8	11	71	78	117	62	172	170	442	105	15	11	63
9	9.0	40	440	141	54	366	160	148	69	12	9.4	36
10	9.0	27	780	832	50	187	190	89	56	12	8.1	26
	9.3	22	280	476	48	127	220	64	36	10	6.9	22
11												
12	9.3	18	210	1190	47	106	265	54	25	11	9.8	20
13	9.3	18	200	450	46	147	265	48	192	12	11	116
14	12	33	329	193	45	661	222	64	318	10	8.4	74
15	12	63	289	76	44	225	214	54	114	9.6	9.4	35
	28	46	218	64	46	130	476	43	118	8.9	8.1	25
16												
17	30	34	496	80	56	127	476	39	367	8.2	7.5	22
18	19	49	580	66	114	182	299	34	151	7.5	7.5	28
19	14	124	290	70	720	348	207	32	58	7.3	7.2	33
20	11	80	190	64	453	784	211	25	422	6.8	14	116
	10	462	150	58	276	1630	140	25	618	7.3	6.3	104
21												
22	9.3	1390	130	54	238	351	97	33	132	13	5.4	168
23	8.7	391	120	60	418	270	74	39	63	26	5.6	140
24	8.7	188	180	53	1370	300	66	58	43	11	5.4	145
25	8.7	570	410	54	2570	350	90	35	33	12	166	168
	9.7	563	260	92	1180	600	143	24	29	43	103	163
26												
27	13	210	170	387	366	324	92	21	24	18	42	170
28	13	120	140	180	237	181	66	20	21	11	155	103
29	11	110	140	167	207	154	57	17	19	9.6	43	75
30	10	100	147	2970	---	256	53	14	18	10	25	52
31	9.7	60	203	1180	---	252	48	15	16	9.8	3090	38
	9.7	---	180	290	---	154	---	17	---	8.7	283	---
TOTAL	417.4	5058.3	6984	9992	9268	9225	5314	2267	3715	500.7	4096.6	2538
MEAN	13.5	169	225	322	331	298	177	73.1	124	16.2	132	84.6
MAX	30	1390	780	2970	2570	1630	476	442	618	86	3090	200
MIN	8.7	9.3	26	53	44	106	48	14	16	6.8	5.4	20
CFSM	.14	1.78	2.37	3.39	3.49	3.14	1.87	.77	1.31	.17	1.39	.89
IN.	.16	1.98	2.74	3.92	3.63	3.62	2.08	.89	1.46	.20	1.61	.99

WTR YR 1975 TOTAL 59376.0 MEAN 163 MAX 3090 MIN 5.4 CFSM 1.72 IN 23.27

PEAK DISCHARGE (BASE, 2,800 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-29	1945	9.75	8,750	8-30	0730	9.45	8,150
2-24	1615	7.13	3,510				

STREAMS TRIBUTARY TO LAKE ERIE

04215500 CAZENOVIA CREEK AT EBENEZER, N.Y.

LOCATION.--Lat 42°49'47", Long 78°46'33", Erie County, on right bank 30 ft (9 m) upstream from bridge on Ridge Road in Ebenezer, 4.4 mi (7.1 km) upstream from mouth, and 5 mi (8 km) southeast of Buffalo.

DRAINAGE AREA.--134 mi² (347 km²).

PERIOD OF RECORD.--June 1940 to current year.

GAGE.--Water-stage recorder. Datum of gage is 604.86 ft (184.361 m) above mean sea level, unadjusted. Prior to Apr. 4, 1955, at datum 2.00 ft (0.610 m) higher. Apr. 4 to Oct. 12, 1955, nonrecording gage at temporary site 1.3 mi (2.1 km) downstream at different datum.

AVERAGE DISCHARGE.--35 years, 221 ft³/s (6.259 m³/s) (22.40 in/yr or 569.0 mm/yr).

EXTREMES.--Current year: Maximum discharge, 9,490 ft³/s (269 m³/s) Jan. 29 (gage height, 11.71 ft or 3.569 m); minimum, 14 ft³/s (0.40 m³/s) Aug. 21 (gage height, 1.94 ft or 0.591 m).

Period of record: Maximum discharge, 13,500 ft³/s (382 m³/s) Mar. 1, 1955 (gage height, 15.82 ft or 4.822 m, present datum), from rating curve extended above 7,700 ft³/s (218 m³/s); minimum, 2.6 ft³/s (0.074 m³/s) Nov. 7, 1953; minimum gage height, 1.87 ft (0.570 m) June 28, 1965.

REMARKS.--Records good except those for winter periods, which are poor.

REVISIONS.--WSP 1912: Drainage area. WRD N.Y. 1973. 1972 (M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44	22	120	180	200	250	240	87	137	31	19	41
2	82	21	98	140	160	240	240	100	115	29	17	35
3	115	21	100	120	140	240	400	84	92	30	17	32
4	57	33	300	160	130	220	210	124	98	30	22	28
5	44	193	210	140	130	230	160	201	942	28	29	26
6	37	246	160	120	120	120	160	790	716	25	29	31
7	28	151	140	154	110	160	170	922	265	23	25	33
8	23	98	700	154	110	580	190	275	193	23	22	28
9	21	67	825	901	100	200	210	177	147	21	18	24
10	20	53	260	614	98	150	320	137	100	26	16	24
11	20	46	205	2180	100	120	459	118	79	26	45	24
12	19	44	210	881	100	150	459	106	861	23	25	50
13	19	70	391	250	100	861	338	124	525	20	23	40
14	25	87	348	210	110	350	260	109	214	19	20	28
15	46	70	260	190	140	180	453	95	147	18	17	25
16	72	74	364	180	160	150	471	87	559	18	16	24
17	46	72	645	170	360	200	359	79	193	17	15	26
18	33	82	343	160	1100	420	298	77	109	16	20	40
19	27	77	236	160	565	1430	430	82	702	17	16	107
20	24	1140	189	130	323	2560	260	79	391	47	15	75
21	21	2580	151	130	265	664	173	98	162	82	15	106
22	20	626	151	190	441	453	141	82	106	32	16	91
23	24	275	193	240	1770	502	127	868	82	22	15	102
24	22	1320	396	170	4350	620	265	318	65	29	56	108
25	26	1240	290	410	1950	1140	303	144	59	65	54	111
26	25	386	220	1100	574	520	177	115	49	33	72	70
27	23	227	190	620	365	230	137	84	44	23	215	58
28	21	170	173	450	290	190	118	70	41	91	48	48
29	20	140	162	4100	---	495	109	57	38	55	50	39
30	20	120	255	1790	---	447	98	53	34	29	130	33
31	21	---	232	519	---	260	---	49	---	22	66	---
TOTAL	1045	9751	8517	16913	14361	14332	7735	5791	7265	970	1163	1507
MEAN	33.7	325	275	546	513	462	258	187	242	31.3	37.5	50.2
MAX	115	2580	825	4100	4350	2560	471	922	942	91	215	111
MIN	19	21	98	120	98	120	98	49	34	16	15	24
CFSM	.25	2.43	2.05	4.07	3.83	3.45	1.93	1.40	1.81	.23	.28	.37
IN.	.29	2.71	2.36	4.70	3.99	3.98	2.15	1.61	2.02	.27	.32	.42
CAL YR 1974	TOTAL	78279	MEAN 214	MAX 3260	MIN 12	CFSM 1.60	IN 21.73					
WTR YR 1975	TOTAL	89350	MEAN 245	MAX 4350	MIN 15	CFSM 1.83	IN 24.80					

PEAK DISCHARGE (BASE, 4,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-25	2215	a 7.81	Unknown	2-18	0234	a 7.90	Unknown
1-29	1945	11.71	9,490	2-24	1430	8.79	5,510

a-Affected by ice.

ST. LAWRENCE RIVER MAIN STEM

04216000 NIAGARA RIVER AT BUFFALO, N.Y.

LOCATION.--Lat 42°52'40", long 78°53'25", Erie County, at head of Niagara River at Buffalo.

DRAINAGE AREA.--264,000 mi² (683,760 km²).PERIOD OF RECORD.--January 1860 to September 1960 (monthly discharge only published in WSP 1912), October 1960 to current year.
January 1926 to September 1960, daily discharges available in files of U. S. Department of Commerce.

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.

AVERAGE DISCHARGE.--115 years (1860-1975), 203,000 ft³/s (5,749 m³/s).EXTREMES.--Period of record: Maximum daily discharge, 299,000 ft³/s (8,470 m³/s) Nov. 17, 1955; minimum daily 90,000 ft³/s (2,550 m³/s) Jan. 13, 1964. Maximum monthly mean discharge, 264,700 ft³/s (7,500 m³/s) June 1973; minimum monthly mean, 116,000 ft³/s (3,290 m³/s) February 1936.

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, operation of which began 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, operation of which began in July 1939, and by the Ogoki project, operation of which began in July 1943. Figures of monthly mean discharge for the years 1860 to 1965 published in WSP 1912 are the official records of the U.S. Lake Survey Corps of Engineers, and have been coordinated with and concurred in by the counterpart Canadian agencies.

COOPERATION.--Provisional records of daily discharge furnished by Detroit District Corps of Engineers and Canada Department of the Environment.

REVISIONS.--WSP 1912: 1862(M), 1955 (M), 1936(M). WRD N.Y. 1971: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	235000	217000	178000	239000	228000	234000	244000	243000	247000	244000	235000	245000
2	228000	211000	182000	230000	230000	226000	228000	247000	244000	247000	234000	245000
3	223000	213000	226000	235000	230000	228000	252000	242000	244000	247000	237000	238000
4	230000	214000	228000	244000	223000	227000	264000	251000	242000	244000	238000	244000
5	231000	215000	230000	232000	228000	230000	253000	249000	246000	244000	235000	238000
6	227000	228000	224000	224000	234000	231000	250000	244000	253000	241000	222000	249000
7	231000	219000	226000	231000	248000	237000	244000	248000	257000	240000	230000	239000
8	221000	221000	234000	225000	252000	236000	246000	246000	251000	242000	235000	248000
9	225000	218000	246000	235000	235000	223000	244000	246000	245000	242000	238000	240000
10	226000	213000	247000	227000	222000	236000	243000	248000	238000	243000	239000	237000
11	221000	221000	231000	242000	228000	230000	245000	246000	240000	242000	239000	243000
12	224000	229000	229000	261000	228000	229000	247000	243000	249000	236000	234000	245000
13	212000	237000	227000	240000	242000	234000	244000	246000	250000	235000	238000	251000
14	231000	241000	226000	242000	218000	204000	241000	246000	249000	244000	236000	238000
15	226000	266000	220000	246000	228000	230000	242000	245000	249000	238000	231000	236000
16	221000	240000	229000	250000	228000	233000	244000	246000	248000	236000	232000	238000
17	239000	235000	242000	241000	222000	229000	240000	242000	246000	236000	237000	235000
18	218000	230000	245000	239000	236000	230000	241000	243000	252000	236000	235000	230000
19	219000	219000	242000	242000	240000	233000	267000	243000	248000	248000	230000	239000
20	216000	233000	237000	222000	236000	244000	263000	243000	248000	244000	229000	243000
21	222000	251000	230000	235000	230000	236000	248000	245000	245000	242000	234000	255000
22	235000	227000	234000	230000	232000	243000	241000	244000	248000	240000	235000	247000
23	222000	226000	231000	230000	233000	240000	240000	243000	246000	239000	226000	239000
24	215000	234000	229000	230000	236000	223000	244000	245000	247000	241000	241000	214000
25	224000	222000	238000	234000	268000	245000	240000	243000	242000	246000	239000	216000
26	225000	222000	237000	274000	278000	246000	246000	247000	240000	234000	240000	240000
27	221000	218000	241000	239000	249000	241000	244000	248000	244000	242000	239000	240000
28	215000	234000	233000	227000	232000	233000	241000	244000	247000	240000	236000	239000
29	216000	225000	236000	246000	---	246000	240000	240000	246000	234000	238000	234000
30	217000	205000	232000	241000	---	264000	238000	241000	242000	233000	232000	241000
31	218000	---	226000	233000	---	258000	---	245000	---	235000	231000	---
TOTAL	6934000	6784000	7116000	7366000	6594000	7279000	7364000	7592000	7393000	7455000	7275000	7186000
MEAN	223700	226100	229500	237600	235500	234800	245500	244900	246400	240500	234700	239500
MAX	239000	266000	247000	274000	278000	264000	267000	251000	257000	248000	241000	255000
MIN	212000	205000	178000	222000	218000	204000	228000	240000	238000	233000	222000	214000
CAL YR 1974	TOTAL	88494000	MEAN	242400	MAX	292000	MIN	178000				
WTR YR 1975	TOTAL	86338000	MEAN	236500	MAX	278000	MIN	178000				

04216200 SCAJAUQUADA CREEK AT BUFFALO, N.Y.

LOCATION.--Lat 42°54'41", long 78°47'48", Erie County, on right bank 58 ft (18 m) upstream from point where stream goes underground in concrete-lined tunnel, 86 ft (26 m) upstream from Pine Ridge Road and 0.2 mi (0.3 km) east of boundary line of city of Buffalo.

DRAINAGE AREA.--15.9 mi² (41.2 km²).

PERIOD OF RECORD.--February 1957 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 626.26 ft (190.884 m) above mean sea level (city of Buffalo bench mark).

AVERAGE DISCHARGE.--18 years, 33.2 ft³/s (0.940 m³/s).

EXTREMES.--Current year: Maximum discharge, 1,820 ft³/s (51.5 m³/s) Aug. 30 (gage height, 10.85 ft or 3.307 m); minimum 7.1 ft³/s (0.20 m³/s) Oct. 6,20,21, Aug. 10,18,19,20,23 (gage height, 1.60 ft or 0.488 m).

Period of record: Maximum discharge, 2,620 ft³/s (74.2 m³/s) Aug. 7, 1963 (gage height, 14.38 ft or 4.383 m); minimum, 4.1 ft³/s (0.12 m³/s) Sept. 27, 1959; minimum gage height, 1.49 ft (0.454 m) Sept. 2, 1957 (may have been lower during period of partially obstructed intake).

REMARKS.--Records good. Discharge includes flow diverted from Lake Erie and Niagara River as sewage-plant effluent entering basin upstream from station.

COOPERATION.--Town of Cheektowaga maintains records of sewage-plant discharge.

REVISIONS.--WSP 1912: Drainage area. WRD N.Y. 1974: 1973.

DISCHARGE IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	13	19	27	17	14	25	14	89	13	13	62
2	21	13	22	23	16	14	22	19	20	13	12	30
3	15	15	30	26	14	16	112	14	17	31	11	21
4	13	38	27	61	13	18	39	44	16	13	17	17
5	13	56	21	40	15	16	33	26	149	12	14	16
6												
7	12	47	20	27	15	17	31	106	60	12	18	20
8	16	20	24	31	15	58	34	60	26	13	14	14
9	13	16	229	39	14	54	52	25	17	13	13	15
10	15	14	122	119	13	24	70	19	16	13	12	14
11	12	13	40	45	14	20	74	17	15	39	11	13
12												
13	13	14	30	34	34	17	62	14	16	30	96	15
14	26	27	58	23	110	22	42	16	149	13	17	34
15	19	90	63	20	163	36	30	16	38	12	17	15
16	49	75	68	17	64	22	27	15	19	13	15	12
17	30	42	42	15	41	23	27	14	42	13	13	14
18												
19	17	62	61	22	48	25	23	14	98	13	13	20
20	15	132	80	20	69	48	20	14	21	13	11	20
21	14	208	68	15	162	44	18	13	16	13	13	53
22	13	80	38	15	324	179	18	15	38	15	12	50
23	12	269	37	14	96	185	15	14	19	47	12	52
24												
25	21											
26	13	268	33	15	52	43	15	56	15	32	13	43
27	13	67	31	40	32	53	14	18	13	14	13	77
28	19	35	110	24	27	41	14	99	14	13	12	34
29	14	137	136	18	26	88	48	21	15	31	238	55
30	29	139	75	218	20	65	23	15	14	31	28	30
31												
32	26											
33	15	49	39	45	18	36	18	14	14	13	58	21
34	12	30	27	25	15	24	15	15	14	12	30	17
35	12	28	24	18	14	20	15	14	13	15	17	14
36	12	33	25	16	---	58	15	14	11	13	40	16
37	13	24	36	16	---	35	14	40	13	13	1090	14
38	13	---	27	16	---	28	---	29	---	13	86	---
TOTAL	522	2054	1662	1084	1461	1343	965	824	1017	554	1979	828
MEAN	16.8	68.5	53.6	35.0	52.2	43.3	32.2	26.6	33.9	17.9	63.8	27.6
MAX	49	269	229	218	324	185	112	106	149	47	1090	77
MIN	12	13	19	14	13	14	14	13	11	12	11	12
CAL YR 1974	TOTAL	13126	MEAN 36.0	MAX 452	MIN 11							
WTR YR 1975	TOTAL	14293	MEAN 39.2	MAX 1090	MIN 11							

PEAK DISCHARGE (BASE, 600 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-25	1400	5.42	664	8-30	0600	10.85	1,820
8-24	1030	6.00	780				

04217000 TONAWANDA CREEK AT BATAVIA, N.Y.

LOCATION.--Lat 42°59'51", long 78°11'20", Genesee County, on right bank 150 ft (46 m) downstream from municipal dam, 500 ft (152 m) upstream from bridge on Walnut Street in Batavia, and 5.0 mi (8.0 km) downstream from Little Tonawanda Creek.

DRAINAGE AREA.--171 mi² (443 km²).

PERIOD OF RECORD.--July 1944 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 876.33 ft (267.105 m) above mean sea level.

AVERAGE DISCHARGE.--31 years, 198 ft³/s (5.607 m³/s).

EXTREMES.--Current year: Maximum discharge, 4,410 ft³/s (125 m³/s) Jan. 30 (gage height, 9.81 ft or 2.990 m); minimum, 9.0 ft³/s (0.25 m³/s) Aug. 21, 22 (gage height, 1.33 ft or 0.405 m).

Period of record: Maximum discharge, 7,200 ft³/s (204 m³/s) Mar. 31, 1960 (gage height, 12.70 ft or 3.871 m); maximum gage height, 13.85 ft (4.221 m) Apr. 6, 1947; minimum discharge, 0.4 ft³/s (0.011 m³/s) Aug. 5, 6, 7, 1955; minimum gage height, 0.59 ft (0.180 m) July 26, 27, 1948.

Maximum stage known, 14.5 ft (4.42 m) in March 1942, from records of city of Batavia.

REMARKS.--Records fair except those for period of no gage height record, which are poor. 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.

COOPERATION.--City of Batavia maintains records of diversion.

REVISIONS (WATER YEARS).--WSP 1627: 1956-57. WSP 1912: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46	30	110	213	645	393	317	138	81	46	16	60
2	40	30	95	175	371	317	299	145	135	42	14	50
3	69	30	88	155	180	281	312	158	79	45	15	40
4	55	31	132	194	120	245	317	168	97	88	14	35
5	40	77	121	183	140	237	179	407	115	69	16	29
6	34	145	138	142	120	245	281	317	490	46	18	31
7	29	113	129	172	110	241	317	865	265	37	24	29
8	27	81	241	165	100	420	317	485	187	33	28	26
9	25	63	735	420	98	330	326	273	161	33	23	23
10	24	55	555	730	92	257	312	209	113	33	19	21
11	24	50	353	750	92	233	330	168	85	33	16	20
12	23	46	281	1590	96	221	375	145	81	35	15	25
13	22	55	353	760	92	730	357	152	221	31	13	56
14	26	71	371	250	90	610	317	145	168	28	12	37
15	39	65	312	190	90	299	575	124	132	27	13	30
16	52	57	330	170	100	294	860	113	416	25	12	28
17	45	57	805	160	120	277	850	105	416	23	13	30
18	35	69	590	160	407	425	610	97	187	20	12	43
19	31	69	348	140	580	670	610	88	299	20	17	90
20	29	145	285	110	384	2060	505	79	865	27	11	80
21	26	705	233	100	281	1780	330	83	425	60	9.5	100
22	25	765	221	110	348	690	249	102	217	50	10	80
23	27	321	198	98	860	555	217	81	142	30	11	90
24	29	366	389	100	2000	470	217	95	110	25	60	100
25	32	535	353	120	3740	900	290	69	113	67	50	120
26	34	353	277	348	1570	805	233	61	85	45	40	100
27	36	205	233	281	600	398	194	53	73	32	70	90
28	31	183	233	229	440	339	168	50	69	29	45	70
29	28	165	205	366	---	357	155	46	63	35	30	54
30	26	142	221	3160	---	480	142	43	55	23	170	45
31	28	---	245	1590	---	321	---	45	---	18	90	---
TOTAL	1037	5079	9180	13331	13866	15880	10561	5109	5945	1146	906.5	1632
MEAN	33.5	169	296	430	495	512	352	165	198	37.0	29.2	54.4
MAX	69	765	805	3160	3740	2060	860	865	865	88	170	120
MIN	22	30	88	98	90	221	142	43	55	18	9.5	20
CAL YR 1974	TOTAL	78676.4	MEAN 216	MAX 2480	MIN 9.7							
WTR YR 1975	TOTAL	83672.5	MEAN 229	MAX 3740	MIN 9.5							

PEAK DISCHARGE (BASE, 1,800 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-12	1200	5.70	1,870	2-25	1100	9.46	4,160
1-30	1600	9.81	4,410	3-20	2000	7.81	3,070

Note.--No gage-height record Aug. 22 to Sept. 30.

04217500 TONAWANDA CREEK NEAR ALABAMA, N.Y.

LOCATION.--Lat 43°05'28", long 78°27'15", Genesee County, on right bank 15 ft (5 m) downstream from bridge on Meadville Road, 0.4 mi (0.6 km) downstream from inoperable canal feeder connecting Tonawanda and Oak Orchard Creeks, 1.1 mi (1.8 km) upstream from small tributary, and 3.2 mi (5.1 km) west of Alabama.

DRAINAGE AREA.--231 mi² (598 km²).

PERIOD OF RECORD.--October 1955 to current year.

GAGE.--Water-stage recorder. Datum of gage is 605.93 ft (184.687 m) above mean sea level. Prior to October 1965, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--20 years, 266 ft³/s (7.533 m³/s) (15.64 in/yr or 397.3 mm/yr).

EXTREMES.--Current year: Maximum discharge, 4,330 ft³/s (123 m³/s) Jan. 31 (gage height, 12.85 ft or 3.917 m); minimum, 20 ft³/s (0.57 m³/s) Aug. 18-20, 23 (gage height, 5.09 ft or 1.551 m).

Period of record: Maximum discharge, 7,980 ft³/s (226 m³/s) (corrected) Mar. 31, 1960 (gage height, 14.28 ft or (4.353 m); maximum gage height 15.95 ft (4.862 m) Jan. 23, 1959 (ice jam); minimum daily, 7.7 ft³/s (0.22 m³/s) Sept. 14, 15, 1964.

Corrections.--The maximum discharge for water year 1959 is 7,250 ft³/s (205 m³/s) Apr. 3, 1959 (gage height 14.05 ft or 4.282 m); the previously published figure was not the maximum.

REMARKS.--Records good except those for winter periods and those for period of no gage-height record, which are poor.

REVISIONS.--WSP 1912: Drainage area. WRD N.Y. 1974: 1973. The figures of peak discharge for water year 1959 have been revised as shown herein. Figure published in WSP 1627 is superseded.

REVISED PEAK DISCHARGE.--1959: Jan. 23 (0400) about 5,400 ft³/s (15.95 ft, ice jam).

DISCHARGE IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	56	37	150	285	1200	568	406	156	69	60	27	110
2	60	39	110	252	420	469	392	154	132	53	25	68
3	56	39	110	205	250	395	390	166	112	60	23	52
4	81	43	120	248	190	327	470	200	92	63	23	44
5	64	58	180	248	210	306	320	448	121	89	24	38
6												
7	49	150	150	222	170	321	340	451	473	60	24	34
8	44	164	170	198	150	309	392	895	489	50	25	46
9	38	121	195	218	140	451	399	884	260	45	28	42
10	35	93	700	392	130	521	451	406	210	40	32	33
	33	78	1020	1020	120	364	451	282	156	40	30	28
11												
12	32	69	576	944	120	315	465	223	114	40	29	27
13	31	67	398	1510	130	276	521	188	142	40	32	26
14	31	75	395	1320	120	685	517	173	205	39	26	48
15	31	102	509	380	120	999	477	175	240	36	25	50
	42	114	444	270	120	437	700	156	180	33	23	37
16												
17	56	97	409	240	140	381	1050	138	250	33	22	32
18	69	95	906	220	160	364	1140	128	680	32	22	30
19	60	109	1040	220	600	509	906	117	285	32	21	36
20	48	138	586	190	800	867	741	109	235	31	20	50
	42	178	416	160	480	1850	720	100	862	33	21	110
21												
22	38	851	339	140	380	2560	455	95	763	63	22	84
23	35	1140	285	160	500	1190	336	116	312	74	21	110
24	35	537	270	140	1000	823	270	105	190	57	21	90
25	36	395	454	150	2060	700	260	102	138	48	32	100
	39	710	563	180	3300	1070	321	92	121	46	80	110
26												
27	44	525	434	500	2690	1210	303	75	112	78	74	100
28	44	324	327	360	1040	685	245	67	90	50	72	86
29	46	228	303	300	690	473	210	60	81	38	190	76
30	43	208	276	560	---	451	188	56	75	33	62	60
	38	185	279	2300	---	617	170	54	67	39	56	48
31	38	---	336	3400	---	493	---	57	---	31	340	---
TOTAL												
MEAN	1394	6969	12450	16932	17430	20986	14006	6428	7256	1466	1472	1805
MAX	45.0	232	402	546	623	677	467	207	242	47.3	47.5	60.2
MIN	81	1140	1040	3400	3300	2560	1140	895	862	89	340	110
CFSM	31	37	110	140	120	276	170	54	67	31	20	26
IN _a	.19	1.00	1.74	2.36	2.70	2.93	2.02	.90	1.05	.20	.21	.26
	.22	1.12	2.00	2.73	2.81	3.38	2.26	1.04	1.17	.24	.24	.29

CAL YR	1974	TOTAL	104436	MEAN	286	MAX	3100	MIN	19	CFSM	1.24	IN	16.82
WTR YR	1975	TOTAL	108594	MEAN	298	MAX	3400	MIN	20	CFSM	1.29	IN	17.49

PEAK DISCHARGE (BASE, 2,100 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-31	0730	12.85	4,330	2-25	2400	12.48	3,760
2-22	0400	a 11.12	UNKNOWN	3-21	0730	11.64	2,960

a-Affected by ice. Note.--No gage-height record Aug. 23 to Sept. 30.

04218518 ELLICOTT CREEK BELOW WILLIAMSVILLE, N.Y.

LOCATION.--Lat 42°58'40", long 78°45'50", Erie County, on right bank 15 ft (5 m) upstream from bridge on State Highway 324 (Sheridan Drive), 0.8 mi (1.3 km) upstream from sewage treatment plant, and 1.4 mi (2.3 km) northwest of Williamsville.

DRAINAGE AREA.--77.6 mi² (201 km²).

PERIOD OF RECORD.--October 1972 to current year.

GAGE.--Water-stage recorder. Datum of gage is 586.41 ft (178.738 m) above mean sea level.

EXTREMES.--Current year: Maximum discharge, 1,700 ft³/s (48.1 m³/s) Jan. 30 (gage height, 7.24 ft or 2.207 m); minimum, 3.8 ft³/s (0.11 m³/s) Aug. 10, 11 (gage height, 0.93 ft or 0.283 m).

Period of record: Maximum discharge, 1,980 ft³/s (56.1 m³/s) Dec. 7, 1972 (gage height, 7.94 ft or 2.420 m); minimum discharge, 2.2 ft³/s (0.06 m³/s) Aug. 17, 1974; minimum gage height, 0.93 ft (0.283 m) Aug. 10, 11, 1975.

REMARKS.--Records fair except those for winter periods, which are poor. Regulation by intermittent pumpage from stone quarry 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.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	14	86	123	222	160	122	40	64	33	6.6	325
2	15	24	80	93	110	130	123	53	43	26	5.5	155
3	11	21	76	85	58	110	158	43	43	32	5.0	98
4	12	36	74	118	35	100	206	58	43	35	5.8	65
5	10	46	74	123	28	90	118	182	155	46	6.6	56
6	12	50	80	112	23	104	118	189	226	29	5.8	32
7	14	65	86	114	20	138	141	295	267	23	5.5	39
8	10	53	196	110	25	200	151	230	131	21	5.5	35
9	8.2	36	474	262	30	220	178	93	101	33	5.2	24
10	9.0	27	573	522	30	151	218	65	68	36	4.7	33
11	7.8	20	265	314	28	106	244	36	76	36	5.1	29
12	6.6	26	185	269	27	83	271	31	146	28	14	42
13	5.2	47	196	158	26	189	240	32	236	17	12	33
14	9.8	79	238	90	25	256	200	33	162	15	9.4	18
15	11	98	208	58	25	115	248	37	146	19	8.2	20
16	7.4	71	191	36	33	98	343	24	198	23	7.4	22
17	8.2	91	295	27	73	109	287	23	208	14	7.0	22
18	12	178	370	25	206	187	184	18	115	9.0	6.2	34
19	9.4	173	232	23	348	295	134	19	94	11	6.0	37
20	7.8	282	167	21	358	666	114	21	120	18	5.8	67
21	7.0	440	139	22	242	699	91	82	138	20	5.8	68
22	6.6	627	125	23	256	293	73	85	90	15	5.8	96
23	8.2	338	141	24	513	238	62	74	70	14	5.8	85
24	6.6	230	273	25	1070	220	74	25	58	19	77	85
25	18	340	338	37	1320	353	99	15	106	15	50	99
26	16	368	220	80	747	385	102	11	138	13	73	98
27	15	194	140	118	311	214	73	10	83	14	37	79
28	15	120	130	90	208	144	52	14	53	11	28	61
29	15	100	120	212	---	144	49	14	40	9.0	37	43
30	20	90	125	948	---	189	43	26	34	8.2	438	34
31	19	---	160	759	---	162	---	34	---	6.2	882	---
TOTAL	345.8	4284	6057	5021	6397	6548	4516	1912	3452	648.4	1822.6	1934
MEAN	11.2	143	195	162	228	211	151	61.7	115	20.9	58.8	64.5
MAX	20	627	573	948	1320	699	343	295	267	46	882	325
MIN	5.2	14	74	21	20	83	43	10	34	6.2	4.7	18
CFSM	.14	1.84	2.51	2.09	2.94	2.72	1.95	.80	1.48	.27	.76	.83
IN.	.17	2.05	2.90	2.41	3.07	3.14	2.16	.92	1.65	.31	.87	.93
CAL YR 1974	TOTAL	40861.4	MEAN 112	MAX 1180	MIN 5.0	CFSM 1.44	IN 19.59					
WTR YR 1975	TOTAL	42937.8	MEAN 118	MAX 1320	MIN 4.7	CFSM 1.52	IN 20.58					

PEAK DISCHARGE (BASE, 1,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-30	2045	7.24	1,700	8-31	1215	5.53	1,110
2-25	1145	6.30	1,380				

04219000 ERIE (BARGE) CANAL AT LOCK 30, MACEDON, N.Y.

LOCATION.--Lat 43°04'20", long 77°17'45", Wayne County, on left bank at lock 30, in Macedon, 500 ft (152 m) downstream from headgate in old Erie Canal, 700 ft (213 m) downstream from bridge on State Highway 350, and 2.6 mi (4.2 km) upstream from Ganargua Creek.

PERIOD OF RECORD.--November 1919 to December 1920 (navigation seasons only), October 1950 to current year. Prior to October 1956, published as Barge Canal at lock 30, Macedon.

GAGE.--Water-stage recorder. Datum of gage is 447.58 ft (136.422 m) above mean sea level. Nov. 1, 1919 to Dec. 28, 1920, nonrecording gage at same site at different datum.

AVERAGE DISCHARGE.--25 years (1950-75), 203 ft³/s (5.749 m³/s).

EXTREMES.--Period of record: Maximum daily discharge, 874 ft³/s (24.8 m³/s) Dec. 3, 1969; minimum daily, 0.8 ft³/s (0.023 m³/s) Feb. 25, 26, 1962.

REMARKS.--Records poor. This record represents net diversion from Niagara River basin into Oswego River basin through Erie (Barge) Canal. During the period of no or limited navigation, from time of canal break at Pittsford on Oct. 29 to Sept. 20, discharge consists chiefly of leakage through guard gates and runoff from small areas tributary to canal upstream from station.

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 Department of Transportation.

REVISIONS (WATER YEARS).--WSP 1237: 1951.

DISCHARGE IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	355	105	13	20	19	29	16	2.0	2.5	3.9	2.2	8.0
2	346	16	16	18	14	25	15	2.3	2.2	4.2	2.2	150
3	343	16	16	17	12	21	26	2.3	2.5	4.5	2.5	246
4	346	16	14	19	10	18	22	4.5	2.3	4.2	2.1	30
5	370	16	15	19	11	17	18	4.3	2.7	9.9	2.1	12
6	366	15	15	16	11	17	20	4.2	2.3	3.9	2.1	12
7	364	12	14	16	10	20	21	4.2	3.2	3.9	2.0	8.6
8	352	10	27	17	9.2	26	22	3.8	3.5	10	2.0	4.2
9	345	11	42	38	9.4	19	25	3.5	3.5	4.8	2.0	3.5
10	349	11	30	42	12	18	29	3.2	3.5	4.8	2.1	2.4
11	343	10	22	31	9.3	17	34	3.2	3.7	5.1	2.2	125
12	344	9.6	21	26	8.7	15	37	3.2	3.9	11	2.2	30
13	345	16	24	22	8.7	18	30	3.2	3.7	4.5	2.0	4.2
14	334	13	27	19	8.5	16	28	3.2	3.7	4.5	2.1	7.5
15	336	14	25	16	8.6	14	29	3.2	3.9	3.5	2.3	1.1
16	342	14	32	15	9.6	15	26	2.9	4.5	3.5	2.3	6.1
17	334	13	48	13	13	18	21	8.9	4.8	3.5	2.3	54
18	336	9.0	38	12	28	24	18	2.9	5.1	3.8	2.1	202
19	333	7.2	27	12	30	35	16	3.2	11	3.8	2.0	21
20	337	10	20	11	22	61	14	3.2	5.4	4.4	2.2	119
21	346	30	17	12	22	49	1.5	3.2	5.4	2.9	2.2	180
22	350	32	18	9.8	35	33	1.6	3.2	5.1	2.9	2.1	103
23	351	31	18	8.6	51	29	1.7	3.2	5.1	2.8	2.2	103
24	356	31	22	8.7	69	27	1.9	9.2	11	2.9	2.3	103
25	353	30	24	11	89	31	1.9	2.9	17	2.4	2.1	106
26	357	21	22	12	56	27	1.6	2.9	10	2.2	2.3	105
27	355	18	20	9.7	34	19	1.7	3.2	3.9	2.2	8.0	118
28	354	16	18	9.7	30	17	1.6	3.2	9.9	2.2	8.0	106
29	268	15	18	32	---	19	1.6	3.2	4.2	2.2	2.0	109
30	570	14	21	57	---	19	1.7	3.2	9.7	2.2	8.0	117
31	586	---	23	27	---	16	---	9.2	---	2.1	2.0	---
TOTAL MEAN	11166	581.8	707	596.5	650.0	729	483.8	118.0	159.2	128.7	84.2	2196.6
MAX	360	19.4	22.8	19.2	23.2	23.5	16.1	3.81	5.31	4.15	2.72	73.2
MIN	586	105	48	57	89	61	37	9.2	17	11	8.0	246
	268	7.2	13	8.6	8.5	14	1.5	2.0	2.2	2.1	2.0	1.1

CAL YR 1974 TOTAL 62775.5 MEAN 172 MAX 586 MIN 5.1
WTR YR 1975 TOTAL 17600.8 MEAN 48.2 MAX 586 MIN 1.1

STREAMS TRIBUTARY TO LAKE ONTARIO

04219940 MANNING MUCKLAND CREEK NEAR BARRE CENTER, N.Y.

LOCATION.--Lat 43°10'13", long 78°08'04", Orleans County, on left bank 40 ft (12.2 m) upstream from bridge on McNamar Road, 200 ft (60 m) east of Angevine Road, 1.5 mi (2.41 km) north of South Barre, and 3.2 mi (5.15 km) east of Barre Center.

DRAINAGE AREA.--5.28 mi² (13.68 km²).

PERIOD OF RECORD.--June 1974 to current year.

GAGE.--Water-stage recorder. Datum of gage is 639.38 ft (194.883 m) above mean sea level.

EXTREMES.--Current year: Maximum discharge, 72 ft³/s (2.039 m³/s) Feb. 24 (gage height, 5.41 ft or 1.649 m); minimum 0.01 ft³/s (0.003 m³/s) many days; minimum gage height, 0.95 ft (0.289 m) Sept. 16-18.

Period of record: Maximum discharge, 72 ft³/s (2.039 m³/s) Feb. 24, 1975 (gage height, 5.41 ft or 1.649 m); minimum, 0.01 ft³/s (0.003 m³/s) many days in 1975; minimum gage height, 0.95 ft (0.289 m) Sept. 16-18, 1975.

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.18	.36	2.2	13	11	18	12	5.6	2.4	2.1	.16	.03
2	.25	.36	2.1	11	9.0	15	11	5.6	2.3	1.9	.11	.02
3	.34	.38	2.0	10	7.0	13	17	5.4	2.4	2.1	.11	.02
4	.38	.48	1.9	11	6.0	11	14	6.7	2.0	2.0	.13	.02
5	.38	.60	1.9	10	5.0	10	9.6	7.5	2.5	1.7	.11	.02
6	.32	.69	1.9	9.1	4.4	9.4	10	9.7	3.0	1.6	.13	.02
7	.34	.69	2.1	8.6	3.8	9.0	11	9.7	3.2	1.4	.13	.02
8	.34	.66	4.2	9.1	3.4	8.0	12	7.6	2.9	1.3	.09	.02
9	.36	.63	7.3	23	3.0	7.8	13	6.6	2.7	1.2	.08	.02
10	.30	.57	6.5	24	2.9	7.4	15	6.0	2.5	1.1	.06	.01
11	.30	.57	5.8	37	2.8	8.0	19	5.5	2.4	1.1	.06	.01
12	.30	.60	5.8	27	2.7	9.4	20	5.2	3.0	.99	.04	.01
13	.32	.66	6.7	18	2.7	15	18	5.0	3.2	.87	.03	.01
14	.43	.79	7.5	13	2.6	12	18	4.7	3.0	.79	.03	.01
15	.45	.99	7.9	9.8	3.0	9.6	19	4.5	2.8	.72	.02	.01
16	.45	.95	14	8.4	4.7	9.3	16	4.2	2.9	.63	.02	.01
17	.57	1.0	23	7.6	4.9	13	14	4.1	2.7	.57	.02	.01
18	.57	1.4	18	6.6	8.8	16	13	4.0	2.5	.48	.01	.01
19	.63	1.7	15	6.0	10	29	12	3.9	6.0	.45	.01	.02
20	.60	2.7	14	5.2	11	60	10	3.7	6.5	.45	.01	.03
21	.57	4.3	13	4.8	11	44	8.8	3.6	5.0	.54	.01	.04
22	.54	3.6	12	4.5	17	30	8.0	3.3	4.2	.38	.02	.04
23	.51	2.7	12	4.2	31	27	7.6	3.1	3.7	.34	.01	.04
24	.48	3.7	19	3.9	55	25	7.8	3.0	3.2	.34	.01	.08
25	.51	4.0	18	6.2	64	33	7.3	2.7	3.1	.38	.02	.13
26	.45	3.4	15	8.4	41	23	6.7	2.6	2.8	.32	.01	.14
27	.43	2.9	13	7.3	26	16	6.3	2.4	2.7	.30	.01	.14
28	.40	2.5	12	6.8	20	13	6.1	2.2	2.5	.30	.01	.13
29	.38	2.4	12	21	---	15	5.9	2.2	2.4	.23	.01	.13
30	.40	2.3	15	24	---	16	5.7	2.6	2.2	.22	.02	.09
31	.38	---	15	14	---	13	---	2.4	---	.19	.02	---
TOTAL	12.86	48.58	305.8	372.5	373.7	544.9	353.8	145.3	92.7	26.99	1.51	1.29
MEAN	.41	1.62	9.86	12.0	13.3	17.6	11.8	4.69	3.09	.87	.049	.043
MAX	.63	4.3	23	37	64	60	20	9.7	6.5	2.1	.16	.14
MIN	.18	.36	1.9	3.9	2.6	7.4	5.7	2.2	2.0	.19	.01	.01
CFSM	.08	.31	1.87	2.27	2.52	3.33	2.23	.89	.59	.16	.009	.008
IN.	.09	.34	2.15	2.62	2.63	3.84	2.49	1.02	.65	.19	.01	.009

WTR YR 1975 TOTAL 2279.93 MEAN 6.25 MAX 64 MIN .01 CFSM 1.18 IN 16.06

PEAK DISCHARGE (BASE, 40 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-11	1530	4.25	41	2-24	2400	5.41	72
1-29	1815	4.26	42	3-20	1100	5.11	64

STREAMS TRIBUTARY TO LAKE ONTARIO

04219950 MANNING MUCKLAND CREEK TRIBUTARY NEAR ELBA, N.Y.

LOCATION.--Lat 43°07'56", long 78°09'53", Genesee County, on left bank 125 ft (38 m) upstream from bridge on Oak Orchard Road and 3.9 mi (6.28 km) north of Elba.

DRAINAGE AREA.--21.9 mi² (56.7 km²).

PERIOD OF RECORD.--June 1974 to current year.

GAGE.--Water-stage recorder. Datum of gage is 621.31 ft (189.375 m) above mean sea level.

EXTREMES.--Current year: Maximum discharge, 331 ft³/s (9.374 m³/s) Feb. 24 (gage height, 7.01 ft or 2.137 m); minimum, 0.03 ft³/s (0.0008 m³/s) Aug. 24 (gage height, 1.18 ft or 0.360 m).

Period of record: maximum discharge, 331 ft³/s (9.374 m³/s) Feb. 24, 1975 (gage height, 7.01 ft or 2.137 m); minimum 0.03 ft³/s (0.0008 m³/s) Aug. 24, 1975 (gage height, 1.18 ft or 0.360 m).

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FFB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.20	.90	7.4	30	38	52	35	7.1	4.8	2.9	.67	1.9
2	.30	.92	6.8	23	24	45	29	8.4	5.3	2.9	.59	1.9
3	.40	.94	6.2	19	15	36	30	7.4	4.0	3.3	.52	1.2
4	.50	1.8	6.0	20	11	29	32	14	4.4	3.6	.59	.75
5	.70	3.2	6.2	22	8.4	26	35	31	7.4	2.9	.59	.59
6	.80	4.2	6.6	16	7.0	24	38	38	28	2.4	.59	.52
7	.80	3.7	7.4	17	6.0	22	43	62	23	2.1	.67	.52
8	.80	2.7	15	19	5.4	21	47	35	15	2.1	.59	.40
9	.90	2.1	50	75	5.0	20	52	21	9.9	1.9	.40	.35
10	1.0	1.5	35	84	4.7	19	60	14	6.6	1.9	.30	.30
11	.90	1.5	23	104	4.6	18	78	11	5.5	1.9	.25	.25
12	.95	1.8	19	85	4.5	20	94	9.4	20	1.8	.25	.30
13	.82	3.2	26	52	4.5	40	79	9.9	40	1.5	.30	.30
14	1.0	5.2	31	29	4.5	30	74	8.6	19	1.4	.25	.52
15	1.7	4.8	29	23	4.9	26	88	7.6	12	1.4	.21	.46
16	2.1	4.8	53	18	5.9	20	74	6.6	15	1.3	.21	.35
17	1.7	5.9	122	14	8.1	38	55	6.6	12	1.3	.17	.35
18	1.2	8.9	86	11	33	64	41	5.9	7.1	1.1	.17	.46
19	1.1	9.6	60	10	61	117	38	5.9	93	.95	.14	.95
20	1.0	12	46	8.4	54	295	25	5.5	143	1.2	.10	1.5
21	.93	23	35	7.8	47	190	16	5.1	69	3.6	.06	1.4
22	.92	22	28	7.0	81	120	12	4.8	37	2.2	.05	1.3
23	.93	14	30	7.2	177	100	11	4.2	19	1.5	.04	1.1
24	.95	16	76	7.6	260	90	12	4.0	9.7	1.3	.12	1.3
25	1.0	21	70	9.7	294	70	13	4.6	6.9	1.6	.85	1.6
26	1.1	17	50	18	203	56	11	15	5.5	1.4	.85	2.5
27	.90	12	38	14	129	45	11	7.1	4.8	1.2	.52	2.7
28	.77	10	28	13	80	43	8.9	3.5	4.4	1.1	.67	1.8
29	.76	9.3	25	69	---	50	8.4	2.7	4.0	.95	.46	1.3
30	.93	8.4	40	132	---	57	7.9	3.3	3.5	.85	.95	.95
31	.93	---	40	65	---	43	---	4.2	---	.85	1.8	---
TOTAL	28.99	232.36	1101.6	1029.7	1580.5	1826	1158.2	373.4	638.8	56.40	13.93	29.82
MEAN	.94	7.75	35.5	33.2	56.4	58.9	38.6	12.0	21.3	1.82	.45	.99
MAX	2.1	23	122	132	294	295	94	62	143	3.6	1.8	2.7
MIN	.20	.90	6.0	7.0	4.5	18	7.9	2.7	3.5	.85	.04	.25
CFSM	.04	.35	1.62	1.52	2.58	2.69	1.76	.55	.97	.08	.02	.05
IN.	.05	.39	1.87	1.75	2.68	3.10	1.97	.63	1.09	.10	.02	.05

WTR YR 1975 TOTAL 8069.70 MEAN 22.1 MAX 295 MIN .04 CFSM 1.01 IN 13.71

PEAK DISCHARGE (BASE, 190 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-29	2300	5.52	204	3-20	1030	6.83	314
2-24	2330	7.01	331	6-19	1930	5.84	229

04221000 GENESEE RIVER AT WELLSVILLE, N.Y.

LOCATION.--Lat 42°07'20", long 77°57'27", Allegany County, on left bank 35 ft (11 m) upstream from concrete weir at Wellsville, 0.6 mi (1.0 km) upstream from Crowner Brook and sewage treatment plant, and 0.6 mi (1.0 km) downstream from Dyke Creek.

DRAINAGE AREA.--289 mi² (749 km²).

PERIOD OF RECORD.--August 1955 to September 1958, October 1972 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 1,470.00 ft (448.056 m) above mean sea level. August 1955 to September 1958, nonrecording gage at site 0.4 mi (0.6 km) upstream at datum 3.00 ft (0.91 m) higher.

AVERAGE DISCHARGE.--6 years (1955-58, 1972-75), 423 ft³/s (11.98 m³/s) (19.88 in/yr or 505.0 mm/yr).

EXTREMES.--Current year: Maximum discharge, 7,360 ft³/s (208 m³/s) Sept. 26 (gage height, 10.18 ft or 3.103 m); minimum 38 ft³/s (1.08 m³/s) Aug. 29 (gage height 4.32 ft or 1.317 m).

Period of record: Maximum discharge, 38,500 ft³/s (1,090 m³/s) June 23, 1972 (gage height, 14.12 ft (4.304 m), from floodmarks at site and datum then in use), from contracted-opening measurement of peak flow at bridge on State Highway 17 at Wellsville; minimum daily, 18 ft³/s (0.51 m³/s) Sept. 9, 1957.

REMARKS.--Records good except those for winter periods, which are fair. Water-quality records for the current year are published in Section 2 of this report. Record for station 04221500 Genesee River at Scio 5.2 mi (8.4 km) downstream published for period June 1916 to September 1972.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FFB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	155	70	318	324	765	927	539	255	402	140	54	140
2	215	70	324	290	608	712	497	290	270	121	51	117
3	182	67	312	265	511	600	864	240	372	210	49	107
4	148	147	270	285	408	518	704	390	306	250	54	84
5	133	990	225	255	360	476	632	455	3000	144	64	73
6	122	837	250	220	310	441	600	1400	3850	117	84	84
7	114	546	235	250	240	462	553	1330	2110	144	97	73
8	108	455	1420	225	210	616	539	774	1310	104	64	62
9	100	390	1720	348	190	378	560	632	954	94	54	73
10	94	336	918	396	170	348	525	532	712	91	49	59
11	90	300	747	2970	170	342	483	455	568	100	47	56
12	84	348	672	2210	160	360	434	420	882	86	45	640
13	81	455	616	1200	160	518	396	408	756	80	45	285
14	84	336	568	819	170	408	360	378	504	77	49	210
15	117	312	497	592	180	372	360	354	427	83	42	160
16	128	275	504	500	187	342	342	584	1220	68	81	136
17	104	260	546	400	196	420	318	378	568	66	73	128
18	94	245	469	350	300	511	312	348	441	60	51	140
19	84	230	402	320	441	1720	414	330	420	60	45	240
20	81	330	372	280	318	2900	390	290	390	160	42	160
21	78	882	318	255	270	1450	342	270	306	104	40	151
22	76	584	330	300	336	1190	295	250	260	71	42	128
23	76	476	295	275	1490	1060	285	648	230	60	40	114
24	76	624	360	260	5400	1020	360	342	235	151	49	255
25	81	696	427	300	4770	1150	360	455	210	402	56	2580
26	94	532	384	441	2200	954	312	330	270	121	49	6290
27	81	455	348	295	1420	729	275	462	290	87	54	2470
28	76	441	336	255	1070	664	265	306	215	91	42	1260
29	73	408	330	1660	---	704	250	255	182	76	40	864
30	73	354	336	1940	---	656	230	235	160	64	532	656
31	70	---	318	981	---	568	---	275	---	56	220	---
TOTAL	3172	12451	15167	19461	23010	23516	12796	14071	21820	3538	2304	17795
MEAN	102	415	489	628	822	759	427	454	727	114	74.3	593
MAX	215	990	1720	2970	5400	2900	864	1400	3850	402	532	6290
MIN	70	67	225	220	160	342	230	235	160	56	40	56
CFSM	.35	1.44	1.69	2.17	2.84	2.63	1.48	1.57	2.52	.39	.26	2.05
IN.	.41	1.60	1.95	2.51	2.96	3.03	1.65	1.81	2.81	.46	.30	2.29
CAL YR 1974	TOTAL	144885	MEAN 397	MAX 2710	MIN 27	CFSM 1.37	IN 18.65					
WTR YR 1975	TOTAL	169101	MEAN 463	MAX 6290	MIN 40	CFSM 1.60	IN 21.77					

PEAK DISCHARGE (BASE, 3,600 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-11	1700	9.05	5,240	3-20	0100	8.41	4,160
1-29	1900	8.32	4,070	6-05	1730	8.80	4,820
2-24	2400	10.14	7,100	9-26	1000	10.18	7,360

STREAMS TRIBUTARY TO LAKE ONTARIO

04221990 RUSHFORD LAKE AT CANEADEA DAM, N.Y.

04221991 CANEADEA CREEK AT CANEADEA DAM, N.Y.

LOCATION.--Lat 42°22'49", long 78°11'00", Allegany County, in control structure of Caneadea Dam at outlet of Rushford Lake, and 2.4 mi (3.9 km) upstream from mouth.

DRAINAGE AREA.--60.7 mi² (157 km²).

PERIOD OF RECORD.--October 1968 to current year. July 1928 to current year in files of Rochester Gas & Electric Corp.

GAGE.--Water-stage recorder. Elevation of gage is 1,440 ft (439 m) above mean sea level (furnished by Rochester Gas & Electric Corp.).

AVERAGE DISCHARGE.--7 years, 91.6 ft³/s (2.59 m³/s) (20.49 in/yr or 520.4 mm/yr), unadjusted.

REMARKS.--Outflow from Rushford Lake (capacity, 1,106 mil ft³ or 31.3 hm³) used for power generation. Discharge computed by orifice and/or weir formula. Flow regulated by gates at dam completed in 1928. Area of water surface, 0.89 mi² (2.31 km²). Daily discharge record at a site 2 miles (3.2 km) downstream is published for the period July 1949 to September 1968 as 04222000 Caneadea Creek at Caneadea, New York.

COOPERATION.--Records furnished by Rochester Gas & Electric Corp.

MONTHEND ELEVATIONS, CONTENTS, AND MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	04221990 RUSHFORD LAKE			04221991 CANEADEA CREEK AT CANEADEA DAM			
	† Elevation FT	Contents CU FT	Change in contents CFS	Observed discharge MEAN	‡ Adjusted for change in contents in Rushford Lake		
					MEAN	CFSM	IN.
October	1,405.4	462.84	-165	185	20.6	0.34	0.39
November	1,398.5	374.28	- 34.2	126	91.9	1.51	1.69
December	1,386.5	244.34	- 48.5	134	85.3	1.41	1.62
CAL YR 1974			- 5.72	92.3	86.6	1.43	19.37
January	1,422.2	726.97	+180	0	180	2.97	3.42
February	1,430.0	877.48	+ 62.2	106	168	2.77	2.88
March	1,436.5	1,022.11	+ 54.0	132	186	3.06	3.52
April	1,431.5	910.14	- 43.2	141	97.6	1.61	1.79
May	1,439.7	1,098.75	+ 70.4	42.3	113	1.86	2.14
June	1,440.4	1,115.60	+ 6.50	148	154	2.54	2.83
July	1,440.6	1,120.44	+ 1.81	5.29	7.10	.12	.13
August	1,440.3	1,113.18	- 2.71	12.3	9.55	.16	.18
September	1,434.1	966.64	- 56.5	86.0	29.4	.48	.54
WTR YR 1975			+ 2.00	92.6	94.6	1.56	21.15

† Elevation at 2400 hrs last day of month.

‡ Adjustments made by Geological Survey.

NOTE.--All figures of contents expressed in millions.

04223000 GENESEE RIVER AT PORTAGEVILLE, N.Y.

LOCATION.--Lat 42°34'13", long 78°02'33", Wyoming County, on left bank at Portageville, 500 ft (152 m) downstream from bridge on State Highway 436, 800 ft (244 m) upstream from abandoned railroad bridge piers, and 0.9 mi (1.4 km) upstream from Upper Falls.

DRAINAGE AREA.--981 mi² (2,541 km²).

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.

GAGE.--Water-stage recorder. Datum of gage is 1,080.00 ft (329.184 m) above mean 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 (13 km) downstream at different datum, Oct. 1, 1946 to June 21, 1972, water-stage recorder, at site 1,200 ft (366 m) downstream at datum 2.60 ft (0.792 m) higher (destroyed by flood of June 1972), and July 12, 1972 to May 18, 1973, nonrecording gage at site 500 ft (152 m) upstream at datum 11.48 ft (3.499 m) higher.

AVERAGE DISCHARGE.--67 years, 1,227 ft³/s (34.75 m³/s) (unadjusted).

EXTREMES.--Current year: Maximum discharge, 25,300 ft³/s (716 m³/s) Feb. 25 (gage height, 18.91 ft or 5.764 m); minimum, 151 ft³/s (4.28 m³/s) Aug. 21-23 (gage height, 8.07 ft or 2.460 m).

Period of record: Maximum discharge, about 90,000 ft³/s (2,550 m³/s) June 23, 1972 (gage height, 35.25 ft or 10.744 m), from high-water mark, site and datum then in use, from rating curve extended above 25,000 ft³/s (708 m³/s) on basis of contracted-opening measurement of 71,000 ft³/s (2,010 m³/s) at highway bridge 0.4 mi (0.6 km) upstream and contracted-opening measurement of 98,200 ft³/s (2,780 m³/s) 0.7 mi (1.1 km) downstream from gage; minimum, 18 ft³/s (0.51 m³/s) Oct. 5, 17, 1913 (gage height, 1.70 ft (0.518 m), site and datum then in use).

REMARKS.--Records good except those for winter periods, which are fair. Some seasonal regulation by Rushford Lake since July 1928. 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. Water quality records for the current year are published in Section 2 of this report.

REVISIONS (WATER YEARS).--WSP 264: 1908. WSP 564: 1916(M). WRD N.Y. 1966: Drainage area. WRD N.Y. 1972: 1950(M), 1951(M), 1956(M), 1959(M), 1964(M), 1967(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	579	183	800	1020	2200	2570	1910	663	1050	389	200	653
2	671	384	800	894	1500	1900	2070	989	962	357	188	500
3	812	395	1300	760	1300	1500	2620	1010	874	378	177	348
4	680	498	1100	932	1000	1200	2970	1790	1170	612	172	295
5	597	1960	800	820	1000	1100	2210	2880	6060	504	187	253
6	547	2430	920	620	980	1200	2130	5530	14400	382	203	248
7	518	1540	842	805	900	1130	1990	11300	7170	335	251	264
8	622	1210	2880	743	720	1990	1800	3460	3940	343	261	234
9	792	1170	7160	1260	700	1200	2130	2190	2730	299	214	206
10	589	1020	2840	2210	580	980	2240	1620	1810	278	189	193
11	554	920	2030	8620	720	960	2020	1310	1330	270	177	194
12	542	864	1720	9980	940	900	1530	1110	1630	273	168	3200
13	531	1240	1720	3990	920	1690	1280	1120	2820	259	163	1930
14	541	1140	1640	2300	900	1550	1210	1020	1450	247	163	1080
15	573	967	1490	1500	900	1090	1700	889	1190	242	158	750
16	676	866	1430	1300	911	999	1840	1320	4720	238	164	499
17	670	798	2060	1000	933	1150	1710	1120	2510	228	170	430
18	536	757	1780	840	1200	2240	1310	886	1220	213	204	407
19	256	721	1360	820	1400	4640	1720	810	2490	204	178	595
20	224	2080	1200	780	1290	12800	1620	737	3110	230	159	618
21	224	6230	880	760	963	5660	1260	663	1210	289	152	535
22	224	2800	940	820	1110	3690	1000	624	906	286	151	504
23	224	1680	860	880	3770	3510	889	2550	755	225	160	749
24	224	2040	1500	811	17700	3110	1050	1280	679	211	207	612
25	221	2770	1680	833	18200	4920	1420	2660	578	409	235	2220
26	221	2070	1630	1690	7440	3700	1090	1190	515	515	234	14100
27	224	1350	1470	1420	4280	2370	899	1340	560	312	462	7580
28	224	1240	1450	1090	2850	2010	790	961	555	482	384	3620
29	224	1130	1360	5900	---	2090	741	686	480	299	315	2240
30	209	994	1360	9700	---	2430	691	592	434	252	688	1680
31	184	---	1240	3430	---	1880	---	568	---	219	1350	---
TOTAL	13913	43447	50242	68528	77307	78159	47840	54868	69308	9780	8084	46737
MEAN	449	1448	1621	2211	2761	2521	1545	1770	2310	315	261	1558
MAX	812	6230	7160	9980	18200	12800	2970	11300	14400	612	1350	14100
MIN	184	183	800	620	580	900	691	568	434	204	151	193
CAL YR 1974	TOTAL	530144	MEAN	1452	MAX	11300	MIN	110				
WTR YR 1975	TOTAL	568213	MEAN	1557	MAX	18200	MIN	151				

PEAK DISCHARGE (BASE, 15,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-11	2300	15.93	16,700	5-07	0200	17.29	20,600
1-30	0030	16.29	17,700	6-06	0130	16.43	18,100
2-25	0200	18.91	25,300	9-26	0900	15.69	16,000
3-20	0630	15.50	15,400				

STREAMS TRIBUTARY TO LAKE ONTARIO

04224000 MOUNT MORRIS LAKE NEAR MOUNT MORRIS, N.Y.

LOCATION.--Lat 42°44'00", Long 77°54'40", Livingston County, at Mount Morris Dam on Genesee River, 2.0 mi (3.2 km) northwest of Mount Morris, 5 mi (8 km) upstream from Canaseraga Creek, and 40 mi (64 km) upstream from mouth.

DRAINAGE AREA.--1,075 mi² (2,784 km²).

PERIOD OF RECORD.--January 1952 to current year. Prior to October 1970, published as Mount Morris Reservoir near Mount Morris.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Prior to Apr. 8, 1952, reference point at same site and datum.

EXTREMES.--Current year: Maximum elevation, 665.52 ft (202.850 m) Feb. 27 (contents, 89,140 acre-ft or 110 hm³); minimum, 584.50 ft (178.156 m) Aug. 11, 12, 13 (contents, 522.5 acre-ft or 644,000 m³).
 Period of record: Maximum elevation, 755.46 ft (230.264 m) June 25, 1972 (contents, 322,600 acre-ft or 398 hm³); minimum, 584.50 ft (178.156 m) Aug. 11, 12, 13, 1975 (contents, 522.5 acre-ft or 644,000 m³).

REMARKS.--Lake is formed by a concrete gravity-type dam with overflow spillway, completed by Corps of Engineers in 1951 for flood control; first used for flood regulation on Nov. 24, 1951. Usable capacity, 336,800 acre-ft (415 hm³) between elevation 585.0 ft (178.31 m) (sill of conduits) and 760.0 ft (231.65 m) (crest of spillway). Dead storage, 609 acre-ft (751,000 m³). Discharge is controlled by the operation of nine gates. Water is stored during high flows and released when downstream conditions warrant.

COOPERATION.--Records furnished by Corps of Engineers.

REVISIONS.--WSP 1437: 1955. WRD N.Y. 1967: Drainage area.

Capacity table (elevation, in feet, and usable contents, in acre-feet)
 (Furnished by Corps of Engineers in 1953)

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

ELEVATION, IN FEET ABOVE MEAN SEA LEVEL, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	585.56	584.57	586.04	585.98	626.03	659.64	586.69	585.53	585.30	584.53	584.51	584.66
2	585.74	584.70	585.45	585.84	615.59	655.39	586.78	585.44	585.60	584.52	584.51	584.59
3	586.47	584.86	585.97	585.57	594.25	650.24	587.02	585.85	585.20	584.54	584.51	584.57
4	586.18	584.99	586.33	585.87	586.03	643.37	589.16	585.95	585.80	584.53	584.51	584.57
5	585.81	589.95	585.77	585.83	585.70	635.78	586.60	590.86	590.67	584.54	584.51	584.57
6												
7	585.64	594.03	586.02	585.30	585.79	627.31	587.03	590.56	628.37	584.52	584.52	584.58
8	585.52	592.02	585.85	585.67	585.65	616.69	586.16	625.74	638.59	584.51	584.53	584.57
9	585.67	591.13	587.52	585.74	585.10	602.17	586.24	633.50	639.14	584.51	584.52	584.57
10	586.22	590.90	602.24	586.03	585.05	588.97	586.98	633.40	637.02	584.52	584.51	584.57
11	585.60	590.57	594.51	591.00	584.82	586.83	587.57	630.50	632.55	584.52	584.52	584.57
12												
13	585.35	590.21	590.73	597.73	585.03	586.59	587.45	626.75	625.28	584.52	584.51	584.57
14	585.28	589.96	587.17	623.88	585.40	586.40	586.91	622.20	616.83	584.52	584.51	584.57
15	585.23	590.39	587.06	624.27	585.13	587.73	586.83	613.84	609.65	584.52	584.52	587.54
16	585.21	590.65	587.03	614.62	584.97	588.38	586.97	595.49	605.38	584.52	584.52	584.86
17	585.25	590.21	586.88	593.98	584.97	586.67	586.91	585.25	603.38	584.52	584.53	584.62
18												
19	585.38	589.94	586.73	586.83	585.13	586.53	587.08	585.41	605.37	584.52	584.55	584.57
20	585.74	589.49	589.93	585.72	585.19	586.51	587.10	585.70	612.26	584.52	584.55	584.57
21	585.75	589.21	589.33	585.00	586.17	590.12	587.10	585.40	608.60	584.52	584.56	584.58
22	584.82	588.90	586.67	585.92	586.97	595.98	587.38	585.31	603.16	584.54	584.56	584.57
23	584.62	589.29	586.39	585.13	586.25	623.39	587.30	585.30	609.13	584.54	584.56	584.56
24												
25	584.61	602.84	586.02	585.17	585.44	634.45	586.70	585.27	607.25	584.53	584.56	584.56
26	584.59	607.17	585.97	584.93	586.15	635.25	586.15	585.19	598.76	584.53	584.55	584.56
27	584.58	600.56	585.86	584.95	585.31	634.80	586.05	587.58	588.23	584.52	584.55	584.56
28	584.57	593.50	586.61	584.85	621.43	633.84	586.12	586.32	584.72	584.55	584.63	584.56
29	584.57	596.85	586.95	585.32	652.72	633.58	586.88	587.96	584.68	584.53	584.56	587.99
30												
31	584.58	597.62	586.89	588.86	663.54	632.38	586.75	585.90	584.60	584.53	584.57	618.19
MEAN	584.58	590.30	586.56	590.59	665.28	627.26	586.25	585.65	584.57	584.53	584.56	633.07
MAX	584.58	586.59	586.62	588.15	663.49	619.25	586.05	585.53	584.56	584.52	584.56	630.38
MIN	584.58	586.46	586.55	592.48	---	604.69	585.89	585.01	584.56	584.51	584.57	624.38
*	584.57	586.28	586.50	625.74	---	590.10	585.65	584.81	584.55	584.51	584.60	614.94
†	584.56	---	586.45	629.75	---	587.33	---	584.73	---	584.51	585.27	---
WTR YR 1975	585.19	591.14	587.57	593.12	600.81	613.47	586.79	595.55	603.13	584.52	584.56	591.52
CAL YR 1974	586.47	607.17	602.24	629.75	665.28	659.64	589.16	633.50	639.14	584.55	585.27	633.07
*	584.56	584.57	585.45	584.85	584.82	586.40	585.65	584.73	584.55	584.51	584.51	584.56
†	536	821	825	29,080	140	912	713	574	529	524	593	9,871
*	-2.1	+4.8	+0.1	+460	-521	+13	-3.3	-2.3	-0.8	-0.1	+1.1	+156

* Contents, in acre-feet, at end of month.
 † Change in contents, equivalent in cubic feet per second.

STREAMS TRIBUTARY TO LAKE ONTARIO

04224775 CANASERAGA CREEK ABOVE DANSVILLE, N.Y.

LOCATION.--Lat 42°32'08" long 77°42'16", Livingston County, on right bank on Poags Hole Road, 0.7 mi (1.1 km) upstream from Stony Brook and 1.7 mi (2.7 km) south of Dansville.

DRAINAGE AREA.--90.0 mi² (233 km²).

PERIOD OF RECORD.--August 1974 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 722 ft (220.1 m) above mean sea level (from topographic map). Stage-sediment sampler on right side of highway bridge 0.5 mi (0.8 km) downstream from gage.

EXTREMES.--Maximum discharge during period of record, 1,940 ft³/s (54.9 m³/s) Feb. 24, 1975 (gage height, 4.59 ft or 1.399 m); minimum, 7.4 ft³/s (0.21 m³/s) Sept. 11, 1975 (gage height, 1.20 ft or 0.366 m).

REMARKS.--Records poor. Water-quality records for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, 1974

DAY	AUG	SEP	DAY	AUG	SEP	DAY	AUG	SEP	DAY	AUG	SEP
1	14	18	9	18	18	17	18	17	25	13	19
2	14	17	10	17	17	18	19	17	26	13	19
3	15	50	11	15	16	19	18	17	27	14	18
4	19	45	12	14	16	20	28	17	28	16	17
5	19	26	13	14	18	21	16	19	29	20	17
6	16	21	14	14	23	22	14	26	30	26	17
7	15	19	15	13	19	23	13	21	31	19	--
8	15	18	16	13	18	24	13	20			
TOTAL										505	620
MEAN										16.3	20.7
MAX										28	50
MIN										13	16
CFSM										.18	.23
IN.										.21	.26

DISCHARGE IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	18	72	56	268	160	136	55	55	27	15	36
2	20	18	76	52	170	130	128	111	53	26	14	25
3	23	18	78	50	130	110	208	85	68	31	14	18
4	20	29	72	52	120	100	150	447	64	35	15	15
5	20	179	60	49	110	100	120	327	322	27	14	12
6	20	149	62	46	110	98	110	756	533	25	20	13
7	19	94	59	48	100	98	100	749	190	24	17	11
8	19	72	207	50	92	94	100	345	130	22	15	9.6
9	19	62	500	110	78	84	110	226	94	20	14	9.0
10	19	54	234	175	62	80	130	171	70	20	14	8.4
11	19	49	120	999	74	78	120	133	60	23	13	7.9
12	19	48	105	736	78	80	100	116	62	20	13	68
13	19	57	110	372	68	142	94	111	58	20	13	48
14	20	49	108	241	60	100	94	93	54	20	13	40
15	22	42	94	180	68	90	108	88	52	25	12	25
16	24	40	103	150	72	83	108	133	190	20	13	19
17	22	39	128	140	83	106	106	90	76	19	13	17
18	20	38	100	120	116	161	100	76	56	19	12	19
19	19	37	80	110	133	579	119	66	100	19	12	44
20	18	128	70	98	111	896	119	57	74	19	12	31
21	17	380	60	92	103	447	98	64	58	19	12	31
22	16	234	54	110	128	305	73	55	50	18	12	21
23	16	163	50	98	359	272	71	68	54	17	12	16
24	16	223	54	98	1500	264	119	76	70	20	12	22
25	16	279	62	106	1280	336	128	80	50	25	17	236
26	17	190	58	164	556	252	100	53	40	18	86	582
27	17	140	54	119	318	150	83	55	35	17	48	171
28	17	110	56	108	220	120	71	53	33	64	20	95
29	17	94	56	775	---	140	64	53	31	20	25	62
30	18	82	56	801	---	155	57	51	29	17	85	53
31	18	---	54	426	---	133	---	51	---	15	57	---
TOTAL	584	3115	3052	6731	6567	5943	3224	4894	2811	711	664	1764.9
MEAN	18.8	104	98.5	217	235	192	107	158	93.7	22.9	21.4	58.8
MAX	24	380	500	999	1500	896	208	756	533	64	86	582
MIN	16	18	50	46	60	78	57	51	29	15	12	7.9
CFSM	.21	1.16	1.09	2.41	2.61	2.13	1.19	1.76	1.04	.25	.24	.65
IN.	.24	1.29	1.26	2.78	2.71	2.46	1.33	2.02	1.16	.29	.27	.73
WTR YR 1975	TOTAL	40060.9	MEAN	110	MAX	1500	MIN	7.9	CFSM	1.22	IN	16.56

PEAK DISCHARGE (BASE, 1,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-11							
1-29	1630	4.20	1,570	3-20	0100	3.62	1,080
2-24	1945	4.31	1,670	5-06	2015	4.24	1,610
	1345	4.59	1,940	6-05	2345	3.65	1,100

STREAMS TRIBUTARY TO LAKE ONTARIO

04225000 CANASERAGA CREEK NEAR DANSVILLE, N.Y.

LOCATION.--Lat 42°33'36", long 77°42'57", Livingston County, on left bank 200 ft (61 m) upstream from bridge on State Highway 436 (Ossian Street), 0.5 mi (0.8 km) downstream from Mill Creek, and 1 mi (2 km) west of Dansville.

DRAINAGE AREA.--153 mi² (396 km²). October 1917 to September 1919, October 1938 to September 1940, 155 mi² (401 km²).

PERIOD OF RECORD.--July 1910 to December 1912, July 1915 to June 1917, October 1917 to September 1919 (published as "at Cumminsville"), March 1919 to September 1968, July 1970 to current year. Monthly discharge only for some periods, published in WSP 1307.

GAGE.--Water-stage recorder. Datum of gage is 640.00 ft (195.072 m) above mean sea level (levels by New York State Conservation Commission). Prior to Oct. 19, 1920, nonrecording gage at or within 1 mi (2 km) of present site at various datums. Oct. 19, 1920 to Sept. 30, 1938, water-stage recorder at present site and datum, and Oct. 1, 1938 to Oct. 8, 1940, water-stage recorder at site 0.9 mi (1.4 km) downstream at datum 15.70 ft (4.785 m) lower.

AVERAGE DISCHARGE.--58 years (1910-12, 1915-16, 1917-19, 1920-68, 1971-75), 152 ft³/s (4.305 m³/s) (13.49 in/yr or 342.6 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,390 ft³/sec (67.7 m³/s) Jan. 29 (gage height, 8.50 ft or 2.591 m backwater from debris); minimum discharge, 32 ft³/s (0.91 m³/s) Oct. 29, Oct. 31 to Nov. 3; minimum gage height, 4.64 ft (1.414 m) August 20-21, 23.
Period of record: Maximum discharge at present site, 9,600 ft³/s (272 m³/s) June 23, 1972 (gage height, 14.85 ft (4.526 m), from floodmarks), from rating curve extended on basis of contracted-opening measurement of peak flow; minimum daily, 3 ft³/s (0.085 m³/s) Apr. 28, 1912.

REMARKS.--Records poor. Water quality records published in Section 2 of this report.

REVISIONS.--WSP 604: 1923-24. WSP 759 Drainage Area. WSP 894: 1935. WSP 1387: 1919. WRD N.Y. 1972: 1967, 1968.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	32	84	88	260	280	177	106	131	73	46	64
2	50	32	86	84	210	240	174	154	103	69	43	58
3	52	34	90	78	160	210	254	137	144	84	43	52
4	46	81	84	82	140	190	210	484	164	87	46	49
5	42	328	74	78	150	190	180	356	503	69	44	46
6	39	184	70	72	150	196	160	900	789	64	55	47
7	38	130	70	84	140	192	150	994	373	62	53	44
8	37	105	405	98	120	170	150	478	279	58	44	43
9	35	86	504	260	100	160	160	339	228	54	43	41
10	35	77	260	290	90	150	170	261	182	55	43	40
11	34	71	188	1,300	110	151	160	224	151	60	41	40
12	33	75	169	1,020	110	159	150	220	182	53	40	142
13	34	97	176	529	100	219	140	245	179	53	39	84
14	35	79	165	320	96	177	140	220	147	53	38	67
15	43	71	137	230	110	160	159	205	141	60	37	56
16	44	66	154	180	120	150	165	236	450	52	39	52
17	40	64	184	140	150	170	162	179	201	52	39	42
18	38	60	147	120	200	240	156	157	151	50	37	53
19	35	58	120	120	208	702	168	147	245	50	37	73
20	35	310	110	110	192	1,230	168	135	197	52	36	62
21	34	377	92	100	170	582	151	144	154	50	36	60
22	34	220	82	120	210	333	130	125	135	47	37	53
23	37	151	76	110	384	286	120	131	144	46	36	50
24	34	238	84	110	1,900	286	146	135	179	52	93	56
25	35	275	90	137	1,570	446	168	135	128	60	60	463
26	34	188	86	200	729	294	143	109	106	49	133	1,220
27	33	130	84	140	463	212	125	125	93	47	138	363
28	33	110	86	130	324	174	118	98	89	120	60	216
29	32	100	86	960	-----	186	113	87	84	58	60	154
30	33	92	88	799	-----	192	108	84	77	50	125	114
31	32	-----	84	346	-----	174	-----	84	-----	47	80	-----
TOTAL	1,159	3,921	4,215	8,435	8,666	8,501	4,675	7,434	6,129	1,836	1,701	3,904
MEAN	37.4	131	136	272	310	274	156	240	204	59.2	54.9	130
MAX	52	377	504	1,300	1,900	1,230	254	994	789	120	138	1,220
MIN	32	32	70	72	90	150	108	84	77	46	36	40
CFSM	.24	.86	.89	1.78	2.03	1.79	1.02	1.57	1.33	.39	.36	.85
IN.	.28	.95	1.02	2.05	2.11	2.07	1.14	1.81	1.49	.45	.41	.95
CAL YR 1974	TOTAL 55,463		MEAN 152	MAX 1,010	MIN 31	CFSM .99	IN 13.49					
WTR YR 1975	TOTAL 60,576		MEAN 166	MAX 1,900	MIN 32	CFSM 1.09	IN 14.73					

PEAK DISCHARGE (BASE, 2,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-11	1630	a 7.87	b 1,910	2-24	1430	a 8.41	2,360
1-29	1845	a 8.50	2,390	5-06	1715	a 8.31	2,290

a- Backwater from debris.

b- Below base.

STREAMS TRIBUTARY TO LAKE ONTARIO

04226000 KESHEQUA CREEK AT CRAIG COLONY, SONYEA, N.Y.

LOCATION.--Lat 42°40'50", long 77°49'45", Livingston County, on left bank 150 ft (46 m) upstream from bridge on private road, on grounds of Craig Colony at Sonyea, 700 ft (213 m) upstream from bridge on State Highway 36, and 2.5 mi (4.0 km) upstream from mouth.

DRAINAGE AREA.--68.8 mi² (178.2 km²) (revised).

PERIOD OF RECORD.--March 1911 to December 1913 (published as "at Sonyea"), September 1915 to December 1917 (published as "near Sonyea") seasonal records only. August 1917 to September 1932, November 1974 to September 1975. Occasional discharge measurements, water years 1954, 1957-62, 1964, and 1965.

GAGE.--Water-stage recorder and concrete dam. Altitude of gage is 604 ft (184.1 m) (from topographic map). Prior to Sept. 30, 1932, nonrecording gages at different sites and datum.

AVERAGE DISCHARGE.--15 years (1917-32), 49.7 ft³/s (1.408 m³/s) (9.81 in/yr or 249.2 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,810 ft³/s (51.3 m³/s) Feb. 25 (gage height, 3.71 ft or 1.131 m) from rating curve extended above 550 ft³/s (15.6 m³/s); minimum, 3.2 ft³/s (0.09 m³/s) Aug. 20 (gage height, 0.15 ft or 0.046 m).
Period of record: Maximum discharge, 5,940 ft³/s (168 m³/s) Mar. 14, 1918, May 22, 1919 (gage height 5.9 ft or 1.80 m, site and datum then in use); minimum, about 0.1 ft³/s (0.003 m³/s) Sept. 8-21, 1932, at site then in use.

REMARKS.--Records fair. Water quality records published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		7.6	18	45	58	135	76	38	72	14	5.7	12
2		7.7	23	37	48	98	74	117	34	12	5.3	9.4
3		8.0	22	35	47	80	180	60	37	21	4.8	8.3
4		18	21	41	39	72	100	246	31	20	5.7	6.7
5		74	18	36	44	72	82	181	210	14	6.7	6.2
6		39	23	32	50	70	68	641	445	11	7.2	9.4
7		26	22	36	38	66	64	332	130	10	11	7.7
8		22	182	35	33	62	66	117	86	9.4	7.2	5.7
9		18	188	201	50	58	86	78	60	8.8	5.7	5.3
10		16	72	139	44	56	82	60	40	8.8	4.8	4.8
11		15	46	534	47	52	74	51	32	8.8	4.8	5.3
12		16	48	193	47	53	62	46	47	7.7	4.4	12
13		25	63	93	50	95	54	46	46	7.7	4.4	12
14		18	57	54	48	63	50	40	34	8.8	4.4	8.8
15		16	49	46	44	53	50	36	34	14	4.4	7.7
16		15	74	47	44	57	47	42	250	8.3	4.8	7.2
17		14	144	46	44	96	42	33	57	7.7	5.7	7.7
18		13	81	42	929	146	39	30	37	6.7	4.4	8.3
19		12	51	44	878	442	40	28	289	6.2	4.0	14
20		86	44	42	335	505	39	25	106	9.4	3.6	10
21		108	35	29	77	229	35	24	53	11	3.6	12
22		50	37	34	75	183	33	22	38	7.2	4.0	8.8
23		32	34	34	285	141	31	27	31	6.2	4.0	7.2
24		50	70	33	1060	109	42	22	27	6.2	20	8.8
25		61	68	42	674	188	56	19	23	18	17	30
26		40	50	100	300	128	46	18	20	7.7	10	187
27		28	45	56	218	86	42	19	19	6.7	13	47
28		27	45	42	155	75	40	16	19	39	7.7	29
29		25	43	562	---	75	39	14	17	13	6.2	19
30		21	57	254	---	79	38	14	15	8.3	32	15
31		---	50	90	---	73	---	14	---	6.7	18	---
TOTAL												
MEAN		908.3	1780	3054	5761	3697	1777	2456	2339	344.3	244.5	532.3
MAX		30.3	57.4	98.5	206	119	59.2	79.2	78.0	11.1	7.89	17.7
MIN		108	188	562	1060	505	180	641	445	39	32	187
CFSM		7.6	18	29	33	52	31	14	15	6.2	3.6	4.8
IN.		.44	.83	1.43	2.99	1.73	.86	1.15	1.13	.16	.11	.26
		.49	.96	1.65	3.11	2.00	.96	1.33	1.26	.19	.13	.29

PEAK DISCHARGE (BASE, 1,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-29							
2-18	1915	3.62	1,720	3-19	1800	2.81	1,010
2-24	2200	3.29	1,410	5-06	1945	3.67	1,770
2-25	1630	3.36	1,470	6-05	2215	3.23	1,360
	0030	3.71	1,810				

STREAMS TRIBUTARY TO LAKE ONTARIO

04227000 CANASERAGA CREEK AT SHAKERS CROSSING, N.Y.

LOCATION.--Lat 42°44'13", long 77°50'26", Livingston County, on left bank 30 ft (9 m) upstream from bridge on State Highway 408 at Shakers Crossing, 1.3 mi (2.1 km) upstream from mouth, and 1.5 mi (2.4 km) northeast of Mount Morris.

DRAINAGE AREA.--333 mi² (862 km²).

PERIOD OF RECORD.--July 1915 to September 1922 (gage height only), November 1958 to September 1970, October 1974 to September 1975.

GAGE.--Water-stage recorder. Datum of gage is 545.52 ft (166.274 m) above mean sea level. Prior to October 1974, at site 30 ft (9 m) downstream at same datum. Prior to November 1958, at site 40 ft (12 m) downstream at datum 5.52 ft (1.682 m) lower. April 1968 to September 1970, and since October 1974, auxiliary water-stage recorder 0.6 mi (1.0 km) downstream from base gage.

AVERAGE DISCHARGE.--12 years (1959-70, 1975), 257 ft³/s (7.278 m³/s) (10.48 in/yr or 266.2 mm/yr).

EXTREMES.--Current year: Maximum discharge, 3,490 ft³/s (98.8 m³/s) Feb. 24 (gage height, 11.07 ft or 3.374 m); minimum, 29 ft³/s (0.82 m³/s) Aug. 20, 21 (gage height, 2.54 ft or 0.774 m).

Period of record: Maximum discharge, 4,430 ft³/s (125 m³/s) Apr. 26, 1961; maximum gage height, 23.62 ft (7.199 m) (present datum) May 17, 1916 (backwater from Genesee River); minimum discharge, 4.3 ft³/s (0.12 m³/s) Aug. 19, 1970 (gage height, 2.26 ft or 0.689 m), result of temporary regulation.

REMARKS.--Records fair except those for winter periods, which are poor. Water-quality records for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	66	46	140	220	330	240	400	203	263	119	54	104
2	78	46	140	210	600	460	370	433	234	110	51	89
3	84	48	150	200	300	700	470	355	221	121	46	78
4	74	82	140	210	270	560	520	618	280	154	48	64
5	68	420	130	200	300	420	440	1070	381	116	55	57
6	62	300	120	180	290	140	420	1330	1830	102	57	64
7	60	200	120	210	260	220	390	2140	940	95	85	60
8	58	170	435	250	210	570	400	1190	600	89	59	50
9	57	146	980	681	190	310	520	856	470	85	48	44
10	57	119	720	804	170	290	520	702	190	83	46	43
11	54	108	350	1890	220	290	500	598	90	89	48	200
12	52	102	330	2100	220	290	440	588	110	83	42	230
13	55	146	390	1400	200	490	380	711	270	78	38	92
14	57	136	370	240	190	350	330	525	240	80	42	78
15	69	108	340	340	210	370	360	312	240	98	34	85
16	76	97	369	370	240	310	350	358	710	80	36	66
17	69	97	624	300	252	420	320	297	390	71	44	66
18	59	87	450	260	430	620	310	257	240	67	40	64
19	54	83	320	250	520	940	330	240	600	64	33	100
20	51	234	280	230	380	2340	320	219	700	80	30	89
21	51	840	240	200	290	1600	290	215	340	80	30	85
22	49	420	210	190	350	1000	257	207	250	66	33	76
23	49	260	190	180	891	780	240	244	236	59	33	64
24	54	320	210	190	2920	640	267	221	309	57	133	69
25	51	410	230	220	3100	860	350	267	223	104	117	236
26	52	320	220	393	2200	880	290	181	191	71	73	1200
27	49	240	210	290	1600	490	252	185	163	59	257	1010
28	49	200	220	238	1100	490	231	161	154	183	102	400
29	46	180	220	1090	---	270	221	140	144	108	67	250
30	46	160	230	2030	---	430	209	135	129	71	179	180
31	48	---	220	1100	---	380	---	135	---	61	160	---
TOTAL	1804	6125	9298	16666	18233	18150	10697	15093	11138	2783	2120	5251
MEAN	58.2	204	300	538	651	585	357	487	371	89.8	68.4	175
MAX	84	840	980	2100	3100	2340	520	2140	1830	183	257	1200
MIN	46	46	120	180	170	140	209	135	90	57	30	43
CFSM	.17	.61	.90	1.62	1.95	1.76	1.07	1.46	1.11	.27	.21	.53
IN.	.20	.68	1.04	1.86	2.04	2.03	1.19	1.69	1.24	.31	.24	.59
WTR YR 1975	TOTAL	117358	MEAN	322	MAX	3100	MIN	30	CFSM	.97	IN	13.11

PEAK DISCHARGE (BASE, 3,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-11	2100	10.62	3,130	5-06	2215	10.45	3,020
2-24	1915	11.07	3,490				

STREAMS TRIBUTARY TO LAKE ONTARIO

04227500 GENESEE RIVER NEAR MOUNT MORRIS, N.Y.

LOCATION.--Lat 42°46'00", long 77°50'21", Livingston County, on right bank at Jones Bridge, 0.8 mi (1.3 km) downstream from Canaseraga Creek, and 2.8 mi (4.5 km) northeast of Mount Morris.

DRAINAGE AREA.--1,417 mi² (3,670 km²).

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."

GAGE.--Water-stage recorder. Datum of gage is 540.12 ft (164.629 m) above mean sea level. Prior to Sept. 11, 1915, nonrecording gage on bridge at datum 2.85 ft (0.869 m) lower.

AVERAGE DISCHARGE.--65 years (1908-13, 1915-75), 1,626 ft³/s (46.05 m³/s).

EXTREMES.--Current year: Maximum discharge, 7,900 ft³/s (224 m³/s) Jan. 13 (gage height, 12.26 ft or 3.737 m); minimum, 89 ft³/s (2.52 m³/s) Aug. 22 (gage height, 1.51 ft or 0.460 m).
 Period of record: Maximum discharge, 55,100 ft³/s (1,560 m³/s) May 17, 1916 (gage height, 25.44 ft or 7.754 m); minimum, 12 ft³/s (0.34 m³/s) July 23, 1955 (gage height, 0.22 ft or 0.067 m, partially obstructed intake); minimum daily, 30 ft³/s (0.85 m³/s) Aug. 8, 1909.

REMARKS.--Records good except those for winter periods, which are fair. Diurnal fluctuation at low flow caused by powerplant. Flow regulated to some extent by Rushford Lake (see station 04221991) 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. Water-quality records for the current year are published in Section 2 of this report.

REVISIONS (WATER YEARS).--WSP 1277: 1952. WSP 1387: 1913. WSP 1437: 1955. WRD N.Y. 1967: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	660	261	1110	1450	5660	7600	2670	1040	1320	569	270	980
3	760	332	1020	1320	6450	7190	2800	1520	1610	515	257	664
4	860	470	1420	1190	4140	7260	3050	1830	1210	510	241	525
5	960	558	1510	1270	1820	7780	4080	2190	1700	692	235	389
	860	2150	1300	1220	1500	7470	3050	4430	2070	799	225	344
6												
7	780	3410	1200	980	1400	6920	2970	3610	5640	569	251	336
8	720	2190	1240	1090	1100	6180	2950	4820	5700	480	312	336
9	664	1520	1680	1160	940	5210	2770	4140	5350	450	328	304
10	836	1390	6990	1810	800	2690	3050	4270	5150	425	304	274
	715	1240	4980	3230	700	1900	3230	4600	5320	389	287	251
11												
12	641	1110	2730	4980	720	1670	3130	4360	5750	376	192	238
13	624	1020	2270	7500	800	1550	2580	4460	5250	364	219	1260
14	619	1270	2270	7650	860	2300	2170	4910	4570	360	206	3230
15	619	1440	2220	7280	1060	2600	1910	3840	2940	344	203	1400
	652	1160	2050	4210	1170	1860	2310	1600	2160	348	195	1040
16												
17	721	1040	1950	2060	1210	1750	2580	1770	3200	328	195	669
18	806	948	2770	1820	1280	1810	2500	1970	3490	320	203	531
19	675	884	2580	1440	1970	3040	2130	1490	3190	308	216	490
20	500	836	1960	1690	2580	4130	2190	1320	3380	297	238	547
	300	1120	1680	1610	2220	5560	2460	1210	3640	304	219	785
21												
22	304	4850	1400	1140	1680	5640	2030	1120	3230	316	203	635
23	280	4130	1320	1060	1800	5170	1660	1020	2530	398	155	586
24	274	3580	1250	1220	3310	4910	1420	2150	1510	328	175	709
25	284	2220	1850	1200	6320	4750	1420	2220	1240	287	300	744
	264	3060	2250	1240	4840	5540	2100	2610	996	372	372	1120
26												
27	274	3060	2130	1810	4330	6460	1810	1990	844	664	320	4370
28	280	2020	1930	2270	5580	6750	1480	1590	738	465	558	5250
29	287	1610	1870	1610	6850	6600	1290	1600	860	608	602	6860
30	270	1480	1770	2670	---	6060	1190	1080	715	547	412	6460
31	267	1330	1780	6040	---	3500	1110	876	635	348	558	6160
	267	---	1790	5460	---	2880	---	792	---	312	1680	---
TOTAL												
MEAN	17023	51689	64270	80680	73090	144730	70090	76428	85938	13392	10131	47487
MAX	549	1723	2073	2603	2610	4669	2336	2465	2865	432	327	1583
MIN	960	4850	6990	7650	6850	7780	4080	4910	5750	799	1680	6860
	264	261	1020	980	700	1550	1110	792	635	287	155	238
CAL YR 1974	TOTAL	657966	MEAN	1803	MAX	7900	MIN	111				
WTR YR 1975	TOTAL	734948	MEAN	2014	MAX	7780	MIN	155				

04228500 GENESEE RIVER AT AVON, N.Y.

LOCATION.--Lat 42°55'04", long 77°45'27", Livingston County, on right bank 250 ft (76 m) downstream from bridge on U.S. Highway 20 (State Highway 5), 0.3 mi (0.5 km) west of Avon, and 0.8 mi (1.3 km) downstream from Conesus Creek.

DRAINAGE AREA.--1,667 mi² (4,318 km²).

PERIOD OF RECORD.--August 1955 to current year.

GAGE.--Water-stage recorder. Datum of gage is 500.11 ft (152.433 m) above mean sea level. Prior to Oct. 1, 1973, at datum 0.11 ft (0.034 m) lower.

AVERAGE DISCHARGE.--20 years, 1,858 ft³/s (52.62 m³/s).

EXTREMES.--Current year: Maximum discharge, 9,260 ft³/s (262 m³/s) Feb. 25 (gage height, 31.35 ft or 9.555 m); minimum, 156 ft³/s (4.42 m³/s) Aug. 23 (gage height, 14.14 ft or 4.310 m).

Period of record: Maximum discharge, 16,500 ft³/s (467 m³/s) June 25, 1972 (gage height, 40.67 ft or 12.396 m); minimum, 56 ft³/s (1.59 m³/s) Oct. 5, 1955 (gage height, 13.62 ft (4.151 m) present datum, from graph based on gage readings).

REMARKS.--Records good except those for winter periods, which are fair. Diurnal fluctuation at low flow caused by powerplant. Flow regulated to some extent by Rushford Lake (see sta 04221990) and at high flows, by Mount Morris Lake (see sta 04224000) and by Conesus Lake (see sta 04227980). Monthly figures of discharge and runoff August 1955 to September 1965 adjusted for change in contents in Rushford Lake and Mount Morris Lake. Water-quality records for the current year are published in Section 2 of this report.

REVISIONS.--WRD N.Y. 1967: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												1270
2	598	293	1170	1700	5370	7670	2730	1160	1020	750	342	813
3	684	286	1050	1470	6180	7590	2690	1240	1510	657	291	654
4	779	408	960	1230	5280	7180	2820	1740	1340	597	276	507
5	885	515	1300	1290	2600	7680	3850	1770	1350	645	267	414
	785	774	1200	1380	1720	7640	3440	3810	1610	840	258	
6												375
7	707	2700	1100	1190	1400	7200	2910	3960	3950	747	252	369
8	659	2540	1200	1130	1100	6550	3060	5410	5660	600	294	366
9	630	1640	1400	1250	960	6030	2870	4880	5330	528	342	324
10	723	1330	4470	1760	820	3890	2950	4140	5040	519	357	291
	825	1250	6480	3190	720	2210	3340	4520	4850	474	327	
11												270
12	695	1130	3380	3910	740	2000	3480	4390	5420	447	297	264
13	656	1040	2360	6950	800	1700	3200	4160	5260	429	219	2460
14	649	1030	2210	7720	900	2070	2620	4510	4750	420	237	1790
15	648	1320	2280	6000	1000	2690	2240	4650	3590	411	225	1180
	661	1200	2170	3500	1200	2200	2220	2470	2220	396	219	
16												893
17	699	1060	2060	2000	1400	1960	2590	1640	2820	399	213	660
18	780	978	2780	1500	1700	1900	2640	1920	3560	375	213	576
19	781	928	3010	1200	2310	2610	2420	1700	3170	366	228	567
20	671	888	2340	1200	3010	3830	2120	1440	3250	351	237	714
	474	936	1840	1300	2540	6550	2340	1320	4090	345	252	
21												768
22	331	2970	1610	1100	2020	6970	2190	1230	3420	360	234	678
23	337	4120	1380	1200	1970	5910	1850	1160	2840	384	216	636
24	317	3620	1370	1200	3000	5300	1590	1180	1910	426	171	828
25	310	2580	1530	1300	6720	4970	1470	2340	1470	357	228	798
	324	2410	2160	1340	8440	5440	1720	1810	1250	348	399	
26												2440
27	296	2790	2170	1480	5880	6430	1950	2390	1060	501	390	4440
28	304	2350	1980	2040	5720	6870	1650	1550	948	651	432	5880
29	314	1630	1870	1880	6520	6680	1440	1600	945	486	612	6280
30	314	1470	1810	2050	---	6650	1310	1260	929	690	531	5830
31	298	1350	1810	6110	---	4800	1240	1010	825	504	567	985
	293	---	1900	6060	---	3230	---	893	---	369	985	---
TOTAL	17427	47536	64350	76630	82020	154400	72940	77253	85387	15372	10111	43335
MEAN	562	1585	2076	2472	2929	4981	2431	2492	2846	496	326	1445
MAX	885	4120	6480	7720	8440	7680	3850	5410	5660	840	985	6280
MIN	293	286	960	1100	720	1700	1240	893	825	345	171	264
CAL YR	1974	TOTAL	674382	MEAN	1848	MAX	8040	MIN	116			
WTR YR	1975	TOTAL	746761	MEAN	2046	MAX	8440	MIN	171			

STREAMS TRIBUTARY TO LAKE ONTARIO

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04228950 CANADICE LAKE NEAR HEMLOCK, N.Y.

04229000 CANADICE OUTLET NEAR HEMLOCK, N.Y.

LOCATION.--Lake: Lat 42°44'27", long 77°34'20", Ontario County, at dam at outlet of Canadice Lake, 3.6 mi (5.8 km) upstream from point of diversion to Hemlock Lake, and 4 mi (6 km) southeast of Hemlock.
 Outlet: Lat 42°44'27", long 77°34'20", Ontario County, upstream from Weir, 60 ft (18.3 m) downstream from Dam.

DRAINAGE AREA.--12.4 mi² (32.1 km²).

PERIOD OF RECORD.--Lake: October 1970 to current year.
 Outlet: April 1903 to current year. Prior to October 1966, published as Candice Lake Outlet.

GAGE.--Nonrecording gage read once daily and whenever control gate is changed. Datum of gage is 1,093.00 ft (333.146 m) above mean sea level (furnished by city of Rochester).

AVERAGE DISCHARGE.--72 years, 11.5 ft³/s (0.326 m³/s) (unadjusted).

REMARKS.--Outflow from Canadice Lake diverted into Hemlock Lake for Rochester water supply. Flow regulated by gates at dam and augmented by pumping. Discharge computed by weir formula and from pumping records.

COOPERATION.--Records furnished by Department of Public Works, City of Rochester.

REVISIONS (WATER YEARS).--WRD N.Y. 1967: Drainage area. WRD N.Y. 1968: 1967.

MONTHEND ELEVATIONS, CONTENTS, AND MONTHLY DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	04228950 CANADICE LAKE			04229000 CANADICE OUTLET			
	† Elevation FT	Contents CU FT	Change in contents CFS	Observed discharge MEAN	‡ Adjusted for change in contents in Canadice Lake		
					MEAN	CFSM	IN.
October	1,091.94	281.32	-13.4	38.9	25.6	2.06	2.38
November	1,091.99	282.72	+ .54	0	.54	.04	.05
December	1,092.58	299.24	+ 6.17	19.7	25.8	2.08	2.40
CAL YR 1974			- .16	13.8	13.7	1.10	14.96
January	1,093.77	332.56	+12.4	0	12.4	1.00	1.16
February	1,096.13	404.16	+29.6	6.60	36.2	2.92	3.04
March	1,098.66	487.44	+31.1	0	31.1	2.51	2.89
April	1,098.78	491.52	+ 1.57	0	1.57	.13	.14
May	1,098.69	488.46	- 1.14	0	- 1.14	-.09	-.11
June	1,098.62	486.08	- .92	0	- .92	-.07	-.08
July	1,098.39	478.26	- 2.92	0	- 2.92	-.24	-.27
August	1,097.99	464.67	- 5.07	5.67	.60	.05	.06
September	1,096.59	418.88	-17.7	23.9	6.28	.51	.56
WTR YR 1975			+ 3.23	7.93	11.2	.90	12.22

† Elevation at 2400 hrs last day of month.

‡ Adjustments by Geological Survey. Negative figures indicate that natural losses from Canadice Lake exceeded inflow.

NOTE.--All figures of contents expressed in millions.

STREAMS TRIBUTARY TO LAKE ONTARIO

04229500 HONEOYE CREEK AT HONEOYE FALLS, N.Y.

LOCATION.--Lat 42°57'24", long 77°35'21", Monroe County, on right bank 25 ft (8 m) downstream from bridge on State Highway 65 at Honeoye Falls, and 13 mi (21 km) upstream from mouth.

DRAINAGE AREA.--195 mi² (505 km²).

PERIOD OF RECORD.--October 1945 to September 1970, October 1972 to current year.

GAGE.--Water-stage recorder. Datum of gage is 610.00 ft (185.928 m) above mean sea level. Prior to Sept. 30, 1970 water-stage recorder at same site at datum 609.76 ft (185.855 m) above mean sea level.

AVERAGE DISCHARGE.--28 years (1946-70, 1973-75), 112 ft³/s (3.172 m³/s).

EXTREMES.--Current year: Maximum discharge, 1,800 ft³/s (51.0 m³/s) Feb. 25 (gage height, 3.99 ft or 1.216 m); minimum, 0.15 ft³/s (0.004 m³/s) Aug. 17-18, 20-24 (gage height, 0.14 ft or 0.043 m).

Period of record: Maximum discharge, 4,630 ft³/s (131 m³/s) Mar. 28, 1950 (gage height, 6.42 ft or 1.957 m), from rating curve extended above 2,100 ft³/s (59.5 m³/s); minimum, 0.06 ft³/s (0.002 m³/s) Aug. 28, 1949.

REMARKS.--Records fair, except those for winter periods, which are poor. Outlet of Honeoye Lake not controlled (see station 04228845). Some diversion from and regulation by 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 (maximum capacity, 600 GPM (1.3 ft³/s or 0.037 m³/s) which enters Creek upstream from gage.

REVISIONS.--WRD N.Y. 1966: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	12	53	152	206	300	217	97	79	32	2.0	35
2	10	12	53	109	120	250	250	153	109	30	1.4	21
3	11	11	46	109	100	210	380	203	84	34	.98	15
4	19	13	74	124	88	190	540	256	91	35	.86	12
5	18	27	80	111	78	180	460	674	116	35	.76	10
6	14	50	78	92	70	180	450	680	584	29	1.1	8.8
7	11	46	81	106	64	190	450	1050	470	25	1.1	7.7
8	9.6	37	126	95	60	335	440	883	260	23	.76	7.3
9	13	31	515	400	54	180	420	680	268	23	.76	7.0
10	15	27	395	556	54	150	400	560	244	23	.76	5.2
11	15	25	234	585	56	130	450	485	156	23	.86	3.9
12	14	25	173	715	56	140	518	430	135	25	.76	4.9
13	13	33	221	435	58	320	415	395	138	21	.56	4.5
14	13	48	254	180	62	236	345	365	112	18	.34	7.0
15	13	41	224	150	62	146	410	224	103	16	.24	7.7
16	16	34	224	130	62	165	410	228	340	15	.19	7.0
17	18	32	458	110	66	196	375	213	345	12	.19	6.6
18	17	30	382	110	292	310	325	174	203	10	.41	8.0
19	15	29	230	98	360	340	345	153	288	9.2	.24	12
20	13	33	173	90	220	708	280	128	650	8.8	.15	13
21	13	80	126	82	177	500	206	121	415	13	.15	13
22	12	200	135	76	272	360	168	119	236	16	.15	13
23	13	160	119	78	524	340	148	101	171	12	.15	11
24	13	100	208	80	1040	330	148	87	140	11	2.7	10
25	14	140	217	84	1610	400	156	79	121	9.2	3.6	14
26	15	120	162	120	1020	300	135	70	103	8.0	9.6	330
27	14	82	152	110	614	230	119	77	84	9.2	12	490
28	14	77	140	101	350	220	107	66	72	7.7	17	260
29	13	74	126	315	---	240	101	54	55	5.6	14	151
30	12	68	142	869	---	260	99	48	41	3.9	30	109
31	12	---	181	405	---	224	---	49	---	2.7	57	---
TOTAL	423.6	1697	5782	6777	7795	8260	9267	8902	6213	545.3	160.77	1604.6
MEAN	13.7	56.6	187	219	278	266	309	287	207	17.6	5.19	53.6
MAX	19	200	515	869	1610	708	540	1050	650	35	57	490
MIN	9.6	11	46	76	54	130	99	48	41	2.7	.15	3.0
CAL YR 1974	TOTAL	37044.13	MEAN	101	MAX	848	MIN	.51				
WTR YR 1975	TOTAL	57427.27	MEAN	157	MAX	1610	MIN	.15				

04230380 OATKA CREEK AT WARSAW, N.Y.

LOCATION.--Lat 42°44'39", long 78°08'16", Wyoming County, on right bank 400 ft (122 m) downstream from bridge on Court St., Warsaw.

DRAINAGE AREA.--41.9 mi² (109 km²).

PERIOD OF RECORD.--December 1963 to current year.

GAGE.--Water-stage recorder. Datum of gage is 987.15 ft (300.883 m) above mean sea level (levels by Corps of Engineers).

AVERAGE DISCHARGE.--11 years (1964-75), 49.4 ft³/s (1.399 m³/s) (16.01 in/yr or 406.7 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,630 ft³/s (46.2 m³/s) Jan. 29 (gage height, 6.74 ft or 2.054 m); minimum discharge, 2.6 ft³/s (0.074 m³/s) Aug. 20-22, Sept. 11; minimum gage height, 1.18 ft (0.360 m) Oct. 12.

Period of record: Maximum discharge, 4,010 ft³/s (114 m³/s) June 23, 1972 (gage height, 9.75 ft or 2.972 m), from rating curve extended above 1,770 ft³/s (50.1 m³/s) on basis of slope-area measurement of peak flow; minimum, 0.90 ft³/s (0.025 m³/s) Aug. 1, 1965; minimum gage height, 1.09 ft (0.332 m) July 22-23, 1974.

REMARKS.--Records fair except those for winter periods, which are poor. Water quality records published in Section 2 of this report.

REVISIONS.--WRD N.Y. 1966: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.9	5.3	43	44	86	84	80	38	62	15	8.6	12
2	22	5.3	52	46	72	70	73	43	51	14	7.9	8.5
3	17	6.0	97	64	60	62	122	45	43	16	7.3	7.1
4	11	16	61	40	50	56	60	134	43	23	6.6	4.8
5	8.6	41	45	38	46	58	62	92	101	20	6.6	4.3
6	6.6	29	38	52	43	62	60	226	101	16	8.6	5.3
7	5.3	18	39	39	41	75	62	163	67	14	12	5.9
8	5.3	13	62	39	38	76	66	80	58	12	9.9	4.8
9	5.3	11	101	105	35	68	74	70	49	12	7.3	3.4
10	5.3	9.2	69	105	34	62	82	62	41	12	6.0	3.0
11	4.8	8.6	52	499	33	58	90	55	35	13	5.3	3.0
12	4.8	9.9	49	179	33	78	87	49	37	12	5.3	3.4
13	5.3	14	59	88	33	184	75	49	46	11	4.2	4.3
14	9.2	11	61	72	33	92	85	46	39	11	4.8	4.8
15	14	11	53	62	35	78	128	44	34	11	4.8	3.8
16	11	11	80	54	39	82	138	41	176	9.9	4.2	3.4
17	7.9	11	103	45	49	82	116	39	70	11	4.2	3.8
18	6.0	11	70	42	101	116	114	35	55	9.2	3.6	3.8
19	4.8	11	64	37	78	403	149	32	234	9.2	3.2	12
20	4.8	92	48	35	61	496	92	30	90	14	2.6	8.5
21	4.2	120	52	33	69	167	73	34	62	22	2.6	7.1
22	4.2	59	40	34	84	143	62	37	45	19	3.2	6.5
23	4.8	40	52	35	250	132	56	72	32	14	3.2	6.5
24	4.8	73	70	37	702	176	67	55	25	13	29	6.5
25	6.6	73	64	48	421	208	72	39	20	18	14	9.2
26	6.6	44	59	78	132	114	62	29	17	15	8.6	53
27	5.3	48	67	55	106	92	52	28	19	13	13	25
28	4.8	31	46	58	99	84	46	24	19	16	6.5	17
29	4.8	29	45	575	---	105	43	21	17	14	4.8	12
30	5.3	28	48	245	---	94	40	20	17	11	51	8.5
31	6.0	---	58	118	---	80	---	20	---	9.9	21	---
TOTAL	226.3	889.3	1847	3011	2863	3737	2388	1752	1705	430.2	279.9	261.2
MEAN	7.30	29.6	59.6	97.1	102	121	79.6	56.5	56.8	13.9	9.03	8.71
MAX	22	120	103	575	702	496	149	226	234	23	51	53
MIN	4.2	5.3	38	33	33	56	40	20	17	9.2	2.6	3.0
CFSM	.17	.71	1.42	2.32	2.43	2.89	1.90	1.35	1.36	.33	.22	.21
IN.	.20	.79	1.64	2.67	2.54	3.32	2.12	1.56	1.51	.38	.25	.23
CAL YR 1974	TOTAL	16951.5	MEAN 46.4	MAX 841	MIN 1.4	CFSM 1.11	IN 15.05					
WTR YR 1975	TOTAL	19389.9	MEAN 53.1	MAX 702	MIN 2.6	CFSM 1.27	IN 17.21					

PEAK DISCHARGE (BASE, 690 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-11	1515						
1-29	1530	4.39	787	2-24	2100	5.04	1010
		6.74	1630	3-20	0015	4.38	784

04230500 OATKA CREEK AT GARBUTT, N.Y.

LOCATION.--Lat 43°00'36", long 77°47'30", Monroe County, on right bank 40 ft (12 m) downstream from bridge on Union Street in Garbutt, 1.5 mi (2.4 km) west of Scottsville, and 4.0 mi (6.4 km) upstream from mouth.

DRAINAGE AREA.--204 mi² (528 km²).

PERIOD OF RECORD.--October 1945 to current year.

GAGE.--Water-stage recorder. Datum of gage is 560.89 ft (170.959 m) above mean sea level (levels by Corps of Engineers).

AVERAGE DISCHARGE.--30 years, 202 ft³/s (5.721 m³/s) (13.45 in/yr 341.6 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,310 ft³/s (65.4 m³/s) Feb. 26 (gage height, 5.84 ft or 1.780 m); minimum, 37 ft³/s (1.05 m³/s), Aug 20-24, 28, 29 (gage height, 2.34 ft or 0.713 m).

Period of record: Maximum discharge, 7,050 ft³/s (200 m³/s) Mar. 31, 1960 (gage height, 8.64 ft or 2.633 m); minimum, 3.3 ft³/s (0.093 m³/s) Sept. 11, 12, 1958; minimum gage height, 1.88 ft (0.573 m) June 19, 1959, result of regulation; minimum daily discharge, 13 ft³/s (0.37 m³/s) Oct. 30 to Nov. 1, 1966.

REMARKS.--Records good except those for winter periods, which are fair. Records of water-quality for the current year are published in section 2 of this report.

REVISIONS.--WRD N.Y. 1966: Drainage area. WRD N.Y. 1971: 1960(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	39	123	262	789	500	395	198	123	94	45	106
2	44	39	123	240	455	430	375	194	126	91	45	63
3	45	39	97	208	310	360	380	201	141	89	45	49
4	45	41	120	226	258	300	380	233	123	89	49	44
5	49	74	120	233	230	310	260	375	162	84	47	41
6	47	129	126	212	220	330	310	455	236	89	51	41
7	44	123	123	205	200	339	340	652	262	79	47	39
8	42	103	144	208	190	425	370	685	215	74	45	39
9	42	84	306	286	180	360	400	490	171	72	44	39
10	41	74	348	515	177	340	415	326	147	72	41	39
11	41	67	330	620	180	320	440	274	129	79	41	39
12	41	67	294	1,100	177	306	495	247	129	69	41	42
13	41	72	290	1,000	168	495	500	243	147	67	39	41
14	44	77	318	547	153	558	460	236	153	65	41	41
15	44	77	322	318	156	455	531	219	153	65	57	39
16	42	74	318	266	159	366	624	205	240	63	67	41
17	42	72	531	240	168	353	635	198	282	61	41	42
18	44	69	515	220	266	440	569	191	270	59	39	44
19	44	69	435	200	430	641	515	184	286	57	39	42
20	42	103	348	180	400	1,360	485	180	510	57	39	42
21	41	262	294	170	344	1,800	420	201	480	59	37	41
22	41	375	262	170	420	1,030	339	180	339	57	37	41
23	42	330	243	165	690	690	298	184	215	59	37	42
24	41	266	282	165	1,110	613	286	177	168	61	45	45
25	41	236	348	168	1,990	701	290	180	150	63	41	45
26	39	258	335	194	1,940	729	286	150	132	59	41	61
27	39	212	298	233	933	608	254	132	123	55	45	100
28	39	165	270	222	620	455	233	123	114	57	39	103
29	39	150	258	353	-----	425	219	114	106	51	39	72
30	39	141	250	1,210	-----	465	205	108	100	49	86	57
31	39	-----	270	1,480	-----	445	-----	103	-----	47	111	-----
TOTAL	1,306	3,887	8,441	11,816	13,313	16,949	11,709	7,638	5,932	2,092	1,461	1,515
MEAN	42.1	130	272	381	475	547	390	246	198	67.5	47.1	50.5
MAX	49	375	531	1,480	1,990	1,800	635	685	510	94	111	106
MIN	39	39	97	165	153	300	205	103	100	47	37	39
CFSM	.21	.64	1.33	1.87	2.33	2.68	1.91	1.21	.97	.33	.23	.25
IN*	.24	.71	1.54	2.15	2.43	3.09	2.14	1.39	1.08	.38	.27	.28

CAL YR 1974 TOTAL 83,932 MEAN 230 MAX 2,180 MIN 39 CFSM 1.13 IN 15.31
 WTR YR 1975 TOTAL 86,059 MEAN 236 MAX 1,990 MIN 37 CFSM 1.16 IN 15.69

PEAK DISCHARGE (BASE, 1,500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-31	0600	5.21	1,630	3-21	0815	5.52	1,940
2-26	0200	5.84	2,310				

STREAMS TRIBUTARY TO LAKE ONTARIO

04230650 GENESEE RIVER AT BALLANTYNE BRIDGE NEAR MORTIMER, N.Y.

LOCATION.--Lat 43°05'26", long 77°40'52", Monroe County, on right bank 400 ft (120m) upstream from Ballantyne Bridge on State Highway 252, 1.6 mi (2.6 km) west of Mortimer, and 2.8 mi (4.5 km) upstream from Erie (Barge) Canal.

DRAINAGE AREA.--2,206 mi² (5714 km²).

PERIOD OF RECORD.--October 1973 to current year.

GAGE.--Water-stage recorder. Datum of gage is 500.00 ft (152.400 m) above mean sea level.

EXTREMES.--Current year: Maximum gage height, 16.46 ft (5.017 m) Feb. 25; minimum, 10.17 ft (3.100 m) Jan. 21.
Period of record: Maximum gage height, 16.46 ft (5.017 m) Feb. 25, 1975; minimum, 8.21 ft (2.502 m) Dec. 20, 1973.

REMARKS.--River regulated at high-stages by Mount Morris Lake (see sta. 04224000). River regulated for operation of Erie (Barge) Canal and downstream power plants. Water-quality records for the current year are published in Section 2 of this report.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.01	11.78	11.18	10.98	13.58	14.57	12.13	12.07	12.07	12.12	11.90	12.00
2	12.05	11.77	11.33	10.75	13.63	14.46	11.89	12.01	12.30	12.11	11.83	11.96
3	12.00	11.76	11.65	10.68	13.41	14.24	12.10	12.26	12.20	12.11	11.84	12.09
4	12.10	11.79	11.89	10.80	12.23	14.30	11.87	12.12	12.19	12.00	11.96	12.07
5	12.10	11.86	11.53	10.92	12.18	14.32	11.78	12.93	12.19	12.04	11.98	12.07
6												
7	11.99	12.35	11.54	10.75	12.07	14.15	11.10	12.90	12.65	12.14	11.99	11.99
8	12.10	12.39	11.44	10.69	12.05	13.88	10.91	13.30	13.37	12.06	12.09	11.91
9	12.13	12.19	11.01	10.61	11.78	13.86	10.83	13.27	13.26	12.05	11.95	11.99
10	12.14	12.01	12.65	10.96	11.89	13.11	11.24	12.95	13.19	12.11	11.99	11.95
	12.13	12.09	13.82	11.87	12.03	12.35	11.76	12.97	13.04	12.05	12.00	11.90
11												
12	12.09	12.04	11.63	12.12	12.06	12.40	12.66	12.85	13.17	12.09	12.02	12.05
13	12.07	11.91	11.01	13.54	12.15	12.19	12.95	12.69	13.25	11.97	11.58	11.81
14	12.02	11.90	11.27	14.05	12.11	12.32	12.71	13.00	13.00	12.02	11.50	12.21
15	12.02	11.29	11.30	13.80	12.13	12.60	12.10	13.19	12.75	12.13	11.49	12.06
	12.03	11.55	11.31	12.90	12.13	12.34	11.84	12.34	12.39	12.08	11.41	12.06
16												
17	12.07	11.28	11.25	11.04	12.13	12.24	12.37	12.24	12.69	12.09	11.40	11.84
18	12.13	11.44	11.76	10.81	12.05	12.14	12.59	12.31	12.92	12.06	11.51	11.44
19	11.96	11.87	11.95	11.15	11.32	12.23	12.17	12.25	12.71	12.13	11.52	11.92
20	11.94	11.81	11.54	10.77	12.46	12.56	11.64	12.07	12.74	12.09	11.38	11.86
	12.04	11.90	11.14	10.69	12.58	14.35	11.42	12.16	13.16	12.04	11.47	11.79
21												
22	11.91	12.29	11.02	10.27	12.43	15.32	11.57	12.20	12.87	12.12	11.56	11.91
23	11.93	12.77	10.90	10.98	12.52	14.44	11.80	12.22	12.58	11.93	11.51	11.97
24	11.99	12.63	10.87	11.69	12.96	13.71	11.18	12.01	12.12	11.91	11.32	11.96
25	12.02	12.35	10.85	12.22	14.50	13.65	11.16	12.26	12.18	11.84	11.37	12.02
	12.11	12.42	11.23	12.00	16.27	13.85	11.99	12.21	12.11	11.94	11.44	12.04
26												
27	12.07	12.54	11.11	12.14	13.37	14.21	11.89	12.28	12.07	11.99	11.47	11.98
28	11.92	12.32	11.04	12.37	14.39	14.28	11.80	12.08	12.06	12.08	11.97	12.41
29	12.01	12.01	11.00	12.21	14.24	14.08	12.13	12.04	12.16	12.09	11.99	12.69
30	12.09	12.18	10.97	11.73	---	14.05	12.04	11.95	12.13	12.13	11.90	13.10
31	11.37	11.97	10.93	13.67	---	13.38	12.07	12.02	12.06	12.05	11.86	12.87
	11.67	---	11.01	14.30	---	12.71	---	11.94	---	11.98	12.00	---
MEAN	12.01	12.02	11.39	11.72	12.74	13.49	11.86	12.42	12.59	12.05	11.72	12.06
MAX	12.14	12.77	13.82	14.30	16.27	15.32	12.95	13.30	13.37	12.14	12.09	13.10
MIN	11.37	11.28	10.85	10.27	11.32	12.14	10.83	11.94	12.06	11.84	11.32	11.44
WTR YR 1975	MEAN 12.17		MAX 16.27		MIN 10.27							
CAL YR 1974	MEAN 11.96		MAX 15.76		MIN 8.73							

STREAMS TRIBUTARY TO LAKE ONTARIO

04231000 BLACK CREEK AT CHURCHVILLE, N.Y.

LOCATION.--Lat 43°06'02", long 77°52'57", Monroe County, on right bank at east end of Carrol Street in Churchville, 100 ft (30 m) downstream from main-line tracks of Penn Central Transportation Co., and 0.3 mi (0.5 km) downstream from Black Creek Dam.

DRAINAGE AREA.--123 mi² (319 km²).

PERIOD OF RECORD.--October 1945 to current year.

GAGE.--Water-stage recorder. Datum of gage is 552.45 ft (168.387 m) above mean sea level (levels by Corps of Engineers).

AVERAGE DISCHARGE.--30 years, 110 ft³/s (3.115 m³/s) (12.14 in/yr or 308.4 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,630 ft³/s (46.2 m³/s) Feb. 25 (gage height, 6.16 ft or 1.878 m); minimum, 5.0 ft³/s (0.14 m³/s) Aug. 19-20 (gage height, 1.44 ft or 0.439 m).

Period of record: Maximum discharge, 4,880 ft³/s (138 m³/s) Mar. 31, 1960 (gage height, 9.44 ft or 2.877 m); minimum, 0.22 ft³/s (0.006 m³/s) Aug. 19, 1970; minimum gage height, 0.93 ft (0.283 m) Aug. 5-7, Sept. 15, 1959.

REMARKS.--Records fair. Prior to May 1952, small diversion by Penn Central Transportation Co. and slight regulation by pumping operations upstream from station. Water-quality records for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	23	42	150	442	289	198	99	62	23	9.8	38
2	28	22	48	130	206	242	182	101	71	22	9.3	25
3	33	22	43	102	127	186	182	102	68	22	9.3	23
4	31	26	55	148	90	161	136	122	64	25	10	21
5	27	42	58	157	84	155	102	186	82	22	11	19
6	24	55	58	144	84	163	134	242	126	19	11	19
7	22	55	57	126	80	164	182	279	150	19	12	16
8	19	43	79	126	70	202	228	316	126	17	11	13
9	19	34	144	194	70	198	274	230	87	15	9.3	8.3
10	19	30	186	276	68	174	287	155	64	18	8.3	7.4
11	19	28	209	341	66	155	308	126	50	18	9.3	7.4
12	19	30	180	300	70	136	349	109	62	18	9.3	9.3
13	18	40	159	249	66	168	367	102	93	18	8.8	9.3
14	22	47	176	140	62	221	332	101	85	18	7.4	9.3
15	26	45	194	80	68	178	321	96	71	16	7.0	8.8
16	28	38	221	80	72	155	352	90	131	14	7.4	8.8
17	26	39	313	74	82	157	347	82	143	13	7.4	9.3
18	22	42	413	70	136	196	305	79	136	12	7.0	9.3
19	21	40	385	79	217	316	261	75	164	13	5.8	12
20	19	57	261	79	349	770	215	69	289	15	5.4	13
21	17	104	188	66	382	1130	186	62	388	35	5.8	13
22	18	132	150	55	379	671	157	61	226	42	6.1	13
23	16	136	143	55	583	407	141	57	94	24	6.1	11
24	17	119	186	55	1040	361	137	51	58	21	11	12
25	19	107	259	66	1510	413	143	45	47	22	16	17
26	21	101	230	90	1180	501	141	45	41	20	13	28
27	20	81	190	94	576	335	129	41	35	18	12	28
28	20	65	163	87	370	242	119	38	30	15	11	23
29	19	59	150	155	---	213	109	35	28	13	9.3	18
30	21	57	163	259	---	226	104	38	26	11	14	19
31	22	---	170	548	---	226	---	45	---	10	34	---
TOTAL	676	1719	5273	4575	8529	9111	6428	3279	3097	588	314.1	468.2
MEAN	21.8	57.3	170	148	305	294	214	106	103	19.0	10.1	15.6
MAX	33	136	413	548	1510	1130	367	316	388	42	34	38
MIN	16	22	42	55	62	136	102	35	26	10	5.4	7.4
CFSM	.18	.47	1.38	1.20	2.48	2.39	1.74	.86	.84	.15	.08	.13
IN.	.20	.52	1.59	1.38	2.58	2.76	1.94	.99	.94	.18	.09	.14

CAL YR 1974 TOTAL 50396.0 MEAN 138 MAX 1410 MIN 15 CFSM 1.12 IN 15.24
WTR YR 1975 TOTAL 44057.3 MEAN 121 MAX 1510 MIN 5.4 CFSM .98 IN 13.32

PEAK DISCHARGE (BASE, 800 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
2-25	1530	6.16	1,630	3-21	0530	5.44	1,180

04232000 GENESEE RIVER AT ROCHESTER, N.Y.

LOCATION.--Lat 43°10'50", long 77°37'40", Monroe County, on right bank 40 ft (12 m) downstream from plant 5 of Rochester Gas and Electric Corp., 100 ft (30 m) upstream from bridge on Driving Park Avenue in Rochester, and 6.1 mi (9.8 km) upstream from mouth.

DRAINAGE AREA.--2,457 mi² (6,364 km²).

PERIOD OF RECORD.--April 1904 to September 1918, December 1919 to current year. Published as "at Driving Park Avenue" 1919-68.

GAGE.--Water-stage recorder. Datum of gage is 246.24 ft (75.054 m) above mean sea level (247 ft or 75 m, Barge Canal datum). April 1904 to December 1910, nonrecording gage and December 1910 to September 1918, water-stage recorder at site 5 mi (8 km) upstream at datum 506.85 ft (154.488 m), 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 250 ft (76 m), Barge Canal datum.

AVERAGE DISCHARGE.--68 years (1905-18, 1920-75), 2,725 ft³/s (77.17 m³/s) (15.06 in/yr or 382.5 mm/yr).

EXTREMES.--Current year: Maximum discharge, 18,000 ft³/s (510 m³/s) Feb. 25 (gage height, 12.59 ft or 3.837 m); minimum, 58 ft³/s (1.64 m³/s) Oct. 29 (gage height, 0.61 ft or 0.186 m), result of regulation.

Period of record: Maximum discharge, 48,300 ft³/s (1,370 m³/s) Mar. 30, 1916 (gage height, 15.3 ft (4.66 m), site and datum then in use); maximum at present site, 34,400 ft³/s (974 m³/s) Mar. 19, 1942; maximum gage height, 17.08 ft (5.206 m) Apr. 2, 1940 (present datum); minimum discharge, less than 10 ft³/s (0.28 m³/s), occurred during low-water periods when powerplant was shut down; minimum daily, 91 ft³/s (2.58 m³/s) Jan. 9, 29, Feb. 1, 8, 1961.
Maximum discharge known, about 54,000 ft³/s (1,530 m³/s) Mar. 18, 1865.

REMARKS.--Records poor. Extensive diurnal fluctuation caused by powerplants upstream from station. New York State Erie (Barge) Canal crosses river 5.4 mi (8.7 km) 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 and Mount Morris Lake. Water-quality records for the current year are published in Part 2 of this report.

REVISIONS.--WRD N.Y. 1967: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	1030	1000	2170	3400	8430	10900	4370	1840	1930	1190	623	2690
3	1200	1030	1740	2900	8570	10500	3760	1940	2420	1360	613	1760
4	1400	1100	1700	2540	7540	9820	4210	2480	2580	1070	539	1280
5	1290	1340	1620	2550	3850	9930	4820	2890	2200	1390	471	1280
	1290	1640	1940	2870	2540	10000	4700	4880	3040	1380	490	1060
6												
7	1310	3260	1840	2750	2430	9660	4250	6120	5160	1310	478	1170
8	979	4050	2140	2550	2370	9030	4300	7780	7670	1230	543	1110
9	1030	2820	2540	2530	1960	8760	4340	7490	7220	1110	824	964
10	1080	2370	5170	3300	1320	6560	4340	6370	6540	970	769	1200
	1290	2100	10300	5960	1510	3730	4600	6290	6220	1100	774	891
11												
12	1310	2050	6470	6780	1500	3190	5000	5990	6320	1000	1100	930
13	963	2200	4020	10100	1610	3000	4990	5490	6720	1020	1070	1120
14	1100	2130	3850	11300	1920	3240	4480	5490	6080	773	1010	2640
15	1320	2470	4330	10800	1650	4320	4260	6130	5050	904	1040	2960
	1170	2390	4100	8840	1650	3710	3860	4360	3760	908	819	1530
16												
17	1090	2220	4220	4470	1820	3390	4070	2690	4820	950	978	1530
18	1320	1870	5730	2920	2160	3290	4290	3040	5440	928	869	998
19	1370	1720	6310	2340	3320	3840	4270	3040	4770	746	963	1110
20	1100	1790	4970	2770	4330	5500	3860	2720	4690	965	921	1250
	925	2320	4010	2440	4500	10500	3600	2230	6440	868	1020	1030
21												
22	862	4210	3280	1620	3710	12500	3500	2360	5730	1010	930	1610
23	595	6500	2830	1140	3940	10800	3000	2030	4690	892	1210	1090
24	649	5880	2850	1530	5870	8160	2870	2500	4010	1010	1030	1270
25	539	4840	2940	1740	11200	7310	2410	3160	2820	930	1410	1330
	619	3960	3950	2050	16200	8000	2310	2890	2230	861	1310	1710
26												
27	632	4560	4210	1930	13600	8970	3020	3620	2000	856	1270	3230
28	702	4220	3680	2650	10700	9380	2600	2700	1730	1120	993	5910
29	478	2830	3470	2710	10100	8510	2250	2390	1430	1040	1400	6580
30	607	2400	3340	3330	---	8570	2140	2310	1720	1170	1490	7440
31	1560	2720	3400	9050	---	6780	1980	1710	1550	840	1470	7090
	923	---	3320	10000	---	4570	---	1730	---	655	1440	---
TOTAL												
MEAN	31733	83990	116440	131860	140300	226320	112450	116660	126980	31556	29867	65763
MAX	1024	2800	3756	4254	5011	7301	3748	3763	4233	1018	963	2192
MIN	1560	6500	10300	11300	16200	12500	5000	7780	7670	1390	1490	7440
	478	1000	1620	1140	1320	3000	1980	1710	1430	655	471	891
CAL YR 1974	TOTAL	1126056	MEAN	3085	MAX	13600	MIN	464				
WTR YR 1975	TOTAL	1213919	MEAN	3326	MAX	16200	MIN	471				

STREAMS TRIBUTARY TO LAKE ONTARIO

04232047 IRONDEQUOIT CREEK AT EAST ROCHESTER, N.Y.

LOCATION.--Lat 43°07'15", long 77°28'38", Monroe County, on left bank 200 ft (61 m) upstream from bridge on Linden Avenue, 2.2 mi (3.5 km) upstream from Allen Creek, and 6.9 mi (11.1 km) upstream from mouth.

DRAINAGE AREA.--92.8 mi² (240 km²).

PERIOD OF RECORD.--August 1973 to current year.

GAGE.--Water-stage recorder. Datum of gage is 341.46 ft (104.077 m) above mean sea level.

EXTREMES.--Current year: Maximum discharge, 1,480 ft³/s (41.9 m³/s) Oct. 29 (gage height, 15.64 ft or 4.767 m); minimum, 25 ft³/s (0.71 m³/s) Sept. 9,10,11 (gage height, 11.27 ft or 3.435 m).

Period of record: Maximum discharge, 1,480 ft³/s (41.9 m³/s) Oct. 29, 1974 (gage height, 15.64 ft or 4.767 m); minimum, 25 ft³/s (0.71 m³/s) Sept. 9,10,11, 1975 (gage height, 11.27 ft or 3.435 m).

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	91	99	163	153	240	127	89	181	65	52	66
2	74	88	114	146	117	205	122	122	99	63	53	65
3	109	91	115	135	101	171	209	115	107	64	60	52
4	93	106	110	151	85	148	183	207	89	64	65	42
5	78	144	114	153	89	140	146	320	136	61	58	38
6	71	129	117	131	86	138	167	255	188	61	65	41
7	66	115	112	131	82	161	173	339	131	61	63	40
8	64	93	200	135	74	212	183	179	114	65	60	34
9	65	78	342	300	75	151	207	127	138	110	68	27
10	64	75	245	344	77	135	235	114	96	83	68	27
11	58	77	181	252	74	125	280	101	73	61	71	27
12	53	99	169	207	71	120	302	99	101	52	63	30
13	53	142	198	171	71	146	242	115	99	51	59	30
14	66	118	218	148	70	129	223	109	86	53	54	29
15	65	104	205	122	71	109	235	106	85	58	52	29
16	58	95	255	117	77	115	205	110	413	48	53	35
17	56	91	390	101	104	144	167	99	255	49	53	37
18	52	89	312	95	225	196	142	92	140	53	52	54
19	51	89	221	93	247	285	133	88	150	52	56	70
20	51	198	163	85	183	497	112	82	185	70	54	58
21	52	265	140	92	181	399	101	86	118	91	61	44
22	53	212	150	75	288	263	109	85	96	69	66	40
23	56	157	144	66	416	237	106	77	85	63	64	38
24	60	203	177	65	565	216	112	74	95	68	151	42
25	65	194	196	81	745	255	106	71	85	101	96	95
26	66	161	175	99	463	218	96	70	74	61	89	288
27	66	135	159	78	283	151	88	71	69	56	99	150
28	66	118	148	77	242	135	83	71	68	58	71	88
29	307	112	144	257	---	148	95	78	64	53	63	66
30	150	104	165	473	---	153	85	77	70	52	86	56
31	99	---	190	221	---	135	---	77	---	51	79	---
TOTAL	2339	3773	5668	4764	5315	5877	4774	3705	3690	1967	2104	1738
MEAN	75.5	126	183	154	190	190	159	120	123	63.5	67.9	57.9
MAX	307	265	390	473	745	497	302	339	413	110	151	288
MIN	51	75	99	65	70	109	83	70	64	48	52	27
CAL YR 1974	TOTAL	39860	MEAN	109	MAX	1040	MIN	34				
WTR YR 1975	TOTAL	45714	MEAN	125	MAX	745	MIN	27				

PEAK DISCHARGE (BASE, 570 CFS REVISED)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
10-29	1900	15.64	1,480	2-25	0915	14.14	775
01-30	0030	13.65	574				

04232050 ALLEN CREEK NEAR ROCHESTER, N.Y.

LOCATION.--Lat 43°07'49", long 77°31'08", Monroe County, on right bank 525 ft (160 m) downstream from Penn Central Transportation Co. bridge, near Rochester, about 1 mi (2 km) upstream from Irondequoit Creek.

DRAINAGE AREA.--30.1 mi² (78.0 km²), flow from 2.1 mi² (5.44 km²) not contributing.

PERIOD OF RECORD.--November 1959 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 323.54 ft (98.615 m) above mean sea level.

AVERAGE DISCHARGE.--15 years (1960-75), 31.8 ft³/s (0.900 m³/s).

EXTREMES.--Current year: Maximum discharge, 741 ft³/s (21.0 m³/s) June 16 (gage height, 4.43 ft or 1.350 m); minimum, 3.6 ft³/s (0.10 m³/s) Sept. 4,5,7-8,9,10 (gage height, 1.90 ft or 0.579 m).

Period of record: Maximum discharge, 5,040 ft³/s (143 m³/s) Mar. 30, 1960 (gage height, 6.06 ft or 1.847 m), from rating curve extended above 1,300 ft³/s (36.8 m³/s); maximum gage height, 7.42 ft or 2.262 m May 17, 1974; minimum daily discharge; 1.7 ft³/s (0.048 m³/s) Jan. 24, 1963; minimum gage height, 1.16 ft (0.354 m) Feb. 19, 1962.

REMARKS.--Records fair. Discharge includes undetermined diversion from Erie (Barge) Canal upstream from station.

REVISIONS.--WRD N.Y. 1974: 1972(M), 1973(M,P).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	31	16	25	22	30	24	14	52	9.9	32	7.4
2	44	30	25	23	18	26	22	23	11	9.9	32	5.5
3	42	31	31	20	16	20	71	12	20	13	33	4.6
4	29	42	27	30	20	19	26	92	12	12	33	3.8
5	36	65	22	29	15	17	28	58	73	11	32	3.6
6												
7	33	37	21	21	16	18	33	71	44	11	39	4.1
8	32	16	22	19	14	36	36	65	23	11	35	3.8
9	32	13	117	23	13	52	42	33	27	13	34	3.8
10	32	12	137	155	13	28	52	25	44	12	32	4.1
11	32	11	47	59	12	19	65	20	16	49	32	3.8
12	31	11	31	41	12	16	87	18	11	31	52	4.9
13	31	24	37	27	12	18	77	19	35	15	33	13
14	31	35	53	21	11	26	56	22	18	17	32	14
15	48	19	62	16	12	19	57	17	32	16	31	23
16	42	15	44	12	12	21	59	16	31	18	30	22
17	34	13	170	13	14	21	47	15	399	13	30	26
18	33	12	164	11	36	32	36	15	49	12	29	26
19	32	12	64	12	95	42	28	14	23	13	29	31
20	32	12	36	13	71	137	24	13	55	13	29	32
21	31	100	27	11	51	256	18	12	29	27	22	27
22	31	98	23	10	60	74	17	16	17	25	9.6	25
23	30	50	21	10	111	69	14	12	12	15	11	24
24	33	27	21	10	145	53	13	10	9.9	13	8.8	23
25	30	83	37	12	301	59	18	7.0	28	16	52	27
26	32	60	39	18	256	76	15	5.8	18	17	19	68
27	32	37	29	20	83	48	13	5.8	9.9	14	17	105
28	31	25	23	14	49	29	12	5.5	9.9	13	16	36
29	30	21	21	14	34	26	11	4.6	11	14	8.5	29
30	30	23	23	167	---	39	12	4.6	10	12	7.8	27
31	31	19	35	69	---	34	12	7.4	9.9	12	13	25
TOTAL	31	---	27	32	---	26	---	8.1	---	28	6.4	---
MEAN	1030	984	1452	957	1524	1386	1025	660.8	1139.6	505.8	820.1	652.4
MAX	33.2	32.8	46.8	30.9	54.4	44.7	34.2	21.3	38.0	16.3	26.5	21.7
MIN	48	100	170	167	301	256	87	92	399	49	52	105
	29	11	16	10	11	16	11	4.6	9.9	9.9	6.4	3.6
CAL YR 1974	TOTAL	15752.9	MEAN	43.2	MAX	1900	MIN	5.8				
WTR YR 1975	TOTAL	12136.7	MEAN	33.3	MAX	399	MIN	3.6				

PEAK DISCHARGE (BASE, 450 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
2-24	1645	4.00	460	6-16	0745	4.43	741

STREAMS TRIBUTARY TO LAKE ONTARIO

04232100 STERLING CREEK AT STERLING, N.Y.

LOCATION.--Lat 43°19'31", long 76°38'51", Cayuga County, on right bank at Sterling, 25 ft (8 m) downstream from bridge on State Highway 104A, 1.8 mi (2.9 km) southwest of Sterling Valley, and 1.9 mi (3.1 km) upstream from Sterling Valley Creek.

DRAINAGE AREA.--44.4 mi² (115 km²).

PERIOD OF RECORD.--April 1957 to current year.

GAGE.--Water-stage recorder. Datum of gage is 264.69 ft (80.677 m) above mean sea level.

AVERAGE DISCHARGE.--18 years, 62.3 ft³/s (1.764 m³/s) (19.05 in/yr or 483.9 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,140 ft³/s (32.3 m³/s) Sept. 26 (gage height, 4.75 ft or 1.448 m); minimum, 2.6 ft³/s (0.074 m³/s) Aug. 23 (gage height, 1.66 ft or 0.506 m).

Period of record: Maximum discharge, 1,490 ft³/s (42.2 m³/s) Apr. 4, 1960 (gage height, 5.13 ft or 1.564 m); minimum, 0.32 ft³/s (0.009 m³/s) Sept. 14, 1966 (gage height, 1.50 ft or 0.457 m).

REMARKS.--Records fair except those for winter periods, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	17	63	48	140	100	106	47	26	6.2	6.6	17
2	14	16	68	50	90	90	103	91	26	4.8	6.2	15
3	22	15	60	54	54	80	190	82	33	4.8	5.7	13
4	49	16	50	50	50	74	185	101	30	4.8	4.4	10
5	44	26	35	38	40	64	154	137	27	4.4	6.2	8.3
6	40	36	35	46	36	67	153	138	100	4.4	5.2	7.4
7	34	38	46	38	32	72	150	187	122	3.9	5.2	6.8
8	34	37	268	53	32	76	158	158	87	3.9	4.8	6.6
9	31	34	482	182	30	84	167	107	96	3.9	4.8	6.2
10	27	33	370	244	29	80	173	78	46	3.9	4.8	5.7
11	24	31	289	341	29	70	164	74	44	4.8	4.8	5.2
12	21	32	194	328	32	75	157	63	47	7.0	4.8	4.8
13	19	94	153	237	28	98	154	57	51	41	4.4	5.2
14	19	103	136	140	29	86	158	52	46	7.9	4.8	5.9
15	20	81	116	120	30	64	177	48	47	12	4.4	6.4
16	20	73	83	94	31	68	187	56	63	10	4.4	5.9
17	29	62	87	72	30	83	180	51	47	9.0	4.4	7.6
18	35	55	95	48	54	110	164	46	26	8.4	3.9	7.1
19	12	49	80	38	71	186	146	40	31	7.4	3.5	9.9
20	19	69	76	42	75	328	124	34	33	9.0	3.5	10
21	20	197	56	32	72	340	105	29	26	19	3.0	11
22	19	213	62	22	86	268	90	25	22	13	3.0	9.5
23	20	178	73	20	187	257	64	23	17	9.6	3.0	8.5
24	19	195	69	29	425	206	73	22	14	10	3.5	7.1
25	19	222	71	39	627	206	77	19	12	15	3.9	57
26	20	194	60	78	525	186	71	16	9.6	14	5.6	971
27	19	148	58	56	280	126	63	15	8.4	13	8.5	740
28	18	145	63	52	160	126	58	14	7.4	12	6.0	510
29	18	94	61	117	---	114	53	13	7.4	9.6	8.3	340
30	17	79	68	170	---	109	38	13	6.6	8.4	41	186
31	17	---	71	160	---	91	---	13	---	7.4	26	---
TOTAL	733	2582	3498	3038	3304	3984	3842	1849	1158.4	292.5	212.6	3004.1
MEAN	23.6	86.1	113	98.0	118	129	128	59.6	38.6	9.44	6.86	100
MAX	49	222	482	341	627	340	190	187	122	41	41	971
MIN	12	15	35	20	28	64	38	13	6.6	3.9	3.0	4.8
CFSM	.53	1.94	2.55	2.21	2.66	2.91	2.88	1.34	.87	.21	.15	2.25
IN.	.61	2.16	2.93	2.55	2.77	3.34	3.22	1.55	.97	.25	.18	2.52

CAL YR 1974 TOTAL 24947.1 MEAN 68.3 MAX 500 MIN 4.6 CFSM 1.54 IN 20.90
WTR YR 1975 TOTAL 27497.6 MEAN 75.3 MAX 971 MIN 3.0 CFSM 1.70 IN 23.04

PEAK DISCHARGE (BASE, 630 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
2-24	1700	3.96	648	9-26	1300	4.75	1,140

STREAMS TRIBUTARY TO LAKE ONTARIO

04232482 KEUKA LAKE OUTLET AT DRESDEN, N.Y.

LOCATION.--Lat 42°40'49", long 76°57'15", Yates County, on right bank at upstream side of bridge on Milo Street in Dresden, and 0.4 mi (0.6 km) upstream from mouth.

DRAINAGE AREA.--207 mi² (536 km²).

PERIOD OF RECORD.--April 1965 to current year.

GAGE.--Water-stage recorder. Datum of gage is 446.67 ft (136.145 m) above mean sea level.

AVERAGE DISCHARGE.--10 years, 192 ft³/s (5.437 m³/s).

EXTREMES.--Current year: Maximum discharge, 2,150 ft³/s (60.9 m³/s) Sept. 26 (gage height, 5.27 ft or 1.606 m); minimum, 37 ft³/s (1.05 m³/s) on many days (gage height, 0.58 ft or 0.177 m).

Period of record: Maximum discharge, 4,000 ft³/s (113 m³/s) June 22, 1972 (gage height, 8.37 ft or 2.551 m), from rating curve extended above 2,100 ft³/s (59.5 m³/s) on basis of contracted-opening measurement at Mays Mills, adjusted for intervening area; minimum daily, 12 ft³/s (0.34 m³/s) July 16, 1967.

REMARKS.--Records good except those for winter periods and discharges below 40 ft³/s (1.13 m³/s), which are fair. Flow regulated by village of Penn Yan. During each year a large part of flow from 45.5 mi² (118 km²) of Mud Creek drainage area (Susquehanna River basin) is diverted into Keuka Lake (Oswego River basin) for power development. For table of diversion, see sta 01528700.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	48	42	220	250	270	409	390	63	186	57	37	39
2	49	42	220	250	270	390	385	66	180	56	37	39
3	49	42	216	240	260	376	404	51	180	57	37	38
4	49	45	213	246	260	370	385	61	148	57	37	38
5	48	56	210	243	260	350	385	70	139	56	37	37
6												
7	49	53	210	240	260	350	380	114	253	56	38	38
8	49	47	213	230	260	360	376	126	246	56	37	37
9	49	45	362	233	260	376	376	76	236	55	37	37
10	49	45	362	390	250	360	394	65	236	55	37	37
11	49	44	301	380	250	350	390	60	229	56	37	37
12	49	43	282	444	240	350	357	56	229	56	37	37
13	49	45	282	332	240	367	297	56	239	55	37	92
14	49	61	289	305	240	362	293	55	236	56	37	65
15	50	50	297	280	220	345	289	53	226	55	37	56
16	50	47	289	250	200	349	289	56	220	54	37	61
17	50	44	301	280	200	349	286	207	223	54	37	60
18	50	41	332	270	210	371	286	204	213	54	37	58
19	50	41	312	270	267	390	286	201	210	54	37	58
20	49	40	289	271	257	484	289	201	286	53	37	61
21	49	92	278	270	233	498	278	192	275	53	37	60
22	48	130	271	270	229	419	233	195	264	53	37	60
23	48	108	267	250	236	419	126	195	260	52	37	58
24	49	98	264	240	308	409	124	195	293	52	37	58
25	48	100	275	240	650	394	126	189	305	56	41	74
26	48	161	286	240	595	376	112	189	297	53	41	316
27	48	239	275	250	470	362	79	189	289	52	50	1290
28	47	236	267	240	434	340	77	189	286	51	48	610
29	48	236	264	240	419	370	73	186	282	52	39	548
30	48	229	257	362	---	404	58	186	278	51	39	518
31	46	223	271	290	---	409	58	186	192	50	46	508
	42	---	271	280	---	399	---	186	---	45	41	---
TOTAL												
MEAN	1503	2725	8446	8586	8248	11857	7881	4118	7136	1672	1197	5025
MAX	48.5	90.8	272	277	295	382	263	133	238	53.9	38.6	168
MIN	50	239	362	444	650	498	404	207	305	57	50	1290
	42	40	210	230	200	340	58	51	139	45	37	37
CAL YR	1974	TOTAL	63032	MEAN 173	MAX 560	MIN 30						
WTR YR	1975	TOTAL	68394	MEAN 187	MAX 1290	MIN 37						

04233000 CAYUGA INLET NEAR ITHACA, N.Y.

LOCATION.--Lat 42°23'35", long 76°32'43", Tompkins County, on left bank 0.8 mi (1.3 km) upstream from Enfield (formerly Butternut) Creek and 5 mi (8 km) south of Ithaca.

DRAINAGE AREA.--35.2 mi² (91.2 km²).

PERIOD OF RECORD.--March 1937 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 437.16 ft (133.246 m) above mean sea level (levels by Corps of Engineers).

AVERAGE DISCHARGE.--38 years, 38.1 ft³/s (1.079 m³/s) (14.70 in/yr or 373.4 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,520 ft³/s (43.0 m³/s) Sept. 26 (gage height, 4.45 ft or 1.356 m); minimum, 5.3 ft³/s (0.15 m³/s) Aug. 23-24 (gage height, 0.56 ft or 0.171 m).

Period of record: Maximum discharge, 4,800 ft³/s (136 m³/s) June 23, 1972 (gage height, 8.10 ft or 2.469 m), from rating curve extended above 1,600 ft³/s (45.3 m³/s) on basis of slope-area measurements at gage heights 5.5 ft (1.68 m) and 7.58 ft (2.310 m); minimum, 1.7 ft³/s (0.048 m³/s) July 22, 1955; minimum gage height, 0.42 ft (0.128 m) Aug. 30, 31, Sept. 1, 2, 1939, July 22, 1955.

REMARKS.--Records good.

REVISIONS: WRD N.Y. 1968: Drainage area. WRD N.Y. 1974: 1973.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	7.2	22	24	31	82	51	30	41	10	6.7	11
2	11	7.2	23	22	26	64	47	34	26	8.8	6.4	11
3	11	7.4	22	18	23	56	127	28	23	9.0	7.8	10
4	11	12	19	21	20	50	80	82	26	8.9	14	9.2
5	9.7	26	16	19	22	46	66	121	44	8.2	8.5	13
6	8.7	23	17	16	25	45	60	182	118	7.8	10	11
7	8.3	16	18	19	21	50	56	203	92	7.4	9.7	8.6
8	8.0	14	230	21	16	58	56	113	54	7.2	7.8	7.9
9	7.9	12	136	87	20	40	56	83	41	7.4	6.8	9.0
10	7.6	11	77	82	13	35	54	66	33	7.2	6.5	8.1
11	7.6	11	58	296	17	39	50	58	28	8.0	14	7.5
12	7.4	21	53	159	16	44	47	63	33	25	14	51
13	7.2	72	49	105	17	54	44	63	28	36	9.9	25
14	7.2	33	46	74	17	41	41	50	24	13	9.0	16
15	10	26	41	50	18	38	41	46	21	10	7.4	12
16	11	21	55	42	19	41	39	57	23	11	10	11
17	10	19	64	34	25	51	37	43	20	11	9.5	10
18	8.9	17	53	29	58	60	36	40	17	8.8	7.9	11
19	8.2	16	42	37	58	139	36	38	19	8.7	6.9	13
20	8.0	48	39	25	40	229	33	34	18	13	6.3	11
21	8.0	54	34	18	35	128	31	32	15	9.1	5.8	11
22	7.9	39	34	24	42	110	29	30	14	8.0	5.9	9.4
23	7.6	31	30	26	129	94	28	27	14	7.4	5.5	10
24	7.6	36	31	29	502	90	36	27	15	8.6	31	19
25	7.6	41	34	47	398	90	33	24	13	12	16	246
26	7.6	34	30	53	195	78	29	27	12	8.0	12	787
27	7.6	27	27	33	128	60	27	45	12	7.2	11	234
28	7.4	26	27	29	96	54	25	26	13	21	8.2	116
29	7.2	24	26	63	---	58	25	22	12	11	8.5	74
30	7.2	23	27	53	---	59	24	22	12	8.3	23	56
31	7.2	---	26	39	---	53	---	34	---	7.2	14	---
TOTAL	262.6	754.8	1406	1594	2027	2136	1344	1750	861	334.2	320.0	1828.7
MEAN	8.47	25.2	45.4	51.4	72.4	68.9	44.8	56.5	28.7	10.8	10.3	61.0
MAX	11	72	230	296	502	229	127	203	118	36	31	787
MIN	7.2	7.2	16	16	13	35	24	22	12	7.2	5.5	7.5
CFSM	.24	.72	1.29	1.46	2.06	1.96	1.27	1.61	.82	.31	.29	1.73
IN.	.28	.80	1.49	1.68	2.14	2.26	1.42	1.85	.91	.35	.34	1.93
CAL YR 1974	TOTAL	13192.5	MEAN	36.1	MAX	248	MIN	4.0	CFSM	1.03	IN	13.94
WTR YR 1975	TOTAL	14618.3	MEAN	40.1	MAX	787	MIN	5.5	CFSM	1.14	IN	15.45

PEAK DISCHARGE (BASE, 700 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
2-24	1345	3.53	992	9-26	0900	4.45	1,520

04233500 CAYUGA LAKE AT ITHACA, N.Y.

LOCATION.--Lat 42°26'45", long 76°30'45", Tompkins County, on left bank of natural channel 40 ft (12 m) upstream from flood-control channel of Cayuga Inlet, at north end of Taughanock Boulevard, and 1 mi (2 km) upstream from mouth of Inlet, at Ithaca.

DRAINAGE AREA.--1,564 mi² (4,051 km²) (Cayuga Lake portion, 785 mi² or 2,033 km²).

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.

GAGE.--Water-stage recorder. Datum of gage is 376.57 ft (114.779 m) above mean sea level (378.00 ft or 115.214 m Barge Canal datum). Prior to September 1925, nonrecording gage at several sites within 1 mi (2 km) of present site. Prior to October 1968 at datum 2.0 ft (0.61 m) higher.

EXTREMES.--Current year: Maximum gage height, 7.78 ft (2.371 m) Sept. 28; minimum, 2.09 ft (0.637 m) Feb. 16, 17-18. Period of record (1905-25 and since 1956): Maximum gage height, 9.76 ft (2.975 m) June 26, 1972; minimum daily, 1.07 ft (0.326 m) (present datum) Mar. 28, 1960.

REMARKS.--Lake regulated at Mud Lock by New York State Department of Transportation. Area of water surface, 66.9 mi² (173 km²). Seneca River (Cayuga and Seneca Canal) enters lake 0.5 mi (0.8 km) upstream from Mud Lock and is included in first drainage area given above.

REVISIONS.--WRD N.Y. 1967: Drainage area.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	4.91	4.47	4.15	3.13	2.95	3.97	4.42	5.11	5.98	6.01	5.77	5.33
3	4.94	4.51	4.15	3.13	2.92	3.97	4.46	5.22	6.02	5.96	5.74	5.44
4	4.98	4.48	4.11	2.94	2.92	3.94	4.53	5.25	6.05	5.98	5.70	5.51
5	4.88	4.53	4.03	2.95	2.81	3.86	4.81	5.27	6.07	5.92	5.70	5.39
6	4.84	4.61	3.90	2.91	2.72	3.75	4.84	5.43	6.05	5.84	5.68	5.41
7												
8	4.86	4.69	3.84	2.77	2.65	3.66	4.93	5.57	6.19	5.81	5.71	5.40
9	4.91	4.71	3.75	2.75	2.56	3.58	5.00	5.85	6.37	5.74	5.67	5.40
10	4.88	4.71	3.91	2.65	2.41	3.70	5.05	5.96	6.53	5.70	5.59	5.33
11	4.80	4.70	4.28	2.72	2.35	3.55	5.05	6.05	6.59	5.73	5.50	5.43
12	4.80	4.66	4.38	2.80	2.21	3.43	5.02	6.08	6.51	5.72	5.47	5.37
13												
14	4.80	4.58	4.38	3.01	2.16	3.36	5.04	6.09	6.37	5.71	5.46	5.27
15	4.76	4.60	4.41	3.29	2.14	3.15	5.07	6.08	6.33	5.71	5.45	5.58
16	4.80	4.76	4.44	3.41	2.13	3.22	5.08	6.12	6.30	5.79	5.39	5.69
17	4.67	4.74	4.46	3.40	2.11	3.12	5.06	6.11	6.23	5.80	5.42	5.68
18	4.76	4.66	4.36	3.36	2.10	3.03	5.08	6.07	6.08	5.94	5.38	5.63
19												
20	4.77	4.60	4.34	3.35	2.10	2.84	5.08	6.11	6.04	5.96	5.30	5.61
21	4.72	4.51	4.41	3.33	2.09	2.76	5.07	6.08	6.01	5.98	5.32	5.70
22	4.76	4.41	4.43	3.21	2.09	2.72	4.98	6.03	5.99	6.00	5.36	5.62
23	4.70	4.43	4.36	3.25	2.11	2.84	5.02	6.02	6.03	5.92	5.34	5.56
24	4.70	4.40	4.33	3.21	2.17	3.27	5.03	5.97	6.15	5.94	5.30	5.60
25												
26	4.65	4.73	4.23	2.99	2.22	3.50	5.06	5.95	6.10	5.99	5.23	5.55
27	4.58	4.81	4.14	3.03	2.16	3.57	5.01	5.96	6.04	6.00	5.27	5.51
28	4.59	4.60	3.96	2.95	2.24	3.79	4.98	5.96	6.03	5.93	5.22	5.50
29	4.57	4.51	3.89	2.88	2.69	3.86	5.02	5.95	6.08	5.90	5.18	5.52
30	4.56	4.56	3.84	2.82	3.38	4.04	5.10	5.87	6.11	5.99	5.31	5.64
31												
MEAN												
MAX	4.72	4.56	4.03	3.01	2.57	3.63	4.98	5.86	6.15	5.88	5.46	5.84
MIN	4.98	4.81	4.46	3.41	3.88	4.38	5.15	6.12	6.59	6.02	5.77	7.76
WTR YR 1975	4.46	4.24	3.12	2.65	2.09	2.72	4.42	5.11	5.97	5.70	5.18	5.27
CAL YR 1974												

WTR YR 1975 MEAN 4.73 MAX 7.76 MIN 2.09
CAL YR 1974 MEAN 4.67 MAX 6.57 MIN 2.11

STREAMS TRIBUTARY TO LAKE ONTARIO

04233700 VIRGIL CREEK AT FREEVILLE, N.Y.

LOCATION.--Lat 42°30'18", long 76°21'01", Tompkins County, on left bank 10 ft (3 m) upstream from bridge on Johnson Street in Freeville, and 0.8 mi (1.3 km) upstream from mouth.

DRAINAGE AREA.--40.3 mi² (104 km²).

PERIOD OF RECORD.--August 1973 to October 1975 (discontinued). Occasional low-flow measurements, water years 1955-63, 1966.

GAGE.--Water-stage recorder. Datum of gage is 1,015.99 ft (309.674 m) above mean sea level.

EXTREMES.--Water year 1975: Maximum discharge, 3,200 ft³/s (90.6 m³/s) Sept. 26 (gage height, 20.20 ft or 6.157 m); minimum, 6.7 ft³/s (0.19 m³/s) Aug. 28 (gage height, 9.97 ft or 3.039 m).

October 1975: Maximum discharge during period, 744 ft³/s (21.1 m³/s) Oct. 18 (gage height, 14.25 ft or 4.343 m); minimum, 29 ft³/s (0.82 m³/s) Oct. 11 (gage height, 10.31 ft or 3.142 m).

Period of record: Maximum discharge, 3,200 ft³/s (90.6 m³/s) Sept. 26, 1975 (gage height, 20.20 ft or 6.157 m); minimum, 5.6 ft³/s (0.16 m³/s) Sept. 4-5, 1973; minimum gage height, 9.97 ft (3.039 m) Oct. 1-2, 1973 and Aug. 28, 1975.

REMARKS.--Records good except those for winter periods, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	14	40	31	47	79	78	51	30	13	9.1	12
2	43	14	44	27	43	70	71	86	26	12	9.1	11
3	41	14	44	25	37	62	255	60	24	13	8.7	11
4	33	30	39	32	31	56	114	165	25	13	9.1	10
5	26	122	31	29	37	54	90	159	40	11	9.1	9.5
6	22	106	34	25	40	54	88	271	121	11	12	12
7	19	57	36	27	31	60	84	315	113	10	13	10
8	18	42	404	28	27	100	80	132	61	9.5	10	9.5
9	18	35	280	120	33	70	80	102	43	16	9.1	14
10	17	30	126	110	24	48	82	86	33	16	8.7	11
11	16	26	97	528	27	50	92	75	27	13	9.5	10
12	15	37	85	265	26	50	93	78	39	13	11	75
13	16	278	79	123	27	89	83	117	35	14	9.5	43
14	15	82	71	90	27	67	82	100	26	12	10	21
15	24	71	60	80	30	56	102	81	22	12	8.7	15
16	29	55	68	68	31	50	100	162	21	11	10	13
17	23	48	82	54	39	56	102	89	19	11	11	13
18	20	45	65	50	57	78	93	76	18	10	10	13
19	18	39	48	70	70	180	97	69	31	10	8.7	18
20	18	142	42	47	50	432	85	61	30	18	7.9	16
21	17	144	38	37	47	176	72	54	20	12	7.9	16
22	17	76	38	44	55	131	62	48	17	10	7.9	13
23	18	63	35	48	211	120	58	44	16	9.1	7.5	14
24	18	93	37	56	716	124	86	41	21	20	29	24
25	18	91	40	96	620	160	85	36	18	62	16	434
26	18	67	36	95	213	137	65	34	16	18	11	1820
27	17	62	34	54	120	99	57	48	15	13	12	610
28	16	53	33	61	92	84	54	34	15	13	8.3	182
29	16	49	32	126	---	92	51	28	16	11	9.5	109
30	15	45	34	104	---	96	48	28	14	10	37	78
31	15	---	35	60	---	80	---	29	---	9.1	16	---
TOTAL	642	2030	2167	2610	2808	3060	2589	2759	952	435.7	356.3	3647.0
MEAN	20.7	67.7	69.9	84.2	100	98.7	86.3	89.0	31.7	14.1	11.5	122
MAX	43	278	404	528	716	432	255	315	121	62	37	1820
MIN	15	14	31	25	24	48	48	28	14	9.1	7.5	9.5
CFSM	.51	1.68	1.73	2.09	2.48	2.45	2.14	2.21	.79	.35	.29	3.03
IN.	.59	1.87	2.00	2.41	2.59	2.82	2.39	2.55	.88	.40	.33	3.37
CAL YR 1974	TOTAL	20224.2	MEAN 55.4	MAX 794	MIN 6.5	CFSM 1.37	IN 18.67					
WTR YR 1975	TOTAL	24056.0	MEAN 65.9	MAX 1820	MIN 7.5	CFSM 1.64	IN 22.21					

PEAK DISCHARGE (BASE, 600 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-8	1600	15.28	676	5-06	2200	14.33	763
1-11	1730	15.98	820	9-26	1400	20.20	3200
2-24	1745	17.16	1160				

DISCHARGE, IN CUBIC FEET PER SECOND, OCTOBER 1975

DAY	CFS	DAY	CFS	DAY	CFS	DAY	CFS	DAY	CFS	DAY	CFS
1	64	6	48	11	30	16	69	21	130	26	51
2	166	7	40	12	35	17	60	22	95	27	47
3	95	8	36	13	31	18	412	23	75	28	41
4	67	9	33	14	51	19	172	24	62	29	39
5	54	10	31	15	46	20	202	25	57	30	36
										31	33
TOTAL		MEAN		MAX		MIN		CFSM		IN.	
2,408		77.7		412		30		1.93		2.22	

PEAK DISCHARGE (BASE, 600 CFS).-- Oct. 18 (0500) 744 cfs (14.25 ft).

04234000 FALL CREEK NEAR ITHACA, N.Y.

LOCATION.--Lat 42°27'12", long 76°28'23", Tompkins County, on left bank in Forest Home, 0.2 mi (0.3 km) east of Ithaca, 0.5 mi (0.8 km) upstream from Cornell University dam, and 2.2 mi (3.5 km) upstream from mouth.

DRAINAGE AREA.--126 mi² (326 km²).

PERIOD OF RECORD.--July 1908 to June 1909 (gage heights only), February 1925 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 795.13 ft (242.356 m) above mean sea level. July 1908 to June 1909, nonrecording gage at bridge 1.2 mi (1.9 km) downstream at different datum.

AVERAGE DISCHARGE.--50 years (1925-75), 183 ft³/s (5.183 m³/s).

EXTREMES.--Current year: Maximum discharge, 5,690 ft³/s (161 m³/s) Sept. 26 (gage height, 5.87 ft or 1.789 m); minimum, 19 ft³/s (0.54 m³/s) Aug. 22, 23 (gage height, 0.41 ft or 0.125 m); minimum daily discharge, 20 ft³/s (0.57 m³/s) Aug. 22, 23.
Period of record: Maximum discharge, 15,500 ft³/s (439 m³/s) July 8, 1935 (gage height, 9.52 ft or 2.902 m), from average of computed flow over each of four dams; maximum gage height, 11.16 ft (3.402 m) Feb. 21, 1971 (ice jam); minimum discharge, about 3 ft³/s (0.085 m³/s) Aug. 25, 1927, result of regulation; minimum daily, 3.6 ft³/s (0.10 m³/s) Aug. 17, 1965.

REMARKS.--Records good except those for winter periods, which are fair. Diversion from point about 1 mi (2 km) 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.

REVISIONS (WATER YEARS).--WSP 874: 1935-38. WSP 1912: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	92	47	165	140	220	365	255	167	179	41	32	69
2	147	46	183	110	160	274	228	281	128	36	30	55
3	192	46	199	100	150	247	529	244	102	34	29	57
4	147	95	160	140	110	220	467	332	123	38	26	44
5	114	382	130	130	130	227	310	569	144	36	28	38
6	92	431	140	98	140	211	310	535	409	35	29	41
7	76	230	148	120	130	210	290	969	456	33	38	45
8	74	183	988	120	98	360	280	416	223	31	34	37
9	65	154	1260	330	120	200	269	301	170	31	27	35
10	59	137	520	449	88	170	286	249	129	50	26	31
11	55	124	384	1150	98	180	328	217	108	42	26	29
12	52	127	336	1130	94	180	346	200	123	45	28	210
13	51	722	326	496	96	264	292	285	137	200	26	231
14	49	330	302	310	96	242	259	268	107	149	27	113
15	77	241	266	210	110	180	336	203	90	84	25	78
16	138	200	285	180	110	150	317	372	82	82	25	61
17	97	175	393	140	120	200	349	242	78	70	34	56
18	78	161	316	130	170	260	331	193	68	55	30	52
19	66	146	232	180	290	427	347	177	98	47	25	81
20	61	388	200	130	245	1170	325	156	120	76	22	83
21	58	714	180	94	187	715	261	139	80	66	21	74
22	57	395	180	110	215	465	214	130	64	51	20	60
23	58	267	166	120	625	423	196	123	66	42	20	51
24	71	358	173	140	1900	376	243	126	71	39	87	70
25	63	435	181	170	2560	528	328	104	60	218	107	644
26	72	332	170	370	1010	522	231	93	50	113	48	3580
27	64	238	155	221	551	313	191	148	47	64	53	2220
28	55	235	150	184	409	287	175	126	49	56	44	686
29	50	212	140	347	---	315	163	95	57	47	33	411
30	49	189	156	580	---	332	151	88	50	39	188	298
31	48	---	145	290	---	265	---	106	---	35	139	---
TOTAL	2427	7740	8729	8419	10232	10282	8607	7654	3668	1985	1327	9540
MEAN	78.3	258	282	272	365	332	287	247	122	64.0	42.8	318
MAX	192	722	1260	1150	2560	1170	529	969	456	218	188	3580
MIN	48	46	130	94	88	150	151	88	47	31	20	29
CFSM	.62	2.05	2.24	2.16	2.90	2.63	2.28	1.96	.97	.51	.34	2.52
IN.	.72	2.29	2.58	2.49	3.02	3.04	2.54	2.26	1.08	.59	.39	2.82
CAL YR 1974	TOTAL	70911	MEAN 194	MAX 2060	MIN 13	CFSM 1.54	IN 20.94					
WTR YR 1975	TOTAL	80610	MEAN 221	MAX 3580	MIN 20	CFSM 1.75	IN 23.80					

PEAK DISCHARGE (BASE 1,900 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-11	2230	3.71	1,950	9-26	1845	5.87	5,690
2-25	0100	4.71	3,420				

STREAMS TRIBUTARY TO LAKE ONTARIO

04235000 CANANDAIGUA OUTLET AT CHAPIN, N.Y.

LOCATION.--Lat 42°55'05", long 77°13'59", Ontario County, on right bank at Chapin, 25 ft (8m) upstream from bridge on State Highway 488, and 4.1 mi (6.6 km) downstream from Canandaigua Lake.

DRAINAGE AREA.--195 mi² (505 km²).

PERIOD OF RECORD.--November 1939 to current year. Prior to October 1964, published as Canandaigua Lake Outlet.

GAGE.--Water-stage recorder. Datum of gage is 671.44 ft (204.655 m) above mean sea level. Prior to June 25, 1974, at site 0.1 mi (0.2 km) upstream at datum 676.90 ft (206.319 m) above mean sea level.

AVERAGE DISCHARGE.--35 years (1940-75), 146 ft³/sec (4.135 m³/sec).

EXTREMES.--Current year: Maximum discharge, 533 ft³/sec (15.1 m³/sec) May 13 (gage height, 5.17 ft or 1.576 m); minimum, 9.9 ft³/sec (0.28 m³/sec) Nov. 18-19 (gage height, 3.11 ft or 0.948 m),
 Period of record: Maximum discharge, 1,710 ft³/sec (48.4 m³/sec) June 24, 1972 (gage height, 5.62 ft or 1.713 m), site and datum then in use; minimum, 4.6 ft³/sec (0.13 m³/sec) Sept. 17, 1948.

REMARKS.--Records fair. Flow regulated by Canandaigua Lake (see sta 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.

REVISIONS (WATER YEARS): WRD N.Y. 1967: 1966; drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67	27	217	251	260	337	301	41	130	120	91	13
2	67	25	225	244	250	327	292	40	122	99	91	11
3	71	24	232	242	240	315	318	37	122	97	81	16
4	71	29	244	239	240	306	304	65	120	99	77	40
5	67	39	249	232	200	306	304	95	153	101	69	40
6	65	34	225	227	190	301	301	105	389	103	63	41
7	63	29	227	225	190	298	304	155	407	107	46	40
8	62	27	315	213	130	312	301	222	399	112	41	41
9	60	24	312	350	110	264	304	496	357	112	39	40
10	58	24	239	284	220	270	312	504	158	107	39	40
11	58	24	232	301	250	270	333	488	132	112	39	40
12	54	24	232	298	230	270	330	496	139	107	36	41
13	54	34	251	306	200	251	315	525	137	109	36	40
14	54	25	249	300	190	278	312	512	134	107	32	40
15	54	21	242	290	180	281	318	500	137	105	27	40
16	67	17	249	290	180	278	309	468	164	105	24	37
17	65	13	304	280	180	286	301	204	151	103	22	39
18	60	11	281	190	225	295	301	166	151	101	22	40
19	60	11	254	140	210	301	298	164	160	105	44	43
20	56	49	247	260	197	367	284	160	168	109	168	40
21	54	67	239	310	195	343	213	162	168	107	20	41
22	53	69	234	230	213	347	48	160	175	95	12	39
23	51	56	239	240	247	350	40	153	179	95	12	37
24	49	69	275	230	382	343	41	149	184	107	24	48
25	48	67	278	220	407	357	41	145	181	114	17	124
26	34	69	272	188	374	350	40	145	184	95	25	464
27	33	97	267	208	354	337	39	147	186	95	25	456
28	33	99	259	188	343	333	39	139	184	97	15	476
29	34	145	251	259	---	330	39	134	181	93	15	468
30	32	225	261	286	---	318	40	128	175	93	32	452
31	30	---	259	272	---	312	---	128	---	93	17	---
TOTAL	1684	1474	7860	7793	6587	9633	6722	7033	5627	3204	1301	3327
MEAN	54.3	49.1	254	251	235	311	224	227	188	103	42.0	111
MAX	71	225	315	350	407	367	333	525	407	120	168	476
MIN	30	11	217	140	110	251	39	37	120	93	12	11
CAL YR 1974	TOTAL	47048	MEAN 129	MAX 470	MIN 11							
WTR YR 1975	TOTAL	62245	MEAN 171	MAX 525	MIN 11							

04235150 FLINT CREEK AT POTTER, N.Y.

LOCATION (Revised).--Lat 42°42'09", long 77°12'26", Yates County, on left bank 90 ft (27 m) upstream from new bridge on State Highway 364 at Potter, 0.1 mi (0.2 km) downstream from unnamed tributary, and 0.5 mi (0.8 km) upstream from Nettle Valley Creek. July 24, 1974 to July 22, 1975 at temporary sites within 370 ft (113 m) (bridge construction).

DRAINAGE AREA.--31.0 mi² (80.3 km²).

PERIOD OF RECORD.--March 1964 to September 1968, October 1970 to current year.

GAGE.--Water-stage recorder. Datum of gage is 883.93 ft (269.422 m) above mean sea level. Prior to July 23, 1974 recording gage at present site and datum. July 24, 1974 to July 22, 1975 nonrecording gages at various sites within 370 ft (113 m) at datum 1.38 ft (0.421 m) higher.

AVERAGE DISCHARGE.--9 years (1964-68, 1970-75), 30.9 ft³/s (0.875 m³/s) (13.54 in/yr or 343.9 mm/yr).

EXTREMES.--Current year: Maximum observed discharge, 1,660 ft³/s (47.0 m³/s) Sept. 26 (gage height, 7.73 ft or 2.356 m); minimum, 0.49 ft³/s (0.014 m³/s) Aug. 24 (gage height, 1.62 ft or 0.494 m).
 Period of record: Maximum discharge, 5,040 ft³/s (143 m³/s) June 23, 1972 (gage height, 10.15 ft or 3.094 m, from floodmarks), from rating curve extended above 700 ft³/s (19.8 m³/s); minimum daily, 0.02 ft³/s (0.001 m³/s) Sept. 23-27, 1964; minimum gage height, 1.58 ft (0.482 m) Sept. 2, 1966.

REMARKS.--Records poor except those after July 22, which are fair.

REVISIONS (WATER YEARS).--WRD N.Y. 1974: 1973.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.7	2.9	9.8	25	145	92	43	48	13	5.8	1.3	4.4
2	5.0	2.6	12	15	43	92	41	32	14	5.5	1.1	3.7
3	11	6.0	12	7.2	22	88	62	41	26	5.3	1.2	3.3
4	9.4	6.0	10	7.8	14	60	95	53	43	5.0	1.3	2.4
5	8.2	29	7.2	11	13	43	68	125	24	4.5	1.3	2.2
6	6.0	25	7.8	10	16	33	43	205	57	4.1	2.0	2.4
7	3.8	19	8.2	12	32	78	43	297	79	3.6	3.0	2.6
8	6.0	16	20	20	30	66	45	169	51	3.3	2.2	2.0
9	3.2	12	125	55	12	48	41	114	35	3.1	1.4	1.8
10	2.6	9.9	100	99	7.0	33	45	102	26	4.6	1.2	1.8
11	2.9	9.9	62	165	7.0	34	65	98	22	10	1.1	1.6
12	2.6	20	47	249	8.2	37	78	99	21	11	.96	6.9
13	2.6	28	48	189	7.6	45	49	84	45	5.8	.87	12
14	3.4	25	39	129	16	56	47	62	32	10	.96	7.3
15	5.5	20	42	72	35	25	59	48	22	9.4	.96	4.4
16	4.1	17	56	49	22	35	67	44	17	7.8	.87	3.0
17	3.8	14	68	40	20	54	45	43	15	5.4	.96	2.6
18	3.4	13	63	31	33	29	48	41	14	4.4	.96	2.6
19	3.8	11	53	26	33	95	46	38	26	3.8	.87	4.4
20	4.1	59	43	18	29	290	41	37	75	3.8	.96	5.1
21	4.1	96	34	16	30	231	37	35	45	2.8	.87	4.0
22	4.5	78	26	17	32	134	35	31	26	2.6	.78	3.7
23	4.5	70	22	15	95	165	33	28	16	2.6	.78	3.3
24	4.5	49	21	15	238	155	31	25	12	2.2	4.7	3.7
25	4.5	47	34	-16	650	121	29	22	9.6	4.7	10	21
26	4.5	46	58	20	314	110	26	20	8.5	3.3	5.1	831
27	5.0	33	47	26	179	96	26	20	7.9	2.2	10	438
28	5.0	20	39	15	114	84	24	18	7.6	2.2	5.5	145
29	4.5	14	34	69	---	76	22	16	6.7	2.0	3.0	71
30	4.1	9.9	33	117	---	70	22	14	6.4	1.6	8.0	45
31	3.4	---	30	211	---	65	---	14	---	1.4	7.6	---
TOTAL MEAN	141.7	808.2	1211.0	1767.0	2196.8	2640	1356	2023	802.7	143.8	81.80	1642.2
MAX	4.57	26.9	39.1	57.0	78.5	85.2	45.2	65.3	26.8	4.64	2.64	54.7
MIN	1.1	96	125	249	650	290	95	297	79	11	10	831
CFSM	1.7	2.6	7.2	7.2	7.0	25	22	14	6.4	1.4	.78	1.6
IN.	.15	.87	1.26	1.84	2.53	2.75	1.46	2.11	.86	.15	.09	1.76
	.17	.97	1.45	2.12	2.64	3.17	1.63	2.43	.96	.17	.10	1.97
CAL YR 1974	TOTAL	9483.74	MEAN 26.0	MAX 286	MIN .05	CFSM .84	IN 11.38					
WTR YR 1975	TOTAL	14814.20	MEAN 40.6	MAX 831	MIN .78	CFSM 1.31	IN 17.78					

PEAK DISCHARGE (BASE, 300 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
2-25	0730	5.44	744	5-07	a 0600	b 4.22	a 320
3-20	a 1600	b 4.47	a 370	9-26	1300	7.73	1660

a-About.
 b-Observed.

STREAMS TRIBUTARY TO LAKE ONTARIO

04235250 FLINT CREEK AT PHELPS, N.Y.

LOCATION.--Lat 42°57'28", long 77°04'06", Ontario County, on right bank 25 ft (8 m) downstream from bridge on Eagle Street at Phelps, and 1.1 mi (1.8 km) upstream from Canandaigua Outlet.

DRAINAGE AREA.--102 mi² (264 km²).

PERIOD OF RECORD.--October 1959 to current year.

GAGE.--Water-stage recorder. Datum of gage is 523.14 ft (159.453 m) above mean sea level.

AVERAGE DISCHARGE.--16 years, 85.1 ft³/s (2.410 m³/s) (11.33 in/yr or 287.8 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,730 ft³/s (49.0 m³/s) Sept. 26 (gage height, 4.98 ft or 1.518 m); minimum, 1.1 ft³/s (0.031 m³/s) Aug. 23 (gage height, 1.03 ft or 0.314 m).

Period of record: Maximum discharge, 2,940 ft³/s (83.3 m³/s) Mar. 30, 1960 (gage height, 5.83 ft or 1.777 m); maximum gage height, 6.20 ft (1.890 m) Mar. 17, 1963 (ice jam); no flow for many days 1962-65, 1969.

REMARKS.--Records fair. Small diversion during periods of low ground-water level by Phelps Cement Products, Inc., located about 0.2 mile (0.3 km) upstream. Inversion from Canandaigua Lake since 1967 for municipal supply of village of Gorham; presently not exceeding 0.3 ft³/s (0.008 m³/s).

REVISIONS.--WRD N.Y. 1967: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.8	9.8	44	120	200	290	123	51	42	13	3.8	17
2	9.1	9.8	42	98	110	201	114	95	48	11	3.3	12
3	13	9.5	40	86	76	130	177	101	39	10	3.2	8.9
4	16	13	42	92	50	110	138	137	47	9.6	3.3	7.8
5	14	36	38	88	58	100	98	303	45	9.3	3.3	7.3
6	12	70	42	70	58	100	150	337	104	8.6	4.1	7.1
7	10	54	40	78	62	105	154	544	164	7.6	4.9	6.8
8	10	41	160	80	38	160	140	492	118	7.0	5.5	6.8
9	9.0	34	423	362	44	110	157	313	85	6.5	5.2	5.9
10	8.6	28	287	547	35	96	186	197	66	6.2	4.0	4.9
11	8.6	25	205	676	38	88	231	145	51	8.7	3.3	4.3
12	8.4	28	165	639	39	90	250	122	49	32	3.2	6.1
13	8.2	72	193	510	39	149	220	120	52	31	2.7	8.7
14	8.6	68	197	322	40	130	226	108	48	18	2.2	18
15	11	50	172	150	41	91	244	92	51	28	1.9	12
16	10	40	160	100	41	98	219	97	72	25	1.8	8.9
17	11	35	207	80	47	122	196	93	66	19	2.1	7.8
18	12	30	222	84	117	194	173	76	49	14	2.1	8.1
19	11	27	172	86	192	302	159	67	49	12	2.1	9.9
20	10	126	135	60	146	721	132	60	101	13	1.6	8.9
21	9.6	219	114	48	127	649	108	52	77	13	1.3	9.3
22	9.5	165	100	50	199	467	90	48	48	9.9	1.3	7.8
23	10	108	90	48	372	348	79	43	35	7.3	1.4	6.8
24	10	118	118	50	796	273	81	38	33	11	6.6	6.8
25	11	119	147	60	1240	296	82	33	29	13	7.6	50
26	10	108	134	83	975	271	75	33	23	9.9	20	1270
27	10	76	120	66	616	192	66	31	19	8.9	20	946
28	9.8	68	111	62	401	147	59	37	18	6.6	16	820
29	10	61	107	219	---	141	55	28	17	5.2	12	527
30	9.9	53	119	357	---	153	50	25	15	4.9	21	286
31	9.8	---	144	295	---	137	---	24	---	4.5	23	---
TOTAL	317.9	1901.1	4290	5666	6197	6461	4232	3942	1660	383.7	193.8	4106.9
MEAN	10.3	63.4	138	183	221	208	141	127	55.3	12.4	6.25	137
MAX	16	219	423	676	1240	721	250	544	164	32	23	1270
MIN	7.8	9.5	38	48	35	88	50	24	15	4.5	1.3	4.3
CFSM	.10	.62	1.35	1.79	2.17	2.04	1.38	1.25	.54	.12	.06	1.34
IN.	.12	.69	1.56	2.07	2.26	2.36	1.54	1.44	.61	.14	.07	1.50
CAL YR 1974	TOTAL	30307.0	MEAN	83.0	MAX	827	MIN	3.5	CFSM	.81	IN	11.05
WTR YR 1975	TOTAL	39351.4	MEAN	108	MAX	1270	MIN	1.3	CFSM	1.06	IN	14.35

PEAK DISCHARGE (BASE, 800 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
2-25	0530	4.71	1,400	9-26	1400	4.98	1,730
3-20	1530	4.11	828				

STREAMS TRIBUTARY TO LAKE ONTARIO

04235500 OWASCO OUTLET NEAR AUBURN, N.Y.

LOCATION.--Lat 42°56'48", long 76°35'56", Cayuga County, on left bank 2.5 mi (4.0 km) downstream from center of Auburn, and 4 mi (6 km) downstream from State dam at outlet of Owasco Lake.

DRAINAGE AREA.--206 mi² (534 km²).

PERIOD OF RECORD.--November 1912 to current year. Prior to October 1966, published as "Owasco Lake Outlet".

GAGE.--Water-stage recorder and concrete control. Datum of gage is 533.92 ft (162.739 m) above mean sea level.

AVERAGE DISCHARGE.--62 years (1913-75), 285 ft³/s (8.073 m³/s).

EXTREMES.--Current year: Maximum discharge 1,940 ft³/s (54.9 m³/s) Sept. 27 (gage height, 4.38 ft or 1.335 m); minimum, 13 ft³/s (0.368 m³/s) Sept. 9; minimum gage height, 1.32 ft (0.402 m) June 25, 27, Sept. 9.

Period of record: Maximum discharge, 3,250 ft³/s (92.0 m³/s) June 23, 1972 (gage height, 6.28 ft or 1.914 m); minimum, about 2 ft³/s (0.057 m³/s) Dec. 5, 1936; minimum gage height, 1.19 ft (0.363 m) June 26, 1973; minimum daily discharge, 5 ft³/s (0.14 m³/s) Nov. 11, 1934.

REMARKS.--Records fair. Diurnal fluctuation caused by mills in Auburn; seasonal regulation at State dam. Diversion from Owasco Lake (see sta 04235396) by city of Auburn for municipal water supply; sewage returns to outlet upstream from station. Water-quality records for the current year are published in Section 2 of this report for station 04235505 below Auburn, 2.0 mi (3.2 km) downstream.

REVISIONS (WATER YEARS).--WSP 824: 1913-14, 1916, 1920(M), 1922(M), 1928(M), 1929, 1932(M). WRD N.Y. 1967: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	152	110	681	529	625	729	697	177	124	35	29	27
2	251	107	641	513	601	713	681	402	122	35	27	29
3	367	107	761	360	561	705	681	331	92	35	27	26
4	360	119	876	64	545	700	681	348	58	32	32	26
5	343	139	825	64	521	680	681	569	233	32	29	24
6	325	143	801	64	490	680	665	729	553	30	34	26
7	302	149	817	64	490	680	665	769	537	32	29	23
8	287	156	893	66	460	680	657	761	521	32	27	24
9	271	156	1000	107	430	660	649	585	498	34	27	24
10	256	159	1010	261	280	660	641	374	475	32	26	24
11	207	162	987	617	146	660	569	367	297	34	32	24
12	166	177	953	689	149	660	453	423	216	30	29	569
13	156	220	919	697	149	680	453	468	207	38	30	970
14	162	229	885	681	159	680	292	308	207	354	26	902
15	156	229	851	529	156	680	71	199	207	859	26	834
16	153	229	825	251	162	690	85	199	173	314	24	641
17	149	233	825	256	173	697	56	203	92	40	24	468
18	139	229	793	271	192	697	52	203	27	38	26	266
19	133	308	769	251	211	697	136	203	32	52	24	124
20	130	498	737	251	229	737	56	156	24	46	24	122
21	127	553	705	261	238	761	56	124	21	40	24	119
22	127	569	673	233	256	769	56	124	18	37	24	119
23	127	585	649	233	337	745	54	124	19	35	23	116
24	124	601	617	229	834	769	58	124	27	78	37	119
25	124	633	601	242	1340	809	54	124	40	325	26	561
26	122	793	593	256	1340	793	52	133	24	609	66	1370
27	119	868	577	271	753	769	52	308	64	561	37	1740
28	116	817	561	266	745	753	52	238	180	256	29	1790
29	116	769	553	409	---	745	52	127	136	30	30	1750
30	113	729	545	649	---	729	50	124	38	29	42	1630
31	113	---	537	657	---	713	---	124	---	29	27	---
TOTAL	5793	10776	23460	10291	12572	22120	9457	9448	5262	4163	917	14487
MEAN	187	359	757	332	449	714	315	305	175	134	29.6	483
MAX	367	868	1010	697	1340	809	697	769	553	859	66	1790
MIN	113	107	537	64	146	660	50	124	18	29	23	23
CAL YR 1974	TOTAL	134107	MEAN	367	MAX	1620	MIN	22				
WTR YR 1975	TOTAL	128746	MEAN	353	MAX	1790	MIN	18				

STREAMS TRIBUTARY TO LAKE ONTARIO

04237500 SENECA RIVER AT BALDWINVILLE, N.Y.

LOCATION.--Lat 43°09'26", long 76°19'56", Onondaga County, on left bank 200 ft (61 m) downstream from bridge on State Highway 31 in Baldwinsville, and 400 ft (122 m) downstream from navigation dam at Lock 24 of New York State Erie (Barge) Canal.

DRAINAGE AREA.--3,136 mi² (8,122 km²).

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.

GAGE.--Water-stage recorder. Datum of gage is 362.60 ft (110.520 m) above mean sea level, Barge Canal datum. Prior to Dec. 31, 1908, nonrecording gage at same site at different datum. Auxiliary water-stage recorder 1,500 ft (457 m) downstream from base gage at same datum.

AVERAGE DISCHARGE.--25 years (1950-75), 3,323 ft³/s (94.09 m³/s).

EXTREMES.--Current year: Maximum daily discharge, 10,500 ft³/s (297 m³/s) Sept. 29; maximum gage height, 6.62 ft (2.018 m) Sept. 29; minimum daily discharge, 353 ft³/s (10.0 m³/s) Aug. 16; minimum gage height, 1.14 ft (0.347 m) Aug. 21.

Period of record: Maximum daily discharge, 17,200 ft³/s (487 m³/s) Apr. 4, 1960, June 28, 1972; maximum gage height, 9.21 ft (2.807 m) Apr. 4, 1960, June 30, 1972; minimum daily discharge, 237 ft³/s (6.71 m³/s) Nov. 10, 1957; minimum gage height, 0.81 ft (0.247 m) Aug. 10, 1952, Oct. 2, 1969.

REMARKS.--Records fair. Discharge from 1898 to 1908 determined on basis of head on dam, flow through ten 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, represents total discharge 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 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 mi² (118 km²) of Mud Creek drainage area may be diverted from Chemung River basin into Keuka Lake in Oswego River basin (see station 01529000). Water-quality records for the current year are published in Section 2 of this report.

COOPERATION.--Records of lockages at lock 24 furnished by New York Department of Transportation (since November 1949).

REVISIONS.--WRD N.Y. 1967: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1560	1550	5100	6000	7010	9480	4180	1740	1630	1100	960	924
2	1380	1350	5030	6000	6710	8830	3820	1830	1740	966	962	930
3	2030	1100	4910	5800	6330	8450	3660	1900	1520	1020	956	946
4	2530	1070	4420	5600	5940	8000	4400	1890	1140	1220	968	813
5	2540	1330	3860	5400	5550	7600	4600	2190	1220	1480	960	855
6	2520	1780	3700	5400	5470	7510	4380	2910	1890	1190	954	858
7	2470	1970	3770	5400	4860	7470	4340	3900	2840	873	962	557
8	2030	2200	4500	5400	4530	7610	4480	4750	3300	916	964	412
9	1750	2160	6200	5400	4390	7530	4620	4830	3870	843	958	871
10	1830	2090	6400	6200	3850	7510	5330	4990	4890	553	961	970
11	1890	2080	6200	7310	3230	7410	5700	4710	5360	664	949	672
12	1710	2090	5800	8000	2980	7280	5600	4790	5220	695	963	691
13	1670	2800	6000	7770	2520	7310	5940	4900	5130	712	929	1770
14	1740	4020	6400	7760	2300	7200	5930	5010	4820	883	853	1980
15	1710	4450	6400	7280	2280	7140	5830	4870	4580	1100	628	1920
16	1810	4420	6000	6720	2390	6740	5710	4810	4220	1420	353	1710
17	1810	4310	6200	6200	2420	6740	5400	4600	3680	1060	628	1670
18	1820	4190	6200	5840	2790	6360	5030	4330	2950	849	1020	1790
19	1750	3780	6200	5760	3530	5750	4420	4080	1930	780	903	1870
20	1670	3240	6200	5540	4300	5580	3790	3650	1720	825	537	2000
21	1610	4210	6400	5280	4780	5880	3680	3230	1730	1610	600	1870
22	1720	5490	6400	5260	5390	6240	2630	2080	1710	1440	839	1840
23	1770	6130	6200	5200	5970	6360	1590	2050	1630	929	622	1900
24	1660	6510	6000	5180	6770	5980	1580	2170	1490	800	595	1780
25	1640	6770	6200	5210	8350	5770	1710	1870	1040	1470	715	2000
26	1630	6490	6200	5480	9720	5730	1750	1960	1510	1630	648	4340
27	1320	5950	6200	5460	10100	5670	1260	1910	1760	1480	1280	9070
28	1530	5610	6200	5410	9920	4760	1450	1890	1630	1470	1270	10200
29	1610	5400	6000	5660	---	4250	1990	1290	1590	1060	941	10500
30	1730	5260	6000	6420	---	4270	1730	1120	1510	858	930	10400
31	1360	---	5800	6870	---	4280	---	870	---	942	919	---
TOTAL	55800	109800	177090	186210	144380	206690	116530	97020	79250	32838	26727	78011
MEAN	1800	3660	5713	6007	5156	6667	3884	3130	2642	1059	862	2600
MAX	2540	6770	6400	8000	10100	9480	5940	5010	5360	1630	1280	10500
MIN	1320	1070	3700	5180	2280	4250	1260	870	1040	553	353	412
CAL YR 1974	TOTAL	1301634	MEAN	3566	MAX	8970	MIN	811				
WTR YR 1975	TOTAL	1310346	MEAN	3590	MAX	10500	MIN	353				

04238500 ONONDAGA RESERVOIR NEAR NEDROW, N.Y.

LOCATION.--Lat 42°55'51", long 76°10'24", Onondaga County, at Onondaga Dam on Onondaga Creek, 3.5 mi (5.6 km) southwest of Nedrow, 4 mi (6 km) south of Syracuse, and 12.6 mi (20.3 km) upstream from Onondaga Lake.

DRAINAGE AREA.--67.7 mi² (175 km²).

PERIOD OF RECORD.--June 1949 to September 1952 (monthly elevations and contents), October 1952 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers).

EXTREMES.--Current year: Maximum elevation 477.73 ft (145.612 m) Sept. 27 (contents 2,796 acre-ft, 34.5 hm³); minimum elevation 459.58 (140.080 m) Aug. 24; minimum contents, 0 acre-ft (0.00 hm³) June 23, June 28 to July 12, July 31 to Aug. 25, Sept 5-11.
Period of record: Maximum elevation, 485.9 ft (148.10 m) Apr. 1, 1960 (contents, 5,960 acre-ft or 7.35 hm³); no contents at times.

REMARKS.--Reservoir is formed by a rolled earthfill dam, completed by Corps of Engineers in August 1949 for flood control; first used for flood regulation about a year prior to completion. Usable capacity, 18,200 acre-ft (22.4 hm³) between elevations 457.0 ft (139.29 m) (conduit invert at intake) and 504.5 ft (153.77 m) (crest of spillway). No dead storage. The flood-control works consist of a pressure conduit and a side-channel spillway and are not provided with gates. Water is stored during high flows and released gradually. Storage includes minor diversion from Gate House Pond in headwaters of West Branch Tioughnioga River basin.

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

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

460.00	0	467.00	225
461.00	5	470.00	700
462.00	15	473.00	1,420
464.00	50	478.00	2,880

* GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60.14	60.52	60.91	60.79	61.32	62.48	61.45	60.77	60.58	59.88	59.92	60.28
2	60.25	60.50	60.86	60.78	60.94	62.00	61.29	60.96	60.53	59.82	59.87	60.18
3	60.54	60.47	60.92	60.73	60.84	61.74	61.47	61.23	60.46	59.78	59.83	60.10
4	60.53	60.70	60.89	60.71	60.95	61.44	62.88	61.14	60.42	59.76	59.80	60.05
5	60.46	61.02	60.89	60.71	60.81	61.37	62.59	61.22	60.39	59.73	59.81	60.00
6												
7	60.34	61.01	60.83	60.67	60.73	61.33	62.25	61.21	61.08	59.70	59.81	59.97
8	60.22	60.64	60.77	60.64	60.70	61.30	62.03	62.37	61.36	59.67	59.84	59.96
9	60.19	60.52	61.77	60.62	60.82	62.11	61.84	62.39	61.04	59.65	59.86	59.94
10	60.23	60.45	65.25	60.93	60.77	61.61	61.66	61.68	60.76	59.66	59.85	59.90
11	60.31	60.39	64.98	61.82	60.73	61.31	61.62	61.27	60.53	59.72	59.82	59.86
12												
13	60.35	60.36	63.19	62.30	60.73	61.17	61.76	61.05	60.39	59.73	59.79	59.83
14	60.48	60.35	62.21	63.35	60.62	61.11	61.88	60.92	60.34	59.73	59.77	60.95
15	60.67	61.67	61.95	62.89	60.55	61.58	61.79	60.91	60.39	62.55	59.75	62.69
16	60.73	61.21	61.77	62.13	60.48	61.82	61.62	60.87	60.34	62.18	59.74	61.30
17	61.03	61.10	61.59	61.52	60.47	61.44	61.77	60.78	60.30	60.94	59.72	60.60
18												
19	60.75	60.90	61.44	61.17	60.46	61.21	61.95	60.82	60.24	60.41	59.70	60.36
20	60.71	60.75	61.63	60.94	60.48	61.21	62.22	60.84	60.21	60.20	59.69	60.25
21	60.69	60.56	61.65	61.11	60.77	61.36	62.33	60.77	60.11	60.06	59.68	60.20
22	60.64	60.53	61.48	61.12	61.34	61.74	62.28	60.71	60.05	59.98	59.66	60.18
23	60.66	60.91	61.29	60.90	61.59	63.10	62.11	60.62	60.12	60.76	59.63	60.19
24												
25	60.62	62.13	61.14	60.88	61.43	64.46	61.79	60.54	60.09	61.84	59.62	60.18
26	60.61	62.10	61.03	60.77	61.32	63.86	61.48	60.48	60.02	61.58	59.61	60.14
27	60.61	61.59	60.94	60.68	62.42	62.86	61.27	60.48	59.95	60.64	59.59	60.11
28	60.58	61.48	60.90	60.61	65.01	62.27	61.20	60.99	59.99	60.34	59.60	60.09
29	60.59	61.83	60.92	60.62	68.58	62.30	61.28	60.76	60.18	61.81	59.64	60.61
30												
31	60.60	61.87	60.91	61.30	69.14	62.61	61.21	60.56	60.12	61.71	59.68	69.69
MEAN	60.55	61.61	60.86	61.22	67.60	62.19	61.08	60.59	60.05	60.64	61.12	77.12
MAX	60.52	61.36	60.81	60.95	64.04	61.82	60.98	60.55	59.98	60.31	60.62	74.05
MIN	60.52	61.19	60.78	61.11	---	61.74	60.90	60.44	59.93	60.16	60.25	69.75
*	60.52	61.04	60.76	63.86	---	61.75	60.82	60.36	59.92	60.06	60.32	63.26
†	60.53	---	60.79	62.56	---	61.62	---	60.36	---	59.97	60.42	---
MEAN	60.52	61.03	61.49	61.30	61.99	61.93	61.69	60.92	60.33	60.42	59.87	62.06
MAX	61.03	62.13	65.25	63.86	69.14	64.46	62.88	62.39	61.36	62.55	61.12	77.12
MIN	60.14	60.35	60.76	60.61	60.46	61.11	60.82	60.36	59.92	59.65	59.59	59.83
*	2.6	4.9	4.0	12.5	25.6	10.3	4.0	2.2	0	0	1.8	8.0
†	+0.03	+0.04	-0.01	+0.14	+0.24	-0.25	-0.11	-0.03	-0.04	0	+0.03	+1.10
CAL YR 1974	MEAN 60.80	MAX 66.79	MIN 59.86	† 0								
WTR YR 1975	MEAN 61.12	MAX 77.12	MIN 59.59	† +0.01								

* Contents, in acre-feet, at end of period.
† Change in contents, equivalent in cubic feet per second.
* Add 400 feet to obtain elevations above mean sea level.

Note.--Gage-height record Oct. 1 to Nov. 16 subject to drawdown in stilling well, probably not exceeding 0.30 ft.

STREAMS TRIBUTARY TO LAKE ONTARIO

04239000 ONONDAGA CREEK AT DORWIN AVENUE, SYRACUSE, N.Y.

LOCATION.--Lat 42°59'00", long 76°09'04", Onondaga County, on left bank 550 ft (168 m) upstream from bridge on Dorwin Avenue, at Syracuse and 4 mi (6 km) downstream from Onondaga Reservoir.

DRAINAGE AREA.--88.5 mi² (229 km²).

PERIOD OF RECORD.--May 1951 to current year.

GAGE.--Water-stage recorder. Datum of gage is 413.59 ft (126.062 m) above mean sea level (levels by Corps of Engineers).

AVERAGE DISCHARGE.--24 years, 120 ft³/s (3.398 m³/s).

EXTREMES.--Current year: Maximum discharge, 1,990 ft³/s (56.4 m³/s) Sept. 26 (gage height, 5.44 ft or 1.658 m); minimum discharge, 29 ft³/s (0.82 m³/s) Aug. 21, 22, 24, Sept. 11; minimum gage height, 1.51 ft (0.460 m) Sept. 11.
Period of record: Maximum discharge, 3,260 ft³/s (92.3 m³/s) July 3, 1974 (gage height, 6.48 ft or 1.975 m), minimum daily, 5.5 ft³/s (0.16 m³/s) Aug. 17, 1965; minimum gage height, 1.15 ft (0.351 m) Sept. 16, 1959.

REMARKS.--Records fair. High flows regulated by Onondaga Reservoir (see sta 04238500). Discharge includes minor diversion from Gate House Pond in headwaters of West Branch Tioughnioga River basin. The adjusted and unadjusted yearly means are the same for each year of record.

REVISIONS.--WRD NY 1967: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	46	104	127	150	246	174	105	115	50	48	50
2	50	46	109	121	130	217	160	155	78	45	47	46
3	80	45	131	102	120	195	293	160	75	43	46	43
4	93	48	117	104	110	174	356	131	72	43	44	40
5	83	113	96	105	105	169	252	150	78	42	46	40
6	72	200	100	91	104	169	246	148	182	40	46	45
7	60	140	96	91	102	169	240	325	177	38	52	42
8	53	104	450	91	102	280	222	214	125	36	48	37
9	50	89	661	206	96	195	211	157	98	38	43	34
10	55	80	498	261	107	169	237	135	78	46	40	32
11	53	72	258	353	95	157	246	123	68	43	39	31
12	50	68	234	403	109	150	243	113	72	40	40	309
13	52	363	240	240	88	234	225	121	80	403	38	271
14	52	252	228	190	83	217	203	113	71	190	40	117
15	78	169	220	137	80	164	234	100	71	117	37	74
16	107	125	206	123	80	150	240	117	63	83	38	59
17	85	100	243	113	81	167	255	105	59	71	38	59
18	72	88	228	119	137	203	246	95	55	56	34	58
19	62	80	203	117	200	274	237	91	55	74	32	69
20	59	169	177	111	182	528	211	86	68	234	31	65
21	56	293	160	123	135	519	179	80	59	290	30	59
22	54	237	146	91	146	346	157	78	53	164	31	58
23	53	177	135	86	403	268	146	80	49	83	31	49
24	53	225	133	81	810	249	150	148	56	93	39	69
25	52	268	148	95	901	316	164	83	75	312	37	342
26	52	225	144	214	771	306	144	71	58	174	71	1330
27	52	184	131	135	615	228	127	86	54	85	190	1030
28	49	150	125	100	332	211	119	74	52	66	59	895
29	47	135	121	220	---	217	113	63	54	59	46	733
30	46	121	119	350	---	217	107	60	62	54	104	396
31	46	---	131	200	---	192	---	68	---	50	71	---
TOTAL	1875	4412	6092	4900	6374	7296	6137	3635	2312	3162	1536	6482
MEAN	60.5	147	197	158	228	235	205	117	77.1	102	49.5	216
MAX	107	363	661	403	901	528	356	325	182	403	190	1330
MIN	46	45	96	81	80	150	107	60	49	36	30	31
CAL YR 1974	TOTAL	54028	MEAN 148	MAX 1320	MIN 28							
WTR YR 1975	TOTAL	54213	MEAN 149	MAX 1330	MIN 30							

STREAMS TRIBUTARY TO LAKE ONTARIO

04240010 ONONDAGA CREEK AT SPENCER STREET, SYRACUSE, N.Y.

LOCATION.--Lat 43°03'27", long 76°09'46", Onondaga County, on right bank, 250 ft (76 m) upstream from bridge on Spencer Street in Syracuse, 1,000 ft (305 m) upstream from Erie (Barge) Canal terminal and 1.0 mi (1.6 km) upstream from mouth.

DRAINAGE AREA.--109 mi² (282 km²).

PERIOD OF RECORD.--September 1970 to current year. Occasional discharge measurements, water years 1958-70.

GAGE.--Water-stage recorder. Datum of gage is 362.29 ft (110.426 m) above mean sea level (Revised).

AVERAGE DISCHARGE.--5 years, 213 ft³/s (6.032 m³/s).

EXTREMES.--Current year: Maximum discharge, 2,490 ft³/s (70.5 m³/s) July 24 (gage height, 8.35 ft or 2.545 m); minimum discharge, 41 ft³/s (1.16 m³/s) Oct. 1, Nov. 2 (gage height, 2.38 ft or 0.725 m).
 Period of record: Maximum discharge, 2,740 ft³/s or 77.6 m³/s (revised) July 3, 1974 (gage height, 8.73 ft or 2.661 m); minimum, 36 ft³/s (1.02 m³/s) Oct. 20, 21, Dec. 5, 1972 (gage height, 2.34 ft or 0.713 m).

REVISIONS.--Figures for maximum discharge for the water years 1972 and 1974 have been revised to 2,340 ft³/s (66.3 m³/s) June 23, 1972 (gage height, 8.09 ft or 2,466 m) and 2,740 ft³/s (77.6 m³/s) July 3, 1974 (gage height, 8.73 ft or 2.661 m), superseding figures published in WRD N.Y. 1972, 1974 and in Professional Paper 924.

REMARKS.--Records fair. High flows regulated by Onondaga Reservoir (see station 04238500). Discharge includes minor diversion from Gate House Pond in headwaters of West Branch Tioughnioga River basin. Flow may be affected by backwater from Onondaga Lake at times when the lake elevation exceeds 364.75 ft (111.176 m).

REVISIONS.--WRD N.Y. 1972: 1971(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	64	69	140	168	200	340	225	170	146	58	92	79
3	85	69	170	159	160	290	211	245	108	54	88	83
4	105	69	183	130	150	260	420	208	122	52	81	68
5	101	85	152	152	120	220	410	190	101	52	116	63
	94	179	120	148	140	220	300	204	161	51	101	61
6												
7	83	211	142	120	150	210	290	220	208	48	114	69
8	79	134	144	140	140	220	270	368	176	45	110	63
9	72	110	572	136	120	330	260	258	140	44	106	60
10	76	101	789	260	120	220	260	206	118	72	83	52
	81	92	589	319	100	210	260	185	101	55	81	50
11												
12	79	88	325	413	130	200	290	174	92	50	106	58
13	79	114	280	488	110	206	297	170	110	161	90	572
14	81	419	302	310	110	291	271	172	101	413	87	294
15	83	278	278	220	110	263	258	163	94	181	69	161
	122	190	242	170	110	218	294	161	90	132	61	114
16												
17	124	157	242	168	120	200	294	172	76	94	60	96
18	101	140	311	140	150	220	319	157	78	87	60	94
19	90	124	271	150	206	252	308	146	72	83	58	112
20	85	116	228	165	260	325	302	142	79	316	54	105
	85	263	211	120	225	610	268	132	81	422	51	103
21												
22	85	362	196	100	185	582	240	126	71	330	50	99
23	81	286	187	100	206	410	216	124	66	204	55	90
24	81	201	176	100	440	339	211	159	68	124	50	81
25	79	305	185	110	1000	316	220	174	68	383	85	116
	76	336	192	150	1050	392	230	118	87	280	69	537
26												
27	76	278	179	240	869	370	208	108	66	200	223	1790
28	76	210	165	150	697	270	185	126	63	160	230	1110
29	76	192	163	140	455	250	172	106	63	130	90	890
30	76	180	161	350	---	265	165	97	64	120	136	733
31	74	160	168	530	---	265	161	96	71	110	183	440
	72	---	170	289	---	240	---	116	---	100	101	---
TOTAL												
MEAN	2621	5518	7633	6345	7833	9004	7815	5193	2941	4611	2940	8243
MAX	84.5	184	246	205	280	290	261	168	98.0	149	94.8	275
MIN	124	419	789	530	1050	610	420	368	208	422	230	1790
	64	69	120	100	100	200	161	96	63	44	50	50
CAL YR	1974	TOTAL	76915	MEAN 211	MAX 1900	MIN 60						
WTR YR	1975	TOTAL	70697	MEAN 194	MAX 1790	MIN 44						

04240100 HARBOR BROOK AT SYRACUSE, N.Y.

LOCATION.--Lat 43°02'08", long 76°11'17", Onondaga County, on right bank 145 ft (44 m) downstream from bridge on Velasko Road at Syracuse and 2.9 mi (4.7 km) upstream from mouth.

DRAINAGE AREA.--9.63 mi² (24.9 km²).

PERIOD OF RECORD.--June 1959 to current year.

GAGE.--Water-stage recorder. Datum of gage is 394.79 ft (120.332 m) above mean sea level.

AVERAGE DISCHARGE.--16 years, 8.60 ft³/s (0.244 m³/s) (12.13 in/yr or 308.1 mm/yr).

EXTREMES.--Current year: Maximum discharge, 472 ft³/s (13.4 m³/s) Sept. 26 (gage height, 7.47 ft or 2.277 m) from rating curve extended as explained below; minimum daily, 2.2 ft³/s (0.062 m³/s) Oct. 26, 27, 28, 30; minimum gage height, 1.57 ft (0.479 m), Nov. 15-19. Period of record: Maximum discharge, 726 ft³/s (20.6 m³/s) July 3, 1974 (gage height, 8.34 ft or 2.542 m) from rating curve extended above 180 ft³/s (5.10 m³/s) on basis of slope-area measurements of peak flow; minimum daily, 1.8 ft³/s (0.051 m³/s) Sept. 22, 24, 1964, Aug. 29 to Sept. 3, Sept. 10-13, Oct. 8-10, 1966.

REMARKS.--Records poor. Flow includes some sewage and storm sewer inflow, some originating outside the basin.

REVISIONS.--WRD N.Y. 1967: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.5	2.8	4.7	7.5	6.8	14	12	7.7	4.6	5.1	7.9	5.4
2	4.5	3.3	4.9	8.1	6.3	12	11	13	4.6	2.9	7.8	5.6
3	4.3	3.8	4.7	7.7	5.9	11	29	9.5	6.8	3.1	7.6	5.4
4	4.2	5.2	4.6	8.1	5.7	10	17	8.5	5.2	2.4	8.9	5.2
5	4.4	8.0	4.4	8.1	5.6	9.7	15	8.7	11	2.4	6.8	
6	4.2	3.6	4.3	7.9	5.4	9.3	15	11	5.6	2.4	7.8	6.0
7	4.2	3.2	5.1	7.9	5.4	9.5	15	14	4.4	4.0	6.6	5.0
8	4.0	3.2	27	7.9	5.3	12	14	9.7	4.5	6.0	7.0	5.0
9	4.0	3.0	19	14	5.3	9.9	13	8.1	4.1	12	6.6	4.7
10	4.0	4.0	11	11	5.3	9.5	13	7.5	4.3	3.1	6.6	4.5
11	4.0	3.0	9.9	17	5.1	8.9	14	7.1	4.1	3.3	7.6	6.0
12	4.0	4.1	10	11	5.1	9.5	16	7.1	5.6	13	6.2	7.0
13	4.0	8.3	11	10	5.1	14	15	7.1	4.7	18	6.6	10
14	4.2	3.6	10	9.1	5.1	11	15	7.0	5.2	6.2	6.4	8.6
15	5.5	4.1	9.3	8.5	5.1	10	17	6.7	4.4	6.7	6.2	7.4
16	4.6	4.1	8.9	7.9	5.4	9.9	16	7.1	4.9	4.7	6.0	7.0
17	4.0	3.9	9.3	8.3	6.5	9.7	15	6.8	4.6	4.4	6.0	7.0
18	4.0	3.9	9.1	7.9	9.5	11	13	6.8	5.2	4.4	5.8	8.2
19	6.1	4.1	8.5	7.9	10	16	12	6.5	5.0	35	5.6	7.4
20	10	6.7	7.9	8.1	8.9	27	11	6.3	4.0	41	5.4	7.0
21	3.3	7.1	7.7	7.7	8.3	17	11	6.2	3.5	25	5.4	6.6
22	2.9	5.4	7.5	7.5	12	15	10	6.3	3.3	9.7	6.0	6.2
23	2.7	5.4	7.3	8.3	25	14	9.7	8.7	3.9	8.9	5.0	5.8
24	2.5	7.9	7.5	8.3	54	15	9.3	8.5	3.4	63	9.0	5.6
25	2.4	8.5	7.5	10	25	20	9.1	6.2	3.3	22	7.0	5.1
26	2.2	7.3	8.3	9.5	17	18	8.5	8.1	3.1	12	19	24.4
27	2.2	6.3	8.1	7.5	16	14	8.3	8.1	3.1	11	7.2	38
28	2.2	5.6	7.9	8.3	14	12	8.1	5.2	3.2	9.7	5.9	28
29	2.3	5.4	7.9	29	---	12	7.7	4.0	2.9	9.1	8.8	24
30	2.2	4.7	7.5	12	---	12	7.7	4.2	5.9	8.5	9.4	20
31	2.4	---	8.1	7.9	---	12	---	6.0	---	8.1	5.0	---
TOTAL	119.0	149.5	268.9	299.9	294.1	394.9	387.4	237.7	138.4	367.1	223.1	620.2
MEAN	3.84	4.98	8.67	9.67	10.5	12.7	12.9	7.67	4.61	11.8	7.20	20.7
MAX	10	8.5	27	29	54	27	29	14	11	63	19	24.4
MIN	2.2	2.8	4.3	7.5	5.1	8.9	7.7	4.0	2.9	2.4	5.0	4.5
CFSM	.40	.52	.90	1.00	1.09	1.32	1.34	.80	.48	1.23	.75	2.15
IN.	.46	.58	1.04	1.16	1.14	1.53	1.50	.92	.53	1.42	.86	2.40
CAL YR 1974 TOTAL	3689.1											
WTR YR 1975 TOTAL	3500.2											
MEAN	10.1											
MAX	222											
MIN	2.2											
CFSM	1.05											
IN	14.25											
MEAN	9.59											
MAX	244											
MIN	2.2											
CFSM	1.00											
IN	13.52											

PEAK DISCHARGE (BASE, 150 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
7-19	2115	6.33	264	9-26	0930	7.47	472
7-24	1730	6.55	298				

04240105 HARBOR BROOK AT HIAWATHA BOULEVARD, SYRACUSE, N.Y.

LOCATION.--Lat 43°03'22", long 76°11'07", Onondaga County, on left bank 250 ft (76 m) downstream from culvert on Hiawatha Boulevard, in Syracuse, 3,000 ft (914 m) upstream from mouth.

DRAINAGE AREA.--11.3 mi² (29.3 km²).

PERIOD OF RECORD.--Occasional discharge measurements, water years 1958-70. October 1970 to current year.

GAGE.--Water-stage recorder. Datum of gage is 365.86 ft (111.514 m) above mean sea level.

AVERAGE DISCHARGE.--5 years, 18.1 ft³/s (0.513 m³/s), (21.72 in/yr or 552 mm/yr).

EXTREMES.--Current year: Maximum discharge, 556 ft³/s (15.7 m³/s) July 24 (gage height, 7.01 ft or 2.137 m) from rating curve extended as explained below; maximum gage height, 8.15 ft (2.484 m) Sept. 26 (backwater from Onondaga Lake); minimum discharge, 1.6 ft³/s (0.045 m³/s) July 5,-6 (gage height, 0.36 ft or 0.110 m) July 5, 6.

Period of record: Maximum discharge, 732 ft³/s (20.7 m³/s) July 3, 1974 (gage height, 7.91 ft or 2.411 m), from rating extended above 160 ft³/s (4.53 m³/s) on basis of step-backwater computations; maximum gage height 8.15 ft (2.484 m) Sept. 26, 1975 (backwater from Onondaga Lake); minimum discharge, 1.0 ft³/s (0.028 m³/s) June 25, 1971; minimum gage height, 0.36 ft or 0.110 m July 5, 6, 8, 1975.

REMARKS.--Records poor. Flow includes some sewage and storm sewer inflow, some originating outside the basin.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.4	4.2	7.4	10	10	19	14	13	6.2	6.7	12	8.3
2	8.0	4.3	9.3	9.6	9.7	17	14	18	6.2	3.8	11	8.7
3	7.6	4.9	8.0	8.8	8.9	17	44	12	8.9	4.0	10	7.8
4	7.4	11	7.2	9.5	8.3	17	20	15	6.2	2.8	14	7.6
5	7.4	13	6.7	8.8	8.2	16	18	12	17	2.8	8.2	7.3
6	7.0	8.4	6.9	8.2	8.6	16	18	18	5.9	2.8	9.7	8.4
7	7.4	6.7	9.3	8.3	8.2	19	18	16	5.3	4.0	8.2	6.8
8	6.9	6.5	4.8	8.1	7.4	18	18	12	5.6	6.2	8.9	6.8
9	6.7	6.2	30	22	6.9	14	19	11	4.9	14	8.4	6.3
10	6.9	6.2	16	16	6.7	13	19	10	5.1	4.0	8.2	6.0
11	6.7	5.6	13	26	6.7	12	21	10	5.1	4.3	10	7.7
12	7.1	12	15	16	6.5	14	21	10	6.7	26	7.8	94
13	6.6	25	15	14	6.7	19	19	9.6	5.6	43	8.3	14
14	7.3	8.0	15	12	6.9	14	20	8.6	6.5	13	7.7	12
15	12	8.0	12	11	7.2	14	21	8.0	5.1	11	7.5	10
16	6.5	6.9	12	10	7.7	13	20	9.2	5.6	6.9	7.4	10
17	6.4	6.5	15	9.0	14	13	18	8.6	5.3	6.5	7.3	9.5
18	6.4	6.5	13	9.4	18	15	18	8.8	5.9	5.9	7.3	12
19	6.1	6.7	12	9.4	18	19	16	8.8	7.7	97	6.9	10
20	7.1	18	11	8.5	14	38	16	8.6	4.9	110	6.7	9.3
21	5.4	16	11	8.1	15	21	14	8.6	4.3	43	6.6	8.6
22	5.3	11	10	7.6	19	19	14	8.4	4.0	15	7.4	7.8
23	4.9	9.1	9.5	7.6	40	18	14	11	4.9	13	6.2	6.9
24	4.0	19	11	7.8	81	21	12	11	4.6	148	12	11
25	3.6	17	10	16	47	26	12	8.0	4.3	38	8.2	70
26	3.5	12	9.4	11	30	20	12	10	4.0	19	37	320
27	3.2	11	9.0	8.8	24	17	12	10	4.0	16	10	60
28	3.3	9.3	9.1	8.3	21	16	12	8.0	4.3	15	7.3	42
29	3.2	8.6	8.8	54	---	17	11	5.3	4.0	14	15	38
30	3.1	8.0	10	18	---	17	11	5.6	6.7	13	16	34
31	3.4	---	9.3	12	---	16	---	8.4	---	12	8.2	---
TOTAL	187.8	295.6	388.9	393.8	465.6	545	516	321.5	174.8	720.7	309.4	860.8
MEAN	6.06	9.85	12.5	12.7	16.6	17.6	17.2	10.4	5.83	23.2	9.98	28.7
MAX	12	25	48	54	81	38	44	18	17	148	37	320
MIN	3.1	4.2	6.7	7.6	6.5	12	11	5.3	4.0	2.8	6.2	6.0
CFSM	.54	.87	1.11	1.12	1.47	1.56	1.52	.92	.52	2.05	.88	2.54
IN.	.62	.97	1.28	1.30	1.53	1.79	1.70	1.06	.58	2.37	1.02	2.83
CAL YR 1974	TOTAL	8803.2	MEAN 24.1	MAX 350	MIN 3.1	CFSM 2.13	IN 28.98					
WTR YR 1975	TOTAL	5179.9	MEAN 14.2	MAX 320	MIN 2.8	CFSM 1.26	IN 17.05					

PEAK DISCHARGE (BASE, 250 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
7-12							
7-19	2345	5.53	314	8-26	1930	5.22	263
7-20	2115	6.96	547	9-12	0415	6.19	414
7-24	2130	6.66	493	9-26	1330	8.15	408
	1745	7.01	556				

a.--Backwater from Onondaga Lake (approx. 2.0 ft).

STREAMS TRIBUTARY TO LAKE ONTARIO

04240120 LEY CREEK AT PARK STREET, SYRACUSE, N.Y.

LOCATION.--Lat 43°04'38", long 76°10'14", Onondaga County, on left bank, 0.2 mi (0.3 km) upstream from bridge on Park Street, 0.4 mi (0.6 km) upstream from mouth.

DRAINAGE AREA.--29.9 mi² (77.4 km²).

PERIOD OF RECORD.--Occasional measurements water years 1959-72. December 1972 to current year.

GAGE.--Water-stage recorder. Datum of gage is 362.84 ft (110.594 m) above mean sea level.

EXTREMES.--Current year: Maximum discharge, 1,120 ft³/s (31.7 m³/s) Sept. 26 (gage height, 6.17 ft or 1.881 m); minimum, 10 ft³/s (0.28 m³/s) Aug. 10 (gage height, 0.76 ft or 0.232 m).

Period of record: Maximum discharge, 1,120 ft³/s (31.7 m³/s) Sept. 26, 1975 (gage height, 6.17 ft or 1.881 m); minimum 9.0 ft³/s (0.25 m³/s) July 28, 29, 30, 31, Aug. 5, 6, 1973, June 9, 1974 (gage height, 0.80 ft or 0.244 m).

REMARKS.--Records poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	20	24	43	40	110	36	26	40	20	12	29
2	22	19	29	40	30	100	33	53	19	20	12	29
3	20	17	40	34	29	100	251	32	30	20	12	27
4	20	27	35	36	19	90	193	31	22	20	38	20
5	20	83	30	41	18	90	100	51	95	20	24	18
6	20	71	29	32	21	90	81	32	99	20	20	21
7	19	38	35	30	21	84	68	79	56	20	19	17
8	18	29	166	29	22	105	62	43	38	21	14	16
9	17	25	232	98	21	83	68	32	28	30	12	16
10	17	22	141	94	19	65	86	27	24	24	11	16
11	17	19	105	117	17	52	100	22	22	22	12	17
12	16	114	86	120	15	45	92	18	36	27	16	268
13	16	149	73	100	16	46	74	22	29	35	14	90
14	19	67	68	92	16	41	62	19	26	30	15	47
15	44	51	50	54	19	37	55	16	23	27	13	29
16	29	37	43	30	20	34	48	26	20	24	12	23
17	22	32	48	24	29	43	44	22	20	21	12	27
18	20	28	51	22	81	52	34	20	20	22	13	23
19	18	27	42	24	87	58	24	22	29	126	13	44
20	17	92	39	20	72	129	21	22	24	291	14	26
21	17	121	37	16	106	70	17	22	20	295	13	27
22	17	79	34	16	90	60	16	22	19	109	14	20
23	17	47	32	16	137	50	15	21	50	43	14	19
24	17	92	43	16	267	90	14	20	33	211	35	38
25	19	90	45	50	370	60	18	18	23	129	23	164
26	19	64	39	53	260	50	17	24	20	45	61	831
27	17	43	33	32	180	40	17	20	20	29	105	560
28	17	34	30	30	150	35	16	17	20	21	23	290
29	20	31	29	141	---	32	16	16	20	17	32	150
30	20	28	45	126	---	34	15	18	22	15	174	70
31	20	---	48	80	---	35	---	24	---	14	48	---
TOTAL	615	1596	1781	1656	2172	2010	1693	837	947	1768	850	2972
MEAN	19.8	53.2	57.5	53.4	77.6	64.8	56.4	27.0	31.6	57.0	27.4	99.1
MAX	44	149	232	141	370	129	251	79	99	295	174	831
MIN	16	17	24	16	15	32	14	16	19	14	11	16
CFSM	.66	1.78	1.92	1.79	2.60	2.17	1.89	.90	1.06	1.91	.92	3.31
IN.	.77	1.99	2.22	2.06	2.70	2.50	2.11	1.04	1.18	2.20	1.06	3.70
CAL YR 1974	TOTAL	16919	MEAN 46.4	MAX 514	MIN 10	CFSM 1.55	IN 21.05					
WTR YR 1975	TOTAL	18897	MEAN 51.8	MAX 831	MIN 11	CFSM 1.73	IN 23.51					

PEAK DISCHARGE (BASE, 300 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-9	0200	2.99	300	7-20	2300	4.07	532
2-24	2300	3.67	438	7-24	1900	3.55	412
4-03	1900	4.03	522	9-12	1200	3.44	389
7-13	UNKNOWN	3.58	419	9-26	1500	6.17	1120
7-19	2100	3.51	404				

STREAMS TRIBUTARY TO LAKE ONTARIO

263

04240180 NINEMILE CREEK NEAR MARIETTA, N.Y.

LOCATION.--Lat 42°55'15", long 76°19'47", Onondaga County, on right bank 25 ft (8 m) upstream from bridge on Schuyler road, 0.9 mi (1.4 km) north of Marietta, and 1.8 mi (2.9 km) downstream from Otisco Lake.

DRAINAGE AREA.--45.5 mi² (118 km²).

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1955, 1963. June 1964 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 760 ft (232 m) (from topographic map).

AVERAGE DISCHARGE.--11 years, 38.4 ft³/s (1.087 m³/s).

EXTREMES.--Current year: Maximum discharge 332 ft³/s (9.40 m³/s) Sept. 26 (gage height, 5.28 ft or 1.609 m); minimum daily, 2.3 ft³/s (0.065 m³/s) Oct. 11, Sept. 4, 5; minimum gage height, 0.75 ft (0.229 m) July 31.
 Period of record: Maximum discharge, 1,030 ft³/s (29.2 m³/s) June 23, 1972 (gage height, 8.65 ft or 2.637 m); minimum, 0.80 ft³/s (0.023 m³/s) Sept. 13, 18, 19, 1966; minimum daily, 0.80 ft³/s (0.023 m³/s) Sept. 13, 18, 19, 1966.

REMARKS.--Records fair. Flow regulated by Otisco Lake from which water is diverted for city of Syracuse water supply.

REVISIONS (WATER YEARS).--WRD N.Y. 1971: 1966(M), 1968, 1969.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	3.4	27	85	86	105	89	32	11	6.5	2.9	3.2
2	38	3.3	31	85	85	104	86	39	7.1	6.7	3.3	3.0
3	42	3.3	43	85	85	104	99	40	5.6	7.5	3.0	2.6
4	41	4.1	56	84	85	104	100	47	4.4	7.7	3.7	2.3
5	40	7.5	56	84	85	104	103	51	14	6.9	3.4	2.3
6												
7	39	4.8	56	83	85	103	101	55	20	5.7	3.5	3.2
8	40	3.7	58	83	85	97	100	76	18	5.0	3.4	2.9
9	40	3.3	116	83	84	87	97	77	14	4.7	3.0	2.8
10	19	2.9	83	96	84	84	86	76	11	10	2.8	2.8
	2.4	2.7	76	91	84	83	71	73	7.8	7.8	2.7	3.5
11												
12	2.3	2.5	77	108	83	68	72	67	7.5	6.7	3.8	6.2
13	3.5	3.7	82	91	83	59	72	64	13	7.3	3.2	3.9
14	2.9	17	87	88	83	66	71	59	9.6	4.3	2.9	9.6
15	2.7	4.5	88	86	83	59	72	55	7.5	4.0	3.2	7.7
	5.6	3.8	88	85	83	58	62	52	12	4.3	3.4	6.5
16												
17	3.5	3.3	104	85	83	58	56	51	9.1	3.3	3.5	6.2
18	3.4	3.2	133	85	83	60	64	47	4.4	3.3	3.6	5.4
19	3.6	2.9	126	85	94	62	71	44	4.0	3.0	3.5	6.5
20	3.5	2.8	119	85	106	73	75	39	4.8	7.1	3.4	6.5
	6.2	11	111	84	102	84	74	36	6.1	13	3.6	6.4
21												
22	3.6	11	104	84	101	65	71	32	4.4	13	3.7	6.7
23	3.4	5.6	97	84	107	64	70	28	4.5	4.7	3.8	6.1
24	3.5	17	94	84	133	65	68	24	3.7	3.7	3.8	7.1
25	3.4	37	91	84	179	68	71	20	8.4	4.5	4.5	12
	3.8	36	89	85	123	77	68	18	6.5	4.3	3.8	45
26												
27	3.5	31	87	86	109	88	64	17	5.6	3.4	9.1	181
28	3.4	29	85	85	106	99	60	17	5.7	3.2	5.6	110
29	3.4	28	85	85	106	97	50	14	5.9	2.8	2.5	112
30	3.4	28	85	118	---	98	32	12	6.1	2.8	2.7	107
31	3.3	28	85	90	---	95	30	12	6.4	2.9	8.2	97
	3.3	---	85	87	---	91	---	11	---	2.8	3.3	---
TOTAL	412.6	344.3	2604	2713	2695	2529	2205	1285	248.1	211.6	116.8	813.5
MEAN	13.3	11.5	84.0	87.5	96.3	81.6	73.5	41.5	8.27	6.83	3.77	27.1
MAX	42	37	133	118	179	105	103	77	20	43	9.1	181
MIN	2.3	2.5	27	83	83	58	30	11	3.7	2.8	2.5	2.3
CAL YR 1974	TOTAL	19868.5	MEAN	54.4	MAX	581	MIN	2.3				
WTR YR 1975	TOTAL	16177.9	MEAN	44.3	MAX	181	MIN	2.3				

04240200 NINEMILE CREEK AT CAMILLUS, N.Y.

LOCATION.--Lat 43°02'21", long 76°18'30", Onondaga County, on right bank 150 ft (46 m) downstream from highway bridge on State Highway 5 (Main Street) in Camillus, 7.2 mi (11.6 km) upstream from Onondaga Lake.

DRAINAGE AREA.--84.3 mi² (218 km²).

PERIOD OF RECORD.--July 1958 to current year.

GAGE.--Water-stage recorder. Datum of gage is 398.56 ft (121.481 m) above mean sea level.

AVERAGE DISCHARGE.--17 years, 109 ft³/s (3.087 m³/s).

EXTREMES.--Current year: Maximum discharge, 2,120 ft³/s (60.0 m³/s) Sept. 26 (gage height, 10.83 ft or 3.301 m); minimum discharge, 38 ft³/s (1.08 m³/s) July 14, 19; minimum gage height, 1.39 ft (0.424 m) Oct. 28, 30-31.

Period of record: Maximum discharge, 2,760 ft³/s (78.2 m³/s) Mar. 30, 1960 (gage height, 8.25 ft or 2.515 m); maximum gage height, 10.83 ft (3.301 m) Sept. 26, 1975; minimum discharge, 16 ft³/s (0.45 m³/s) Sept. 30, Oct. 1, 2, 1961; minimum gage height, 1.13 ft (0.344 m) Dec. 10, 1964, Jan. 7, 18, 19, 1967.

REMARKS.--Records poor. Flow regulated by Otisco Lake from which water is diverted for city of Syracuse water supply.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	68	48	92	160	180	220	190	101	68	44	50	55
2	76	48	98	150	160	200	180	133	63	44	50	55
3	106	48	110	150	150	190	310	123	61	44	50	52
4	117	55	129	150	140	180	306	124	60	43	51	51
5	103	90	123	153	140	190	260	159	68	43	51	50
6	87	102	123	145	140	190	250	151	98	43	52	50
7	77	71	123	147	130	201	250	271	93	42	52	49
8	75	62	532	146	130	230	240	192	79	41	50	48
9	74	58	738	285	140	170	232	167	71	54	48	47
10	51	57	271	340	130	170	206	154	65	48	48	47
11	51	56	199	394	140	183	218	142	62	42	50	48
12	49	56	191	364	140	166	220	134	68	45	70	299
13	52	235	222	242	140	258	205	130	66	330	54	132
14	51	110	222	195	140	202	205	120	63	72	52	76
15	66	79	199	170	140	159	246	120	63	81	49	58
16	68	70	205	150	140	150	210	127	63	53	48	43
17	59	65	282	140	150	150	234	113	57	47	48	44
18	55	62	274	130	208	190	211	108	54	41	48	43
19	53	61	242	120	274	230	210	102	56	69	48	50
20	52	120	220	130	234	392	187	93	58	298	47	43
21	51	212	201	140	202	317	173	88	52	319	46	42
22	51	133	187	150	235	208	162	83	49	96	46	41
23	50	93	170	140	488	190	154	78	48	67	46	39
24	50	178	170	150	748	190	155	74	48	140	51	42
25	49	218	170	180	695	270	154	70	57	120	49	124
26	50	169	169	244	360	250	142	69	48	70	60	1340
27	49	120	162	176	270	240	132	69	47	61	85	556
28	48	110	159	167	230	232	127	66	46	57	57	239
29	48	105	150	394	---	238	102	62	45	54	53	170
30	48	100	150	504	---	230	98	63	45	52	77	138
31	48	---	160	206	---	200	---	68	---	51	63	---
TOTAL	1932	2991	6443	6312	6374	6586	5969	3554	1821	2611	1649	4071
MEAN	62.3	99.7	208	204	228	212	199	115	60.7	84.2	53.2	136
MAX	117	235	738	504	748	392	310	271	98	330	85	1340
MIN	48	48	92	120	130	150	98	62	45	41	46	39
CAL YR 1974	TOTAL	53003	MEAN 145	MAX 1250	MIN 48							
WTR YR 1975	TOTAL	50313	MEAN 138	MAX 1340	MIN 39							

STREAMS TRIBUTARY TO LAKE ONTARIO

04240300 NINEMILE CREEK AT LAKELAND, N.Y.

LOCATION.--Lat 43°04'51", long 76°13'36", Onondaga County, on left bank 30 ft (9 m) downstream from bridge on State Highway 48, 0.6 mi (1.0 km) downstream from Geddes Brook, and 0.7 mi (1.1 km) upstream from mouth.

DRAINAGE AREA.--115 mi² (298 km²).

PERIOD OF RECORD.--Occasional measurements, water years 1959-70. November 1970 to September 1973, July to September 1975.

GAGE.--Water-stage recorder. Datum of gage is 360.67 ft (109.93 m) above mean sea level.

EXTREMES.--Maximum discharge during period July to September 1975, 2,410 ft³/s (68.3 m³/s) Sept. 26 (gage height, 8.75 ft or 2.667 m); minimum daily, 109 ft³/s (3.09 m³/s) Aug. 10.

Period of record: Maximum discharge, 2,410 ft³/s (68.3 m³/s) Sept. 26, 1975 (gage height, 8.75 ft or 2.667 m); minimum daily, 68 ft³/s (1.93 m³/s) Oct. 23, Nov. 1, 1971.

REMARKS.--Records poor. Flow regulated by Otisco Lake from which water is diverted for city of Syracuse water supply.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1										134	130	152
2										128	130	147
3										136	120	144
4										141	120	139
5										146	120	130
6										133	130	126
7										117	126	120
8										112	122	114
9										128	116	122
10										131	109	120
11										123	113	117
12										131	142	350
13										273	128	360
14										269	120	226
15										200	110	190
16										165	116	188
17										160	117	166
18										147	122	163
19										154	123	195
20										347	122	172
21										461	110	162
22										287	113	155
23										193	116	144
24										204	122	162
25										338	125	308
26										240	154	1610
27										197	298	1400
28										177	193	800
29										160	154	600
30										150	229	450
31										140	190	---
TOTAL										5822	4240	9232
MEAN										188	137	308
MAX										461	298	1610
MIN										112	109	114

04242500 EAST BRANCH FISH CREEK AT TABERG, N.Y.

LOCATION.--Lat 43°18'06", long 75°37'09", Oneida County, on left bank at downstream side of bridge on Main Street at Taberg, just downstream from Furnace Creek, 300 ft (91 m) upstream from bridge on State Highway 69, 2.8 mi (4.5 km) upstream from confluence of East and West Branches near Blossvale.

DRAINAGE AREA.--188 mi² (487 km²).

PERIOD OF RECORD.--April 1923 to current year.

GAGE.--Water-stage recorder. Datum of gage is 490.12 ft (149.389 m) above mean sea level. Prior to May 20, 1969, at datum 1.00 ft (0.305 m) higher.

AVERAGE DISCHARGE.--52 years, 536 ft³/s (15.18 m³/s) (unadjusted).

EXTREMES.--Current year: Maximum discharge, 9,750 ft³/s (276 m³/s) Sept. 26 (gage height, 8.76 ft or 2.670 m); minimum, 18 ft³/s (0.51 m³/s) July 7 (gage height, 0.62 ft or 0.189 m).
 Period of record: Maximum discharge, 14,500 ft³/s (411 m³/s) June 22, 1972 (gage height, 11.71 ft or 3.569 m); minimum, 4.9 ft³/s (0.14 m³/s) Aug. 15, 16, 1949.

REMARKS.--Records fair. Diversion above station for municipal supply by cities of Rome and Oneida. Diurnal fluctuation at low flow caused by diversion and small power operations upstream.

REVISIONS (WATER YEARS).--WSP 604: 1924. WSP 759: Drainage area. WSP 1034: 1944. WSP 1054: 1923-45.

DISCHARGE IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	309	177	322	293	707	637	514	2570	304	56	62	284
2	305	175	409	270	519	545	454	2470	243	35	47	278
3	266	156	406	241	422	454	1080	2110	238	34	37	395
4	220	296	332	281	341	400	1660	2380	221	35	33	254
5	190	579	258	254	335	370	1350	2560	204	35	46	174
6	173	835	315	208	341	367	1060	1980	733	31	43	158
7	158	529	283	251	329	354	816	1390	898	22	42	146
8	150	377	2230	262	298	344	656	1230	596	24	52	118
9	138	296	4050	370	287	270	551	1020	399	25	49	99
10	132	255	1570	454	267	270	498	795	265	31	42	81
11	132	230	890	727	265	270	478	644	197	34	36	72
12	132	227	668	1140	251	280	459	540	360	34	41	2490
13	129	1470	573	890	262	377	445	608	573	441	46	1380
14	195	1250	540	596	260	399	454	508	351	388	65	687
15	696	835	410	441	250	403	573	406	249	418	52	429
16	643	588	388	395	240	374	733	590	194	357	41	298
17	427	462	374	301	240	357	1210	498	174	201	38	322
18	454	436	374	300	240	357	1680	381	152	131	34	307
19	346	481	363	290	230	483	3060	329	136	115	27	519
20	258	875	392	287	230	1480	3450	287	140	307	24	498
21	208	2600	370	273	240	1550	2450	254	118	562	22	478
22	188	1440	347	293	249	1370	1900	225	103	354	23	360
23	181	731	344	273	290	1480	1940	204	92	192	26	284
24	173	829	341	276	567	1330	3400	183	92	148	41	270
25	181	1950	332	341	1430	1840	3550	158	74	246	48	1320
26	237	1150	265	767	1190	1670	2350	146	68	197	172	7880
27	211	613	287	650	883	1160	1810	150	74	133	454	4330
28	175	517	319	631	720	953	1510	154	49	138	284	1610
29	158	465	304	727	---	802	1770	136	57	183	204	906
30	152	374	301	1060	---	681	2060	146	65	118	1590	608
31	156	---	267	868	---	573	---	281	---	85	619	---
TOTAL MEAN	7473	21198	18624	14410	11883	22200	43921	25333	7419	5110	4340	27035
MAX	241	707	601	465	424	716	1464	817	247	165	140	901
MIN	696	2600	4050	1140	1430	1840	3550	2570	898	562	1590	7880
(#)	129	156	258	208	230	270	445	136	49	22	22	72
(#)	24.5	24.9	23.7	24.3	24.6	24.6	24.2	24.8	26.3	29.9	29.0	25.6

CAL YR	1974	TOTAL	232785	MEAN	638	MAX	5770	MIN	69	#	24.8
WTR YR	1975	TOTAL	208946	MEAN	572	MAX	7880	MIN	22	#	25.5

PEAK DISCHARGE (BASE, 4,900 CFS)

DATE	TIME	G. H.	DISCHARGE
12-09	0030	6.97	6,040
09-26	1600	8.76	9,750

Diversion, in cubic feet per second, by Cities of Rome and Oneida for water supply.
 (Figures supplied by respective cities.)

STREAMS TRIBUTARY TO LAKE ONTARIO

04243500 ONEIDA CREEK AT ONEIDA, N.Y.

LOCATION.--Lat 43°05'51", long 75°38'22", Madison County, on right bank 70 ft (21 m) upstream from bridge on Sconodoo Street at Oneida, and 500 ft (152 m) downstream from Sconodoo Creek.

DRAINAGE AREA.--113 mi² (293 km²).

PERIOD OF RECORD.--October 1949 to current year.

GAGE.--Water-stage recorder. Datum of gage is 409.33 ft (124.764 m) above mean sea level (Corps of Engineers bench mark).

AVERAGE DISCHARGE.--26 years, 157 ft³/s (4.446 m³/s) (18.87 in/yr or 479.3 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,790 ft³/s (79.0 m³/s) Feb. 25 (gage height, 9.88 ft or 3.011 m); minimum, 20 ft³/s (0.57 m³/s) July 31 (gage height, 1.53 ft or 0.466 m).

Period of record: Maximum discharge, 9,260 ft³/s (262 m³/s) June 22, 1972 (gage height, 14.61 ft or 4.453 m); minimum, 12 ft³/s (0.34 m³/s) Aug. 5, 6, 1962, Oct. 28, 1964; minimum gage height, 1.30 ft (0.396 m) Aug. 3, 6, 1955, Aug. 17, 1964.

Waters of June 22, 1972 were higher than during flood of 1891 as reported by Corps of Engineers in "Flood Plain Information Oneida Creek New York".

REMARKS.--Records good except those for winter periods and those above 300 ft³/s (8.50 m³/s), which are fair. Occasional regulation by small mills upstream from station.

REVISIONS.--WRD N.Y. 1967: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67	49	132	98	190	296	205	146	236	44	24	50
2	68	50	130	94	160	239	186	265	106	41	25	58
3	69	46	130	90	150	190	1050	205	94	42	25	67
4	67	65	120	82	150	170	503	184	89	37	25	48
5	61	164	120	72	150	150	383	224	116	31	28	40
6	56	249	110	64	160	160	338	194	230	34	28	49
7	54	134	124	110	140	150	296	440	205	33	39	41
8	53	105	782	103	140	150	269	241	184	31	33	36
9	51	89	1180	250	130	160	251	187	132	91	28	34
10	51	81	452	377	130	160	269	162	103	61	27	32
11	49	77	325	813	130	160	326	148	86	40	26	32
12	47	76	325	574	130	180	319	139	112	37	24	166
13	48	583	334	362	130	251	265	152	126	34	24	95
14	49	271	310	253	120	164	271	135	92	35	26	67
15	105	213	256	213	120	154	322	126	88	48	24	52
16	102	157	227	233	110	164	331	182	73	44	24	45
17	80	130	230	180	122	171	374	139	70	41	28	48
18	71	122	202	180	171	219	362	122	63	35	26	45
19	63	110	187	170	236	302	403	114	61	39	23	106
20	61	250	140	160	205	1170	346	103	66	167	22	93
21	58	536	130	150	155	533	271	92	57	114	21	106
22	55	331	120	170	202	413	210	88	53	60	22	67
23	44	222	110	180	626	407	189	82	51	45	21	61
24	51	460	110	200	1550	407	202	76	48	70	38	81
25	53	449	110	300	2000	548	208	77	46	167	41	1000
26	55	304	100	250	749	458	177	72	45	65	54	2350
27	52	208	100	200	452	293	152	92	43	45	95	1090
28	51	179	100	300	344	278	143	83	43	38	43	445
29	50	169	100	350	---	245	132	69	50	36	50	239
30	49	148	100	400	---	245	124	69	57	34	280	171
31	50	---	100	250	---	205	---	89	---	22	74	---
TOTAL	1840	6027	6996	7238	9052	8792	8877	4497	2825	1661	1268	6814
MEAN	59.4	201	226	233	323	284	296	145	94.2	53.6	40.9	227
MAX	105	583	1180	813	2000	1170	1050	440	236	167	280	2350
MIN	44	46	100	64	110	150	124	69	43	22	21	32
CFSM	.53	1.78	2.00	2.06	2.86	2.51	2.62	1.28	.83	.47	.36	2.01
IN.	.61	1.98	2.30	2.38	2.98	2.89	2.92	1.48	.93	.55	.42	2.24
CAL YR 1974	TOTAL	66844	MEAN 183	MAX 1600	MIN 29	CFSM 1.62	IN 22.01					
WTR YR 1975	TOTAL	65887	MEAN 181	MAX 2350	MIN 21	CFSM 1.60	IN 21.69					

PEAK DISCHARGE (BASE, 1,900 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-9	0415	8.34	2,120	9-26	1945	9.61	2,700
2-25	0615	9.88	2,790				

04245000 LIMESTONE CREEK AT FAYETTEVILLE, N.Y.

LOCATION.--Lat 43°01'48", long 76°00'49", Onondaga County, on left bank 100 ft (30 m) downstream from bridge on Genesee Street at Fayetteville, and 8 mi (13 km) upstream from mouth.

DRAINAGE AREA.--85.5 mi² (221 km²), not including 14.0 mi² (36.3 km²) of Middle Branch Tioughnioga Creek basin, flow from which may be completely diverted into Limestone Creek basin through DeRuyter Reservoir, and 0.8 mi² (2.07 km²) in closed basin.

PERIOD OF RECORD.--November 1939 to current year.

GAGE.--Water-stage recorder. Datum of gage is 427.73 ft (130.372 m) above mean sea level (revised).

AVERAGE DISCHARGE.--35 years (1940-75), 139 ft³/s (3.936 m³/s).

EXTREMES.--Current year: Maximum discharge, 3,400 ft³/s (96.3 m³/s) Sept. 26 (gage height, 7.20 ft or 2.195 m); minimum, 22 ft³/s (0.62 m³/s) Aug. 20; (gage height, 1.44 ft or 0.439 m).

Period of record: Maximum discharge, 7,010 ft³/s (199 m³/s) Mar. 28, 1950 (gage height, 7.78 ft or 2.371 m), from rating curve extended above 3,500 ft³/s (99.1 m³/s); maximum gage height, 8.66 ft (2.640 m) July 3, 1974; minimum discharge, 1.4 ft³/s (0.040 m³/s) Aug. 19, 1969.

REMARKS.--Records poor. Canal diverts water from Limestone Creek about 3 mi (5 km) above station and returns water to creek about 400 ft (122 m) above station. Flow regulated by DeRuyter Reservoir.

REVISIONS (WATER YEARS).--WSP 954: 1941. WSP 1912: 1958(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			118	116	190	225	168	120	128	36	32	45
2	60	50	149	105	150	187	151	205	74	32	30	46
3	64	48	166	94	143	171	444	163	70	30	29	46
4	75	46	130	94	118	156	376	140	76	30	29	36
5	71	57	109	92	120	154	240	190	86	29	30	33
6	62	178										
7	55	248	122	80	110	151	237	163	220	28	30	35
8	50	133	122	90	110	161	219	411	175	27	35	35
9	51	106	731	86	100	283	198	199	120	27	32	30
10	50	93	1050	255	100	156	190	160	90	28	28	28
11	48	84	376	301	100	137	210	143	72	58	27	28
12	48	80	246	530	100	134	262	128	62	33	30	27
13	46	82	246	512	105	139	258	120	80	37	29	246
14	48	449	283	255	100	266	213	140	92	60	28	143
15	48	201	240	179	103	173	210	120	64	35	27	98
16	88	161	198	137	100	142	252	108	58	45	27	80
17	110	125	195	127	100	132	246	145	53	36	27	72
18	73	109	228	113	105	151	258	110	50	40	27	74
19	64	102	195	90	165	192	234	94	45	32	25	70
20	58	94	166	100	217	290	269	92	45	60	24	88
21	58	240	154	90	181	818	219	82	53	135	23	78
22	57	412	144	80	153	525	176	76	43	173	24	74
23	57	249	134	76	196	300	149	70	39	62	24	66
24	55	168	127	80	590	294	139	64	39	45	24	66
25	55	318	130	100	1350	269	151	62	40	64	28	86
26	53	332	132	139	1550	404	163	57	39	145	29	518
27	60	222	120	266	561	318	168	55	36	62	72	2060
28	53	163	116	137	308	207	150	76	35	46	105	1110
29	67	163	118	125	246	190	140	70	35	42	37	383
30	64	154	111	448	---	210	135	53	37	40	35	270
31	48	134	118	545	---	207	123	53	46	36	113	214
TOTAL	80	---	116	226	---	171	---	72	---	33	60	---
MEAN	1876	5001	6590	5668	7471	7313	6348	3741	2102	1586	1120	6185
MAX	60.5	167	213	183	267	236	212	121	70.1	51.2	36.1	206
MIN	110	449	1050	545	1550	818	444	411	220	173	113	2060
WTR	46	46	109	76	100	132	123	53	35	27	23	27

CAL YR 1974	TOTAL	61254	MEAN 168	MAX 2610	MIN 33
WTR YR 1975	TOTAL	55001	MEAN 151	MAX 2060	MIN 23

PEAK DISCHARGE (BASE, 1,500)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
2-25	0130	5.91	2,250	9-26	1130	7.20	3,400

STREAMS TRIBUTARY TO LAKE ONTARIO

04245200 BUTTERNUT CREEK NEAR JAMESVILLE, N.Y.

LOCATION.--Lat 42°56'02", long 76°03'44", Onondaga County, on left bank 15 ft (5 m) downstream from bridge on Walberger Road, 125 ft (38 m) downstream from tributary from Stebbins Gulf, 2.2 mi (3.5 km) upstream from Jamesville Reservoir, and 4 mi (6 km) south of Jamesville.

DRAINAGE AREA.--32.2 mi² (83.4 km²).

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1955-58. July 1958 to current year.

GAGE.--Water-stage recorder. Datum of gage is 717.93 ft (218.825 m) above mean sea level.

AVERAGE DISCHARGE.--17 years, 48.3 ft³/s (1.368 m³/s) (20.37 in/yr or 517.4 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,700 ft³/s (48.1 m³/s) Sept. 26 (gage height, 7.52 ft or 2.292 m); minimum, 7.0 ft³/s (0.20 m³/s) Aug. 22-24 (gage height, 4.22 ft or 1.286 m).
Period of record: Maximum discharge, 2,820 ft³/s (79.9 m³/s) July 3, 1974 (gage height, 7.84 ft or 2.390 m); minimum discharge, 2.0 ft³/s (0.057 m³/s) Sept. 27, 1959 (gage height, 2.26 ft or 0.689 m).

REMARKS.--Records fair, except those above 250 ft³/sec (7.1 m³/s) and those for winter periods, which are poor.

REVISIONS.--WRD N.Y. 1967: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	18	48	41	54	140	73	50	42	16	12	14
2	24	17	56	39	47	100	66	85	30	15	12	12
3	31	17	53	41	45	81	191	61	29	15	11	11
4	26	24	43	39	43	73	125	56	26	13	13	9.9
5	23	78	48	37	42	70	98	65	49	13	13	9.9
6	20	71	40	39	41	66	95	93	73	13	14	12
7	20	40	45	35	38	73	93	202	58	12	15	11
8	19	32	553	34	36	82	85	85	41	11	13	8.9
9	18	30	474	111	35	54	83	65	32	15	11	8.5
10	18	28	171	96	34	56	89	58	27	18	10	8.5
11	18	26	119	285	33	61	100	53	25	14	11	8.1
12	17	26	122	225	32	65	95	52	30	43	10	7.9
13	23	192	122	116	32	120	81	56	29	81	10	25
14	22	91	103	78	32	77	91	56	24	21	10	19
15	40	64	82	73	38	71	110	48	21	42	9.4	15
16	31	48	103	60	33	73	120	58	19	22	8.9	14
17	25	41	108	59	34	70	128	46	18	20	9.4	15
18	24	39	85	54	57	89	117	42	17	17	8.5	14
19	23	37	71	56	48	167	131	40	19	29	7.7	16
20	23	151	64	60	38	480	110	37	19	35	7.7	14
21	22	161	57	54	112	242	85	34	16	41	7.3	13
22	21	85	54	46	200	171	70	32	15	21	7.3	11
23	21	67	51	42	500	158	65	30	16	18	7.3	13
24	21	139	51	41	1000	139	75	28	24	37	12	26
25	21	139	51	50	800	202	75	26	24	58	9.9	226
26	20	93	47	111	450	155	63	26	19	24	67	870
27	19	73	44	51	300	110	55	36	18	19	40	254
28	19	67	44	45	200	98	52	28	18	18	12	112
29	19	62	43	275	---	105	49	25	23	18	10	82
30	18	56	44	124	---	98	46	25	19	15	35	66
31	19	---	41	74	---	79	---	34	---	13	16	---
TOTAL	683	2012	3037	2491	4354	3625	2716	1632	820	747	440.4	1997.8
MEAN	22.0	67.1	50.0	80.4	156	117	90.5	52.6	27.3	24.1	14.2	66.6
MAX	40	192	553	285	1000	480	191	202	73	81	67	870
MIN	17	17	40	34	32	54	46	25	15	11	7.3	8.1
CFSM	.68	2.08	3.04	2.50	4.84	3.63	2.81	1.63	.85	.75	.44	2.07
IN.	.79	2.32	3.51	2.88	5.03	4.19	3.14	1.89	.95	.86	.51	2.31
CAL YR 1974 TOTAL	22325.6			MEAN 61.2	MAX 989	MIN 8.1	CFSM 1.90	IN 25.79				
WTR YR 1975 TOTAL	24555.2			MEAN 67.3	MAX 1000	MIN 7.3	CFSM 2.09	IN 28.37				

PEAK DISCHARGE (BASE, 550 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-08	2130	6.37	1,020	3-20	1500	6.00	630
1-29	1100	6.09	716	8-26	2000	6.01	640
2-22	2000	b6.25	UNKNOWN	~26	0930	7.52	1,700
2-24	UNKNOWN	UNKNOWN	a1,600				

a.--About.

b.--Ice jam.

STREAMS TRIBUTARY TO LAKE ONTARIO

04246000 ONEIDA LAKE AT BREWERTON, N.Y.

LOCATION.--Lat 43°14'24", long 76°08'30", Onondaga County, at west end of Oneida Lake, 100 ft (30 m) west of bridge on U.S. Highway 11, at Brewerton.

DRAINAGE AREA.--1,382 mi² (3,579 km²), 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.

GAGE.--Water-stage recorder. Datum of gage is 362.00 ft (110.338 m) above mean sea level, Barge Canal datum.

EXTREMES.--Current year: Maximum gage height, 10.89 ft (3.319 m) Sept. 29; minimum, 6.67 ft (2.033 m) Feb. 19.

Period of record: Maximum gage height, 11.84 ft (3.609 m) June 26, 1972; minimum daily, 5.42 ft (1.652 m) Feb. 18, 19, 1961.

Flood of Mar. 29, 1936, reached a stage of 373.5 ft (113.84 m) above mean sea level, from Corps of Engineers report "Flood Plain Information, Oneida Creek - New York".

REMARKS.--Elevation of lake surface regulated by Tainter-gate dam on Oneida River at Caughdenoy and gates on Oneida Canal and Erie (Barge) Canal. Lake volume below 369 ft (112 m) elevation, 49,600 mil ft³ (1,404 hm³). Area of water surface, 79.8 mi² (207 km²); axes, 20.9 mi (33.6 km) by 5.5 mi (8.8 km); shoreline length, 54.7 mi (88.0 km).

REVISIONS--WRD N.Y. 1967: Drainage area.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.58	8.27	8.67	7.27	7.41	8.26	8.48	8.73	8.64	8.69	8.61	9.28
2	8.52	8.26	8.39	7.22	7.40	8.25	8.42	8.67	8.64	8.64	8.59	9.17
3	8.46	8.31	8.21	7.21	7.36	8.22	8.60	8.70	8.72	8.58	8.59	9.16
4	8.43	8.26	8.18	7.12	7.33	8.18	8.43	8.83	8.71	8.59	8.56	9.09
5	8.45	8.40	8.18	7.09	7.30	8.14	8.70	8.79	8.91	8.57	8.55	8.99
6												
7	8.39	8.44	8.18	7.07	7.24	8.08	8.77	8.76	8.89	8.59	8.55	8.88
8	8.23	8.50	8.18	6.98	7.19	8.04	8.80	8.73	8.88	8.57	8.52	8.83
9	8.27	8.51	8.01	6.97	7.15	7.98	8.75	8.74	9.05	8.53	8.48	8.72
10	8.28	8.52	8.10	6.96	7.10	7.96	8.69	8.70	9.09	8.52	8.48	8.54
11	8.19	8.54	8.33	7.02	7.05	7.90	8.66	8.66	9.07	8.54	8.45	8.62
12												
13	8.25	8.59	8.49	7.11	7.00	7.84	8.60	8.60	9.01	8.49	8.45	8.63
14	8.20	8.50	8.52	7.27	6.95	7.80	8.55	8.53	8.98	8.55	8.43	8.72
15	8.18	8.51	8.47	7.39	6.90	7.71	8.47	8.47	8.89	8.70	8.45	8.93
16	8.25	8.70	8.41	7.44	6.88	7.72	8.47	8.46	8.87	8.72	8.37	9.05
17	8.17	8.64	8.55	7.49	6.84	7.68	8.45	8.48	8.83	8.80	8.43	9.13
18												
19	8.29	8.55	8.58	7.45	6.81	7.64	8.39	8.46	8.73	8.89	8.48	9.08
20	8.26	8.57	8.27	7.44	6.79	7.59	8.39	8.56	8.75	8.92	8.42	9.02
21	8.27	8.46	8.08	7.41	6.76	7.58	8.49	8.60	8.70	8.93	8.31	9.12
22	8.29	8.40	8.14	7.34	6.74	7.60	8.36	8.60	8.71	8.91	8.36	9.01
23	8.29	8.40	8.02	7.29	6.75	7.67	8.37	8.62	8.71	9.00	8.34	8.88
24												
25	8.29	8.38	7.99	7.26	6.74	7.94	8.66	8.62	8.74	9.04	8.37	8.83
26	8.33	8.63	7.88	7.17	6.74	8.17	8.79	8.64	8.75	9.04	8.29	8.78
27	8.29	8.77	7.84	7.13	6.78	8.18	8.84	8.62	8.76	9.03	8.36	8.78
28	8.32	8.70	7.73	7.07	7.01	8.47	8.81	8.60	8.74	8.96	8.41	8.77
29	8.28	8.72	7.67	7.05	7.47	8.46	8.86	8.67	8.75	8.83	8.43	9.18
30												
31	8.28	8.76	7.63	7.06	7.87	8.47	8.80	8.61	8.78	8.79	8.44	9.56
MEAN												
MAX	8.31	8.53	8.06	7.20	7.14	8.08	8.62	8.63	8.81	8.73	8.51	9.18
MIN	8.58	8.81	8.67	7.49	8.23	8.71	8.86	8.83	9.09	9.04	9.23	10.86
	8.17	8.26	7.32	6.96	6.74	7.58	8.36	8.46	8.64	8.49	8.29	8.54

CAL YR 1974 MEAN 8.48 MAX 10.08 MIN 7.07
WTR YR 1975 MEAN 8.32 MAX 10.86 MIN 6.74

STREAMS TRIBUTARY TO LAKE ONTARIO

04246500 ONEIDA RIVER AT CAUGHDENY, N.Y.

LOCATION.--Lat 43°14'49", long 76°10'12", Oswego County, on left bank at point of diversion to New York State Erie (Barge) Canal, 1.6 mi (2.6 km) downstream from Oneida Lake, and 2.6 mi (4.2 km) upstream from navigation dam at Caughdeny.

DRAINAGE AREA.--1,382 mi² (3,579 km²); 1902-9, 1,439 mi² (3,727 km²).

PERIOD OF RECORD.--September 1902 to December 1909 (published as "near Euclid"), January 1910 to December 1912, and October 1947 to current year in reports of Geological Survey. September 1902 to December 1909 and January 1910 to September 1925 in reports of State Engineer and Surveyor.

GAGE.--Base gage: Water-stage recorder. Datum of gage is 362.00 ft (110.338 m) above mean sea level, Barge Canal datum. Prior to June 5, 1907, headwater readings, and June 5, 1907 to Dec. 31, 1909, nonrecording gage readings at former Oak Orchard State Dam 5.5 mi (8.8 km) downstream at different datum. Jan. 1, 1910 to Dec. 31, 1912, nonrecording gage at site 2.5 mi (4.0 km) downstream from present site, at different datum. From Oct. 9, 1947 to Nov. 7, 1951, water-stage recorder at site 2.5 mi (4.0 km) downstream at present datum.
Auxiliary gage: Water-stage recorder at site 2.5 mi (4.0 km) downstream, 350 ft (107 m) upstream from navigation dam, at present datum (base gage site 1947-51).
Supplementary gage: Water-stage recorder at site 2.6 mi (4.2 km) downstream, 180 ft (55 m) downstream from navigation dam, at present datum.

AVERAGE DISCHARGE.--38 years (1902-12, 1947-75), 2,505 ft³/s (70.94 m³/s).

EXTREMES.--Current year: Maximum daily discharge, 7,440 ft³/s (211 m³/s) Sept. 29; minimum daily, 186 ft³/s (5.27 m³/s) July 14.
1947 to current year: Maximum daily discharge, 10,100 ft³/s (286 m³/s) June 25, 1972; minimum daily, 62 ft³/s (1.76 m³/s) July 29, 1950.
Period of record: Maximum daily discharge, 13,800 ft³/s (391 m³/s) Mar. 25-27, 1903; minimum daily, 52 ft³/s (1.47 m³/s) Oct. 24, 1910.

REMARKS.--Records fair. Jan. 1, 1910 to Dec. 31, 1912: Flow over dam computed on basis of coefficient determined for model of dam of same general type; flow through gate and diversion through lock culverts estimated by theoretical calculations.
1947 to current year: Record represents total discharge at Caughdeny, including flow in Oneida and Erie (Barge) Canals. Considerable seasonal regulation by operation of gates in Oneida and Erie (Barge) Canals. A large amount of natural storage by Oneida Lake. Occasional large diurnal fluctuations caused by seiche 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 sq mi of Tioughnioga River basin may be diverted into De Ruyter Reservoir, in Oswego River basin.

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.

REVISIONS.--WRD N.Y. 1967: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1000	1040	3820	3120	3350	4220	4870	5150	770	668	637	392
2	1490	1040	4000	3090	3340	4130	4770	5050	740	641	641	1440
3	2190	1040	4210	3040	3270	4030	5070	5100	737	632	638	3020
4	2160	1030	4020	2940	3250	3940	4800	5320	733	647	639	3520
5	2250	1040	4100	2890	3210	3870	5240	5240	800	653	639	3470
6	2070	1070	4040	2880	3120	3770	5360	5210	834	624	639	3360
7	2140	1780	3940	2760	3050	3730	5410	5150	809	611	645	3420
8	2170	2090	4040	2750	2990	3700	5330	5160	827	337	645	3310
9	1420	2200	4240	2730	2930	3620	5220	4830	1590	212	646	2220
10	996	2210	4680	2820	2860	3590	5100	4220	2930	217	647	897
11	1010	1830	4930	2950	2800	3630	4920	4150	3420	213	647	896
12	1020	1810	5020	3160	2710	3760	4840	4110	3430	221	653	907
13	1030	2180	4920	3320	2630	4390	4800	3370	3380	254	652	964
14	1010	2730	4840	3380	2590	4410	4730	2660	3400	186	403	952
15	987	4040	4950	3450	2540	4890	4880	2980	3310	191	221	2630
16	995	4580	5260	3390	2520	4900	5080	1100	2220	242	201	2940
17	976	4500	4660	3390	2510	4910	5080	1120	915	509	200	2960
18	976	4440	4350	3340	2670	5210	5120	1130	849	630	212	3340
19	992	4440	4420	3240	3260	5330	5130	1140	697	625	221	3530
20	1000	4340	4260	3170	3860	5120	5060	1180	734	660	217	3500
21	998	4540	4230	3130	4280	4790	4890	1190	923	1750	201	3450
22	987	4760	4080	3010	4520	4980	5240	1220	940	2960	207	2710
23	989	4810	4000	2960	4580	5210	5320	1270	958	3180	214	2260
24	997	4680	3840	2880	4590	4690	5280	1270	912	3560	202	2120
25	1010	4820	3770	2850	4530	5240	5370	1270	876	3500	218	2600
26	1020	4880	3640	2840	4470	5350	5270	1250	741	3520	217	4560
27	1030	4850	3600	2910	4420	5480	5300	1200	675	3450	298	6170
28	1030	4610	3490	2930	4350	5390	5250	965	682	1750	277	6870
29	1030	4720	3400	2960	---	5290	5270	774	681	616	233	7440
30	1030	4380	3290	3160	---	5250	5120	788	681	624	296	7400
31	1030	---	3210	3310	---	5160	---	793	---	632	382	---
TOTAL	39033	96480	129250	94750	95200	141980	153120	85360	41194	34515	12788	93248
MEAN	1259	3216	4169	3056	3400	4580	5104	2754	1373	1113	413	3108
MAX	2250	4880	5260	3450	4590	5480	5410	5320	3430	3560	653	7440
MIN	976	1030	3210	2730	2510	3590	4730	774	675	186	200	392
CAL YR 1974	TOTAL	1173889	MEAN	3216	MAX	7510	MIN	616				
WTR YR 1975	TOTAL	1016918	MEAN	2786	MAX	7440	MIN	186				

04249000 OSWEGO RIVER AT LOCK 7, OSWEGO, N.Y.

LOCATION.--Lat 43°27'06", long 76°30'20", Oswego County, on right bank at lock 7 in Oswego, 0.8 mi (1.3 km) upstream from mouth.

DRAINAGE AREA.--5,098 mi² (13,204 km²).

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 664, have been found to be unreliable and should not be used.

GAGE.--Water-stage recorder. Datum of gage is 246.00 ft (74.981 m) above mean sea level, Barge Canal datum. Prior to 1933, nonrecording gage at site about 6 mi (10 km) upstream at different datum.

AVERAGE DISCHARGE.--42 years (1933-75), 6,505 ft³/s (184.2 m³/s).

EXTREMES.--Current year: Maximum daily discharge, 23,400 ft³/s (663 m³/s) Sept. 29; maximum gage height, 10.15 ft (3.094 m) Sept. 29; minimum daily, 772 ft³/s (21.9 m³/s) Aug. 17; minimum gage height, 2.00 ft (0.610 m) July 31.
Period of record: Maximum discharge, 37,500 ft³/s (1,060 m³/s) Mar. 28, 1936, includes mean daily discharge of canals; maximum gage height, 13.46 ft (4.103 m) Apr. 10, 1940; minimum discharge (river only), 30 ft³/s (0.85 m³/s) Nov. 6, 1944; minimum daily, 274 ft³/s (7.76 m³/s) Oct. 10, 1969; minimum gage height, 0.97 ft (0.296 m) Aug. 24, 1934.

REMARKS.--Records good. 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 summit levels of Erie (Barge) Canal between New London and Utica. During part of year entire flow from 45.5 mi² (118 km²) of Mud Creek drainage area may be diverted from Chemung River basin into Keuka Lake in Oswego River basin. Nearly all of flow from 14 mi² (36.3 km²) of the Toughnioga River basin may be diverted into De Ruyter Reservoir, in Oswego River basin. Water quality records published in Section 2 of this report.

COOPERATION.--Records of lockages at lock 7 furnished by New York State Department of Transportation, record of elevations of Lake Ontario by Corps of Engineers, daily discharge records for High Dam by Niagara Mohawk Power Corp.

REVISIONS.--WRD N.Y. 1967: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	3280	2670	10900	10800	11800	18100	10900	7970	2580	2920	2400	2340
3	3120	2520	10600	10300	11700	17200	10600	7940	3500	2010	2310	2660
4	4390	2320	9940	10400	11100	16300	11200	7970	3000	2140	2330	3930
5	5820	2480	9680	10200	10600	15400	12200	8110	2250	2290	2340	4780
6	5330	2360	9590	10000	10000	15000	12600	8780	2500	3220	2520	4880
7												
8	5300	3380	8780	9130	9470	14300	12400	9170	3750	3150	2270	4830
9	4320	3920	7860	8650	8630	14000	11600	10600	4760	2620	2310	4640
10	4150	4410	10100	8820	8720	14000	11400	11300	4780	1930	2400	4090
11	4220	4470	14800	9500	8310	14000	11800	10700	6220	1760	2290	3100
12	3600	4320	16400	10700	7980	13700	12400	10800	8020	1700	2310	2420
13												
14	3040	4180	15600	12300	6720	13200	12800	10300	9410	1640	2340	2400
15	2680	4360	15000	13600	5520	13000	12800	10100	9850	1650	2160	2420
16	2800	5930	14400	14600	6060	12800	12800	9940	9590	2790	2380	3700
17	3120	8200	13900	14400	5830	12800	12700	8560	9530	3870	1960	4320
18	2980	9290	13500	13400	5980	12600	12800	8220	9180	2190	1570	3930
19												
20	3570	9460	13400	12300	5560	12300	12000	6680	8170	2050	1410	4980
21	3550	9700	13000	11300	5350	11400	11600	6410	5510	2890	772	5960
22	2760	10100	12500	11100	5840	11600	11600	6380	4710	2940	1860	4980
23	2510	8520	12500	10600	6910	12100	11500	6140	3420	2650	1700	6140
24	2800	8170	11800	9710	7980	13600	10500	5820	3110	2930	1630	6650
25												
26	2920	10800	11500	8570	8720	14300	9410	4160	2890	4810	1300	5460
27	3340	11900	11800	8920	9100	14200	9320	4540	3110	6930	1450	5510
28	2780	11900	11700	8750	9790	14200	8590	3610	3220	5910	1550	4390
29	2340	13000	11500	8600	12900	14100	7800	3080	3220	5100	1540	3450
30	2760	13600	11400	8430	17700	14100	7690	3500	3060	6430	1570	5560
31												
32	2690	13600	11300	8830	18900	13900	8000	3360	2750	6410	1580	16200
33	2860	12800	11200	9040	18700	13200	8000	3430	3220	6380	2520	22700
34	2550	12400	11000	9410	18500	12600	7750	3020	3090	5510	2580	23200
35	2590	11200	10900	9270	---	11700	7720	2580	3130	2730	2380	23400
36	2750	10600	10700	11500	---	11400	7830	1730	3200	2120	2770	23000
37	2780	---	10500	11900	---	11100	---	2100	---	2080	2620	---
TOTAL	103700	232560	367750	325030	274370	422200	320310	207000	144730	103750	63122	216020
MEAN	3345	7752	11860	10480	9799	13620	10680	6677	4824	3347	2036	7201
MAX	5820	13600	16400	14600	18900	18100	12800	11300	9850	6930	2770	23400
MIN	2340	2320	7860	8430	5350	11100	7690	1730	2250	1640	772	2340
CAL YR 1974	TOTAL	2958330	MEAN	8105	MAX	19900	MIN	1500				
WTR YR 1975	TOTAL	2780542	MEAN	7618	MAX	23400	MIN	772				

STREAMS TRIBUTARY TO LAKE ONTARIO

04249910 BEAVERDAM BROOK AT ALTMAR, N.Y.

LOCATION.--Lat 43°30'31", long 75°59'35", Oswego County, on right bank 15 ft (4.6 m) upstream from bridge on County Highway 22 at Altmar, 0.3 mile (0.5 km) upstream from mouth, and 2.4 miles (3.9 km) southwest of Bennetts Bridge.

DRAINAGE AREA.--11.8 mi² (19.0 km²).

PERIOD OF RECORD.--April 1974 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 540 ft (164 m) from topographic map (nearest 10 ft).

EXTREMES.--Current year: Maximum discharge, 360 ft³/s (10.2 m³/s) Sept. 27 (gage height, 5.94 ft or 1.811 m); minimum, 6.4 ft³/s (0.18 m³/s) July 10 (gage height, 3.07 ft or 0.936 m).

Period of record: Maximum discharge, 360 ft³/s (10.2 m³/s) Sept. 27, 1975 (gage height, 5.94 ft or 1.811 m); minimum, 6.4 ft³/s (0.18 m³/s) July 10, 1975 (gage height, 3.07 ft or 0.936 m).

REMARKS.--Records fair. Occasional diurnal fluctuation.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	18	16	29	28	52	61	56	61	17	8.8	35	35
3	28	16	33	27	45	57	50	63	16	8.6	29	31
4	26	17	34	27	41	52	67	61	18	8.6	25	24
5	22	19	30	26	36	47	83	60	17	8.6	28	19
6	16	24	27	25	33	44	90	58	20	9.6	26	16
7												
8	14	31	30	25	33	44	86	54	29	11	22	14
9	13	29	29	26	31	42	78	50	43	10	18	13
10	17	25	84	27	30	42	71	44	52	9.2	15	12
11	24	29	257	34	30	36	61	38	44	9.2	15	11
12	22	32	191	39	29	35	55	34	32	9.4	20	11
13												
14	19	26	103	54	29	35	52	30	25	9.6	25	10
15	19	22	68	101	28	36	48	27	27	9.2	23	16
16	23	44	57	96	27	37	48	27	27	12	20	18
17	35	50	52	59	27	34	47	27	25	11	23	23
18	33	45	46	48	27	35	51	27	24	34	24	22
19												
20	37	34	42	45	27	34	59	28	22	28	24	20
21	38	27	44	43	27	35	76	27	19	17	20	20
22	41	22	38	40	30	37	120	27	16	13	20	18
23	40	20	39	38	32	47	192	27	16	33	18	24
24	35	27	38	35	33	100	270	26	22	67	24	25
25												
26	30	82	35	34	31	134	224	26	22	75	27	26
27	26	127	33	34	31	132	159	24	19	64	16	22
28	24	52	31	33	34	132	132	22	18	55	14	18
29	22	66	29	31	47	132	152	20	16	64	20	18
30	22	86	27	34	78	158	178	18	14	75	19	38
31												
32	20	80	27	44	92	156	135	17	11	60	17	237
33	23	54	28	44	82	117	101	17	9.6	50	30	334
34	20	36	28	44	68	106	88	16	9.4	67	20	212
35	18	35	28	48	---	89	75	15	9.4	58	19	115
36	17	30	28	57	---	75	66	16	8.8	50	56	74
37	17	---	28	54	---	63	---	16	---	44	64	---
TOTAL	759	1233	1593	1300	1110	2184	2970	1003	648.2	988.8	756	1476
MEAN	24.5	41.1	51.4	41.9	39.6	70.5	99.0	32.4	21.6	31.9	24.4	49.2
MAX	41	127	257	101	92	158	270	63	52	75	64	334
MIN	13	16	27	25	27	34	47	15	8.8	8.6	14	10
CFSM	2.08	3.48	4.36	3.55	3.36	5.97	8.39	2.75	1.83	2.70	2.07	4.17
IN.	2.39	3.89	5.02	4.10	3.50	6.88	9.36	3.16	2.04	3.12	2.38	4.65

WTR YR 1975 TOTAL 16021.0 MEAN 43.9 MAX 334 MIN 8.6 CFMS 3.72 IN 50.50

PEAK DISCHARGE (BASE, 250 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-09	1300	5.47	280	09-27	0550	5.94	360
04-20	1215	5.46	278				

STREAMS TRIBUTARY TO LAKE ONTARIO

04250750 SANDY CREEK NEAR ADAMS, N.Y.

LOCATION.--Lat 43°48'48", long 76°04'30", Jefferson County, on left bank 250 ft (76 m) upstream from highway bridge on Liberty Street, 0.2 mi (0.3 km) downstream from tributary, 2.5 mi (4.0 km) downstream from Adams, and 10.0 mi (16.1 km) upstream from mouth.

DRAINAGE AREA.--128 mi² (332 km²).

PERIOD OF RECORD.--August 1957 to current year.

GAGE.--Water-stage recorder. Datum of gage is 523.71 ft (159.627 m) above mean sea level.

AVERAGE DISCHARGE.--18 years, 249 ft³/s (7.052 m³/s) (26.42 in/yr or 671.1 mm/yr).

EXTREMES.--Current year: Maximum discharge, 5,550 ft³/s (157 m³/s) Sept. 26 (gage height, 8.66 ft or 2.639 m); minimum, 6.6 ft³/s (0.19 m³/s) Aug. 24 (gage height, 0.89 ft or 0.271 m).

Period of record: Maximum discharge, 11,800 ft³/s (334 m³/s) Apr. 4, 1963 (gage height, 11.01 ft or 3.356 m), from rating curve extended above 5,500 ft³/s (156 m³/s) on basis of slope-area measurement of peak flow; minimum, 1.5 ft³/s (0.042 m³/s) Sept. 17, 18, 1963, Aug. 19, 1964; minimum daily, 2.2 ft³/s (0.062 m³/s) Sept. 7, 11, 1960, Sept. 17, 1963, Aug. 16, Sept. 22, 1964.

REMARKS.--Records good except those for winter periods, which are poor. Moderate diurnal fluctuation at low flow caused by mills above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	73	44	189	130	458	473	357	314	184	18	18	25
2	48	46	170	130	312	387	308	343	123	16	15	22
3	42	42	160	120	249	324	892	286	73	15	14	32
4	38	50	150	120	178	265	1090	244	54	14	15	34
5	34	92	147	110	170	240	672	240	76	13	16	28
6	30	122	173	114	160	230	553	212	278	12	14	23
7	26	122	167	144	150	220	463	194	289	11	13	21
8	28	82	2580	139	140	210	396	162	187	25	13	18
9	26	65	2020	332	140	200	348	139	100	17	11	15
10	24	56	892	510	140	190	324	120	70	15	9.8	13
11	23	51	605	1940	130	190	320	105	223	18	16	12
12	23	48	494	1380	130	197	320	96	163	16	15	18
13	23	666	473	723	130	388	304	99	279	17	15	28
14	31	439	434	468	130	430	300	94	169	18	28	31
15	127	396	308	324	120	339	420	87	105	29	18	32
16	119	263	336	278	119	293	515	120	81	32	15	25
17	81	260	396	220	139	268	710	105	70	30	13	29
18	122	396	363	200	189	304	1020	85	56	27	10	33
19	80	410	321	180	239	233	2650	73	51	26	9.3	35
20	57	565	293	160	207	2180	1730	66	53	25	8.3	45
21	46	1590	268	170	187	1510	945	59	45	120	7.9	56
22	44	750	224	180	181	1210	647	55	39	54	8.3	50
23	41	434	200	180	361	1500	617	52	33	30	7.4	37
24	39	992	180	190	1210	1190	1040	47	30	23	8.3	32
25	41	1390	170	200	1960	2150	623	43	27	36	12	130
26	57	629	160	400	984	1490	415	40	24	32	16	4130
27	49	370	150	350	611	812	344	41	22	25	32	1490
28	40	316	150	330	542	599	324	41	21	37	28	685
29	36	256	150	450	---	548	304	37	21	39	19	410
30	35	201	140	1050	---	542	324	41	19	29	34	281
31	38	---	140	653	---	406	---	46	---	22	36	---
TOTAL	1521	11143	12603	11875	9666	19518	19275	3686	2965	841	495.3	7820
MEAN	49.1	371	407	383	345	630	643	119	98.8	27.1	16.0	261
MAX	127	1590	2580	1940	1960	2180	2650	343	289	120	36	4130
MIN	23	42	140	110	119	190	300	37	19	11	7.4	12
CFSM	.38	2.90	3.18	2.99	2.70	4.92	5.02	.93	.77	.21	.13	2.04
IN.	.44	3.24	3.66	3.45	2.81	5.67	5.60	1.07	.86	.24	.14	2.27
CAL YR 1974	TOTAL	99103.0	MEAN 272	MAX 4730	MIN	11	CFSM 2.13	IN 28.80				
WTR YR 1975	TOTAL	101408.3	MEAN 278	MAX 4130	MIN	7.4	CFSM 2.17	IN 29.47				

PEAK DISCHARGE (BASE, 3,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-08	1730	7.69	4,500	04-19	1100	6.88	3,610
01-11	1700	6.50	3,230	09-26	0930	8.66	5,550
02-24	2400	6.29	3,020				

04252000 BLACK RIVER CANAL (FLOWING SOUTH) NEAR BOONVILLE, N.Y.

LOCATION.--Lat 43°27'21", long 75°19'27", Oneida County, on left bank at former lock 69, 200 ft (61 m) downstream from bridge on State Highway 46, 2.0 mi (3.2 km) south of Boonville.

PERIOD OF RECORD.--September 1915 to current year (canal seasons only prior to October 1942 and since October 1957).

GAGE.--Water-stage recorder and concrete control. Datum of gage is 1,105.56 ft (336.975 m) above mean sea level. Prior to June 7, 1929, station was operated as a slope station on summit level of canal. Auxiliary water-stage recorder with concrete control on right bank of Lansing Kill spillway, 100 ft (30 m) downstream from spillway and headgate, 600 ft (183 m) upstream from Lock 70, and 0.3 mi (0.5 km) upstream from lock 69.

EXTREMES.--1915 to current year: Maximum daily discharge recorded, 323 ft³/s (9.15 m³/s) Nov. 1915; practically no flow at times when no water is being diverted.

REMARKS.--Records poor. This record shows combined flow in Black River Canal and Lansing Kill spillway, and represents total diversion from Black River at Forestport, through Forestport feeder, into Mohawk River basin. Discharge during periods when no water was diverted, made up of leakage through headgates and runoff from area draining into canal above station.

REVISIONS (WATER YEARS).--WRD N.Y. 1974: 1973.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	63	51					---	3.9	2.5	45	54	34
2	65	51					---	3.9	2.7	45	54	39
3	63	51					---	3.9	2.5	44	53	54
4	60	53					---	3.7	2.9	43	53	54
5	56	57					---	3.5	12	43	53	51
6							---	3.5	27	42	52	50
7	55	60					---	3.4	37	41	52	50
8	54	56					---	3.2	41	40	52	48
9	51	55					---	3.1	38	46	52	47
10	51	54					---	3.1	34	56	51	47
11		53					---	3.1	33	58	51	47
12	51	53					---	3.0	40	59	51	72
13	50	43					---	3.2	51	58	51	4.6
14	52	27					---	3.2	47	54	50	3.2
15	56	22					---	3.1	48	52	50	3.1
16							---	3.1	46	52	50	3.2
17	55	16					---	3.1	46	53	50	3.1
18	54	11					---	3.1	44	53	49	3.1
19	54	8.2					---	3.1	45	54	49	3.1
20	52	7.2					---	3.1	45	55	49	3.2
21		14					---	3.1	45	55	49	3.4
22	51	34					---	3.1	45	55	48	3.3
23	50	23					3.3	3.0	44	55	48	3.2
24	50	15					3.2	3.0	44	55	48	3.2
25	50	14					3.4	2.9	43	55	48	3.2
26	51	21					3.3	2.9	44	55	48	22
27	51	15					3.2	3.0	44	55	53	64
28	51	9.6					3.1	2.6	44	55	60	12
29	50	8.0					2.9	2.4	45	55	54	3.5
30	50	7.0					2.9	2.2	45	55	50	3.0
31	50	6.0					3.7	2.0	44	55	70	2.9
	51	---					---	2.4	---	54	56	---
TOTAL							---	95.8	1087.6	1597	1610	740.1
MEAN	1651	948.0					---	3.09	36.3	51.5	51.9	24.7
MAX	53.3	31.6					---	3.9	51	59	70	72
MIN	65	60					---	2.0	2.5	40	48	2.9
	50	6.0					---					

Note.--No gage-height record July 1 to Aug. 25.

04252500 BLACK RIVER NEAR BOONVILLE, N.Y.

LOCATION.--Lat 43°30'42", long 75°18'25", Oneida County, on left bank at downstream side of bridge on Moose River Road, 0.8 mi (1.3 km) upstream from Sugar River, and 2 mi (3 km) northeast of Boonville.

DRAINAGE AREA.--295 mi² (764 km²).

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

GAGE.--Water-stage recorder. Datum of gage is 935.50 ft (285.140 m) above mean sea level. Prior to Sept. 27, 1933, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--64 years, 686 ft³/s (19.43 m³/s).

EXTREMES.--Current year: Maximum discharge, 6,160 ft³/s (174 m³/s) Sept. 27 (gage height, 9.28 ft or 2.829 m); minimum, 90 ft³/s (2.55 m³/s) July 9 (gage height, 3.64 ft or 1.109 m); minimum daily, 98 ft³/s (2.78 m³/s) July 9.
 Period of record: Maximum discharge, 12,400 ft³/s (351 m³/s) Mar. 28, 1913 (gage height, about 12.5 ft (3.81 m), from floodmarks); minimum observed, about 5 ft³/s (0.14 m³/s) Aug. 26, 1918 (gage height, 2.40 ft or 0.732 m); minimum daily, 7 ft³/s (0.20 m³/s) Aug. 26, 1918.

REMARKS.--Records good except those for winter periods, which are fair. Occasional regulation by several headwater reservoirs. Forestport feeder diverts water from State Pond at Forestport 9 mi (14 km) upstream. That portion of diverted water which does not pass Black River Canal (flowing south), see station 04252000, returns to Black River below station through Mill Creek sluiceway. Slight diurnal fluctuation at medium and low flow caused by mill above station.

REVISIONS (WATER YEARS).--WSP 759: Drainage area. WSP 784: 1934. WSP 1084: 1912(M), 1913, 1917-1919(M), 1922(M), 1924(M), 1926(M), 1928(M), 1930(M), 1933(M). WSP 1307: 1914(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	550	281	560	430	1300	1100	754	2520	740	159	171	522
2	505	277	540	420	1020	924	690	2600	712	148	162	358
3	456	261	520	350	923	802	1040	2470	658	133	162	517
4	429	347	500	410	822	695	1790	2310	668	128	159	434
5	397	546	480	380	780	607	1650	2700	585	122	174	311
6	366	995	480	340	800	560	1240	2410	712	117	174	260
7	334	923	500	400	700	540	976	1970	874	117	190	249
8	289	713	1050	400	620	500	853	1620	868	111	226	216
9	273	569	3040	450	560	450	766	1390	768	98	209	184
10	261	460	2800	678	480	470	725	1170	647	130	177	162
11	257	415	1790	790	450	490	702	1030	536	181	165	148
12	245	379	1290	1210	440	470	679	952	560	226	162	1050
13	237	1140	1010	1140	430	520	651	979	952	239	168	3410
14	281	1990	820	700	420	540	630	932	862	253	209	1890
15	573	1780	720	560	420	520	713	850	605	267	162	1000
16	1040	1370	660	520	430	500	803	913	475	263	139	658
17	898	995	640	450	420	500	1080	959	475	289	130	555
18	778	834	640	470	420	500	1590	780	425	249	128	522
19	635	736	630	520	430	560	2590	690	383	236	114	652
20	487	859	616	480	450	1310	4280	616	350	330	106	939
21	415	2390	583	450	420	1900	3370	546	300	707	106	993
22	384	3260	546	440	410	1970	2430	517	260	555	114	844
23	352	1980	540	420	430	1880	2180	484	236	378	111	679
24	330	1250	528	450	580	1680	2800	448	222	311	130	636
25	322	1350	500	600	1300	1750	3860	421	206	461	153	1150
26	352	1600	420	860	1860	1890	3250	387	199	425	346	4760
27	343	1200	450	1100	1580	1400	2630	374	187	311	734	5610
28	318	1020	480	1000	1310	1230	2140	374	174	236	526	3100
29	293	740	470	940	---	1110	2020	342	177	196	326	1740
30	265	620	440	1100	---	949	2190	338	171	181	1200	1160
31	273	---	350	1480	---	828	---	565	---	177	1080	---
TOTAL	12938	31280	24593	19948	20205	29145	51072	34657	14987	7734	8113	34709
MEAN	417	1043	793	643	722	940	1702	1118	500	249	262	1157
MAX	1040	3260	3040	1480	1860	1970	4280	2700	952	707	1200	5610
MIN	237	261	350	340	410	450	630	338	171	98	106	148
CAL YR 1974	TOTAL	318871	MEAN 874	MAX 4630	MIN 166							
WTR YR 1975	TOTAL	289381	MEAN 793	MAX 5610	MIN 98							

PEAK DISCHARGE (BASE, 3,900 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
04-20	1615	8.65	4,550	09-27	0245	9.28	6,160
04-25	0915	8.40	4,000				

04256000 INDEPENDENCE RIVER AT DONNATTSBURG, N.Y.

LOCATION.--Lat 43°44'50", long 75°20'05", Lewis County, on right bank at downstream side of highway bridge on Donnattsburg Road at Donnattsburg, 1.2 mi (1.9 km) downstream from Chase Lake Outlet, 4.2 mi (6.8 km) northeast of Glenfield, and 5.0 mi (8.0 km) upstream from mouth.

DRAINAGE AREA.--91.7 mi² (238 km²).

PERIOD OF RECORD.--July 1942 to current year.

GAGE.--Water-stage recorder. Datum of gage is 972.84 ft (296.522 m) above mean sea level. Prior to Sept. 16, 1949, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--33 years, 186 ft³/s (5.268 m³/s) (27.53 in/yr or 699.3 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,550 ft³/s (72.2 m³/s) Sept. 26 (gage height, 7.72 ft (2.353 m); minimum, 25 ft³/s (0.71 m³/s) Aug. 21, (gage height, 2.96 ft or 0.902 m).

Period of record: Maximum discharge, 3,459 ft³/s (97.7 m³/s) May 20, 1969 (gage height, 8.72 ft or 2.658 m) from rating curve extended above 2,000 ft³/s (56.6 m³/s); minimum observed, 18 ft³/s (0.51 m³/s) Sept. 17, 1948, Aug. 4, 5, 1949 (gage height, 2.85 ft or 0.869 m).

REMARKS.--Records good except those for winter periods, which are poor. Water-quality records for the current year are published in Section 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	80	71	140	88	370	331	200	895	133	35	69	140
2	75	74	140	86	330	270	181	871	125	34	58	104
3	77	69	130	86	290	225	233	770	102	33	53	102
4	77	77	110	84	250	208	395	741	95	33	48	109
5	72	109	90	84	250	180	419	758	102	33	44	92
6												
7	67	181	94	82	260	140	357	702	137	34	39	78
8	62	184	110	80	240	130	277	538	183	31	39	68
9	62	149	398	80	200	120	233	455	225	31	44	62
10	60	121	1300	84	160	110	205	403	210	34	44	54
11	58	104	842	100	130	110	184	342	161	34	43	49
12	68	94	445	180	110	110	174	293	119	33	41	47
13	58	89	310	489	100	110	169	261	115	33	38	184
14	56	290	255	485	96	110	161	248	183	35	39	503
15	58	552	222	331	90	130	154	230	176	37	42	310
16	69	464	183	225	86	120	174	200	129	71	39	200
17	95	353	181	170	84	130	202	225	104	77	37	138
18	99	267	173	140	80	120	283	230	92	58	35	119
19	99	225	168	130	78	120	451	192	81	48	33	123
20	99	228	153	120	76	130	1030	171	74	42	30	144
21	84	290	130	120	74	250	1730	149	71	39	28	164
22	75	1220	120	120	74	400	1250	131	64	62	27	164
23	71	1270	110	120	74	560	770	119	58	151	27	144
24	68	534	110	130	76	540	654	109	56	138	27	117
25	65	372	110	130	100	460	907	95	49	97	31	108
26	68	566	100	120	250	470	1270	87	46	147	34	192
27	77	614	90	130	419	538	963	83	42	127	81	1810
28	81	368	110	300	407	489	665	84	39	89	257	1890
29	77	283	100	300	387	407	534	84	38	192	245	871
30	71	236	90	220	---	324	538	78	38	248	136	468
31	67	184	90	300	---	261	660	77	36	136	181	317
	68	---	90	400	---	225	---	99	---	89	222	---
TOTAL												
MEAN	2263	9638	6694	5514	5141	7828	15423	9720	3083	2281	2111	8871
MAX	73.0	321	216	178	184	253	514	314	103	73.6	68.1	296
MIN	99	1270	1300	489	419	560	1730	895	225	248	257	1890
CFSM	56	69	90	80	74	110	154	77	36	31	27	47
IN.	.80	3.50	2.36	1.94	2.01	2.76	5.61	3.42	1.12	.80	.74	3.23
	.92	3.91	2.72	2.24	2.09	3.18	6.26	3.94	1.25	.93	.86	3.60

CAL YR 1974	TOTAL	77014	MEAN	211	MAX	1950	MIN	36	CFSM	2.30	IN	31.24
WTR YR 1975	TOTAL	78567	MEAN	215	MAX	1890	MIN	27	CFSM	2.34	IN	31.87

PEAK DISCHARGE (BASE, 1,200 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
11-21							
12-09	2130	6.87	1,830	04-25	1130	6.19	1,320
04-20	1500	6.36	1,440	09-26	2000	7.72	2,550
	1130	6.85	1,810				

04256500 STILLWATER RESERVOIR NEAR BEAVER RIVER, N.Y.

LOCATION--Lat 43°53'50", long 75°03'05", Herkimer County, in gatehouse at Stillwater Dam on Beaver River, 2.5 mi (4.0 km) upstream from Moshier Creek, and 7.5 mi (12.1 km) west of Beaver River Post Office.

DRAINAGE AREA.--172 mi² (445 km²).

PERIOD OF RECORD--May 1908 to current year. Prior to February 1925, month-end contents only, published in WSP 1307. February 1925 to September 1937, compiled in WSP 824.

GAGE.--Nonrecording gage read once daily and prior to reservoir gate changes. Datum of gage is at mean sea level, adjustment of 1912.

EXTREMES.--Current year: Maximum observed elevation, 1,677.52 ft (511.308 m) June 16, 17 (contents, 4,211 mil ft³ or 119.3 hm³); minimum observed, 1,658.81 ft (505.605 m) Mar. 19 (contents, 688 mil ft³ or 19.5 hm³).

Period of record: Maximum observed elevation, 1,680.08 ft (512.088 m) May 20, 1969 (contents, 4,939 mil ft³ or 140 hm³); minimum observed since first filling, 1,644.80 ft (501.335 m) Mar. 25-27, 1949 (contents, 8 mil ft³ or 0.227 hm³).

REMARKS.--Reservoir originally formed about 1885; enlarged at various times and in 1924 enlarged to a usable capacity of 4,623 mil ft³ (131 hm³) between elevations 1,650.3 ft (503.01 m) and 1,679.3 ft (511.85 m) (top of 24-inch flashboards in place throughout year). Elevation of gate sill of lowest outlet, 1,642.3 ft (500.57 m). Capacity below elevation 1,650.3 ft (503.01 m), 90 mil ft³ (2.55 hm³), is included in records presented herein, but is not ordinarily available for release. Reservoir is used to regulate flow of Beaver and Black Rivers for flood control, power development, and general public welfare.

COOPERATION.--Records furnished by Board of Hudson River-Black River Regulating District.

Capacity table, current year (elevation, in feet, and contents, in millions of cubic feet)

1,658.0	604	1,670.0	2,431
1,660.0	821	1,675.0	3,556
1,665.0	1,518	1,680.0	4,916

ELEVATION, IN FEET ABOVE MEAN SEA LEVEL, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1670.59	1666.52	1671.34	1671.08	1667.96	1664.08	1661.41	1670.68	1676.75	1676.56	1673.25	1668.97
2	1670.49	1666.36	1671.40	1670.93	1667.86	1664.16	1661.42	1671.38	1676.78	1676.40	1673.15	1669.03
3	1670.38	1666.19	1671.40	1670.77	1667.72	1664.22	1661.47	1671.96	1676.80	1676.27	1672.98	1669.00
4	1670.29	1666.00	1671.42	1670.63	1667.58	1664.24	1661.77	1672.57	1676.79	1676.11	1672.82	1668.95
5	1670.20	1665.93	1671.37	1670.48	1667.45	1663.83	1661.98	1673.17	1676.80	1675.95	1672.72	1668.88
6	1670.09	1665.83	1671.33	1670.29	1667.30	1663.44	1662.10	1673.72	1676.86	1675.81	1672.56	1668.87
7	1669.95	1665.84	1671.29	1670.14	1667.16	1663.04	1662.16	1674.21	1676.89	1675.65	1672.37	1668.73
8	1669.84	1665.82	1671.37	1669.86	1667.00	1662.68	1662.07	1674.67	1677.07	1675.50	1672.24	1668.63
9	1669.68	1665.98	1671.98	1669.82	1666.85	1662.27	1661.90	1674.98	1677.20	1675.40	1672.07	1668.49
10	1669.50	1665.70	1672.46	1669.67	1666.68	1661.86	1661.71	1675.30	1677.22	1675.28	1671.89	1668.41
11	1669.39	1665.64	1672.74	1669.52	1666.46	1661.45	1661.53	1675.56	1677.22	1675.12	1671.72	1668.30
12	1669.17	1665.56	1672.83	1669.54	1666.23	1661.03	1661.33	1675.77	1677.23	1674.95	1671.56	1668.41
13	1668.97	1665.65	1672.89	1669.75	1666.02	1660.62	1661.13	1676.00	1677.33	1674.77	1671.38	1668.59
14	1668.92	1665.98	1672.93	1669.77	1665.78	1660.19	1660.92	1676.18	1677.40	1674.60	1671.22	1668.80
15	1668.94	1666.23	1672.95	1669.64	1665.55	1659.94	1660.72	1676.34	1677.47	1674.53	1670.99	1668.93
16	1668.74	1666.45	1672.96	1669.53	1665.36	1659.67	1660.54	1676.43	1677.52	1674.50	1670.77	1668.88
17	1668.62	1666.68	1672.96	1669.46	1665.15	1659.38	1660.39	1676.54	1677.52	1674.42	1670.54	1668.87
18	1668.54	1666.84	1672.82	1669.33	1664.95	1659.10	1660.56	1676.60	1677.47	1674.33	1670.30	1668.85
19	1668.39	1667.04	1672.68	1669.25	1664.73	1658.81	1661.17	1676.64	1677.46	1674.17	1670.08	1668.86
20	1668.26	1667.23	1672.61	1669.13	1664.50	1658.86	1662.70	1676.67	1677.43	1674.00	1669.84	1668.84
21	1668.10	1667.96	1672.50	1668.98	1664.25	1659.23	1663.87	1676.71	1677.37	1673.92	1669.59	1668.84
22	1667.95	1668.78	1672.38	1668.84	1664.00	1659.57	1664.61	1676.72	1677.30	1673.87	1669.36	1668.81
23	1667.82	1669.16	1672.27	1668.67	1663.76	1659.85	1665.22	1676.74	1677.24	1673.80	1669.12	1668.77
24	1667.67	1669.46	1672.13	1668.52	1663.53	1660.09	1665.94	1676.74	1677.18	1673.70	1668.89	1668.73
25	1667.51	1669.88	1672.03	1668.38	1663.53	1660.32	1667.01	1676.75	1677.12	1673.67	1668.69	1668.73
26	1667.38	1670.33	1671.89	1668.33	1663.94	1660.63	1667.86	1676.67	1677.04	1673.60	1668.55	1669.77
27	1667.24	1670.63	1671.75	1668.28	1664.00	1660.89	1668.51	1676.64	1676.95	1673.50	1668.58	1670.93
28	1667.09	1670.85	1671.52	1668.20	1664.01	1661.08	1669.03	1676.64	1676.87	1673.50	1668.51	1671.48
29	1666.93	1671.06	1671.47	1668.03	---	1661.20	1669.51	1676.62	1676.83	1673.48	1668.56	1671.82
30	1666.78	1671.20	1671.33	1668.03	---	1661.30	1670.03	1676.58	1676.71	1673.41	1668.76	1672.05
31	1666.65	---	1671.20	1667.98	---	1661.36	---	1676.63	---	1673.33	1668.91	---
MEAN	1668.71	1667.43	1672.07	1669.38	1665.69	1661.24	1663.35	1675.45	1677.13	1674.65	1670.71	1669.17
MAX	1670.59	1671.20	1672.96	1671.08	1667.96	1664.24	1670.03	1676.75	1677.52	1676.56	1673.25	1672.05
MIN	1666.65	1665.56	1671.20	1667.98	1663.53	1658.81	1660.39	1670.68	1676.71	1673.33	1668.51	1668.30
(#)	1,780	2,701	2,664	2,035	1,371	1,751	2,526	3,994	3,967	3,144	2,222	2,892
(#)	-290	+355	-13.8	-235	-274	+142	+299	+548	-10.4	-307	-344	+258
CAL YR 1974	MEAN	1672.98	MAX	1678.49	MIN	1665.56	#	-32.4				
WTR YR 1975	MEAN	1669.62	MAX	1677.52	MIN	1658.81	#	+10.6				

(#) Contents, in millions of cubic feet, at 2400 on last day of month by interpolation.

(#) Change in contents, equivalent in cubic feet per second.

04257000 BEAVER RIVER BELOW STILLWATER DAM, NEAR BEAVER RIVER, N.Y.

LOCATION.--Lat 43°53'50", long 75°03'05", Herkimer County, in gatehouse at Stillwater Dam, 2.5 mi (4.0 km) upstream from Moshier Creek and 7.5 mi (12.1 km) west of Beaver River Post Office.

DRAINAGE AREA.--172 mi² (445 km²).

PERIOD OF RECORD.--May 1908 to current year. Published as "at State dam, near Beaver River" prior to June 1924.

GAGE.--Nonrecording gage read once daily and after reservoir gate changes. Datum of gage is at mean sea level, adjustment of 1912. Prior to June 1, 1924, nonrecording gage at present site and datum. June 1, 1924 to Nov. 14, 1929, nonrecording gage at site 1,000 ft (305 m) downstream at same datum.

AVERAGE DISCHARGE.--67 years, 368 ft³/s (10.42 m³/s) (unadjusted).

EXTREMES.--Current year: Maximum daily discharge, 1,730 ft³/s (49.0 m³/s) Mar. 5; minimum daily, 57 ft³/s (1.61 m³/s) June 8. Period of record: Maximum discharge, about 3,700 ft³/s (105 m³/s) May 3, 1926; practically no flow at times when gates in dam were closed.

REMARKS.--Records poor. Flow regulated by Stillwater Reservoir (see station 04256500). Discharge determined from ratings for gates and spillway of Stillwater Dam applied to log of reservoir elevation and gate operation.

COOPERATION.--Records furnished by Board of Hudson River-Black River Regulating District.

REVISIONS (WATER YEARS).--WSP 714: Drainage area. WRD N.Y. 1967: 1966. WRD N.Y. 1973: 1971.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	430	537	292	617	633	323	388	67	308	584	360	65
3	429	561	413	616	633	323	388	68	308	583	501	289
4	428	560	413	614	631	323	389	69	308	581	599	412
5	427	558	413	613	629	700	391	70	308	580	598	411
	427	556	412	611	626	1730	395	70	308	579	597	410
6												
7	426	474	412	609	624	1020	397	71	308	577	596	410
8	467	351	412	607	623	1000	475	72	140	576	594	409
9	537	351	194	605	621	993	636	72	57	575	593	408
10	536	351	74	603	618	980	633	72	226	574	591	407
	535	350	75	602	666	968	629	72	310	572	589	406
11												
12	560	349	302	601	718	955	625	73	310	603	587	406
13	675	349	424	251	715	942	621	73	310	619	585	406
14	527	349	424	293	713	927	617	74	226	617	584	178
15	65	351	424	544	709	837	612	74	58	616	650	64
	468	297	424	612	660	678	608	166	59	439	682	295
16												
17	595	67	563	610	635	674	604	306	229	343	680	410
18	525	68	759	609	653	667	522	307	314	342	678	410
19	524	68	818	607	691	659	215	307	313	429	674	410
20	523	69	754	607	688	483	178	307	312	563	672	410
	521	69	636	606	684	350	98	308	358	562	668	410
21												
22	520	69	635	604	680	354	59	308	357	561	665	409
23	518	70	634	602	676	358	60	308	382	484	662	409
24	517	71	632	600	671	364	62	308	381	363	659	409
25	516	71	631	598	666	368	62	308	381	362	655	408
	514	104	630	597	375	370	63	308	381	362	653	232
26												
27	512	72	629	595	467	374	64	308	381	362	590	65
28	510	72	627	595	674	379	67	307	380	362	552	66
29	508	72	625	650	543	382	66	307	379	362	237	67
30	506	73	623	651	---	384	66	307	379	361	65	69
31	504	73	621	635	---	385	66	307	509	360	65	70
	503	---	619	634	---	387	---	307	---	360	65	---
TOTAL												
MEAN	15253	7432	15544	18198	17922	19637	10056	6081	8980	15213	16946	9230
MAX	492	248	501	587	640	633	335	196	299	491	547	308
MIN	675	561	818	651	718	1730	636	308	509	619	682	412
	65	67	74	251	375	323	59	67	57	342	65	64
CAL YR	1974	TOTAL	180838	MEAN 495	MAX 1060	MIN 45						
WTR YR	1975	TOTAL	160492	MEAN 440	MAX 1730	MIN 57						

STREAMS TRIBUTARY TO LAKE ONTARIO

04258000 BEAVER RIVER AT CROGHAN, N.Y.

LOCATION.--Lat 43°53'50", long 75°24'16", Lewis County, on left bank 1,200 ft (366 m) upstream from Black Creek and 0.5 mi (0.8 km) west of Croghan.

DRAINAGE AREA.--294 mi² (761 km²).

PERIOD OF RECORD.--September 1930 to current year.

GAGE.--Water-stage recorder. Datum of gage is 806.20 ft (245.730 m) above mean sea level.

AVERAGE DISCHARGE.--45 years, 575 ft³/s (16.28 m³/s).

EXTREMES.--Current year: Maximum discharge, 2,180 ft³/s (61.7 m³/s) Sept. 27 (gage height, 4.79 ft or 1.460 m); minimum, 50 ft³/s (1.42 m³/s) May 26 (gage height, 1.11 ft or 0.338 m); minimum daily, 53 ft³/s (1.50 m³/s) May 26.

Period of record: Maximum discharge, 5,100 ft³/s (144 m³/s) May 21, 1969 (gage height, 6.98 ft or 2.128 m); minimum, 11 ft³/s (0.31 m³/s) Jan. 22, 29, Feb. 4, 1967 (gage height, 0.63 ft or 0.192 m); minimum daily, 22 ft³/s (0.62 m³/s) July 18, 1965.

REMARKS.--Records good. Flow regulated by Stillwater Reservoir (see station 04256500). Between Stillwater Dam and this station, flow is further regulated by several powerplant ponds. Diurnal fluctuation at low and medium flow.

REVISIONS.--WSP 759: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	709	670	84	707	865	610	949	959	75	462	285	90
2	546	541	440	724	893	731	909	963	269	666	395	458
3	431	498	809	754	873	584	948	956	386	747	574	533
4	688	467	816	680	861	911	910	950	386	606	636	517
5	595	530	735	754	790	915	844	955	359	563	695	524
6	308	742	755	712	865	925	845	947	391	445	695	324
7	430	626	321	781	806	922	827	654	277	519	613	301
8	295	510	732	833	576	810	793	573	117	513	648	485
9	238	486	1150	841	433	891	841	488	471	662	642	624
10	238	689	1230	865	814	968	770	452	581	628	636	558
11	238	679	1180	1160	867	1130	773	556	715	612	642	515
12	393	520	1120	966	860	1040	810	536	609	581	636	536
13	400	853	995	834	862	1060	770	438	443	589	625	377
14	372	630	986	872	554	1040	825	439	376	533	636	176
15	557	838	970	853	627	931	770	402	132	537	630	311
16	704	525	966	813	618	933	820	359	399	477	613	520
17	700	394	861	845	862	936	861	300	593	422	465	505
18	619	659	567	828	864	931	871	84	288	424	569	619
19	583	691	652	776	779	977	1010	291	251	296	526	654
20	597	518	654	873	804	1260	910	297	253	316	471	391
21	413	852	488	838	508	1140	1640	400	194	438	457	485
22	525	1300	524	785	758	1050	1130	318	62	649	574	515
23	535	1110	830	860	773	1050	970	258	269	596	510	547
24	515	939	833	833	863	1020	1080	249	815	508	471	604
25	377	605	798	777	1110	1160	1130	83	581	630	586	744
26	335	538	790	705	1030	1110	1040	53	524	386	759	1440
27	305	774	782	576	928	1010	960	242	290	288	720	1940
28	305	263	714	589	844	988	989	336	297	464	639	1220
29	513	304	555	800	---	977	985	323	253	726	591	875
30	642	137	637	968	---	958	955	435	313	485	199	759
31	721	---	743	922	---	942	---	304	---	313	66	---
TOTAL	14827	18888	23717	25124	22287	29910	27935	14600	10969	16081	17204	18147
MEAN	478	630	765	810	796	965	931	471	366	519	555	605
MAX	721	1300	1230	1160	1110	1260	1640	963	815	747	759	1940
MIN	238	137	84	576	433	584	770	53	62	288	66	90
CAL YR 1974	TOTAL	258351	MEAN 708	MAX 1950	MIN 83							
WTR YR 1975	TOTAL	239689	MEAN 657	MAX 1940	MIN 53							

04260500 BLACK RIVER AT WATERTOWN, N.Y.

LOCATION.--Lat 43°59'08", long 75°55'30", Jefferson County, on downstream side of right abutment of Vanduzee Street Bridge at Watertown, 3.5 mi (5.6 km) upstream from Philomel Creek.

DRAINAGE AREA.--1,876 mi² (4,859 km²).

PERIOD OF RECORD.--July 1920 to current year.

GAGE.--Water-stage recorder. Datum of gage is 374.88 ft (114.263 m) above mean sea level. Prior to Sept. 3, 1921, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--55 years, 3,902 ft³/s (110.5 m³/s).

EXTREMES.--Current year: Maximum discharge, 19,800 ft³/s (561 m³/s) Sept. 28 (gage height, 8.20 ft or 2.499 m); minimum, 164 ft³/s (4.64 m³/s) June 30 (gage height, 0.39 ft or 1.189 m); minimum daily, 745 ft³/s (21.1 m³/s) Aug. 21.
 Period of record: Maximum discharge, 36,700 ft³/s (1,040 m³/s) Apr. 5, 1963 (gage height, 11.57 ft or 3.527 m); minimum, 10 ft³/s (0.28 m³/s) Sept. 2, 1934 (gage height, -0.19 ft or -0.058 m); minimum daily, 137 ft³/s (3.88 m³/s) Sept. 4, 1939.
 Maximum discharge known, about 39,700 ft³/s (1,120 m³/s) Apr. 23, 1869 (from New York State Museum Bulletin 85).

REMARKS.--Records fair. Flow regulated by Stillwater Reservoir (see station 04256500), Fulton Chain of Lakes (see station 04253500), and other reservoirs. Extensive diurnal fluctuation at low and medium flow caused by mills and powerplants in and above Watertown. During canal season, water is diverted out of basin through Forestport feeder and Black River Canal (flowing south), see station 04252000. Water-quality records for the current year are published in Section 2 of this report.

REVISIONS.--WSP 759: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2550	2270	4030	3100	6650	7220	6430	10300	2020	1020	1370	3070
2	2990	2080	3730	3100	6630	7000	5580	10200	2690	1100	973	2550
3	2580	1890	3590	2650	6160	6510	5580	10600	2810	1410	1000	2220
4	2400	2050	3010	2790	5400	6050	7220	11100	2650	1270	1290	2350
5	2410	2170	3570	3090	4370	5630	7720	11200	2220	1170	1470	2300
6												
7	2140	3070	3490	2850	3750	5130	8010	11200	2570	1120	1300	2060
8	1800	4240	3450	2760	3710	4740	7580	11100	3330	1090	1300	1610
9	1820	4390	5010	3070	3590	4410	6870	10400	3670	1140	1270	1300
10	1370	3570	12300	3240	3220	3900	5920	9350	3860	1090	1310	1720
	1410	3220	13100	3710	3260	4070	5180	8300	3780	1170	1320	1530
11												
12	1520	2790	14200	5040	3370	3940	4790	7500	3350	1210	1370	1470
13	1420	2530	12700	8830	3370	4050	4670	6790	3030	1220	1350	1420
14	1660	3710	10600	8560	3160	4090	4650	6160	2920	1410	1290	3980
15	2000	6190	8890	7810	2970	4300	4670	5600	3370	1670	1230	5500
	2140	7030	7470	6600	2830	4280	5130	5150	3220	1740	1210	6100
16												
17	3120	7330	6380	4760	2760	4200	5730	4650	2720	2000	1320	5970
18	3840	7060	5110	3180	2940	4110	6820	4480	2600	1640	1030	4950
19	3860	6460	4830	3100	3090	4030	8090	4320	2380	1350	1180	3670
20	3450	6020	4480	3200	3070	4300	10500	3840	2000	1210	1110	3260
	3050	5400	4300	3300	3010	7060	13900	3410	1740	1070	1110	3300
21												
22	2670	6760	4030	3500	2860	8950	17600	3120	1600	1230	745	3390
23	2280	8380	3690	3200	2670	10000	18600	2880	1350	2460	933	3730
24	2280	9860	3650	3100	3090	11000	15600	2600	1340	2920	983	3530
25	2190	10900	3800	3000	4010	12000	13500	2280	1250	2310	973	3100
	2150	11200	3730	3330	6820	12600	13500	2170	1630	2300	1010	3050
26												
27	1890	9980	3220	3780	7060	12400	14300	1890	1490	2450	1290	8590
28	1940	9010	3070	4450	7030	11100	14600	1890	1400	2060	1840	13600
29	2120	8240	3200	4760	7190	10500	13400	1940	1220	1950	2880	18700
30	2020	6920	3490	5060	---	9540	12000	1850	953	2400	2830	18100
31	2050	5500	3390	6190	---	8350	10800	1890	895	2110	2430	14200
	2110	---	3140	6920	---	7280	---	1740	---	1670	3200	---
TOTAL MEAN	71230	170220	172650	132030	118040	212740	278940	179900	70058	49960	43917	150320
MAX	2298	5674	5569	4259	4216	6863	9298	5803	2335	1612	1417	5011
MIN	3860	11200	14200	8830	7190	12600	18600	11200	3860	2920	3200	18700
	1370	1890	3010	2650	2670	3900	4650	1740	895	1020	745	1300
CAL YR 1974	TOTAL	1795760	MEAN	4920	MAX	20400	MIN	1080				
WTR YR 1975	TOTAL	1650005	MEAN	4521	MAX	18700	MIN	745				

PEAK DISCHARGE (BASE, 17,000 CFS)

DATE	TIME	G. H.	DISCHARGE
04-22	0915	8.13	19,400
09-28	1645	8.20	19,800

Lakes & Reservoirs in Streams Tributary to Lake Ontario

04221990 Rushford Lake--Lat 42°22'49", long 78°11'00", Allegany County, at Caneadea Dam, 2.3 mi (3.7 km) upstream from Caneadea Creek mouth.

Lake is formed by Caneadea Dam completed in 1928 with capacity of 1,104,000 ft³ (31,265 m³) and is used for power generation. (See station 04221991 for monthly mean discharges supplied by Rochester Gas & Electric Corp.)

04224000 Mount Morris near Mount Morris, N.Y. (see station for daily mean elevations, skeleton capacity table, and monthly contents).

04227980 Conesus Lake near Lakeville, N.Y. (see station for daily mean gage heights).

04228845 Honeoye Lake near Honeoye, N.Y. (see station for daily mean gage heights).

04228950 Canadice Lake near Hemlock, N.Y. (see station 04229000 for observed and adjusted monthly mean discharges in cfs).

04232400 Seneca Lake at Watkins Glen, N.Y. (see station for daily mean gage heights).

04232450 Keuka Lake at Hammondsport, N.Y. (see station for daily mean gage heights).

04233500 Cayuga Lake at Ithaca, N.Y. (see station for daily mean gage heights).

04234500 Canandaigua Lake at Canandaigua, N.Y. (see station for daily mean gage heights).

04235396 Owasco Lake near Auburn, N.Y. (see station for daily mean gage heights).

04236000 Skaneateles Lake at Skaneateles, N.Y. (see station for daily mean gage heights).

04238500 Onondaga Reservoir near Nedrow, N.Y. (see station for daily mean elevations, skeleton capacity table, monthly contents, and change in contents).

04253300 Sixth Lake--Lat 43°44'43", long 74°46'58", Hamilton County, on dam at outlet of Sixth Lake at Inlet, 11.2 mi (18.0 km) upstream from dam at Old Forge. Drainage area 18.6 mi² (48.2 km²). Period of record November 1911 to current year. Nonrecording gage read once daily. Datum of gage is at mean sea level (levels by Hudson River-Black River Regulating District). Extremes for current year: Maximum contents observed, 311.0 mil ft³ (8,807.5 hm³) Sept. 26 (elevation, 1,786.45 ft or 544.510 m); minimum observed, 80.3 mil ft³ (2,274.1 hm³) Apr. 17, 18 (elevation, 1,778.95 ft or 542.224 m). Extremes for period of record: Maximum contents observed, 332 mil ft³ (9.4 hm³) Oct. 3, 1945 (elevation, 1,787.1 ft or 544.71 m); minimum observed, less than 900,000 ft³ (25,500 m³) Nov. 18, 1943 (water level below elevation 1,775.6 ft or 541.20 m).

The Sixth and Seventh Lakes of Fulton Chain Lakes are partially formed and controlled by the concrete dam at Inlet, while the Eighth Lake is upstream and at approximately 5 feet (1.5 m) higher elevation. Storage began around 1881. The present structure is a concrete dam with control gates which were installed in 1938. Usable capacity 296.6 mil ft³ (8,400 hm³) between minimum operating level (elevation, 1,775.1 ft or 541.05 m) and crest of spillway (elevation, 1,786.0 ft or 544.37 m); no dead storage below minimum operating level. Figures given herein represent total contents. The dam is operated, the records collected, furnished, and stored by Board of Hudson River-Black River Regulating District.

04253400 First Lake (formerly published as Old Forge Reservoir)--Lat 43°42'44", long 74°58'12", Herkimer County, at dam on Middle Branch Moose River, 100 ft (30 m) downstream from bridge on State Highway 28 at Old Forge, 11.2 mi (18.0 km) downstream from dam on Sixth Lake outlet at Inlet. Drainage area 52.1 mi² (135 km²). Period of record November 1911 to current year. Nonrecording gage read daily about 0800. Datum of gage is 1,700.15 ft (518.206 m) above mean sea level (levels by Board of Hudson River-Black River Regulating District). Extremes for current year: Maximum contents observed, 946.4 mil ft³ (26.80 hm³) Aug. 30, 31, Sept. 27-29 (gage height, 7.26 ft or 2.213 m); minimum observed, 125.8 mil ft³ (3.563 hm³) Apr. 16, 17 (gage height, 0.78 ft or 0.238 m). Extremes for period of record: Maximum contents observed, 1,019 mil ft³ (28.85 hm³) June 17, 1972 (gage height, 7.78 ft or 2.371 m); minimum observed, 6,500,000 ft³ (184,000 m³) Nov. 3, 1939 (gage height, -0.35 ft or -0.107 m).

The First through Fifth Lakes of Fulton Chain Lakes are partially formed and controlled by a concrete dam with twelve inch flash boards. Storage began around 1881 or 1882 with a wooden crib dam. This dam was replaced with a concrete dam in 1905 and gates were installed in 1927. Usable capacity is 895.6 mil ft³ (25.36 hm³) with flash boards (gage height, 6.89 ft or 2.100 m). Usable capacity without flash boards, 764.3 mil ft³ (21.64 hm³) (gage height 5.91 ft or 1.801 m); no dead storage below minimum operating level. Figures given herein represent total contents. The dam is operated, records collected, furnished, and stored by Board of Hudson River-Black River Regulating District.

04256500 Stillwater Reservoir near Beaver River, N.Y. (see station for daily elevations, skeleton capacity table, monthly contents, and change in contents).

MONTHEND GAGE HEIGHTS AND CONTENTS, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

	Elevation (feet)	Contents (millions cu ft)	Change in contents (equivalent in cfs)	Gage height (feet)	Contents (millions cu ft)	Change in contents (equivalent in cfs)
	04253300 Sixth Lake †			04253400 First Lake †		
Sept. 30.....	1,785.33	275.2		6.64	861.6	
Oct. 31.....	1,783.05	203.8	-26.7	5.22	674.6	- 69.8
Nov. 30.....	1,783.30	211.5	+ 2.97	6.01	777.3	+ 39.6
Dec. 31.....	1,780.62	129.8	-30.5	5.10	659.0	- 44.2
CAL YR 1974			- 1.40			- 0.25
Jan. 31.....	1,781.27	149.3	+ 7.28	4.39	566.7	- 34.5
Feb. 28.....	1,781.40	153.2	+ 1.61	3.11	405.3	- 66.7
Mar. 31.....	1,779.37	92.5	-22.7	1.42	200.4	- 76.5
Apr. 30.....	1,783.02	202.8	+42.6	3.50	454.0	+ 97.8
May 31.....	1,785.15	269.4	+24.9	5.46	705.8	+ 94.0
June 30.....	1,785.10	267.9	- 0.58	6.43	833.2	+ 49.2
July 31.....	1,785.05	266.4	- 0.56	6.84	888.6	+ 20.7
Aug. 31.....	1,785.20	271.0	+ 1.72	7.25	945.0	+ 21.1
Sept. 30.....	1,785.62	284.4	+ 5.17	7.01	911.4	- 13.0
WTR YR 1975			+ 0.29			+ 1.58

† Elevations or gage heights at 2400, by interpolation.

STREAMS TRIBUTARY TO ST. LAWRENCE RIVER

04261000 OSWEGATCHIE RIVER AT CRANBERRY LAKE, N.Y.

LOCATION.--Lat 44°13'15", long 74°51'00", St. Lawrence County, on right bank 900 ft (274 m) downstream from dam at outlet of Cranberry Lake, at village of Cranberry Lake.

DRAINAGE AREA.--144 mi² (373 km²).

PERIOD OF RECORD.--May 1923 to current year. Prior to October 1958, published as East Branch Oswegatchie River at Cranberry Lake.

GAGE.--Water-stage recorder. Datum of gage is 1,458.23 ft (444.468 m) above mean sea level. Prior to Oct. 1, 1938, nonrecording gage at site 80 ft (24 m) upstream at same datum.

AVERAGE DISCHARGE.--52 years, 286 ft³/s (8.100 m³/s) (unadjusted).

EXTREMES.--Current year: Maximum daily discharge, 852 ft³/s (24.1 m³/s) May 4; minimum daily, 152 ft³/s (4.30 m³/s) Sept. 11.
 Period of record: Maximum discharge, 1,940 ft³/s (54.9 m³/s) May 13, 1943 (gage height, 7.70 ft or 2.347 m); minimum daily, 3 ft³/s (0.085 m³/s) Apr. 9-16, 1931.

REMARKS.--Records good. Since 1867, flow regulated by Cranberry Lake.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	188	181	198	449	339	277	398	775	194	194	160	156
3	188	181	198	445	437	277	595	804	194	197	160	156
4	229	181	198	445	437	277	595	840	197	197	160	154
5	317	181	198	441	437	277	595	852	197	192	160	154
6	317	181	198	441	434	277	595	822	197	192	162	154
7	317	184	198	441	434	277	590	760	197	192	162	154
8	274	181	198	434	434	277	586	568	194	192	162	154
9	188	179	201	430	434	345	586	223	194	192	162	154
10	188	179	203	426	430	480	581	223	194	192	162	154
11	188	179	205	388	430	480	577	217	194	192	162	154
12	188	179	251	289	426	476	572	217	194	192	160	152
13	188	179	355	292	426	472	568	217	199	189	160	154
14	188	181	355	292	423	468	564	207	199	189	162	154
15	188	184	355	292	423	468	559	187	197	192	162	154
16	188	184	355	292	423	464	525	187	194	192	160	154
17	188	186	379	292	419	464	445	187	194	192	160	154
18	186	186	441	292	419	402	371	187	194	192	160	158
19	186	186	468	292	416	268	182	187	197	180	160	169
20	186	186	468	292	416	268	189	189	197	158	160	169
21	186	186	468	292	412	268	197	189	192	158	160	169
22	184	188	464	292	375	271	202	192	192	158	160	166
23	184	190	464	292	271	271	204	189	192	158	158	166
24	184	192	460	292	271	274	209	189	192	160	158	166
25	184	192	460	292	271	274	212	189	192	160	158	166
26	184	194	456	289	271	277	320	192	192	160	158	169
27	184	196	456	289	274	283	608	192	192	158	158	171
28	181	196	456	289	274	391	760	192	192	160	158	171
29	181	198	453	289	274	608	765	192	192	160	158	173
30	181	198	453	289	---	604	765	192	194	160	158	175
31	181	198	449	292	---	559	765	194	194	160	156	317
	181	---	449	292	---	348	---	194	---	160	156	---
TOTAL	6275	5586	10910	10454	10730	11422	14680	10145	5833	5520	4952	4971
MAX	202	186	352	337	383	368	489	327	194	178	160	166
MIN	317	198	468	449	437	608	765	852	199	197	162	317
	181	179	198	289	271	268	182	187	192	158	156	152
CAL YR 1974	TOTAL	119823	MEAN 328	MAX 838	MIN 179							
WTR YR 1975	TOTAL	101478	MEAN 278	MAX 852	MIN 152							

STREAMS TRIBUTARY TO ST. LAWRENCE RIVER

04262500 WEST BRANCH OSWEGATCHIE RIVER NEAR HARRISVILLE, N.Y.

LOCATION.--Lat 44°11'08", long 75°19'52", Lewis County, on right bank just downstream from highway bridge, 0.5 mi (0.8 km) northeast of Geers Corners, 1.5 mi (2.4 km) downstream from Big Creek, and 4.0 mi (6.4 km) downstream from Harrisville.

DRAINAGE AREA.--258 mi² (668 km²).

PERIOD OF RECORD.--July 1916 to current year.

GAGE.--Water-stage recorder. Datum of gage is 738.51 ft (225.098 m) above mean sea level. Prior to Nov. 30, 1933, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--59 years, 502 ft³/s (14.22 m³/s) (26.43 in/yr or 671.3 mm/yr).

EXTREMES.--Current year: Maximum discharge, 4,740 ft³/s (134 m³/s) Apr. 20 (gage height, 7.75 ft or 2.362 m); minimum, 46 ft³/s (1.30 m³/s) Aug. 23 (gage height, 1.19 ft or 0.363 m); minimum daily, 48 ft³/s (1.36 m³/s) Aug. 23.
 Period of record: Maximum discharge, 6,920 ft³/s (196 m³/s) Jan. 9, 1930 (gage height, 9.6 ft or 2.93 m); minimum, 25 ft³/s (0.71 m³/s) Sept. 1, 1934 (gage height, 0.86 ft or 0.262 m).

REMARKS.--Records fair.

REVISIONS (WATER YEARS).--WSP 759: Drainage area. WSP 784: 1934.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	181	156	722	250	882	951	705	1040	214	81	232	211
2	181	175	625	250	720	837	605	1120	283	76	181	186
3	179	186	460	240	540	727	625	1160	272	75	157	179
4	177	191	435	240	450	635	755	1110	241	73	141	205
5	171	211	419	240	350	565	832	1060	226	72	156	191
6	169	259	355	241	330	500	876	1030	256	68	154	175
7	154	304	339	247	310	447	832	986	375	65	129	154
8	147	321	535	256	290	419	744	894	590	61	118	131
9	134	297	1340	259	280	403	694	804	705	61	110	112
10	124	262	2050	318	270	383	620	738	605	67	98	103
11	116	232	1720	500	260	363	560	615	469	87	92	89
12	112	205	1340	1190	250	347	530	600	399	88	87	97
13	110	435	1020	1610	240	375	505	535	419	100	81	211
14	113	944	821	1330	230	407	473	496	443	113	81	460
15	129	1240	689	1200	230	403	530	451	403	135	78	464
16	169	1180	605	940	218	379	645	473	332	159	72	343
17	188	1030	550	840	232	367	837	545	279	145	67	262
18	229	865	535	780	259	375	1130	500	235	121	63	247
19	265	782	500	640	318	391	1890	419	200	101	58	256
20	247	799	460	500	325	395	4220	375	175	92	56	297
21	211	1110	423	420	311	395	3980	318	156	191	53	293
22	188	2160	375	399	293	395	2930	304	141	427	56	269
23	177	2110	320	343	314	395	2160	272	131	482	48	235
24	165	1600	300	314	403	395	1720	244	120	371	50	200
25	157	1410	290	321	678	610	1870	217	109	300	55	195
26	161	1600	280	427	912	1730	2080	191	101	311	73	755
27	161	1510	280	500	1100	1980	1860	167	91	247	126	2450
28	175	1320	270	560	1060	1590	1490	159	87	232	167	2930
29	191	993	270	656	---	1160	1190	159	85	359	159	2120
30	161	865	260	766	---	951	1050	157	82	411	143	1440
31	148	---	260	882	---	804	---	169	---	318	175	---
TOTAL	5190	24752	18848	17559	12085	20074	38938	17308	8224	5489	3316	15260
MEAN	167	825	608	570	432	648	1298	558	274	177	107	509
MAX	265	2160	2050	1610	1100	1980	4220	1160	705	482	232	2930
MIN	110	156	260	240	230	347	473	157	82	61	48	89
CFSM	.65	3.20	2.36	2.21	1.67	2.51	5.03	2.16	1.06	.69	.41	1.97
IN.	.75	3.57	2.72	2.55	1.74	2.89	5.61	2.50	1.19	.79	.48	2.20

CAL YR 1974	TOTAL	207371	MEAN	568	MAX	4660	MIN	79	CFSM	2.20	IN	29.90
WTR YR 1975	TOTAL	187153	MEAN	513	MAX	4220	MIN	48	CFSM	1.99	IN	26.98

PEAK DISCHARGE (BASE, 3,300 CFS)

DATE	TIME	G. H.	DISCHARGE
04-20	1600	7.75	4,740

STREAMS TRIBUTARY TO ST. LAWRENCE RIVER

04263000 OSWEGATCHIE RIVER NEAR HEUVELTON, N.Y.

LOCATION.--Lat 44°35'58", long 75°22'45", St. Lawrence County, on right bank 1.5 mi (2.4 km) downstream from Beaver Creek and 2.5 mi (4.0 km) upstream from Heuvelton.

DRAINAGE AREA.--973 mi² (2,520 km²).

PERIOD OF RECORD.--June 1916 to current year.

GAGE.--Water-stage recorder. Datum of gage is 288.85 ft (88.041 m) above mean sea level. Prior to Sept. 16, 1916, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--59 years, 1,681 ft³/s (47.61 m³/s).

EXTREMES.--Current year: Maximum discharge, 8,000 ft³/s (227 m³/s) Apr. 22 (gage height, 6.15 ft or 1.875 m); minimum, 203 ft³/s (5.75 m³/s) Aug. 21, 22 (gage height, 0.71 ft or 0.216 m).
 Period of record: Maximum discharge, 19,600 ft³/s (555 m³/s) Apr. 6, 1960 (gage height, 10.36 ft or 3.158 m); minimum recorded, 130 ft³/s (3.68 m³/s) Aug. 17, 1949 (gage height, 0.47 ft or 0.143 m).

REMARKS.--Records fair except those for winter periods, which are poor. Since 1867, seasonal flow regulated by Cranberry Lake; slight diurnal fluctuation at low and medium flow caused by powerplants. During high stages on Grass River, part of flow of that stream may pass through Upper Lake, Indian Creek and Lower Lake and enter Oswegatchie River at Rensselaer Falls, 4.5 mi (7.2 km) above station. In October 1973, a dike was installed on Indian Creek to prevent overflow of Grass River during high flows.

REVISIONS.--WSP 759: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						2800	3000	3180	500	339	883	453
2	423	477	1600	1400	2440	2500	2800	3020	600	376	787	459
3	582	536	1300	1300	2340							
4	719	677	1200	1200	2090	2200	2600	2990	560	399	629	491
5	744	839	1100	1200	1880	1900	3530	3100	540	361	477	482
6	686	590	1100	1200	1580	1800	3960	2980	520	405	403	477
7												
8	778	761	1100	1190	1390	1600	3710	2840	640	345	456	487
9	865	883	1000	1160	1330	1500	3510	2730	880	321	524	543
10	677	910	1800	1210	1200	1400	3190	2650	1100	316	455	524
11	551	947	3540	1290	1100	1300	3040	2480	1300	310	406	432
12	566	956	4510	1700	1100	1300	2980	2150	1400	316	328	398
13												
14	629	736	4870	2850	1000	1300	2730	1740	1300	281	361	372
15	590	640	4660	4950	980	1300	2790	1370	1200	391	364	368
16	621	980	4100	5540	960	1400	2820	1320	1160	488	337	533
17	574	1400	3380	5110	940	1400	2870	1450	1120	438	336	466
18	470	1800	3120	4270	920	1400	2920	1320	1210	416	274	482
19												
20	506	2400	2470	3680	920	1300	3150	1180	1100	446	345	716
21	566	2200	2010	3100	920	1300	3350	1090	911	565	345	732
22	574	2100	1900	2600	920	1300	3680	1100	862	697	291	650
23	590	2000	1800	2200	960	1300	4640	1110	751	633	279	639
24	669	1900	1700	1700	1000	1300	6080	1030	673	497	233	680
25												
26	629	2400	1600	1400	1100	1400	7260	1000	726	395	221	685
27	661	3400	1600	1300	1100	1400	7910	892	634	428	256	643
28	769	4500	1500	1100	1200	1400	7750	840	603	697	349	602
29	937	3900	1400	1000	1400	1400	6830	740	507	904	401	590
30	821	3200	1400	1100	2000	1500	5570	660	498	910	385	686
31												
32	736	2700	1300	1200	3300	2500	4910	600	530	856	296	1170
33	514	2800	1300	1400	3700	4500	4800	540	452	865	306	3780
34	436	2300	1300	1600	3200	5400	4610	490	409	727	399	4830
35	383	2100	1400	1900	---	5200	4180	460	372	613	431	4950
36	470	1800	1400	2290	---	4400	3580	450	374	686	519	4340
37	499	---	1400	2330	---	3800	---	460	---	910	545	---
TOTAL	19235	52832	63860	65480	42970	64500	124750	47962	23432	16331	12621	32660
MEAN	620	1761	2060	2112	1535	2081	4158	1547	781	527	407	1089
MAX	937	4500	4870	5540	3700	5400	7910	3180	1400	910	883	4950
MIN	383	477	1000	1000	920	1300	2600	450	372	281	221	368
CAL YH	1974	TOTAL	739909	MEAN	2027	MAX	11200	MIN	327			
WTR YR	1975	TOTAL	566633	MEAN	1552	MAX	7910	MIN	221			

ST. LAWRENCE RIVER MAIN STEM

04264331 ST. LAWRENCE RIVER AT CORNWALL, ONTARIO - NEAR MASSENA, N.Y.

LOCATION.--Lat 45°00'22", long 74°47'43", Stormont County Ontario - St. Lawrence County N.Y. at Robert Moses - Robert H. Saunders power dam on Lake St. Lawrence at the International Boundary at Cornwall, Ontario, 2.9 mi (4.7 km) upstream from Grass River, 6.2 mi (10.0 km) upstream from Raquette River, and 5.9 mi (9.5 km) northeast of Massena, N.Y.

DRAINAGE AREA.--299,000 mi² (774,410 km²).

PERIOD OF RECORD.--June 1860 to current year. Monthly discharges only for some periods published in WSP 1307. Prior to October 1971 published as 04264000 St. Lawrence River at Ogdensburg.

DETERMINATION OF DISCHARGE.--There is no gage. Discharge is determined from summation of discharge through the Robert Moses - Robert H. Saunders power dam, the Long Sault Dam, the Massena Diversion, the Rasin River Diversion, the Cornwall and Massena municipal water supply and the Cornwall and the Wiley - Dondero navigation canals. U.S. - Canada coordinated discharge figures supplied by Corps of Engineers. Prior to 1956 base gage at Lock 25 at Iroquois Ont. with supplementary gages. August 1956 to June 1958, base gage at Lock 24 between Iroquois and Morrisburg, Ont., and supplementary gages. These gages, prior to Aug. 1956 were gages of the Canadian Hydrographic Service and from August 1956 to June 1958 the Hydro-Electric Power Commission of Ontario. Discharge in the reach of river at Cornwall, Ont. - near Massena, N.Y. is considered to be the same as discharge at Ogdensburg, N.Y. when adjusted for storage in Lake St. Lawrence.

AVERAGE DISCHARGE.--115 years (1860-1975) 241,100 ft³/s (6,828 m³/s).

EXTREMES.--Current year: Maximum daily discharge, 311,000 ft³/s (8,807 m³/s) Oct. 1; minimum daily 230,000 ft³/s (6,514 m³/s) Jan. 18 to Feb. 7.
 1917-75: Maximum daily discharge, 351,000 ft³/s (9,940 m³/s) July 11, 21, Aug. 3, 1973; minimum daily, 139,000 ft³/s (3,940 m³/s) Feb. 7, 1936.
 Period of record: Maximum monthly discharge, 350,000 ft³/s (9,910 m³/s) July 1973; minimum monthly 154,000 ft³/s (4,360 m³/s) February 1936.

REMARKS.--Flow regulated since July 1958 by international agreement administered by International St. Lawrence River Board of Control under the International Joint Commission. Records do not include water diverted from Lake Michigan by Illinois and Michigan Canal during period of its operation prior to 1910 and by Chicago Sanitary and Ship Canal, operation of which began in 1900. Records include water diverted into Lake Superior from Hudson Bay drainage by the Long Lake Project, operation of which began in July 1939, and by the Ogoki project, operation of which began in July 1943. Water-quality records for the current year are published in Section 2 of this report.

COOPERATION.--Records of daily discharge furnished by Detroit District, Corps of Engineers through International St. Lawrence River Board of Control.

REVISIONS (WATER YEARS).--WSP 1437: 1870, 1874, 1881, 1883, 1890.

DISCHARGE* IN CUBIC FEET PER SECOND* WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	311000	290000	281000	290000	230000	280000	300000	297000	308000	299000	288000	281000
2	309000	283000	281000	290000	230000	280000	300000	297000	308000	299000	286000	281000
3	310000	283000	264000	290000	230000	280000	299000	297000	308000	299000	286000	281000
4	310000	283000	277000	290000	230000	280000	300000	297000	308000	299000	286000	281000
5	310000	279000	281000	290000	230000	280000	300000	297000	308000	292000	286000	281000
6	310000	273000	281000	290000	230000	280000	301000	297000	308000	292000	286000	283000
7	310000	276000	274000	275000	230000	280000	300000	297000	308000	292000	286000	283000
8	310000	281000	274000	270000	240000	290000	300000	297000	308000	292000	286000	283000
9	310000	281000	274000	270000	240000	290000	300000	297000	308000	292000	285000	283000
10	310000	281000	274000	270000	240000	290000	300000	310000	308000	292000	285000	283000
11	310000	276000	274000	270000	240000	290000	300000	310000	308000	292000	285000	283000
12	305000	271000	274000	270000	250000	290000	310000	310000	308000	290000	285000	281000
13	305000	274000	274000	275000	250000	290000	310000	310000	308000	290000	285000	281000
14	305000	278000	280000	290000	250000	290000	310000	310000	309000	290000	285000	281000
15	305000	281000	279000	285000	260000	290000	310000	310000	309000	290000	283000	281000
16	305000	273000	273000	265000	260000	290000	310000	310000	309000	290000	283000	281000
17	305000	273000	280000	245000	260000	290000	310000	310000	309000	290000	283000	281000
18	305000	273000	280000	230000	260000	290000	304000	310000	309000	290000	283000	281000
19	300000	274000	280000	230000	260000	291000	304000	310000	309000	285000	283000	281000
20	300000	273000	280000	230000	260000	290000	304000	310000	309000	285000	283000	282000
21	300000	273000	290000	230000	260000	290000	305000	310000	310600	285000	283000	280000
22	300000	273000	290000	230000	264000	290000	304000	310000	310000	285000	283000	280000
23	300000	275000	290000	230000	264000	290000	304000	310000	310000	285000	278000	280000
24	300000	275000	290000	230000	264000	290000	304000	309000	310000	285000	278000	280000
25	300000	275000	290000	230000	264000	290000	299000	309000	310000	285000	278000	280000
26	295000	275000	290000	230000	264000	290000	284000	309000	310000	288000	278000	280000
27	295000	275000	290000	230000	264000	290000	284000	309000	310000	288000	278000	282000
28	295000	275000	290000	230000	264000	290000	289000	309000	299000	288000	278000	282000
29	293000	275000	290000	230000	---	300000	297000	309000	299000	288000	278000	282000
30	290000	281000	290000	230000	---	301000	297000	309000	299000	288000	281000	282000
31	290000	---	290000	230000	---	300000	---	308000	---	288000	281000	---
TOTAL	9403000	8308000	8725000	7945000	6988000	8952000	9039000	9484000	9234000	8993000	8772000	8443000
MEAN	303300	276900	281500	256300	249600	288800	301300	305900	307800	290100	283000	281400
MAX	311000	290000	290000	290000	264000	301000	310000	310000	310000	299000	288000	283000
MIN	290000	271000	264000	230000	230000	280000	284000	297000	299000	285000	278000	280000
CAL YR 1974	TOTAL	109402000	MEAN	299700	MAX	341000	MIN	205000				
WTR YR 1975	TOTAL	104286000	MEAN	285700	MAX	311000	MIN	230000				

STREAMS TRIBUTARY TO ST. LAWRENCE RIVER

04265000 GRASS RIVER AT PYRITES, N.Y.

LOCATION.--Lat 44°31'28", long 75°11'48", St. Lawrence County, on left bank 1,000 ft (305 m) downstream from lower bridge in Pyrites, and 0.5 mi (0.8 km) upstream from Harrison Creek.

DRAINAGE AREA.--335 mi² (868 km²).

PERIOD OF RECORD.--August 1924 to current year.

GAGE.--Water-stage recorder. Datum of gage is 350.61 ft (106.866 m) above mean sea level.

AVERAGE DISCHARGE.--51 years, 599 ft³/s (16.96 m³/s) (24.28 in/yr or 616.7 mm/yr).

EXTREMES.--Current year: Maximum discharge, 5,000 ft³/s (142 m³/s) Apr. 20 (gage height, 10.47 ft or 3.191 m); minimum, 10 ft³/s (0.28 m³/s) Aug. 19 (gage height, 0.46 ft or 0.140 m); minimum daily, 67 ft³/s (1.90 m³/s) Aug. 19, 21, 22.

Period of record: Maximum discharge, about 8,300 ft³/s (235 m³/s) Nov. 18, 1927 (gage height, 13.0 ft or 3.96 m, from floodmark); minimum daily, 59 ft³/s (1.67 m³/s) Aug. 29 to Sept. 1, 1934.

REMARKS.--Records good except those for winter periods, which are poor. Diurnal fluctuation at low flow caused by powerplant upstream from station.

REVISIONS.--WSP 759: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	332	340	652	400	1100	980	815	1280	574	141	275	170
3	336	390	680	410	1000	880	713	1300	648	129	199	170
4	402	394	766	400	900	820	810	1290	525	144	162	181
5	439	378	703	390	860	760	1070	1200	414	170	149	224
6	443	431	742	400	800	720	1030	1120	359	159	141	196
7												
8	414	477	718	400	760	660	939	1020	402	144	136	165
9	374	452	597	400	720	620	805	933	703	122	129	146
10	336	398	1280	380	700	620	718	839	1200	134	120	136
11	306	351	2480	390	660	600	657	746	1160	141	127	122
12	278	321	2350	500	660	560	629	675	820	120	129	113
13												
14	264	299	1710	1380	620	540	634	610	551	154	115	106
15	254	289	1320	2270	600	520	652	560	431	146	106	154
16	254	820	1080	1910	600	540	629	529	473	144	106	289
17	261	1490	883	1310	620	540	643	512	529	173	106	363
18	285	1400	746	883	600	520	810	486	426	247	106	310
19												
20	325	1130	675	771	580	500	1030	592	347	237	106	241
21	336	888	671	740	560	480	1370	718	296	190	100	202
22	374	829	643	700	560	480	1800	620	268	154	93	196
23	414	854	610	640	540	480	2890	516	244	131	67	234
24	374	868	565	560	580	480	4670	452	234	111	70	328
25												
26	321	1720	534	490	620	500	4410	410	237	221	67	325
27	292	2310	508	430	680	560	3330	378	221	402	67	264
28	275	1790	490	400	760	680	2380	374	202	325	69	218
29	268	1480	470	400	920	880	2110	347	184	231	72	196
30	261	1740	450	410	1200	2100	2520	314	167	179	87	193
31												
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TOTAL	9733	27507	24913	23244	21600	26124	47064	19601	12349	6448	3878	11526
MEAN	314	917	804	750	771	843	1569	632	412	208	125	384
MAX	443	2310	2480	2270	1300	2300	4670	1300	1200	699	275	1880
MIN	234	289	410	380	540	480	629	275	139	111	67	106
CFSM	.94	2.74	2.40	2.24	2.30	2.52	4.68	1.89	1.23	.62	.37	1.15
IN.	1.08	3.05	2.77	2.58	2.40	2.90	5.23	2.18	1.37	.72	.43	1.28
CAL YR	1974	TOTAL	279887	MEAN 767	MAX 6320	MIN 182	CFSM 2.29	IN 31.08				
WTR YR	1975	TOTAL	233987	MEAN 641	MAX 4670	MIN 67	CFSM 1.91	IN 25.98				

PEAK DISCHARGE (BASE, 3,600 CFS)

DATE	TIME	G. H.	DISCHARGE
04-20	1900	10.47	5,000

STREAMS TRIBUTARY TO ST. LAWRENCE RIVER

04266500 RAQUETTE RIVER AT PIERCEFIELD, N.Y.

LOCATION.--Lat 44°14'05", long 74°34'20", St. Lawrence County, on left bank 0.5 mi (0.8 km) downstream from powerplant at Piercefield, and 1.5 mi (2.4 km) upstream from Dead Creek.

DRAINAGE AREA.--722 mi² (1,870 km²).

PERIOD OF RECORD.--August 1908 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,502.12 ft (457.846 m) above mean sea level. Prior to Oct. 22, 1912, non-recording gage at same site (datum of gage lowered 2 ft (1 m) Jan. 1, 1911, to present datum).

AVERAGE DISCHARGE.--67 years, 1,268 ft³/s (35.91 m³/s).

EXTREMES.--Current year: Maximum discharge, 4,960 ft³/s (140 m³/s) May 8, 9 (gage height, 9.84 ft or 2.999 m); minimum, 39 ft³/s (1.10 m³/s) June 30 (gage height, 1.50 ft or 0.457 m); minimum daily, 85 ft³/s (2.41 m³/s) June 29.
Period of record: Maximum discharge, 8,360 ft³/s (237 m³/s) May 8, 1972 (gage height, 12.25 ft or 3.734 m); minimum, 4.1 ft³/s (0.12 m³/s) Oct. 12, 1947 (gage height, 0.61 ft or 0.186 m), caused by construction work above station; minimum daily, 4.1 ft³/s (0.12 m³/s) Oct. 12, 1947.

REMARKS.--Records good. Seasonal distribution of flow modified by natural storage in lakes and ponds upstream from station and by regulation of Forked Lake, Round Lake, Lows Lake, and Raquette Pond (Tupper Lake) at Setting Pole Dam. Extensive diurnal fluctuation caused by powerplant at Piercefield.

REVISIONS (WATER YEARS).--WSP 604: 1924. WSP 759: Drainage area. WSP 1387: 1910, 1913, 1914(M), 1916, 1921.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	728	509	2190	1040	1110	1320	1700	4330	1760	310	506	435
2	813	525	2110	1220	1140	1350	1680	4420	1710	330	342	500
3	830	542	2050	1090	1200	1390	1690	4480	1570	441	365	429
4	826	578	1930	975	1120	1540	1700	4600	1290	326	291	441
5	817	384	1790	1060	1070	1700	1690	4690	1050	414	196	438
6	796	690	1670	1100	1040	1790	1680	4710	1250	400	202	319
7	724	1000	1550	1010	1040	1720	1660	4900	1330	512	213	423
8	532	690	1560	935	886	1660	1640	4950	1370	470	279	525
9	475	599	1880	1000	996	1590	1610	4930	1410	507	237	535
10	475	609	2270	954	1090	1530	1570	4870	1410	438	398	398
11	500	623	2470	860	944	1480	1540	4760	1440	309	555	418
12	525	641	2480	996	877	1450	1510	4630	1490	168	418	627
13	494	697	2460	1110	821	1420	1470	4430	1500	136	347	716
14	478	954	2400	1060	830	1350	1420	4260	1500	219	322	917
15	522	1020	2360	1060	671	1350	1430	4060	1480	265	293	1130
16	490	1040	2290	940	817	1310	1400	3900	1460	219	233	1130
17	484	1220	2200	996	796	1280	1390	3760	1400	216	134	1080
18	516	1300	2180	893	935	1270	1440	3620	1330	197	150	1040
19	535	1370	2100	990	809	1260	1620	3450	1320	171	111	1040
20	529	1460	2020	975	796	1330	1990	3300	1290	215	122	908
21	503	1720	1940	960	821	1360	2420	3150	1080	481	143	904
22	503	1950	1870	978	595	1410	2820	2990	1040	478	146	958
23	497	2080	1730	866	776	1470	3040	2860	1080	376	139	904
24	465	2100	1530	736	935	1500	3340	2720	780	322	154	926
25	468	2220	1360	766	882	1570	3800	2590	693	307	160	1000
26	487	2330	1310	865	1060	1630	3830	2480	497	215	266	1270
27	484	2370	1070	963	1180	1660	3990	2320	427	181	409	1680
28	459	2350	965	915	1280	1680	4110	2170	140	275	444	1850
29	456	2310	1090	996	---	1700	4180	2040	85	522	360	1950
30	459	2260	1210	986	---	1720	4260	1900	242	620	329	2010
31	478	---	1150	1080	---	1700	---	1810	---	623	438	---
TOTAL	17348	38141	57185	30375	26517	46490	67620	114080	34424	10663	8702	26901
MEAN	560	1271	1845	980	947	1500	2254	3680	1147	344	281	897
MAX	830	2370	2480	1220	1288	1790	4260	4950	1760	623	555	2010
MIN	456	384	965	736	595	1260	1390	1810	85	136	111	319
CAL YR 1974	TOTAL	561154	MEAN	1537	MAX	4050	MIN	292				
WTR YR 1975	TOTAL	478446	MEAN	1311	MAX	4950	MIN	85				

STREAMS TRIBUTARY TO ST. LAWRENCE RIVER

04267500 RAQUETTE RIVER AT SOUTH COLTON, N. Y.

LOCATION.--Lat 44°30'42", long 74°53'00", St. Lawrence County, on left bank 300 ft (91 m) upstream from bridge on State Highway 56 at South Colton, 500 ft (152 m) downstream from Niagara Mohawk Power Corp. powerplant, and 0.8 mi (1.3 km) upstream from Cold Brook.

DRAINAGE AREA.--939 mi² (2,432 km²).

PERIOD OF RECORD.--January 1953 to current year.

GAGE.--Water-stage recorder. Datum of gage is 882.05 ft (268.849 m) above mean sea level.

AVERAGE DISCHARGE.--22 years, 1,667 ft³/s (47.21 m³/s).

EXTREMES.--Current year: Maximum discharge, 6,120 ft³/s (173 m³/s) Apr. 2, (gage height, 7.84 ft or 2.390 m); minimum, 12 ft³/s (0.34 m³/s) (gage height, 1.79 ft or 0.546 m) many days; minimum daily, 81 ft³/s (2.29 m³/s) Sept. 14.

Period of record: Maximum discharge, 9,720 ft³/s (275 m³/s) May 11, 1971 (gage height, 9.80 ft or 2.987 m); minimum, 1.3 ft³/s (0.037 m³/s) Feb. 1, 1962, Aug. 8, 1964 (gage height, 1.53 ft or 0.466 m); minimum daily, 4.6 ft³/s (0.13 m³/s) June 2, 1954.

REMARKS.--Records good. Flow regulated 16 mi (26 km) upstream by Carry Falls Reservoir since 1953; considerable natural storage in large lakes above Piercefield. Large diurnal fluctuation caused by five powerplants.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	2350	1240	716	1240	1340	1640	2690	3670	2710	1380	1050	554
3	1280	807	1450	1610	878	1670	2810	3960	2790	1380	615	596
4	1810	632	1350	2240	1870	1700	2730	3950	2540	1340	287	707
5	1590	1390	1310	1600	2020	1510	2530	3900	1800	702	644	414
	1310	1100	1130	1050	1780	1900	2550	3840	1440	495	1030	601
6												
7	523	630	1230	2040	1750	1390	2530	3880	1740	570	782	554
8	1360	552	1520	1720	1860	1940	2680	3850	1730	1350	580	508
9	1850	776	993	1840	1620	1970	2800	3830	851	1180	630	707
10	1780	574	1610	1330	1330	1800	2970	3810	1400	1240	401	653
	1760	323	1700	1710	1290	1570	2750	3770	1290	1490	219	780
11												
12	1870	1060	1150	1520	1790	2010	3090	3760	1600	1640	941	1140
13	2000	972	1800	1430	2070	3080	2870	3730	2220	827	634	592
14	1490	1080	2090	1830	1990	3370	2640	3180	2570	235	560	409
15	1520	1240	1830	1460	1180	3320	2910	2390	2230	971	440	81
	1610	1070	2370	1680	1390	3360	3020	2230	2540	844	569	911
16												
17	1820	922	1360	1400	1150	3440	2910	2360	2350	1180	341	1180
18	1690	294	1650	1660	1610	3310	2840	2340	2230	1190	247	662
19	1980	1060	2410	1380	1690	3420	2790	2130	2070	1360	361	1220
20	1290	1010	2290	1030	1340	3370	2740	2800	1880	632	673	822
	1240	1210	2240	2190	1980	3510	2830	3790	1970	559	568	473
21												
22	1520	1390	2210	1850	1790	3350	2560	3780	1490	1120	836	241
23	1800	1770	2360	1800	1650	3390	3380	3690	823	1050	768	1290
24	1160	1070	2280	1850	1580	3520	3390	3670	1870	1350	155	645
25	1890	365	2680	1540	1980	3450	3270	3290	1340	1040	442	909
	1500	1560	2600	1210	1560	3220	3270	3270	1470	928	1160	1060
26												
27	823	1490	2180	1460	1640	3490	3430	2870	1380	607	1150	1160
28	460	1180	2130	1890	1720	2520	3710	2900	1620	388	418	964
29	1480	303	2260	1660	1650	2610	3680	2780	1130	936	545	953
30	1270	822	1530	1490	---	2900	3670	2620	809	984	599	1420
31	1210	665	2010	1810	---	2750	3670	2860	1430	924	729	1300
	1330	---	1940	1350	---	3180	---	2950	---	1050	325	---
TOTAL												
MEAN	46566	28557	56379	49870	45498	83660	89710	101850	53313	30942	18699	23506
MAX	1502	952	1819	1609	1625	2699	2990	3285	1777	998	603	784
MIN	2350	1770	2680	2240	2070	3520	3710	3960	2790	1640	1160	1420
	460	294	716	1030	878	1390	2530	2130	809	235	155	81
CAL YR 1974	TOTAL	783167	MEAN	2146	MAX	5200	MIN	13				
WTR YR 1975	TOTAL	628550	MEAN	1722	MAX	3960	MIN	81				

STREAMS TRIBUTARY TO ST. LAWRENCE RIVER

04268000 RAQUETTE RIVER AT RAYMONDVILLE, N.Y.

LOCATION.--Lat 44°50'20", long 74°58'45", St. Lawrence County, on right bank 250 ft (76 m) upstream from bridge on Grant Road at Raymondville, 0.3 mi (0.5 km) downstream from Trout Brook, 0.4 mi (0.6 km) downstream from Niagara Mohawk Power Corp. powerplant, and 18.0 mi (29.0 km) upstream from mouth.

DRAINAGE AREA.--1,131 mi² (2,929 km²).

PERIOD OF RECORD.--November 1943 to current year.

GAGE.--Water-stage recorder. Datum of gage is 183.33 ft (55.879 m) above mean sea level.

AVERAGE DISCHARGE.--31 years (1944-75), 1,964 ft³/s (55.62 m³/s).

EXTREMES.--Current year: Maximum discharge, 6,050 ft³/s (171 m³/s) Mar. 20 (gage height, 5.43 ft or 1.655 m); maximum gage height, 5.86 ft (1.786 m) Feb. 15 (ice jam); minimum discharge, 18 ft³/s (0.51 m³/s) Sept. 10, 11, 18 (gage height, 0.63 ft or 0.192 m); minimum daily discharge, 365 ft³/s (10.3 m³/s) Sept. 21.

Period of record: Maximum discharge, 13,000 ft³/s (368 m³/s) Apr. 5, 1974 (gage height, 8.40 ft or 2.560 m); maximum gage height, 9.24 ft (2.816 m) Feb. 22, 1954 (backwater from ice); minimum discharge, 2.2 ft³/s (0.062 m³/s) Sept. 18, 19, 1966; minimum daily, 7.0 ft³/s (0.20 m³/s) Oct. 15, 1951; minimum gage height, 0.42 ft (0.128 m) July 13, 1950.

REMARKS.--Records fair except those for winter periods, which are poor. Extensive diurnal fluctuation caused by power and industrial operations. Flow regulated since 1953 by Carry Falls Reservoir, about 46 mi (74 km) upstream; considerable natural storage in large lakes above Piercefield.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1580	1500	655	1700	1800	2220	3550	4070	3200	1430	1030	554
2	1660	1000	940	1700	1900	2190	3350	4070	3550	1330	764	422
3	1800	631	1340	1100	2100	2170	2910	4090	2980	1350	569	902
4	1910	1000	1800	1700	2300	1900	3150	4170	2380	647	902	497
5	1850	1160	1600	1700	2500	1900	3040	4210	1980	455	1070	577
6	1790	1120	1700	1700	2500	1800	3020	4230	1700	705	663	525
7	792	791	1800	1700	2300	1400	2990	4190	1630	1240	525	615
8	1760	902	1860	1700	2100	1900	3060	4210	1520	1380	490	827
9	1770	696	2520	1700	1900	1900	3070	4250	1000	1370	600	818
10	1760	639	2250	1700	1900	2000	3060	4130	1580	1320	442	623
11	1760	663	2010	1900	2000	2250	3060	4090	1700	1350	438	864
12	2200	921	1880	1900	2100	2980	3220	3960	1770	782	864	1240
13	2290	1180	1920	1800	2300	3280	3320	3980	3020	592	442	773
14	1850	1770	1800	1800	2600	4190	3060	3060	3490	960	600	525
15	1760	1800	2100	1800	2600	4030	3710	2000	3000	1300	497	791
16	1790	1240	2100	1800	2300	3850	4370	2260	1480	883	532	800
17	1860	1270	2100	1900	2100	3920	4470	2690	1290	1100	483	738
18	1830	1240	2100	1900	2000	4070	4470	2560	2320	992	511	747
19	1490	1170	2200	1900	1900	4190	5210	2620	2640	1060	476	1520
20	1340	1180	2300	1900	1900	5360	5170	3300	1950	607	577	764
21	1360	1970	2300	1600	1900	5420	4250	3470	1580	1150	462	365
22	1770	2640	2300	1800	1900	4730	3940	4020	1250	1120	809	773
23	1590	2170	2300	1900	1900	4510	3860	3850	1720	1180	671	1060
24	1480	1440	2300	2000	2110	4430	3880	3770	1420	1420	497	1080
25	1630	1720	2400	1900	2750	4610	3880	3180	1590	1150	696	1110
26	1180	1890	2300	1800	2910	4610	3940	3550	1410	562	971	1660
27	553	1700	2300	1600	2450	3750	4110	3110	1220	577	983	1470
28	1090	1410	2300	1700	2280	3750	4390	3110	1120	1110	631	1600
29	1410	911	2300	1800	---	3590	4270	2770	1330	1070	577	1560
30	1330	1170	2300	2000	---	3630	4150	2190	1370	892	525	1340
31	1480	---	1800	1800	---	3630	---	2930	---	1020	705	---
TOTAL	49715	38894	61875	54900	61300	104560	111930	108090	58190	32104	19902	27140
MEAN	1604	1296	1996	1771	2189	3373	3731	3487	1940	1036	642	905
MAX	2290	2640	2520	2000	2910	5420	5210	4250	3550	1430	1070	1660
MIN	553	631	655	1100	1800	1800	2910	2000	1000	455	438	365
CAL YR 1974	TOTAL	917114	MEAN	2513	MAX	10600	MIN	553				
WTR YR 1975	TOTAL	728600	MEAN	1996	MAX	5420	MIN	365				

STREAMS TRIBUTARY TO ST. LAWRENCE RIVER

04268390 ST. REGIS RIVER NEAR PAUL SMITHS, N.Y.

LOCATION.--Lat 44°26'01", long 74°18'15", Franklin County, on right bank 0.3 mi (0.5 km) downstream from control dam on Lower St. Regis Lake, and 2.5 mi (4.0 km) west of Paul Smiths.

DRAINAGE AREA.--21.2 mi² (54.9 km²).

PERIOD OF RECORD.--October 1972 to September 1975 (discontinued).

GAGE.--Water-stage recorder. Altitude of gage is 1600 ft (488 m) (from topographic map).

EXTREMES.--Current year: Maximum discharge, 92 ft³/s (2.61 m³/s) May 2, 5, 6 (gage height, 2.51 ft or 0.765 m); minimum, 4.4 ft³/s (0.12 m³/s) Oct. 30 to Nov. 13 (gage height, 1.51 ft or 0.460 m).
 Period of record: Maximum discharge, 127 ft³/s (3.60 m³/s) Mar. 19, Apr. 5, 6 1973, May 1, 1974 (gage height, 2.71 ft or 0.826 m); minimum, 4.4 ft³/s (0.12 m³/s) Oct. 30 to Nov. 13, 1974.

REMARKS.--Records good. Flow regulated by Lower St. Regis Lake.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	60	4.4	26	31	36	39	41	90	37	7.3	14	7.7
3	69	4.4	25	27	36	39	41	90	37	7.3	13	32
4	69	4.4	26	24	35	38	41	89	36	6.9	12	71
5	67	4.4	26	23	35	38	42	90	36	6.9	12	70
6	46	4.4	25	23	33	37	55	92	37	6.9	12	70
7	30	4.4	25	23	32	47	48	90	48	6.9	12	70
8	25	4.4	25	23	32	69	48	75	55	6.9	12	69
9	24	4.4	27	23	31	76	48	62	55	6.9	11	69
10	23	4.4	34	23	31	75	47	55	53	6.9	9.4	69
11	23	4.4	38	23	31	75	47	48	52	6.9	9.4	67
12	22	4.4	38	24	31	73	47	49	47	6.9	9.4	66
13	22	4.4	37	26	31	73	47	49	44	6.9	9.4	69
14	21	4.9	36	26	31	72	47	50	44	6.6	9.4	67
15	40	5.2	36	26	31	72	47	50	43	6.6	9.8	66
16	56	5.2	35	25	31	72	47	44	42	6.9	9.4	66
17	54	5.2	36	25	28	72	44	38	42	6.9	9.4	66
18	54	4.9	45	25	26	71	42	35	30	6.9	9.4	65
19	56	6.6	54	25	27	71	43	34	23	6.6	9.0	65
20	57	11	52	26	27	70	60	33	23	6.6	8.1	65
21	56	11	52	27	27	71	60	32	23	6.9	8.1	64
22	63	13	51	28	27	72	53	23	19	7.3	8.1	64
23	67	14	50	27	27	72	51	17	16	7.3	8.1	63
24	66	12	45	27	27	71	52	17	16	7.3	7.7	46
25	66	15	32	27	27	71	56	26	11	7.7	7.7	42
26	65	23	32	26	30	71	71	28	7.7	7.7	7.7	40
27	29	23	32	28	36	70	80	30	7.7	7.3	7.7	43
28	8.5	24	32	28	40	70	78	26	7.7	7.3	7.7	55
29	7.7	26	32	28	40	62	78	22	7.7	8.1	7.7	54
30	6.9	26	31	28	---	41	82	19	7.7	11	7.7	20
31	5.5	26	31	30	---	41	87	24	7.3	14	8.1	5.2
	4.4	---	31	33	---	41	---	36	---	14	8.1	---
TOTAL	1263.0	308.8	1097	808	876	1932	1630	1463	914.8	236.6	294.5	1685.9
MEAN	40.7	10.3	35.4	26.1	31.3	62.3	54.3	47.2	30.5	7.63	9.50	56.2
MAX	69	26	54	33	40	76	87	92	55	14	14	71
MIN	4.4	4.4	25	23	26	37	41	17	7.3	6.6	7.7	5.2
CAL YR 1974	TOTAL	15536.8	MEAN	42.6	MAX	125	MIN	4.4				
WTR YR 1975	TOTAL	12509.6	MEAN	34.3	MAX	92	MIN	4.4				

STREAMS TRIBUTARY TO ST. LAWRENCE RIVER

04269000 ST. REGIS RIVER AT BRASHER CENTER, N.Y.

LOCATION.--Lat 44°51'49", long 74°46'45", St. Lawrence County, on left bank 600 ft (183 m) upstream from highway bridge at Brasher Center, and 6.5 mi (10.5 km) downstream from West Branch.

DRAINAGE AREA.--616 mi² (1,595 km²).

PERIOD OF RECORD.--August 1910 to current year. Monthly discharge only for some periods, published in WSP 1307.

GAGE.--Water-stage recorder. Datum of gage is 217.23 ft (66.212 m) above mean sea level. Prior to June 24, 1916, nonrecording gage at site 600 ft (183 m) downstream at different datum. June 24, 1916 to Nov. 10, 1917, and Jan. 1, 1919 to Aug. 13, 1920, non-recording gage at present site and datum.

AVERAGE DISCHARGE.--65 years, 1,008 ft³/s (28.55 m³/s) (22.84 in/yr or 580.1 mm/yr).

EXTREMES.--Current year: Maximum discharge, 8,450 ft³/s (239 m³/s) Apr. 20 (gage height, 10.29 ft or 3.14 m); minimum, 134 ft³/s (3.79 m³/s) Aug. 21, 22 (gage height, 5.69 ft or 1.734 m); minimum daily, 148 ft³/s (4.19 m³/s) Aug. 22.

Period of record: Maximum discharge, 16,800 ft³/s (476 m³/s) Apr. 6, 1937 (gage height, 12.82 ft or 3.908 m); maximum gage height recorded, about 15.3 ft (4.66 m) Apr. 6, 1937 (ice jam); minimum discharge observed, about 34 ft³/s (0.96 m³/s) Aug. 8, 1917 (gage height, 5.25 ft or 1.600 m); minimum daily, 37 ft³/s (1.05 m³/s) Aug. 8, 1917.

REMARKS.--Records good except those for winter periods, which are poor. Slight diurnal fluctuation caused by powerplant operations above station. Water-quality records for the current year are published in Section 2 of this report.

REVISIONS (WATER YEARS).--WSP 584: Drainage area. WSP 1387: 1910-16, 1917(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	650	470	1100	600	1100	1300	1200	3590	1100	255	339	288
2	701	505	1000	600	1000	1200	1200	3860	1150	242	294	300
3	733	479	960	580	960	1100	1100	3740	948	242	263	398
4	830	496	940	580	880	1000	1100	3340	790	236	246	479
5	852	542	920	580	800	960	1200	3160	766	230	232	454
6	919	552	900	600	760	920	1300	2890	889	219	222	399
7	863	496	960	600	720	880	1300	2620	1370	207	218	366
8	786	479	1100	620	660	820	1200	2350	1830	206	214	351
9	630	419	3100	660	620	780	1200	2120	1700	203	205	754
10	496	436	2580	890	600	720	1200	1920	1370	201	194	414
11	533	461	2030	1380	560	720	1100	1710	1090	227	188	283
12	479	444	1650	2540	560	760	1100	1530	998	231	180	302
13	524	874	1460	2030	540	760	1100	1420	967	229	183	437
14	561	1650	1250	1530	540	740	1200	1300	728	241	188	573
15	571	1550	1120	1200	560	740	1440	1200	691	271	183	729
16	600	1320	1000	1100	600	760	1940	1220	524	253	183	584
17	630	1110	900	1000	640	780	2390	1430	461	235	178	509
18	650	1040	840	900	660	820	2920	1290	519	223	174	528
19	630	1020	800	820	620	860	5590	1140	482	207	174	517
20	670	1110	780	760	600	900	8050	1010	489	201	163	576
21	590	2120	760	720	640	960	6560	924	470	250	157	613
22	600	2560	740	700	740	1000	5580	845	427	357	148	523
23	552	1890	740	700	840	1100	4840	853	444	411	161	481
24	552	1840	720	720	1000	1300	4900	815	340	354	163	444
25	561	2510	700	760	1300	1700	5830	742	318	320	166	420
26	571	2370	680	840	1700	2300	5310	686	318	289	191	958
27	561	1940	660	980	1600	1860	4400	646	255	278	216	2120
28	552	1550	640	1400	1500	1740	3620	611	261	288	248	1770
29	505	1350	640	1400	---	1600	3240	605	261	483	317	1400
30	479	1230	620	1290	---	1500	3220	544	255	484	303	1080
31	461	---	620	1200	---	1300	---	737	---	414	285	---
TOTAL	19292	34813	32910	30280	23300	33880	86330	50848	22211	8487	6576	19050
MEAN	622	1160	1062	977	832	1093	2878	1640	740	274	212	635
MAX	919	2560	3100	2540	1700	2300	8050	3860	1830	484	339	2120
MIN	461	419	620	580	540	720	1100	544	255	201	148	283
CFSM	1.01	1.88	1.72	1.59	1.35	1.77	4.67	2.66	1.20	.44	.34	1.03
IN.	1.17	2.10	1.99	1.83	1.41	2.05	5.21	3.07	1.34	.51	.40	1.15
CAL YR 1974	TOTAL	468595	MEAN	1284	MAX	9390	MIN	296	CFSM	2.08	IN	28.30
WTR YR 1975	TOTAL	367977	MEAN	1008	MAX	8050	MIN	148	CFSM	1.64	IN	22.22

PEAK DISCHARGE (BASE, 5,600 CFS)

DATE	TIME	G. H.	DISCHARGE
04-20	0315	10.29	8,450
04-25	1430	9.38	6,000

STREAMS TRIBUTARY TO ST. LAWRENCE RIVER

04269043 DEER RIVER AT NORTH LAWRENCE, N.Y.

LOCATION.--Lat 44°47'57", long 74°40'24", St. Lawrence County, on right bank, 0.4 mi (0.6 km) upstream from abandoned railroad bridge, 0.5 mi (0.8 km) upstream from dam at Kraft Co. Plant at North Lawrence, and 1.7 mi (2.7 km) downstream from Kingston Brook.

DRAINAGE AREA.--88.2 mi² (228 km²).

PERIOD OF RECORD.--December 1972 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 330 ft (101 m) (from topographic map).

EXTREMES.--Maximum discharge, 1,420 ft³/s (40.2 m³/s) Apr. 20 (gage height, 4.27 ft or 1.301 m); maximum gage height, 8.76 ft (2.67 m) Jan. 18 (backwater from ice); minimum discharge, 18 ft³/s (0.51 m³/s) Aug. 20, 21 (gage height, 1.35 ft or 0.411 m).

Period of record: Maximum discharge, 2,350 ft³/s (67.3 m³/s) Apr. 4, 1974 (gage height, 5.22 ft or 1.591 m), from rating curve extended above 1,500 ft³/s (42.5 m³/s); maximum gage height, 12.03 ft (3.667 m) Jan. 8, 1973 (backwater from ice); minimum discharge, 18 ft³/s (0.51 m³/s) Aug. 20, 21, 1975 (gage height, 1.35 ft or 0.411 m).

REMARKS.--Records good except those for winter periods, which are poor.

COOPERATION.--Observer services furnished by personnel of the Kraft Co. Plant, North Lawrence N.Y.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	69	61	110	66	78	150	160	552	133	31	31	39
3	73	63	86	68	82	140	150	579	119	30	29	44
4	88	65	100	70	88	130	150	536	100	30	27	80
5	95	75	72	90	66	120	180	477	95	29	26	95
6	108	88	60	60	74	96	160	454	95	28	26	77
7												
8	115	81	100	54	80	110	150	413	136	27	26	59
9	98	73	150	68	78	100	130	376	288	27	26	48
10	83	67	240	92	74	96	140	345	260	26	25	43
11	71	61	370	120	70	94	150	318	220	25	23	40
12	65	59	358	190	70	96	140	288	174	25	22	40
13												
14	63	56	301	200	64	86	140	260	149	31	21	35
15	59	54	239	220	66	82	133	235	116	28	20	64
16	73	200	216	230	66	190	133	216	98	29	20	89
17	79	216	181	200	62	120	140	196	86	30	23	95
18	77	181	136	160	62	100	208	177	71	34	21	83
19												
20	75	146	120	150	62	100	314	208	61	30	20	73
21	73	127	140	120	62	100	408	204	56	31	20	64
22	71	130	140	110	62	160	536	181	51	30	20	63
23	71	121	140	100	70	200	875	160	48	27	19	88
24	67	160	120	100	70	880	1150	136	46	26	19	113
25												
26	63	389	110	130	68	440	925	100	45	38	18	108
27	61	305	110	180	82	400	826	88	43	41	20	92
28	61	210	100	90	100	360	722	113	40	39	20	73
29	59	230	120	76	160	280	646	110	39	38	23	60
30	59	250	80	94	240	360	771	93	37	37	26	55
31												
32	63	210	78	110	210	280	692	81	36	37	26	250
33	61	160	90	110	180	300	552	75	36	35	34	328
34	58	150	110	160	170	240	472	69	35	39	43	258
35	58	150	100	140	---	220	435	61	34	42	44	210
36	58	140	100	100	---	200	472	65	33	36	43	167
37	56	---	64	76	---	190	---	95	---	33	42	---
TOTAL	2230	4278	4441	3734	2616	6420	12060	7261	2780	989	803	2933
MEAN	71.9	143	143	120	93.4	207	402	234	92.7	31.9	25.9	97.8
MAX	115	389	370	230	240	880	1150	579	288	42	44	328
CFSM	56	54	60	54	62	82	130	61	33	25	18	35
IN.	.82	1.62	1.62	1.36	1.06	2.35	4.56	2.65	1.05	.36	.29	1.11
	.94	1.80	1.87	1.57	1.10	2.71	5.09	3.06	1.17	.42	.34	1.24
CAL YR 1974	TOTAL	61167	MEAN 168	MAX	1370	MIN 39	CFSM 1.90	IN 25.80				
WTR YR 1975	TOTAL	50545	MEAN 138	MAX	1150	MIN 18	CFSM 1.56	IN 21.32				

PEAK DISCHARGE (BASE, 800 CFS)

DATE	TIME	G. H.	DISCHARGE
04-20	0230	4.27	1,420
04-25	0930	3.53	838

STREAMS TRIBUTARY TO ST. LAWRENCE RIVER

04270000 SALMON RIVER AT CHASM FALLS, N.Y.

LOCATION.--Lat 44°45'22", long 74°13'09", Franklin County, on right bank 0.1 mi (0.2 km) downstream from Niagara Mohawk Power Corp. power plant at Chasm Falls, and 3.0 mi (4.8 km) downstream from Duane Stream.

DRAINAGE AREA.--132 mi² (342 km²).

PERIOD OF RECORD.--July 1925 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,011.52 ft (308.311 m) above mean sea level.

AVERAGE DISCHARGE.--50 years, 224 ft³/s (6.344 m³/s).

EXTREMES.--Current year: Maximum discharge, 1,560 ft³/s (44.2 m³/s) Apr. 20 (gage height, 3.77 ft or 1.149 m); minimum, 15 ft³/s (0.42 m³/s) Oct. 24 (gage height, 0.49 ft or 0.149 m); minimum daily, 76 ft³/s (2.15 m³/s) Aug. 17.
Period of record: Maximum discharge, 2,890 ft³/s (81.8 m³/s) Apr. 25, 1926 (gage height, 5.0 ft or 1.52 m); minimum, 9.8 ft³/s (0.28 m³/s) Sept. 26, 27, 1963, minimum daily, 28 ft³/s (0.79 m³/s) Sept. 4, 1934.

REMARKS.--Records good except those for winter periods, which are fair. Seasonal regulation of flow by upstream reservoirs. Diurnal fluctuation at low and medium flow caused by powerplant. A small diversion from tributary stream above station is used as water supply for village of Malone.

REVISIONS (WATER YEARS).--WSP 729: 1931 (m). WSP 759: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	189	162	200	197	203	221	210	949	195	113	115	137
2	175	160	225	186	189	206	200	1030	181	114	97	185
3	183	160	221	173	183	195	210	998	157	102	117	322
4	178	170	209	192	178	181	220	956	165	119	93	231
5	192	175	195	125	170	181	240	908	165	105	120	176
6	245	173	212	121	173	197	240	868	203	117	111	152
7	238	167	206	136	175	189	230	794	332	105	107	159
8	231	160	288	132	173	186	220	721	357	139	109	140
9	221	132	475	149	170	165	210	640	288	128	87	137
10	218	125	328	162	160	186	200	565	245	149	110	128
11	215	123	284	189	170	183	190	505	209	126	87	123
12	209	119	252	361	162	170	190	456	203	113	106	231
13	215	175	241	296	162	212	190	423	203	115	114	270
14	212	218	231	225	160	186	190	383	183	137	91	234
15	212	189	215	189	154	183	212	312	197	154	81	189
16	206	175	203	200	160	181	231	374	175	126	106	170
17	197	167	215	178	157	186	272	353	165	122	76	181
18	200	165	228	175	157	186	344	308	173	106	105	197
19	192	178	218	192	157	197	640	284	183	98	90	227
20	183	175	212	181	162	288	1310	268	163	106	87	220
21	178	332	206	170	160	366	1420	249	171	142	98	185
22	173	324	203	175	160	366	1060	170	148	159	98	166
23	173	280	200	162	173	349	862	162	143	134	118	170
24	160	308	200	170	189	320	970	162	139	138	87	141
25	143	447	195	175	231	304	1240	152	131	146	119	162
26	170	349	167	209	249	316	1120	123	124	133	178	383
27	170	284	197	228	234	280	895	157	123	121	249	572
28	162	249	200	218	231	296	760	143	119	131	159	382
29	162	245	197	206	---	272	721	136	118	136	145	209
30	162	228	195	225	---	256	821	157	115	119	173	191
31	147	---	170	215	---	234	---	215	---	124	162	---
TOTAL MEAN	5911	6314	6988	5912	5002	7238	15818	13921	5473	3917	3595	6370
MAX	245	447	475	361	249	366	1420	1030	357	182	249	572
MIN	143	119	167	121	154	165	190	123	115	98	76	123
CAL YR 1974 TOTAL	99833			MEAN 274	MAX 1380	MIN 119						
WTR YR 1975 TOTAL	86459			MEAN 237	MAX 1420	MIN 76						

04270200 LITTLE SALMON RIVER AT BOMBAY, N.Y.

LOCATION.--Lat 44°56'24", long 74°33'24", Franklin County, on right bank 50 ft (15 m) downstream from bridge on road to Fort Covington Center, 0.5 mi (0.8 km) east of village of Bombay, and 7.2 mi (11.6 km) upstream from mouth.

DRAINAGE AREA.--93.6 mi² (242 km²).

PERIOD OF RECORD.--August to November 1957, July 1958 to current year. Occasional low-flow measurements, water years 1954-55, 1957.

GAGE.--Water-stage recorder. Datum of gage is 173.91 ft (53.008 m) above mean sea level. August to November 1957, at site 100 ft (30 m) upstream at datum 0.72 ft (0.219 m) higher.

AVERAGE DISCHARGE.--17 years (1958-75), 115 ft³/s (3.257 m³/s) (16.68 in/yr or 423.7 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,510 ft³/s (71.1 m³/s) Apr. 19 (gage height, 11.28 ft or 3.438 m); minimum, 12 ft³/s (0.34 m³/s) Aug. 21 (gage height, 1.42 ft or 0.433 m).

Period of record: Maximum discharge, 3,250 ft³/s (92.0 m³/s) Apr. 4, 1974 (gage height, 12.90 ft or 3.932 m); minimum, 8.0 ft³/s (0.23 m³/s) Aug. 6, 7, 1965 (gage height, 1.52 ft or 0.463 m); minimum gage height, 0.85 ft (0.259 m) Sept. 2, 1957 (site and datum then in use).

REMARKS.--Records fair except those for winter periods, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	37	39	70	60	52	110	120	264	74	23	20	18
3	39	46	68	58	52	100	120	262	91	23	19	21
4	61	46	74	56	54	98	110	232	66	25	18	50
5	77	47	54	54	52	96	120	200	69	25	17	35
6	67	61	47	50	50	94	130	224	72	22	19	30
7												
8	61	53	58	45	47	96	120	186	97	21	19	24
9	54	46	72	52	45	90	120	146	232	21	18	22
10	47	42	100	66	45	86	120	126	206	20	18	20
11	41	39	350	90	45	80	120	113	124	19	16	18
12	40	38	180	110	45	76	120	103	83	19	15	18
13												
14	40	38	130	130	45	72	120	93	63	21	13	18
15	37	37	110	150	45	72	120	86	55	22	14	24
16	40	96	110	150	45	76	130	84	57	22	14	62
17	46	162	100	130	45	88	140	79	50	22	16	42
18	42	104	100	120	45	78	356	75	46	28	16	36
19												
20	42	86	100	110	46	80	558	100	43	25	15	27
21	40	77	110	96	50	86	735	107	39	20	14	24
22	46	82	110	90	54	96	925	86	37	18	14	25
23	43	75	110	90	60	110	1830	75	37	17	13	33
24	40	76	100	96	64	150	1560	67	34	18	13	59
25												
26	37	426	96	86	60	500	640	62	32	24	12	45
27	34	268	80	68	64	300	426	61	30	55	13	34
28	34	143	76	56	70	220	362	72	28	34	14	27
29	34	186	80	60	88	220	446	64	27	24	16	26
30	33	424	70	76	110	230	520	57	26	30	15	28
31												
32	36	236	66	90	180	210	382	52	25	27	17	202
33	36	137	70	100	130	190	304	51	23	21	27	322
34	33	100	80	94	120	170	258	49	23	21	21	124
35	32	80	74	74	---	160	234	46	25	38	18	78
36	32	78	64	60	---	150	242	45	24	32	18	58
37	33	---	62	54	---	130	---	67	---	22	21	---
TOTAL												
MEAN	1314	3368	2971	2621	1808	4314	11488	3334	1838	759	513	1550
MAX	42.4	112	95.8	84.5	64.6	139	383	108	61.3	24.5	16.5	51.7
MIN	77	426	350	150	180	500	1830	264	232	55	27	322
CFSM	32	37	47	45	45	72	110	45	23	17	12	18
IN.	.45	1.20	1.02	.90	.69	1.49	4.09	1.15	.65	.26	.18	.55
	.52	1.34	1.18	1.04	.72	1.71	4.57	1.33	.73	.30	.20	.62

CAL YR 1974	TOTAL	50292	MEAN	138	MAX	2320	MIN	27	CFSM	1.47	IN	19.99
WTR YR 1975	TOTAL	35878	MEAN	98.3	MAX	1830	MIN	12	CFSM	1.05	IN	14.26

PEAK DISCHARGE (BASE, 900 CFS)

DATE	TIME	G. H.	DISCHARGE
04-19	2030	11.28	2,510

STREAMS TRIBUTARY TO ST. LAWRENCE RIVER

04270510 CHATEAUGAY RIVER BELOW CHATEAUGAY, N.Y.

LOCATION.--Lat 44°57'49", long 74°07'53", Franklin County, on left bank 10 ft (3 m) downstream from bridge on Sam Cook Road, 0.2 mi (0.3 km) downstream from Marble River, 2.4 mi (3.9 km) upstream from international boundary, and 4.1 mi (6.6 km) northeast of Chateaugay.

DRAINAGE AREA.--151 mi² (391 km²).

PERIOD OF RECORD.--December 1965 to current year.

GAGE.--Water-stage recorder. Datum of gage is 411.33 ft (125.373 m) above mean sea level.

AVERAGE DISCHARGE.--9 years (1966-75), 244 ft³/s (6.910 m³/s).

EXTREMES.--Current year: Maximum discharge, 4,980 ft³/s (141 m³/s) Apr. 19 (gage height, 7.26 ft or 2.213 m), from rating curve extended as explained below; minimum, 52 ft³/s (1.47 m³/s) Aug. 20, 21 (gage height, 2.67 ft or 0.814 m); minimum daily, 54 ft³/s (1.53 m³/s) Aug. 20.

Period of record: Maximum discharge, 5,200 ft³/s (147 m³/s) Apr. 4, 1974 (gage height, 7.33 ft or 2.234 m), from rating curve extended above 1,600 ft³/s (45.3 m³/s); maximum gage height, 10.99 ft (3.350 m) Feb. 11, 1966 (ice jam); minimum discharge, 45 ft³/s (1.27 m³/s) Aug. 31, 1969 (gage height, 2.66 ft or 0.811 m); minimum daily, 54 ft³/s (1.53 m³/s) Aug. 20, 1975.

REMARKS.--Records good except those for winter periods, which are poor. Flow regulated at Forge Dam on Upper and Lower Chateaugay Lakes.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	138	94	230	140	200	183	330	889	183	83	57	133
2	128	94	210	150	180	177	322	897	180	83	57	183
3	133	94	200	150	160	169	330	913	177	85	59	206
4	130	100	180	140	160	166	326	929	185	82	60	230
5	128	98	170	140	170	171	317	913	177	82	60	227
6	123	96	150	150	170	169	313	889	216	80	59	206
7	120	98	140	160	170	161	305	728	241	80	60	177
8	118	96	200	160	170	158	297	557	233	83	59	163
9	118	96	240	150	170	158	293	545	220	85	57	161
10	165	98	210	160	170	169	289	486	191	83	57	141
11	269	98	170	322	170	171	289	365	183	83	57	62
12	342	100	170	275	160	174	285	349	183	82	57	93
13	390	125	160	224	160	210	285	322	194	83	59	77
14	266	115	160	197	160	188	293	313	203	83	59	79
15	86	113	160	185	150	174	317	313	200	83	56	74
16	83	110	150	170	150	171	349	301	213	80	56	73
17	86	113	150	160	140	194	432	266	200	80	56	77
18	85	113	150	160	140	237	517	262	143	79	56	76
19	83	113	150	160	150	278	3080	259	141	79	55	125
20	81	138	150	170	160	605	1380	255	136	82	54	134
21	79	180	140	170	170	506	798	230	111	94	55	136
22	85	155	130	180	170	463	701	200	94	87	59	169
23	83	168	140	160	200	486	714	191	94	80	56	216
24	83	236	150	160	350	522	913	183	92	80	56	270
25	86	296	160	160	414	539	850	183	90	87	60	281
26	85	254	130	180	216	517	770	191	89	79	73	338
27	81	250	150	230	188	481	843	230	89	77	73	301
28	85	260	150	230	185	432	937	223	89	63	66	281
29	86	260	150	220	---	345	905	206	87	63	70	278
30	88	250	150	220	---	369	889	171	85	57	80	274
31	92	---	140	220	---	338	---	188	---	57	72	---
TOTAL	4005	4411	5090	5653	5153	9081	18669	12947	4719	2464	1870	5241
MEAN	129	147	164	182	184	293	622	418	157	79.5	60.3	175
MAX	390	296	240	322	414	605	3080	929	241	94	80	338
MIN	79	94	130	140	140	158	285	171	85	57	54	62
CAL YR 1974	TOTAL	93292	MEAN 256	MAX	2950	MIN 79						
WTR YR 1975	TOTAL	79303	MEAN 217	MAX	3080	MIN 54						

STREAMS TRIBUTARY TO ST. LAWRENCE RIVER

04273500 SARANAC RIVER AT PLATTSBURGH, N.Y.

LOCATION.--Lat 44°40'54", long 73°28'18", Clinton County, on right bank at Plattsburgh, 600 ft (183 m) downstream from Imperial Paper and Color Corp. dam, 3.0 mi (4.8 km) upstream from mouth, and 5.5 mi (8.8 km) downstream from Mead Brook.

DRAINAGE AREA.--608 mi² (1,575 km²). Prior to Nov. 12, 1919, 607 mi² (1,572 km²).

PERIOD OF RECORD.--March 1903 to September 1930, October 1943 to current year. Published as "near Plattsburgh", 1903-30.

GAGE.--Water-stage recorder. Datum of gage is 155.74 ft (47.470 m) above mean sea level. Prior to Nov. 12, 1919, non-recording gage and Nov. 12, 1919 to Sept. 30, 1930, water-stage recorder, at site 1.5 mi (2.4 km) upstream at different datum.

AVERAGE DISCHARGE.--59 years, 821 ft³/s (23.25 m³/s).

EXTREMES.--Current year: Maximum discharge, 5,070 ft³/s (144 m³/s) Apr. 19 (gage height, 7.43 ft or 2.265 m); minimum, 56 ft³/s (1.59 m³/s) July 8 (gage height, 1.95 ft or 0.594 m), minimum daily, 207 ft³/s (5.86 m³/s) Aug. 25.

Period of record: Maximum discharge, 11,500 ft³/s (326 m³/s) Apr. 8, 1928, from computation of flow over dam and through waste gates and powerplant; minimum daily, 10 ft³/s (0.28 m³/s) July 5, 1965.

CORRECTIONS.--The minimum discharge for the water year 1974 is 65 ft³/s (1.84 m³/s) Aug. 22, 1974 (gage height, 2.02 ft or 0.616 m); the previously published figure in WRD NY 1974 was not the minimum.

REMARKS.--Records good except those for winter periods, which are fair. Considerable diurnal fluctuation caused by power and industrial operations. Slight regulation by storage in Upper and Lower Saranac Lakes and elsewhere. During year, city of Plattsburgh diverted an average of 13.4 ft³/s (0.38 m³/s) from Saranac River and Mead and West Brooks, tributaries above station, for municipal supply. About 1 ft³/s (0.028 m³/s) inversion from Great Chazy River basin for water supply of State Institutions at Dannemora.

REVISIONS (WATER YEARS).--WSP 354: Drainage area. WSP 384: 1909-10 (monthly discharge only). WSP 1387: 1907-8. WSP 1437: 1908 (minimum daily only).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	645	288	947	748	660	831	812	2620	663	257	273	229
3	600	348	923	679	640	834	796	2640	638	238	322	398
4	597	484	914	696	600	772	789	2520	680	254	244	413
5	583	505	809	719	580	755	814	2440	719	305	241	485
	577	490	730	606	500	736	841	2350	813	211	239	515
6												
7	530	512	834	515	520	744	814	2280	818	208	394	407
8	541	512	798	555	580	734	864	2180	1030	212	295	295
9	572	523	870	545	580	717	766	2040	1130	232	229	371
10	529	518	1370	634	560	706	737	1920	1190	282	239	358
	511	499	1300	637	540	770	762	1840	937	282	327	261
11												
12	773	526	1110	619	520	751	765	1740	787	314	297	214
13	509	516	1040	767	500	750	734	1590	750	303	241	367
14	500	539	1020	874	480	770	751	1570	717	291	241	604
15	520	504	997	913	470	711	805	1510	768	276	242	629
	500	643	917	696	460	677	932	1420	789	266	241	507
16												
17	420	737	916	697	460	665	1150	1430	746	263	239	512
18	503	751	763	695	500	629	1340	1400	670	267	243	444
19	498	833	997	624	585	700	1600	1300	465	282	442	455
20	684	841	869	657	630	808	2570	1240	450	282	230	538
	627	788	846	715	637	1330	4610	1200	484	280	220	519
21												
22	520	1050	781	594	624	1770	3400	1100	477	279	218	419
23	497	1390	744	565	620	1520	2610	1040	498	273	216	471
24	496	1250	802	630	625	1410	2640	941	482	268	247	499
25	485	1180	786	647	618	1320	3280	992	488	265	229	465
	484	1530	802	694	905	1280	3800	827	478	269	207	303
26												
27	620	1490	661	746	1020	1440	3380	844	445	279	292	621
28	465	1170	764	785	875	1020	2930	704	376	272	358	1170
29	506	1090	801	681	865	909	2600	645	246	270	421	926
30	493	1070	765	640	---	943	2370	621	246	311	420	783
31	500	1020	702	620	---	826	2420	655	246	368	312	711
	336	---	714	620	---	862	---	662	---	282	257	---
TOTAL												
MEAN	16621	23597	27292	20813	17154	28690	52682	46261	19226	8441	8616	14889
MAX	536	787	880	671	613	925	1756	1492	641	272	278	496
MIN	773	1530	1370	913	1020	1770	4610	2640	1190	368	442	1170
	336	288	661	515	460	629	734	621	246	208	207	214
CAL YR 1974	TOTAL	377311	MEAN	1034	MAX	4490	MIN	230				
WTR YR 1975	TOTAL	284282	MEAN	779	MAX	4610	MIN	207				

04275000 EAST BRANCH AUSABLE RIVER AT AU SABLE FORKS, N.Y.

LOCATION.--Lat 44°26'20", long 73°40'55", Essex County, on left bank 700 ft (213 m) upstream from bridge on Burt Street in Au Sable Forks, and 0.5 mi (0.8 km) upstream from confluence with West Branch.

DRAINAGE AREA.--198 mi² (513 km²).

PERIOD OF RECORD.--September 1924 to current year.

GAGE.--Water-stage recorder. Datum of gage is 545.37 ft (166.229 m) above mean sea level. Prior to Sept. 21, 1938, nonrecording gage at lower highway bridge in Au Sable Forks, 400 ft (122 m) upstream from confluence with West Branch at datum 3.54 ft (1.079 m) lower.

AVERAGE DISCHARGE.--51 years, 303 ft³/s (8.581 m³/s) (20.79 in/yr or 528.1 mm/yr).

EXTREMES.--Current year: Maximum discharge, 5,420 ft³/s (153 m³/s) Dec. 9 (gage height, 7.01 ft or 2.137 m); minimum, 31 ft³/s (0.88 m³/s) Aug. 20-22 (gage height, 0.90 ft or 0.274 m).

Period of record: Maximum discharge, 20,100 ft³/s (569 m³/s) Sept. 22, 1938 (gage height, 12.91 ft or 3.935 m), from rating curve extended above 5,800 ft³/s (164 m³/s) on basis of velocity-area studies; minimum observed, 20 ft³/s (0.57 m³/s) Aug. 11, 14, 28, 1934.

REMARKS.--Records good except those for winter periods, which are poor. Occasional regulation of storage in Upper and Lower Ausable Lakes and occasional small diurnal fluctuation, cause unknown.

REVISIONS.--WSP 759: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	160	99	150	130	160	270	210	983	404	57	55	94
2	140	103	150	100	140	210	198	1250	373	53	49	82
3	140	108	140	110	130	170	210	1180	273	52	47	112
4	127	110	120	100	120	160	204	1310	235	49	82	127
5	115	152	130	94	130	140	207	1570	212	46	94	99
6												
7	115	216	130	94	130	130	201	1330	470	44	77	79
8	122	204	207	98	120	130	181	1230	615	43	67	72
9	110	176	1230	100	110	120	170	1200	756	43	96	66
10	99	155	3170	110	100	110	162	1200	490	43	108	59
11	97	137	1030	160	110	110	157	1180	340	55	72	53
12												
13	91	125	626	323	98	100	170	1150	248	48	59	48
14	87	115	441	642	96	98	176	1180	209	44	57	480
15	85	334	346	360	94	94	179	1170	262	43	53	537
16	83	452	293	258	94	94	184	1030	427	46	48	300
17	125	330	241	193	92	94	261	990	320	55	43	185
18												
19	300	261	200	150	90	94	334	1170	245	64	40	132
20	213	213	190	150	86	94	462	990	215	56	38	112
21	207	187	180	160	84	110	610	824	185	49	37	103
22	184	170	170	160	82	150	2540	780	157	46	34	130
23	152	168	160	140	82	1870	2210	738	173	42	33	490
24												
25	130	999	150	140	82	1250	1080	698	168	47	31	344
26	118	721	130	150	84	637	738	698	135	56	31	235
27	110	426	130	130	94	525	686	527	112	46	33	165
28	106	392	120	120	250	416	1510	437	99	42	34	144
29	103	932	120	140	400	421	2000	356	84	48	36	231
30												
31	101	581	130	160	580	558	1340	292	74	52	41	1100
32	97	355	120	180	400	342	942	281	69	42	74	949
33	89	286	130	150	320	311	715	259	64	48	77	511
34	87	200	140	170	---	297	598	212	63	62	59	312
35	85	170	150	190	---	275	681	188	60	75	75	218
36	95	---	140	180	---	238	---	352	---	63	122	---
TOTAL												
MEAN	3873	8877	10764	5342	4358	9618	19316	26755	7537	1559	1802	7569
MAX	125	296	347	172	156	310	644	863	251	50.3	58.1	252
MIN	300	999	3170	642	580	1870	2540	1570	756	75	122	1100
CFSM	83	99	120	94	82	94	157	188	60	42	31	48
IN.	.63	1.49	1.75	.87	.79	1.57	3.25	4.36	1.27	.25	.29	1.27
IN.	.73	1.67	2.02	1.00	.82	1.81	3.63	5.03	1.42	.29	.34	1.42
CAL YR 1974	TOTAL	119250	MEAN 327	MAX 3170	MIN 54	CFSM 1.65	IN 22.40					
WTR YR 1975	TOTAL	107370	MEAN 294	MAX 3170	MIN 31	CFSM 1.48	IN 20.17					

PEAK DISCHARGE (BASE, 3,700 CFS)

DATE	TIME	G. H.	DISCHARGE
12-09	0300	7.01	5,420
04-19	2000	6.17	4,130

STREAMS TRIBUTARY TO ST. LAWRENCE RIVER

04278000 LAKE GEORGE AT ROGERS ROCK, N.Y.

LOCATION.--Lat 43°48'28", long 73°27'30", Essex County, on west shore about 500 ft (152 m) north of Hooper's dock at Rogers Rock, and 0.4 mi (0.6 km) west of Baldwin.

DRAINAGE AREA.--233 mi² (603 km²) at outlet at Ticonderoga.

PERIOD OF RECORD.--July 1913 to current year.

GAGE.--Water-stage recorder. Datum of gage is 315.93 ft (96.295 m) above mean sea level, adjustment of 1912. Prior to Nov. 4, 1929, nonrecording gages at several sites within a half a mile of present site at same datum. Nov. 4, 1929, to Sept. 26, 1936, nonrecording gage at present site and datum.

EXTREMES.--Current year: Maximum gage height, 4.12 ft (1.256 m) Sept. 28; minimum, 2.57 ft (0.783 m) Jan. 4, 5, 6.
Period of record: Maximum gage height observed, 5.09 ft (1.551 m) Apr. 9, 1936; minimum, 0.64 ft (0.195 m) Dec. 20, 1941.

REMARKS.--Elevation of lake regulated by powerplant wheel gate and floodgates at Ticonderoga. Lake George has been controlled by a dam at its outlet for more than 100 years. Area of water surface is 44 mi² (114 km²).

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.44	2.99	3.08	2.65	2.90	3.09	3.52	3.80	3.88	3.62	3.52	3.60
2	3.43	2.95	2.99	2.64	2.90	3.08	3.52	3.80	3.88	3.63	3.51	3.61
3	3.43	2.98	3.05	2.65	2.87	3.08	3.60	3.79	3.84	3.61	3.50	3.56
4	3.43	2.98	2.99	2.63	2.83	3.07	3.75	3.80	3.85	3.60	3.53	3.57
5	3.43	3.01	2.98	2.60	2.86	3.07	3.72	3.83	3.86	3.59	3.55	3.56
6	3.40	3.05	2.93	2.61	2.90	3.07	3.71	3.83	3.86	3.58	3.44	3.55
7	3.40	3.04	2.90	2.65	2.92	3.09	3.67	3.80	3.84	3.58	3.48	3.52
8	3.33	3.02	2.90	2.66	2.93	3.14	3.63	3.83	3.77	3.58	3.64	3.53
9	3.32	3.01	3.09	2.67	2.92	3.15	3.59	3.83	3.75	3.59	3.70	3.54
10	3.31	3.04	3.10	2.72	2.94	3.16	3.55	3.79	3.75	3.59	3.70	3.51
11	3.26	3.05	3.10	2.74	2.92	3.16	3.52	3.77	3.71	3.61	3.69	3.54
12	3.26	3.03	3.06	2.80	2.94	3.18	3.49	3.73	3.72	3.55	3.70	3.56
13	3.19	3.14	3.06	2.81	2.94	3.20	3.47	3.73	3.75	3.56	3.73	3.51
14	3.25	3.15	3.00	2.80	2.96	3.19	3.44	3.73	3.77	3.60	3.72	3.50
15	3.21	3.17	2.99	2.81	2.94	3.21	3.43	3.76	3.76	3.60	3.68	3.50
16	3.18	3.15	2.98	2.81	2.95	3.22	3.44	3.78	3.75	3.59	3.68	3.47
17	3.22	3.12	3.05	2.74	2.94	3.19	3.46	3.78	3.72	3.60	3.67	3.46
18	3.18	3.10	3.06	2.77	2.99	3.18	3.51	3.81	3.74	3.59	3.66	3.45
19	3.15	3.07	3.01	2.81	2.99	3.16	3.62	3.81	3.73	3.61	3.61	3.51
20	3.12	3.07	2.96	2.72	2.98	3.34	3.73	3.82	3.65	3.58	3.59	3.59
21	3.11	3.18	2.93	2.80	2.97	3.53	3.75	3.82	3.70	3.64	3.59	3.68
22	3.13	3.26	2.90	2.77	2.95	3.56	3.76	3.82	3.71	3.61	3.52	3.70
23	3.08	3.31	2.90	2.78	2.94	3.61	3.77	3.81	3.71	3.60	3.52	3.68
24	3.07	3.31	2.87	2.80	2.96	3.61	3.83	3.76	3.70	3.62	3.53	3.59
25	3.09	3.26	2.79	2.81	3.08	3.64	3.86	3.80	3.63	3.71	3.52	3.59
26	3.06	3.28	2.81	2.92	3.12	3.66	3.89	3.83	3.64	3.62	3.55	3.71
27	3.01	3.27	2.82	2.92	3.12	3.65	3.88	3.80	3.66	3.63	3.58	4.04
28	3.02	3.20	2.75	2.91	3.11	3.62	3.85	3.78	3.65	3.60	3.57	4.10
29	3.02	3.16	2.73	2.92	---	3.61	3.85	3.78	3.62	3.55	3.53	4.07
30	3.01	3.14	2.69	2.92	---	3.58	3.80	3.79	3.62	3.57	3.57	4.03
31	3.01	---	2.67	2.92	---	3.55	---	3.83	---	3.53	3.59	---
MEAN	3.21	3.12	2.94	2.77	2.96	3.31	3.65	3.79	3.74	3.60	3.59	3.63
MAX	3.44	3.31	3.10	2.92	3.12	3.66	3.89	3.83	3.88	3.71	3.73	4.10
MIN	3.01	2.95	2.67	2.60	2.83	3.07	3.43	3.73	3.62	3.53	3.44	3.45
CAL YR 1974	MEAN 3.43	MAX 4.44	MIN 2.67									
WTR YR 1975	MEAN 3.36	MAX 4.10	MIN 2.60									

04278300 NORTHWEST BAY BROOK NEAR BOLTON LANDING, N.Y.

LOCATION.--Lat 43°39'48", long 73°36'14", Warren County, on left bank 10 ft (3 m) downstream from county bridge on Padanarum Road, 7.7 mi (12.4 km) north and east of Bolton Landing.

DRAINAGE AREA.--23.4 sq. mi.

PERIOD OF RECORD.--October 1965 to September 1968, October 1971 to Current year. Annual maximum, water years 1969-71.

GAGE.--Water-stage recorder. Datum of gage is 423.60 ft (129.113 m) above mean sea level. Prior to Oct. 1, 1973 at datum 1.00 ft (0.305 m) higher.

AVERAGE DISCHARGE.--7 years (1965-68, 1971-75), 36.0 ft³/s (1.020 m³/s) (20.89 in/yr or 530.6 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,160 ft³/s (32.9 m³/s) Sept. 27 (gage height, 5.30 ft or 1.615 m) from rating curve extended as explained below; minimum recorded, 0.80 ft³/s (0.023 m³/s) Aug. 2, 3 (gage height, 0.80 ft or 0.244 m).

Period of record: Maximum discharge, 1,650 ft³/s (46.7 m³/s) Dec. 21, 1973 (gage height, 6.15 ft or 1.875 m) from rating curve extended above 190 ft³/s (5.38 m³/s) on basis of slope-area measurement at gage height 5.53 ft (1.686 m); minimum recorded 0.28 ft³/s (0.008 m³/s) Sept. 27, 28, 29, 1968 (gage height, 1.18 ft or 0.360 m).

REMARKS.--Records fair except those for winter periods and periods of doubtful or no gage-height record, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	18	7.7	68	14	80	60	42	49	11	3.7	1.2	3.7
3	17	9.0	36	13	50	40	41	45	7.9	3.1	1.0	2.8
4	21	8.0	33	12	35	28	55	42	6.3	3.3	.80	3.5
5	17	14	29	11	22	23	73	42	37	4.6	1.2	2.7
6	14	29	52	10	17	21	51	51	23	3.3	6.0	2.1
7												
8	13	59	28	10	15	20	44	42	32	2.6	3.0	2.6
9	12	37	25	11	14	19	39	36	34	2.3	12	2.6
10	10	29	137	14	13	19	36	35	55	2.1	35	2.1
11	10	24	308	20	12	18	33	32	34	1.8	7.4	2.4
12	9.4	21	122	35	12	17	33	29	19	5.8	4.0	2.0
13	8.7	19	85	60	12	17	39	26	14	3.9	2.8	1.7
14	8.7	17	66	100	11	17	45	24	32	3.3	2.2	4.4
15	8.0	73	56	150	11	16	50	29	50	2.6	2.7	5.1
16	8.0	63	51	110	11	16	49	24	34	3.1	2.5	3.5
17	9.4	74	43	90	11	16	73	22	25	6.0	1.9	2.7
18												
19	10	56	41	70	10	17	89	29	34	7.9	1.6	2.3
20	13	44	48	54	10	17	140	24	36	4.4	1.6	3.1
21	13	41	37	42	10	18	206	21	26	3.1	1.5	3.1
22	11	40	33	33	10	26	332	19	19	2.6	1.5	19
23	10	65	30	28	11	422	332	17	16	2.1	1.4	27
24												
25	9.7	337	28	26	12	262	190	15	13	3.5	1.3	87
26	9.4	161	27	25	15	144	132	14	12	4.6	1.3	40
27	9.0	100	25	26	25	140	111	13	9.8	2.7	1.4	29
28	8.4	79	24	29	60	125	156	11	8.6	2.1	1.5	25
29	8.7	97	23	34	110	142	161	9.3	7.4	4.4	1.7	55
30												
31	8.7	86	21	60	200	150	116	8.2	6.3	5.8	2.0	340
TOTAL	8.0	66	19	90	150	114	89	8.6	5.3	3.1	3.0	425
MEAN	7.7	53	18	80	90	106	70	7.5	5.1	2.1	1.6	134
MAX	7.7	47	17	74	---	70	59	6.3	5.1	1.7	1.6	78
MIN	7.4	40	16	100	---	55	52	7.5	4.4	1.4	4.0	55
CFSM	7.4	---	15	140	---	49	---	9.8	---	1.3	11	---
IN.												
TOTAL	333.3	1795.7	1561	1571	1039	2204	2938	748.2	622.2	104.3	121.70	1366.4
MAX	10.8	59.9	50.4	50.7	37.1	71.1	97.9	24.1	20.7	3.36	3.93	45.5
MIN	21	337	308	150	200	422	332	51	55	7.9	35	425
CFSM	7.4	7.7	15	10	10	16	33	6.3	4.4	1.3	.80	1.7
IN.	.46	2.56	2.15	2.17	1.59	3.04	4.18	1.03	.88	.14	.17	1.94
	.53	2.85	2.48	2.50	1.65	3.50	4.67	1.19	.99	.17	.19	2.17

CAL YR	WTR YR	TOTAL	MEAN	MAX	MIN	CFSM	IN
1974	1974	14714.10	40.3	378	1.3	1.72	23.39
1975	1975	14404.80	39.5	425	.80	1.69	22.90

PEAK DISCHARGE (BASE, 400 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
11-21	1115	3.79	532	04-20	0045	3.77	524
12-09	0030	4.09	636	09-27	0015	5.30	1,160
03-20	1845	4.22	688				

NOTE.--No gage-height record Dec. 20 to Feb. 5. Doubtful or no gage-height record July 31 to Sept. 3.

STREAMS TRIBUTARY TO ST. LAWRENCE RIVER

04279000 LA CHUTE AT TICONDEROGA, N.Y.

LOCATION.--Lat 43°50'38", long 73°25'57", Essex County, on right bank 250 ft (76 m) downstream from International Paper Co. "C" Mill dam, at Ticonderoga, 250 ft (76 m) upstream from Trout Brook, and 0.5 mi (0.8 km) downstream from upper ("A" Mill) dam.

DRAINAGE AREA.--234 mi² (606 km²).

PERIOD OF RECORD.--August 1904 to December 1905, October 1942 to current year. Prior to October 1973, published as Lake George Outlet at Ticonderoga.

GAGE.--Water-stage recorder and concrete control on river channel. Datum of gage is 190.41 ft (58.037 m) above mean sea level. Prior to June 25, 1971 turbine gate-opening recorder in powerplant at "C" Mill dam. Prior to Dec. 31, 1905, nonrecording gage at site 2,000 ft (610 m) upstream at different datum.

AVERAGE DISCHARGE.--33 years (1942-75), 298 ft³/s (8.439 m³/s).

EXTREMES.--Current year: Maximum daily discharge, 1,000 ft³/s (28.3 m³/s) Sept. 28; minimum daily, 57 ft³/s (1.61 m³/s) Sept. 18. 1942-75: Maximum daily discharge, 1,290 ft³/s (36.5 m³/s) June 5, 6, 1947; minimum daily, 6.1 ft³/s (0.17 m³/s) July 6, 1952.

REMARKS.--Records fair. Prior to June 25, 1971 discharge in tailrace determined from rating for turbine gate developed from discharge measurements. From June 25, 1971 leakage through inoperative turbine gate determined from periodic discharge measurements. Records represent total discharge from Lake George and include flow in river channel and in tailrace. Flow regulated by Lake George (see station 04278000). Water-quality records for the current year are published in Section 2 of this report for station 04279015 La Chute at Ticonderoga.

REVISIONS (WATER YEARS).--WRD N.Y. 1971: 1970.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	226	104	693	406	390	546	590	621	135	78	64	62
2	225	104	645	404	370	544	469	386	320	78	64	62
3	225	104	685	240	200	544	620	382	540	76	64	58
4	224	104	664	101	100	281	931	372	540	76	64	58
5	224	106	663	101	100	60	919	369	540	75	64	58
6	222	105	650	101	103	60	922	364	700	73	60	58
7	223	104	642	101	104	61	912	355	780	73	62	58
8	230	104	665	101	104	60	899	377	740	73	68	58
9	236	103	719	102	104	60	885	574	760	75	72	58
10	247	104	721	102	104	60	873	964	760	74	72	58
11	241	104	718	319	104	60	866	959	760	76	76	58
12	241	105	704	587	103	60	860	512	760	71	76	58
13	241	291	697	576	104	63	852	108	760	72	80	58
14	241	467	671	520	104	224	743	108	740	75	80	58
15	241	470	673	420	104	430	531	114	740	74	72	58
16	241	469	674	400	104	433	530	117	250	72	76	58
17	241	464	698	200	104	428	532	114	110	73	72	57
18	167	462	703	60	182	436	539	121	110	72	68	60
19	104	456	694	60	263	444	552	121	380	76	62	63
20	104	458	667	60	263	675	565	122	150	74	62	63
21	104	585	657	60	263	862	533	120	90	75	64	71
22	104	697	643	60	263	881	527	120	92	72	60	237
23	104	717	656	60	267	891	526	119	92	71	58	667
24	104	730	632	60	391	891	544	108	90	74	58	845
25	105	706	596	60	602	911	682	117	80	83	58	844
26	104	730	610	60	609	911	793	122	83	71	60	895
27	103	754	615	170	602	891	785	117	84	72	58	989
28	104	732	588	380	582	881	788	109	83	71	58	1000
29	104	717	590	380	---	891	800	111	78	67	58	985
30	104	709	483	380	---	881	785	114	78	68	58	987
31	104	---	412	380	---	804	---	132	---	66	60	---
TOTAL	5488	11865	20128	7011	6693	15224	21353	8449	11425	2276	2028	8698
MEAN	177	396	649	226	239	491	712	273	381	73.4	65.4	290
MAX	247	754	721	587	609	911	931	964	780	83	80	1000
MIN	103	103	412	60	100	60	469	108	78	66	58	57
CAL YR 1974	TOTAL	164936.9	MEAN	452	MAX	1140	MIN	6.8				
WTR YR 1975	TOTAL	120638.0	MEAN	331	MAX	1000	MIN	57				

ST. LAWRENCE RIVER BASIN

04280000 POULTNEY RIVER BELOW FAIR HAVEN, VT.

LOCATION.--Lat 43°37'40", long 73°18'50", Rutland County, on right bank 0.3 mi (0.5 km) downstream from Carver Falls, 1.9 mi (3.1 km) upstream from Hubbardton River, and 3.2 mi (5.1 km) northwest of Fair Haven.

DRAINAGE AREA.--187 mi² (484 km²).

PERIOD OF RECORD.--Discharge: October 1928 to current year.
Chemical analyses: Water year 1954 (partial-record station).

GAGE.--Water-stage recorder. Altitude of gage is 105 ft (32 m) from topographic map.

REVISIONS (WATER YEARS).--WSP 1114: 1929(M), 1932-35.

REMARKS.--Records good except those for periods of backwater from grass, which are poor. Flow regulated by power-plant above station and by Lake Bomoseen.

AVERAGE DISCHARGE.--47 years, 238 ft³/s (6.740 m³/s), 17.28 in/yr (439 mm/yr).

EXTREMES.--Period of record: Maximum discharge, 14,800 ft³/s (419 m³/s) July 20, 1945 (gage height, 24.36 ft or 7.425 m, from high-water mark in gage well), from rating curve extended above 2,400 ft³/s (68.0 m³/s) on basis of computations of flow over dam at gage heights 16.10, 21.40, and 24.36 ft (4.907, 6.523, and 7.425 m); minimum daily, 2.1 ft³/s (0.059 m³/s) Aug. 8, 1965.

Current year: Peak discharges above base of 2,600 ft³/s (73.6 m³/s) and maximums (*):

Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)
Mar. 21	1215	*2,030	57.5	*9.99	3.045						

Minimum daily discharge, 4.2 ft³/s (0.12 m³/s) July 24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	421	167	433	130	326	484	404	266	146	37	7.4	35
3	412	157	437	138	297	408	364	254	224	27	11	30
4	426	186	426	108	255	370	386	250	139	24	13	32
5	369	145	347	128	253	306	783	229	167	17	37	30
6	304	224	276	129	230	281	693	305	211	19	10	25
7												
8	213	387	285	121	204	285	612	277	223	21	15	23
9	162	322	247	136	191	269	613	249	277	34	41	23
10	163	275	313	132	242	305	578	221	362	8.6	220	21
11	150	326	598	144	188	255	507	210	314	9.1	287	23
12	150	332	545	196	180	245	394	182	210	37	186	23
13												
14	116	318	402	273	170	240	451	176	158	10	48	20
15	114	304	400	746	165	241	513	147	147	6.6	57	23
16	120	342	437	723	160	235	557	147	366	24	103	44
17	110	483	415	603	155	235	571	138	598	19	51	40
18	114	529	371	490	155	210	635	121	437	31	37	32
19												
20	174	597	337	417	180	178	703	135	339	36	33	28
21	298	537	338	366	170	231	812	167	312	25	30	28
22	189	502	342	343	170	261	916	140	254	10	26	32
23	180	479	315	327	183	332	953	121	114	51	27	43
24	143	459	299	323	120	896	1040	104	90	21	27	130
25												
26	121	885	273	329	118	1730	777	94	139	12	9.1	342
27	123	1420	238	330	118	1070	625	85	97	41	31	250
28	114	891	199	335	111	1050	532	62	80	71	25	215
29	115	748	149	320	272	983	527	76	56	4.2	10	197
30	104	804	153	272	1070	919	716	73	53	97	13	171
31												
TOTAL												
MEAN	5547	14977	9399	10448	8135	16231	17797	4609	5703	861.5	1536.5	4752
MAX	179	499	303	337	291	524	593	149	190	27.8	49.6	158
MIN	426	1420	598	746	1170	1730	1040	305	598	97	287	878
CFSM	98	145	126	108	111	178	304	46	31	4.2	7.4	20
IN.	.96	2.67	1.62	1.80	1.56	2.80	3.17	.80	1.02	.15	.27	.84
	1.10	2.98	1.87	2.08	1.62	3.23	3.54	.92	1.13	.17	.31	.95
CAL YR 1974	TOTAL	131747.0	MEAN	361	MAX	1760	MIN	18	CFSM	1.93	IN	26.21
WTR YR 1975	TOTAL	99996.0	MEAN	274	MAX	1730	MIN	4.2	CFSM	1.47	IN	19.89

NOTE.--Backwater from grass May 20-31, June 19 to Sept. 20.

04295000 RICHELIEU RIVER (LAKE CHAMPLAIN) AT ROUSES POINT, N.Y.

LOCATION.--Lat 44°59'46", long 73°21'37", Clinton County, on left bank at outlet of Lake Champlain in Rouses Point, and 1.0 mi (1.6 km) south of Fort Montgomery ruins.

DRAINAGE AREA.--8,277 mi² (21,437 km²).

PERIOD OF RECORD.--October 1863 to December 1870 (maximum and minimum monthly gage heights at St. Johns, Quebec, published in WSP 97) and March 1871 to current year (daily gage heights prior to October 1970, elevations thereafter; those for 1871-1907 published in WSP 894). Gage heights prior to Oct. 1, 1925, published as Richelieu River at Fort Montgomery, Rouses Point. Discharge records for January 1875 to September 1916 at Chambly, Quebec published in WSP 65, 82, 97, 129, 170, 206, 424, and 1307 have been found to be unreliable and should not be used. Daily discharge record for Richelieu River at Fryers Rapids, Quebec, published in Water Survey of Canada annual reports.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level. March 1871 to May 1923, nonrecording gage located in Fort Montgomery and May 1923 to October 1938, nonrecording gage at present site. Prior to October 1970 at datum 93.00 ft (28.346 m) higher.

EXTREMES.--Current year: Maximum elevation, 99.08 ft (30.200 m) May 1; minimum, 94.27 ft (28.733 m) Nov. 21. Period of record: Maximum elevation observed, 101.80 ft (31.029 m) Mar. 30, 1903; minimum observed, 92.17 ft (28.093 m) Oct. 23, 1941. Maximum elevation known since at least 1827, 102.1 ft (31.12 m) May 4, 1869, from marks at railroad bridge near present gage, according to data published on p. 428 of the Report of the Board of Engineers on Deep Waterways, 1900: U.S. 56th Cong., 2d sess. H. Doc. 149.

REMARKS.--Area of lake surface about 490 mi² (1,269 km²). Total volume below 92.5 ft (28.19 m) elevation, reported by Lake Champlain Studies Center, 902.2 bil ft³ (25,600 hm³). Water-quality records for the current year are published in Section 2 of this report.

ELEVATION, IN FEET ABOVE MEAN SEA LEVEL, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	95.18											
2		94.61	95.73	95.79	95.66	95.69	97.25	98.97	97.14	95.88	95.06	94.80
3	95.15	94.58	95.59	95.69	95.66	95.71	97.22	98.96	97.06	95.86	95.04	94.80
4	95.17	94.67	95.65	95.97	95.61	95.70	97.18	98.98	97.02	95.77	95.03	94.62
5	95.20	94.64	95.64	95.73	95.61	95.70	97.22	98.99	96.96	95.74	95.11	94.65
6	95.31	94.63	95.76	95.65	95.59	95.71	97.28	98.97	96.99	95.67	94.99	94.65
7	95.25	94.66	95.71	95.66	95.58	95.71	97.32	98.92	97.06	95.64	94.85	94.66
8	95.18	94.68	95.82	95.61	95.56	95.67	97.32	98.93	96.82	95.69	95.83	94.63
9	95.12	94.66	95.74	95.58	95.55	95.64	97.29	98.93	96.77	95.66	94.87	94.73
10	95.11	94.66	95.85	95.58	95.48	95.67	97.25	98.89	96.81	95.63	94.99	94.58
11	95.10	94.68	96.06	95.63	95.47	95.67	97.21	98.85	96.83	95.56	94.94	94.56
12	95.08	94.70	96.18	95.77	95.43	95.61	97.18	98.81	96.80	95.54	94.93	94.84
13	95.11	94.73	96.25	95.75	95.40	95.68	97.16	98.75	96.90	95.48	94.92	94.70
14	94.95	94.75	96.20	95.79	95.37	95.56	97.15	98.67	96.81	95.53	94.96	94.62
15	95.43	94.90	96.12	95.84	95.36	95.56	97.16	98.59	96.73	95.58	94.90	94.64
16	94.93	94.84	96.18	95.89	95.33	95.60	97.19	98.54	96.81	95.43	94.87	94.81
17	94.92	94.84	96.31	95.88	95.31	95.62	97.25	98.45	96.82	95.44	94.89	94.79
18	95.03	94.94	96.22	95.86	95.28	95.57	97.34	98.40	96.64	95.40	94.94	94.70
19	94.87	94.90	96.23	96.03	95.31	95.60	97.51	98.40	96.64	95.37	94.82	94.74
20	94.86	94.90	96.21	95.82	95.27	95.61	97.84	98.25	96.51	95.42	94.71	94.84
21	94.74	94.93	96.17	95.77	95.25	95.74	98.01	98.18	96.43	95.34	94.65	94.83
22	94.81	94.65	96.15	95.95	95.23	96.18	98.27	98.06	96.44	95.28	94.75	94.79
23	94.93	95.18	96.13	95.69	95.22	96.58	98.55	97.98	96.41	95.25	94.64	94.83
24	94.74	95.55	96.23	95.72	95.18	96.74	98.62	97.89	96.37	95.27	94.62	94.83
25	94.80	95.64	96.04	95.66	95.20	96.88	98.74	97.73	96.26	95.39	94.74	94.77
26	94.88	95.35	95.94	95.64	95.34	97.00	98.77	97.75	96.17	95.34	94.68	94.87
27	94.71	95.46	96.07	95.70	95.53	97.08	98.85	97.69	96.15	95.15	94.68	95.00
28	94.58	95.68	96.10	95.68	95.61	97.15	98.87	97.50	96.13	95.28	94.65	95.10
29	94.75	95.72	95.92	95.68	95.66	97.25	98.97	97.37	96.07	95.19	94.63	95.24
30	94.74	95.72	95.95	95.67	---	97.33	98.98	97.31	95.95	95.09	94.68	95.37
31	94.64	95.75	95.85	95.66	---	97.28	98.93	97.39	95.91	95.13	94.65	95.49
	94.68	---	95.91	95.68	---	97.23	---	97.25	---	95.10	94.67	---
MEAN	94.97	94.99	96.00	95.74	95.43	96.12	97.80	98.33	96.61	95.45	94.86	94.82
MAX	95.43	95.75	96.31	96.03	95.66	97.33	98.98	98.99	97.14	95.88	95.83	95.49
MIN	94.58	94.58	95.59	95.58	95.18	95.56	97.15	97.25	95.91	95.09	94.62	94.56
CAL YR 1974	MEAN 96.90		MAX 99.91		MIN 94.58							
WTR YR 1975	MEAN 95.93		MAX 98.99		MIN 94.56							

STREAMS TRIBUTARY TO ST. LAWRENCE RIVER

Lakes in Streams tributary to St. Lawrence River

04260990 CRANBERRY LAKE AT CRANBERRY LAKE, N.Y.--Lat 44°13'14", long 74°50'55", St. Lawrence County, on right wall at outlet structure, at village of Cranberry Lake. Drainage area 144 mi² (373 km²). Period of record: April 1923 to current year. Nonrecording gage read daily at 1200. Datum of gage is 1,469.75 ft (447.980 m) above mean sea level. Extremes for current year: Maximum contents observed, 2,419 mil ft³ (68.3 hm³) June 12-19 (gage height, 16.6 ft or 5.06 m); minimum contents observed, 1,032 mil ft³ (29.2 hm³), Apr. 15-17 (gage height, 11.1 ft or 3.38 m). Extremes for period of record: Maximum contents observed, 2,985 mil ft³ (84.5 hm³) May 13-15, 1971 (gage height, 18.5 ft or 5.64 m); minimum contents observed, 70 mil ft³ (1.98 hm³) Apr. 1-4, 1956 (gage height, 6.0 ft or 1.83 m).
 Dam completed in 1867 and controlled storage for which records are available began in 1923. Usable capacity above elevation 1475.25 ft (449.656 m) is 2,530 mil ft³ (71.6 hm³). Crest at spillway is at elevation, 1,486.43 ft (453.064 m). Length of spillway is 110 ft (34 m). Area of water surface at crest elevation is 10.9 mi² (28.2 km²). Records furnished by Oswegatchie River-Cranberry Reservoir Commission.

04266700 CARRY FALLS RESERVOIR NEAR SOUTH COLTON, N.Y.--Lat 44°26'07", long 74°44'50", St. Lawrence County, near center of upstream wall of dam between Carry Falls and Stark Falls Reservoirs, 2.0 mi (3.2 km) southeast of Stark, and 8.8 mi (14.2 km) southeast of South Colton. Drainage area 873 mi² (2,261 km²). Period of record October 1954 to current year. Nonrecording gage. Datum of gage is at mean sea level. Extremes for current year: Maximum contents observed, 5,063.0 mil ft³ (143 hm³) June 12 (elevation, 1,385.5 ft or 422.30 m); minimum observed, 499.4 mil ft³ (14.1 hm³) Apr. 19 (elevation, 1,342.1 ft or 409.07 m). Extremes for period of record: Maximum contents observed, 5,146 mil ft³ (146 hm³) June 1, 5, 6, 1955 (elevation, 1,386.1 ft or 422.48 m); minimum observed, 8.64 mil ft³ (0.245 hm³) Mar. 27-30, 1963, Apr., 4-11 1964 (elevation, 1,331.0 ft or 405.69 m).
 Dam completed January 1953 and controlled storage for which records are available began in October 1954. Usable capacity above elevation 1,332.0 ft (405.99 m) is 5,114.9 mil ft³ (145 hm³). Crest at spillway is at elevation 1,386.0 ft (422.45 m). Length of spillway is 830 ft (253 m). Area of water surface at crest elevation is 5.16 mi² (13.4 km²) (3,300 acres or 1,300 hm²). The pond has a length of 6 mi (10 km) and a perimeter of 25 mi (40 km). Below crest elevation, capacity controlled by a Taintor gate (27 ft or 8 m x 15 ft or 5 m) and 2 sluice gates (10 ft or 3 m x 10 ft or 3 m). Records furnished by Niagara Mohawk Power Corp.

04273900--LAKE PLACID AT LAKE PLACID, N.Y.--See station for mean daily gage heights.

04278000--LAKE GEORGE AT ROGERS ROCK, N.Y.--See station for mean daily gage heights.

04294500--LAKE CHAMPLAIN AT BURLINGTON, VT.--See station for mean daily gage heights.

04295000--RICHELIEU RIVER (LAKE CHAMPLAIN) AT ROUSES POINT, N.Y.--See station for mean daily elevations.

MONTHEND GAGE HEIGHTS OR ELEVATIONS, AND CONTENTS, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

Date	Gage heights (feet)	Contents (million cubic feet)	Change in contents (equivalent in cfs)	Elevation (feet)	Contents (million cubic feet)	Change in contents (equivalent in cfs)
		04260990 Cranberry Lake		04266700 Carry Falls Reservoir		
Sept. 30....	12.9	1,436		1,365.4	2,547.1	
Oct. 31.....	11.8	1,186	- 93.4	1,347.9	916.7	- 609
Nov. 30.....	13.9	1,684	+192	1,367.7	2,791.6	+ 723
Dec. 31.....	13.9	1,684	0	1,380.2	4,330.4	+ 574
CAL YR 1974			- 14.1			- 19.3
Jan. 31.....	13.4	1,556	- 47.8	1,375.2	3,680.6	- 243
Feb. 28.....	12.4	1,318	- 98.4	1,368.1	2,836.5	- 349
Mar. 31.....	12.3	1,296	- 8.22	1,351.1	1,175.0	- 620
Apr. 30.....	15.2	2,022	+280	1,361.4	2,132.4	+ 369
May 31.....	16.3	2,324	+113	1,384.0	4,855.7	+1017
June 30.....	16.1	2,268	- 21.6	1,379.5	4,237.9	- 238
July 31.....	15.5	2,100	- 62.7	1,367.9	2,814.0	- 532
Aug. 31.....	14.6	1,866	- 87.4	1,362.4	2,236.0	- 216
Sept. 30....	15.9	2,212	+134	1,371.0	3,162.2	+ 357
WTR YR 1975			+ 24.7			+ 19.6

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than stream gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or floodflow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial record program. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Records collected at partial-record stations are presented in two tables. The first is a table of discharge measurements at low-flow, partial-record stations, and the second is a table of annual maximum stage and discharge at crest-stage stations. Discharge measurements at miscellaneous sites for both low flow and high flow are given in a third table.

Low-flow partial-record stations

Measurements of streamflow in the area covered by this report made at low-flow partial-record stations are given in the following table. Most of these measurements were made during periods of base flow when streamflow is primarily from groundwater storage. These measurements, when correlated with the simultaneous discharge of a nearby stream where continuous records are available, give a picture of the low-flow potentiality of the stream. The column headed "Period of record" shows the water years in which measurements were made at the same, or practically the same, site. Where "Drainage area" column is blank, drainage area was not available at time of publication.

Discharge measurements made at low-flow partial-record stations during water year 1975

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Date	Measurements	
						Discharge (cfs)	
Streams on Long Island							
01302200	Whitney Lake Outlet at Manhasset, N.Y.	Lat 40°47'30", long 73°42'32", Nassau County, at bridge on Creek Road, at Manhasset, 0.25 mile (0.40 km) northwest of State Highway 25A.	-	1953-75	2- 3-75 9-15-75	.54 .94	
01302300	Roslyn Brook at Roslyn, N.Y.	Lat 40°47'55", long 73°38'51", Nassau County, at Roslyn, 200 ft (61 m) downstream from dam in Roslyn Park.	-	1953-75	11-13-74 5-15-75 7-23-75	.17 .54 .11	
01302800	Island Swamp Brook at Lattintown, N.Y.	Lat 40°53'25", long 73°37'10", Nassau County, at bridge on Lattintown Road, 0.3 mile (0.5 km) southwest of Lattintown, and 1.5 miles (2.4 km) northwest of Locust Valley.	-	1953-75	2- 3-75 5-15-75 7-23-75	.68 .75 .83	
01303600	Mill Creek near Huntington, N.Y.	Lat 40°52'56", long 73°25'17", Suffolk County, at culvert on Creek Road, 300 ft (91 m) west of New York Ave., 1 mile (2 km) northeast of Huntington.	-	1953-75	1- 6-75 4- 7-75	2.9 4.2	
01303700	Stony Hollow Run at Centerport, N.Y.	Lat 40°53'05", long 73°21'41", Suffolk County, at culvert on State Highway 25A, 0.25 mile (0.40 km) east of Centerport, and 1.5 miles (2.4 km) southwest of Northport.	-	1953-75	1- 6-75 4- 7-75 8- 6-75	1.6 1.2 1.0	
01303790	Northeast Branch Nissequogue River near East Hauppauge, N.Y.	Lat 40°50'27", long 73°10'41", Suffolk County, at culvert on State Highway 347, 1.5 miles (2.4 km) northwest of East Hauppauge, and 4.0 miles (6.4 km) upstream from gaging station near Smithtown.	-	1972-75	11-11-74 1-24-75 5- 9-75 8-19-75	.13 1.0 1.0 .19	
01303800	Northeast Branch Nissequogue River at Smithtown, N.Y.	Lat 40°51'05", long 73°11'15", Suffolk County, 300 ft (91 m) upstream from culvert on State Highway 111, 0.75 mile (1.21 km) southeast of Smithtown, and 3.0 miles (4.8 km) upstream from gaging station near Smithtown.	-	1948-49 1951-75	11-11-74 1-24-75 5- 9-75 8-19-75	1.3 3.1 3.3 2.3	
01303850	Northeast Branch Nissequogue River near Hauppauge, N.Y.	Lat 40°50'43", long 73°11'50", Suffolk County, at culvert on Maple Avenue, 0.75 mile (1.21 km) south of Smithtown, and 2.5 miles (4.0 km) upstream from gaging station near Smithtown.	-	1972-75	11-11-74 1-24-75 5- 9-75 8-19-75	1.3 4.2 3.6 2.0	
01303900	Northeast Branch Nissequogue River near Smithtown, N.Y.	Lat 40°50'45", long 73°12'29", Suffolk County, 10 ft upstream from culvert at Brookside Drive, 0.75 mile (1.21 km) southwest of Smithtown, and 2.0 miles (3.2 km) upstream from gaging station near Smithtown.	-	1953-75	11-11-74 1-24-75 5- 9-75 8-19-75	2.4 6.7 6.6 5.4	
01303941	Nissequogue River near Hauppauge, N.Y.	Lat 40°50'30", long 73°13'43", Suffolk County, 30 ft (9 m) downstream from dam at New Mill Road, 2 miles (3 km) northwest of Hauppauge, and 0.5 mile (0.8 km) upstream from gaging station near Smithtown.	-	1972-75	11-11-74 1-24-75 5- 9-75 8-19-75	21 30 33 22	

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements made at low-flow partial-record stations during water year 1975--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Date	Measurements ^a
						Discharge (cfs)
Streams on Long Island						
01304010	Nissequogue River at Smithtown, N.Y.	Lat 40°51'48", long 73°12'05", Suffolk County, at culvert on Landing Ave., at Smithtown, and 1.5 miles (2.4 km) downstream from gaging station near Smithtown.	-	1974-75	1-24-75	53
					8-19-75	53
01304100	Wading River at Wading River, N.Y.	Lat 40°57'20", long 72°51'19", Suffolk County, at pond outlet, 0.25 mile (0.40 km) west of Wading River.	-	1953-62 1964-75	11- 4-74	1.1
					1-28-75	1.0
					4-22-75	.95
					8- 6-75	.21
					9-10-75	.91
01304400	Peconic River at Manorville, N.Y.	Lat 40°52'38", long 72°49'42", Suffolk County, at bridge on Schultz Road, 1 mile (2 km) northwest of Manorville, and 8.5 miles (13.7 km) upstream from gaging station at Riverhead.	-	1953-62 1951-75	11-18-74	.76
					1-15-75	8.2
					5-14-75	11
					8- 6-75	3.0
					8-12-75	2.9
					8-18-75	2.5
01304410	Peconic River near Manorville, N.Y.	Lat 40°53'02", long 72°48'26", Suffolk County, at culvert on Manor Road, and 0.8 mile (1.3 km) north of Manorville; and 7.2 miles (11.6 km) upstream from gaging station at Riverhead.	-	1973-75	11-18-74	1.6
					1-15-75	16
					5-14-75	15
					8-18-75	4.2
01304440	Peconic River near Calverton, N.Y.	Lat 40°54'02", long 72°46'27", Suffolk County, at culvert on Connecticut Avenue; and 1.7 miles (2.7 km) southwest of Calverton, and 4.8 miles (7.7 km) upstream from gaging station at Riverhead.	-	1973-75	11-18-74	5.2
					1-15-75	24
					5-14-75	36
					8-18-75	7.3
01304450	Peconic River at Calverton, N.Y.	Lat 40°54'20", long 72°44'35", Suffolk County, at culvert on Edwards Avenue, 0.2 mile (0.3 km) south of Calverton, and 3.0 miles (4.8 km) upstream from gaging station at Riverhead.	-	1971-75	11-18-74	7.3
					1-15-75	33
					8-18-75	15
01304530	Little River near Riverhead, N.Y.	Lat 40°53'52", long 72°40'30", Suffolk County, at Wildwood Lake outlet, 500 ft (152 m) east of Moriches-Riverhead Road, 1.5 miles (2.4 km) southwest of Riverhead.	-	1952-75	11- 4-74	5.5
					1-28-75	4.6
					8-18-75	3.7
01304560	White Brook at Riverhead, N.Y.	Lat 40°54'40", long 72°38'37", Suffolk County, at culvert on State Highway 24; 1 mile (2 km) southeast of Riverhead.	-	1953-69 1973-75	11- 5-74	1.8
					1-28-75	2.3
01304600	Big Fresh Pond Outlet at North Sea, N.Y.	Lat 40°55'49", long 72°25'04", Suffolk County, at culvert on Noyack Road, at North Sea, 3.5 miles (5.6 km) northwest of Southampton.	-	1951-69 1971-75	11-22-75	1.7
					2-19-75	1.7
01304630	Mill Creek at Noyack, N.Y.	Lat 40°59'35", long 72°21'00", Suffolk County, 50 ft (15 m) upstream from culvert on Noyack Road, 0.25 mile (0.40 km) west of Noyack.	-	1958-75	10-23-74	.49
					11-22-74	.40
					2-20-75	.71
					3- 7-75	.72
01304660	Ligonee Brook at Sag Harbor, N.Y.	Lat 40°59'21", long 72°18'12", Suffolk County, at culvert on Brick Kiln Road, 0.75 mile (1.21 km) southwest of Sag Harbor.	-	1953-69 1973-75	10-23-74	0
					11-20-74	0
					2-20-75	.07
					3- 7-75	.61
01304730	Poxabogue Pond Outlet at Sagaponack, N.Y.	Lat 40°55'48", long 72°17'16", Suffolk County, at culvert on Sagg St., at Sagaponack, and 1 mile (2 km) southeast of Bridgehampton.	-	1953-75	10-25-74 3- 7-75	1.5 3.2
01304745	Weesuck Creek at East Quogue, N.Y.	Lat 40°50'52", long 72°34'42", Suffolk County, at culvert on State Highway 27A, 0.5 mile (0.8 km) northeast of East Quogue.	-	1974-75	1- 6-75 4-23-75	1.4 1.5
01304760	Quantuck Creek at Quogue, N.Y.	Lat 40°49'57", long 72°37'06", Suffolk County, at culvert in Old Meeting House Road, 1 mile (2 km) northwest of Quogue.	-	1953-69 1974-75	1-22-75	1.1
					4-17-75	1.4
					9-15-75	2.2
01304780	Aspatuck Creek near Westhampton Beach, N.Y.	Lat 40°49'04", long 72°38'13", Suffolk County, at culvert on Brook Road, at Westhampton Beach.	-	1959-75	1- 8-75 4-17-75	1.6 1.8

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

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Discharge measurements made at low-flow partial-record stations during water year 1975--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Date	Measurements
						Discharge (cfs)
Streams on Long Island						
01304800	Beaverdam Creek at Westhampton, N.Y.	Lat 40°49'23", long 72°39'42", Suffolk County, at culvert on Old Country Road, 100 ft (30 m) northwest of State Highway 27, and 1 mile (2 km) northwest of Westhampton.	-	1953-75	1- 8-75	1.3
					4-23-75	3.7
01304820	Speonk River at Speonk, N.Y.	Lat 40°49'06", long 72°41'29", Suffolk County, at culvert on State Highway 27A, 0.75 mile (1.21 km) east of Speonk.	-	1974-75	1- 6-75 4-17-75	.63 .75
01304830	East River at Eastport, N.Y.	Lat 40°49'24", long 72°43'02", Suffolk County, 15 ft (5 m) upstream from culvert on Long Island Railroad, 200 ft (60 m) south of State Highway 27, 0.5 mile (0.8 km) east of Eastport.	-	1953-69 1973-75	1-22-75	.36
					4-17-75	.96
					8- 4-75	.54
01304860	Seatuck Creek at Eastport, N.Y.	Lat 40°49'30", long 72°43'43", Suffolk County, 15 ft (5 m) downstream from culvert, on State Highway 27, at Eastport.	-	1953-75	1- 6-75	4.6
					3- 5-75	7.4
					8- 4-75	4.9
01304900	Little Seatuck Creek at Eastport, N.Y.	Lat 40°49'12", long 72°44'23", Suffolk County, at culvert on Moriches Blvd., 0.75 mile (1.21 km) southwest of Eastport.	-	1955-69 1974-75	1- 8-75	4.0
					3- 5-75	4.8
					8- 4-75	2.8
01304960	Forge River at Moriches, N.Y.	Lat 40°48'22", long 72°50'00", Suffolk County, at culvert on State Highway 27, at Moriches.	-	1948-50 1952-75	11-19-74	7.1
					1-22-75	7.6
					8- 4-75	12
01304990	Carmans River at Middle Island, N.Y.	Lat 40°51'47", long 72°56'35", Suffolk County, at culvert on East Bartlett Road, 0.75 mile (1.21 km) south of Middle Island, and 3.0 miles (4.8 km) upstream from gaging station at Yaphank.	-	1947-75	11-14-74	.76
					1-23-75	1.2
					5- 8-75	3.0
					6-19-75	3.4
					8- 6-75	2.2
					9- 3-75	1.8
01304995	Carmans River near Yaphank, N.Y.	Lat 40°50'29", long 72°56'13", Suffolk County, 25 ft downstream from Mill Road; 1.2 miles (1.9 km) northwest of Yaphank; and 1.9 miles (3.1 km) upstream from gaging station at Yaphank.	-	1973-75	11-14-74	7.8
					1-23-75	9.7
					5- 8-75	13
					6-19-75	9.1
					9- 3-75	11
01304998	Carmans River, below Lower Lake, at Yaphank, N.Y.	Lat 40°50'07", long 72°55'01", Suffolk County, at culvert on Yaphank Avenue, at Yaphank; and 0.7 mile (1.1 km) upstream from gaging station at Yaphank.	-	1973-75	11-14-74	17
					1-23-75	20
					5- 8-75	20
					6-19-75	19
					9- 3-75	16
01305040	Carmans River at South Haven, N.Y.	Lat 40°48'09", long 72°53'09", Suffolk County, 50 ft (15 m) upstream from culvert on State Highway 27, at South Haven, and 2.6 miles (4.2 km) downstream from gaging station at Yaphank.	-	1973-75	1-23-75	54
					5- 8-75	72
					6-19-75	58
					9- 3-75	51
01305300	Mud Creek at East Patchogue, N.Y.	Lat 40°45'47", long 72°58'59", Suffolk County, at culvert on south Country Road, at East Patchogue, 2 miles (3 km) east of Patchogue.	-	1947-69 1971-75	11- 7-74	2.9
					3- 6-75	4.7
					6-19-75	5.6
					8- 4-75	2.8
01305800	Patchogue River near Patchogue, N.Y.	Lat 40°46'55", long 73°01'19", Suffolk County, at bridge on discontinued road, 300 ft (91 m) west of North Ocean Ave., and 1 mile (2 km) north of State Highway 27A and gaging station at Patchogue.	-	1945-50 1952-75	11- 7-74	8.4
					3- 6-75	18
					6-18-75	21
					8- 4-75	4.8
01306400	Green Creek at West Sayville, N.Y.	Lat 40°43'51", long 73°05'32", Suffolk County, 30 ft (9 m) upstream from State Highway 27A, at West Sayville.	-	1953-75	11- 7-74	2.7
					3- 5-75	9.0
01306405	Lake Ronkonkoma Inlet at Lake Ronkonkoma, N.Y.	Lat 40°49'57", long 73°07'34", Suffolk County, 300 ft (91 m) southeast of Smithtown Blvd., 0.2 mile (0.3 km) west of Lake Ronkonkoma.	-	1948-49 1953-54 1956-75	11-19-74	.50
					1-28-75	.79
					6-19-75	1.1
					8- 6-75	1.9
					9-10-75	.15
01306440	Connetquot Brook at Central Islip, N.Y.	Lat 40°47'33", long 73°09'58", Suffolk County, at culvert on Veterans Memorial Highway, 2 miles (3 km) northeast of Central Islip, and 3.8 miles (6.1 km) upstream from gaging station 01306499.	-	1968 1971-75	11-15-74	3.2
					1-16-75	5.1
					5-22-75	6.6
					7-30-75	5.5

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements made at low-flow partial-record stations during water year 1975--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Date	Measurements
						Discharge (cfs)
Streams on Long Island						
01306460	Connetquot Brook near Central Islip, N.Y.	Lat 40°46'18", long 73°09'31", Suffolk County, 20 ft (6 m) downstream from bridge on private road and 1.8 miles (2.9 km) upstream from gaging station 01306499.	-	1968 1973-75	11-15-74	18
					1-16-75	26
					5-22-75	20
					7-30-75	24
01306700	Rattlesnake Brook near Oakdale, N.Y.	Lat 40°44'52", long 73°08'45", Suffolk County, 50 ft (15 m) downstream from State Highway 27, 1.5 miles (2.4 km) northwest of Oakdale.	-	1944-69 1971-75	11- 7-74	20
					1-23-75	31
					8- 4-75	22
01306900	Champlin Creek at Beech Street, near Islip, N.Y.	Lat 40°45'03", long 73°12'05", Suffolk County, 75 feet downstream from Beech Street, 1.3 miles north of Islip, and 1 mile upstream from gaging station at Islip.	-	1963 1967 1973 1975	1-23-75	1.4
					3- 6-75	1.8
					7-24-75	1.1
01306950	Champlin Creek at Islip Boulevard, near Islip N.Y.	Lat 40°44'36", long 73°12'06", Suffolk County; at Islip Boulevard, 1 mile north of Islip; and 0.5 mile upstream from gaging station at Islip.	-	1963-67 1973 1975	1-23-75	3.8
					3- 6-75	4.7
					7-24-75	3.1
01307000	Champlin Creek at Islip, N.Y.	Lat 40°44'13", long 73°12'08", Suffolk County, at Long Island Railroad bridge, 220 ft (67 m) downstream from Moffitt Boulevard, at Islip.	-	1948-69 [†] 1970-75	10- 8-74	3.8
					11- 7-74	3.4
					12- 4-74	5.4
					1-23-75	6.9
					3- 6-75	7.4
					4- 8-75	8.2
					7-24-75	6.0
01307100	Champlin Creek at Montauk Highway, at Islip, N.Y.	Lat 40°43'50", long 73°12'12", Suffolk County, at culvert on Montauk Highway, at Islip; and 0.45 mile downstream from gaging station at Islip.	-	1963 1967 1973 1975	5-17-73	12
					3- 6-75	3.1
					7-24-75	7.1
01307300	Pardees Ponds Outlet at Islip, N.Y.	Lat 40°43'40", long 73°13'16", Suffolk County, at culvert on State Highway 27A, at Islip.	-	1948-72 1974-75	11-27-74	2.8
					1-22-75	8.8
					5- 8-75	7.0
					7-31-75	3.6
01307400	Awixa Creek at Islip, N.Y.	Lat 40°43'39", long 73°13'51", Suffolk County, at culvert on State Highway 27A, 0.75 mile (1.21 km) west of Islip.	-	1948-75	11-27-74	.47
					1-23-75	2.5
					6-19-75	2.5
					7-31-75	2.7
01307600	Cascade Lakes Outlet at Brightwaters, N.Y.	Lat 40°42'40", long 73°15'38", Suffolk County, at culvert on Montauk Highway, at Brightwaters.	-	1958-75	11-27-74	0
					1-22-75	1.3
					5- 8-75	4.5
					7-31-75	2.9
01307920	Sampawams Creek near Deer Park, N.Y.	Lat 40°44'27", long 73°18'24", Suffolk County, 30 ft (9 m) downstream from Bay Shore Road, and 2.5 miles (4.0 km) upstream from gaging station at Babylon.	-	1965-66 1973-75	11- 4-74	.71
					1-23-75	2.0
					5- 8-75	3.5
01307950	Sampawams Creek near North Babylon, N.Y.	Lat 40°43'37", long 73°18'46", Suffolk County, 120 ft (37 m) downstream from Hunter Avenue, and 1.6 miles (2.6 km) upstream from gaging station at Babylon.	-	1967 1971-75	1-23-75	8.1
					5- 8-75	4.4
01308200	Sampawams Creek below Hawleys Lake, at Babylon, N.Y.	Lat 40°41'48", long 73°19'04", Suffolk County, at pond outlet, 200 ft (61 m) upstream from State Highway 27A, at Babylon, and 0.5 mile (0.8 km) downstream from gaging station at Babylon.	-	1953-67 1969-75	1-23-75	9.9
					7-31-75	11
01308600	Carlls River at Park Avenue, Babylon, N.Y.	Lat 40°42'06", long 73°19'43", Suffolk County, at culvert on Park Avenue, at Babylon, and 0.5 mile (0.8 km) downstream from gaging station at Babylon.	-	1968-75	11- 4-74	17
					1-22-75	27
					4- 8-75	34
					6-19-75	41
					7-31-75	24
01309000	Santapogue Creek at Lindenhurst, N.Y.	Lat 40°41'30", long 73°21'20", Suffolk County, at culvert on East Hoffman Avenue, 1 mile (2 km) east of Long Island Railroad station at Lindenhurst.	-	1947-69 [†] 1970-75	10- 4-74	.91
					11- 6-74	.54
					1-22-75	2.0
					6-19-75	6.3
					7-31-75	6.2
					9-11-75	1.1
01309100	Santapogue Creek at State Highway 27A, Lindenhurst, N.Y.	Lat 40°41'02", long 73°21'06", Suffolk County, at culvert on State Highway 27A, 0.5 mile (0.8 km) downstream from gaging station at Lindenhurst.	-	1953-69 1971-75	1-22-75	8.5
					7-31-75	10
					9-11-75	4.8

[†] Operated as a continuous-record gaging station.

Discharge measurements made at low-flow partial-record stations during water year 1975--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Date	Measurements
						Discharge (cfs)
Streams on Long Island						
01309200	Neguntatogue Creek at Lindenhurst, N.Y.	Lat 40°40'47", long 73°21'40", Suffolk County, 20 ft (6 m) upstream from State Highway 27A, in Lindenhurst.	-	1948-50 1952-75	1-22-75 5- 8-75 7-31-75	2.1 5.2 4.4
01309250	Strong's Creek at Lindenhurst, N.Y.	Lat 40°41'22", long 73°22'40", Suffolk County, 30 ft (9 m) upstream from State Highway 27A, at Lindenhurst.	-	1953-69 1971-75	1-22-75 5- 8-75 7-31-75	1.4 2.1 1.8
01309350	Amityville Creek at Amityville, N.Y.	Lat 40°40'13", long 73°24'51", Suffolk County, 100 ft (30 m) upstream from State Highway 27A, at Amityville.	-	1953-75	11- 7-74 1-22-75 5- 8-75 7-31-75	1.5 4.0 2.7 4.9
01309400	Carman Creek at Amityville, N.Y.	Lat 40°40'09", long 73°26'02", Nassau County, at bridge on State Highway 27A, 0.75 mile (1.21 km) west of Amityville.	-	1949 1953-69 1971-75	11- 7-74 9- 3-75	2.8 3.3
01309454	Massapequa Creek at South Farmingdale, N.Y.	Lat 40°42'55", long 73°27'00", Nassau County, 75 ft (23 m) upstream from Tomes Avenue, 0.2 mile (0.3 km) south of South Farmingdale, and 1.9 miles, (3.1 km) upstream from gaging station at Massapequa.	-	1962-65 1973-75	11- 6-74 5- 9-75 7-24-75 9-15-75	.01 .36 .46 .14
01309476	Massapequa Creek at Southern State Parkway at South Farmingdale, N.Y.	Lat 40°42'21", long 73°27'05", Nassau County, 30 ft (9 m) upstream from culvert at Southern State Parkway, 0.8 mile (1.3 km) south of South Farmingdale, N.Y. 1.2 miles (1.9 km) upstream from gaging station at Massapequa.	-	1962-65 1973-75	11- 6-74 5- 9-75 7-24-75 9-15-75	1.0 4.8 5.4 2.7
01309490	Massapequa Creek at North Massapequa, N.Y.	Lat 40°41'55", long 73°27'08", Nassau County, opposite Franklin Street, at North Massapequa; and 0.55 mile (0.88 km) upstream from gaging station at Massapequa.	-	1962 1964 1973-75	11- 6-74 5- 9-75 7-24-75 9-15-75	1.9 7.5 10 4.6
01309700	Seaford Creek at Seaford, N.Y.	Lat 40°40'00", long 73°28'57", Nassau County, at bridge on State Highway 27A, in Seaford.	-	1953-75	11- 7-74 1-23-75 5- 9-75 9- 3-75	.27 1.8 3.0 .82
01309800	Seamans Creek at Seaford, N.Y.	Lat 40°39'56", long 73°29'37", Nassau County, at culvert on State Highway 27A, 0.2 mile (0.3 km) west of Seaford.	-	1953-67 1971-75	1-23-75 5- 9-75 9- 3-75	9.3 6.3 3.2
01309970	Bellmore Creek Tributary near North Wantagh, N.Y.	Lat 40°41'52", long 73°30'33", Nassau County, at culvert on Duck Pond Drive N, 0.3 mile (0.5 km) north of North Wantagh, and 1.2 miles (1.9 km) upstream from gaging station 01309990.	-	1973-75	11- 4-74 1-28-75	0 .53
01309980	Bellmore Creek Tributary at North Wantagh, N.Y.	Lat 40°41'20", long 73°30'37", Nassau County, at culvert on Beltagh Avenue, at North Wantagh and 0.6 mile (1.0 km) upstream from gaging station 01309990.	-	1973-75	11- 4-74 1-28-75	0 1.4
01310100	Newbridge Creek at Merrick, N.Y.	Lat 40°39'42", long 73°32'02", Nassau County, downstream from bridge on Merrick Road in Merrick.	-	1963-75	11-27-74 1-23-75 5- 8-75 9- 2-75	0 4.3 .90 .28
01310200	Cedar Swamp Creek at Merrick, N.Y.	Lat 40°39'39", long 73°32'24", Nassau County, at bridge on State Highway 27A, in Merrick, 2.5 miles (4.0 km) east of Freeport.	-	1953-62 1965-75	11-27-74 1-23-75 5- 8-75 9- 2-75	1.6 6.7 8.3 11
01310470	East Meadow Brook near Westbury, N.Y.	Lat 40°44'01", long 73°35'06", Nassau County, 50 ft (15 m) downstream from culvert on Meadowbrook State Parkway, 1.0 mile (1.6 km) south of Westbury, and 4.8 miles (7.7 km) upstream from gage at Freeport.	-	1973-75	11- 6-74 1-28-75 5- 8-75 7- 7-75 8-11-75 9-29-75	.46 .13 .23 .18 .63 .34
01310475	East Meadow Brook at Uniondale, N.Y.	Lat 40°43'17", long 73°35'00", Nassau County, at bridge on Hempstead Turnpike, 0.9 mile (1.4 km) northeast of Uniondale, and 3.9 miles (6.3 km) upstream from gage at Freeport.	-	1973-75	11- 6-74 1-28-75 5- 8-75 7- 7-75 8-11-75 9-29-75	.14 .06 1.0 3.0 3.2 3.4

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements made at low-flow partial-record stations during water year 1975--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Date	Measurements
						Discharge (cfs)
Streams on Long Island						
01310488	East Meadow Brook at East Meadow, N.Y.	Lat 40°41'56", long 73°34'37", Nassau County, 300 ft (91 m) west of Luddington Road, 1.4 miles (2.3 km) southwest of East Meadow, and 2.3 miles (3.7 km) upstream from gage at Freeport.	-	1973-75	11- 6-74	0
					1-28-75	2.4
					5- 8-75	6.3
					7- 7-75	6.3
					8-11-75	6.0
					9-29-75	8.4
01310510	East Branch Freeport Creek at Freeport, N.Y.	Lat 40°39'32", long 73°34'01", Nassau County, 50 ft (15 m) downstream from culvert at Sunrise Highway, 0.5 mile (0.8 km) downstream from gaging station 01310500.	-	1975	8-11-75	5.7
					9-29-75	9.6
01310515	West Branch Freeport Creek at Freeport, N.Y.	Lat 40°39'28", long 73°34'22", Nassau County, 20 ft (6 m) upstream from culvert at Sunrise Highway, 0.5 mile (0.8 km) downstream from gaging station 01310500.	-	1975	8-11-75	6.1
					9-29-75	7.7
01310600	Millburn Creek at Baldwin, N.Y.	Lat 40°39'04", long 73°36'13", Nassau County, 50 ft (15 m) downstream from bridge on State Highway 27A, 0.5 mile (0.8 km) east of Baldwin.	-	1953-75	11-27-74	4.6
					1-23-75	5.5
					5- 8-75	8.5
					9- 2-75	7.0
01310700	Parsonage Creek at Baldwin, N.Y.	Lat 40°38'48", long 73°36'59", Nassau County, 20 ft (6 m) downstream from bridge on Foxhurst Road, at Baldwin.	-	1953-69 1971-75	11-27-74	1.8
					1-23-75	2.6
					9- 2-75	2.2
01310800	South Pond Outlet at Rockville Centre, N.Y.	Lat 40°40'00", long 73°39'08", Nassau County, at bridge on Lakeview Ave., 0.75 mile (1.21 km) north of Rockville Centre.	-	1953-75	11-14-74	.05
					1- 8-75	.07
					5-23-75	.69
01311200	Motts Creek at Valley Stream, N.Y.	Lat 40°39'01", long 73°42'45", Nassau County, 50 ft (15 m) downstream from bridge on Rosedale Road, 1 mile (2 km) southwest of Valley Stream.	-	1954-75	11-14-74	.01
					5-23-75	.73
01311700	Valley Stream below West Branch, at Valley Stream, N.Y.	Lat 40°39'47", long 73°42'21", Nassau County, 200 ft (61 m) downstream from West Branch, 500 ft (152 m) downstream from bridge on West Valley Stream Blvd., at village park in Valley Stream, and 500 ft (152 m) downstream from gaging station.	-	1953-75	11-14-74	0
Hudson River basin						
01350900	Beaverdam Creek near Knox, N.Y.	Lat 42°38'57", long 74°07'56", Albany County, at bridge on farm road 1.2 miles (1.9 km) south of Knox, and 1.7 miles (2.7 km) upstream from mouth.	6.91	1962-65 1970 1973-75	8- 8-74	.04
					9-10-75	.36
01350950	Switz Kill near Berne, N.Y.	Lat 42°36'41", long 74°09'24", Albany County, at bridge on county highway, 1.2 miles (1.9 km) upstream from mouth, and 1.3 miles (2.1 km) southwest of Berne.	28.3	1962-65 1967 1970 1973-75	9-11-75	<0.1
01359595	Dowers Kill near Selkirk, N.Y.	Lat 42°34'03", long 73°48'53", Albany County, at bridge on Jericho Road, 0.6 mile (1.0 km) east of Elm Avenue, 0.7 mile (1.1 km) upstream from mouth, and 2.6 miles (4.2 km) north of Selkirk.	4.75	1962-66 1970 1973-75	8-28-75	0
01359810	Onesquethaw Creek near Clarksville, N.Y.	Lat 42°35'35", long 73°59'06", Albany County, at culvert on State Highway 85, 1.5 miles (2.4 km) northwest of Clarksville.	0.62	1970 1972-75	9- 3-75	0
01361550	Tenmile Creek at Medusa, N.Y.	Lat 42°26'10", long 74°07'58", Albany County, at bridge on county road at Medusa, 0.4 mile (0.6 km) upstream from Eightmile Creek and 3.0 miles (4.8 km) upstream from mouth.	19.1	1962-64 1970 1973-75	9-10-75	.84
01361560	Eightmile Creek at Medusa, N.Y.	Lat 42°26'07", long 74°07'24", Albany County, at bridge on county road, 0.5 mile (0.8 km) east of Medusa, and 0.6 mile (1.0 km) upstream from mouth.	12.8	1962-64 1970 1973-75	9-10-75	.10
01361760	Wolf Fly Creek at South Westerlo, N.Y.	Lat 42°26'46", long 74°01'52", Albany County, at bridge on county road at South Westerlo, and 700 feet (213 m) upstream from mouth.	6.45	1962-64 1970 1973-75	9-10-75	0

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

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Discharge measurements made at low-flow partial-record stations during water year 1975--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Measurements	
					Date	Discharge (cfs)
Susquehanna River basin						
01509200	Gridley Creek at Messengerville, N.Y.	Lat 42°29'19", long 76°04'26", Cortland County, at bridge on Francis Road at Messengerville, and 0.1 mile (0.2 km) upstream from mouth.	16.1	1962-66 1970 1972 1974-75	5-20-75	28
Streams Tributary to Lake Ontario						
04252505	Mill Creek at Boonville, N.Y.	Lat 43°28'41", long 75°20'52", Oneida County, at bridge on State Highway 294, 0.7 mile (1.1 km) southwest of Boonville, and 3.4 miles (5.5 km) upstream from mouth.	4.59	1967 1973-75	7-16-75 8-5-75	1.4 .82
Streams Tributary to St. Lawrence River						
04272600	Summer Brook at Bloomingdale, N.Y.	Lat 44°24'30", long 74°05'03", Essex County, at bridge on State Highway 3, 0.3 mile (0.5 km) east of center of Bloomingdale, and 1.5 miles (2.4 km) upstream from mouth.	54.0	1963-67 1974-75	7-24-75	31

Crest-stage partial-record stations

The following table contains annual maximum discharges for crest-stage stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak discharge 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. If the maximum gage height did not occur at the same time as the maximum discharge, it is given separately. The years given in the period of record represent water years for which the annual maximum has been determined.

Annual maximum discharge at crest-stage partial-record stations during water year 1975

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Date	Annual maximum	
						Gage height (feet)	Discharge (cfs)
Hudson River basin							
01319800	West Branch Sacandaga River at Arietta, N.Y.	Lat 43°15'03", long 74°31'06", Hamilton County, at bridge on State Highway 10, 0.4 mi north of Arietta. Datum of gage is 1,648.95 ft above mean sea level.	28.9	1963-75	4-25-75	10.99	992
01319950	Sand Lake Outlet near Piseco, N.Y.	Lat 43°22'15", long 74°32'47", Hamilton County, at bridge on State Highway 10, 0.9 mi upstream from mouth, and 5.5 mi south of Piseco. Datum of gage is 1,687.35 ft above mean sea level.	7.16	1962-66, 1968-75	4-25-75	2.46	239
01323000	Kennytto Creek near Broadalbin, N.Y.	Lat 43°03'57", long 74°09'48", Fulton County, at bridge on county highway, 1.8 mi (2.9 km) east of Broadalbin.	28.3	1940-46, 1960-65, 1969-75	8-26-75	4.82	+
01329900	Glowegee Creek Tributary at Mosherville, N.Y.	Lat 43°03'24", long 74°00'58", Saratoga County, at culvert on Parkis Mill Road, and 0.4 mi (0.6 km) south of Mosherville.	1.37	1968-75	8-26-75	12.57	100
01346820	Mohawk River Tributary at Indian Castle, N.Y.	Lat 43°00'34", long 74°47'47", Herkimer County, at culvert on State Highway 5S, 0.35 mi (0.6 km) west of Indian Castle, and 0.4 mi (0.7 km) upstream from mouth.	1.37	1974-75	4-3-75	0.87	62
01347460	Spruce Lake tributary near Salisbury Center, N.Y.	Lat 43°10'51", long 74°48'44", Herkimer County, at culvert on town road (Jerseyfield Road), 1.3 mi (2.1 km) upstream from mouth, and 2.9 mi (4.7 km) north of Salisbury Center.	0.53	1975	9-26-75	2.96	52
01348420	North Creek near Ephratah, N.Y.	Lat 43°00'28", long 74°33'54", Fulton County, at culvert on town road, 0.4 mi (0.7 km) upstream from mouth, and 1.2 mi (1.9 km) northwest of Ephratah.	6.68	1975	9-26-75	3.48	123
01349360	Van Wie Creek tributary near Randall, N.Y.	Lat 42°54'11", long 74°25'55", Montgomery County, at culvert on Brumley Road, 0.3 mi (0.5 km) south of intersection with Argisinger Road, and 0.9 mi (1.4 km) southwest of Randall.	1.03	1974-75	7-3-74, 4-3-75	6.87, 4.57	128, 88
01355405	Indian Kill near Glenville Center, N.Y.	Lat 42°53'40", long 73°57'27", Schenectady County, 1.1 mi (1.7 km) east of Glenville Center, and 1.3 mi (2.1 km) west of East Glenville.	2.39	1974-75	9-26-75	15.94	67
01361200	Claverack Creek near Claverack, N.Y.	Lat 42°12'54", long 73°43'46", Columbia County, on right bank, 70 ft (21 m) upstream from bridge on State Highway 9H, 0.5 mi (0.8 km) south of Claverack.	60.6	1960-68, 1969-73, 1975	9-26-75	6.94	1,620
01362100	Roeliff Jansen Kill near Hillsdale, N.Y.	Lat 42°09'13", long 73°31'19", Columbia County, at bridge on county highway off State Highway 22, 1.8 mi (2.9 km) south of Hillsdale.	27.5	1958-60, 1963-64, 1968-75	9-26-75	4.36	696
01368495	Indigot Creek Tributary near Mount Hope, N.Y.	Lat 41°25'16", long 75°31'08", Orange County, at bridge on Manning Road (Town of Mount Hope 12), 1.3 mi (2.1 km) upstream from mouth and 1.6 mi (2.6 km) south of Mount Hope.	5.78	1973-75	6-30-73, 12-21-73, 3-19-75	5.75, 5.97, 5.90	R 230, R 300, 275
01368713	Wawayanda Creek at Durland, N.Y.	Lat 41°16'44", long 74°18'20", Orange County, on bridge on State School Road, at Durland, 0.1 mi (0.2 km) downstream from Wickham Lake, and 2.5 mi (4.0 km) northeast of Warwick.	5.15	1971-75	7-14-75	15.45	39

+ discharge not determined.

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DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

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Annual maximum discharge at crest-stage partial-record stations during water year 1975--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Date	Annual maximum	
						Gage height (feet)	Discharge (cfs)
Hudson River basin--Continued							
01368724	Long House Creek at Bellvale, N.Y.	Lat 41°15'10", long 74°18'30", Orange County, at bridge on Iron Forge Road, at Bellvale, and 1.9 mi (3.1 km) upstream from mouth.	11.8	1971-75	7-14-75	15.83	200
01368810	Wawayanda Creek at New Milford, N.Y.	Lat 41°14'18", long 74°25'03", Orange County, at bridge on Ryerson Road, at New Milford, 0.2 mi (0.3 km) upstream from Double Kill.	45.0	1971-75	9-26-75	13.48	630
01370836	Dwaar Kill near Searsville, N.Y.	Lat 41°35'14", long 74°16'14", Orange County, at bridge on Hill Ave., 2.3 mi (3.7 km) southeast of Pine Bush, and 2.8 mi (4.5 km) northeast of Searsville.	12.8	1974-75	3-19-75	10.97	405
01371000	Shawangunk Kill at Pine Bush, N.Y.	Lat 41°37'05", long 74°17'40", on left bank 50 ft (15 m) downstream from Hardenburg Bridge, half a mile northeast of Pine Bush, Orange County, 2.3 mi (3.7 km) downstream from Pak-anasink Creek and 12.9 mi (20.8 km) above the mouth at Ganahgote.	102	1924-32* 1957-71* 1972, 1975	5-31-72 3-19-75	7.67 7.69	4,240 4,260
01372948	Clove Creek near North Highland, N.Y.	Lat 41°28'50", long 73°54'35", Putnam County, at bridge on Mill Road, 1.6 mi (2.6 km) north-east of North Highland.		1975	7-21-75	2.50	164
01374130	Canopus Creek at Oscawana Corners, N.Y.	Lat 41°22'43", long 73°52'23", Putnam County, at bridge on Hortun Hollow Road, 0.4 mi (0.6 km) downstream from West Branch, and 0.8 mi (1.3 km) west of Oscawana Corners.		1975	5-13-75	2.28	55
01374250	Peekskill Hollow Creek at Tompkins Corners, N.Y.	Lat 41°23'18", long 73°48'47", Putnam County, at bridge on Bryant Pond Road, 0.9 mi (1.4 km) southwest of Tompkins Corners and 1.1 mi (1.8 km) downstream from Wiccopee Brook.		1975	3-20-75	1.98	118
01374645	Lake Carmel Inlet at Kent Corners, N.Y.	Lat 41°28'19", long 73°39'15", Putnam County, at culvert on State Highway 311, 0.3 mi (0.5 km) upstream from mouth and 0.4 mi (0.6 km) north-east of Kent Corners.		1975	3-20-75	1.74	158
Hackensack River basin							
01376570	New City Brook near New City, N.Y.	Lat 41°10'09", long 73°58'46", Rockland County, at bridge on road north of Christie Airport, 0.5 mi (0.8 km) east of Zukov Road, 0.8 mi (1.3 km) upstream from mouth, and 1.1 mi (1.8 km) north of New City.	5.51	1972-75	9-26-75	6.09	600
01376600	Hackensack River at Brookside Park, N.Y.	Lat 41°10'18", long 73°58'24", Rockland County, at Brookside Park, 900 ft (270 m) upstream from State Highway 304, 1,300 ft (400 m) upstream from Deforest Lake, 0.8 mi (1.3 km) downstream from unnamed tributary, and 1.2 mi (1.9 km) from Lake Lucille.	13.2	1959-63* 1967-75	9-26-75	6.53	950
01376690	East Branch Hackensack River near Congers, N.Y.	Lat 41°07'32", long 73°57'24", Rockland County, about 0.1 mi (0.2 km) downstream from small pond, half a mile (0.8 km) upstream from DeForest Lake, and 2 mi (3 km) south of Congers.	6.86	1960, 1968-69 1971-75	9-26-75	9.70	310
01377180	Pascack Brook at Spring Valley, N.Y.	Lat 41°06'45", long 74°02'00", Rockland County, on road to Orange and Rockland Utilities sub-station, and 0.7 mi (1.1 km) east of Spring Valley.	2.13	1972-75	9-26-75	4.60	470
01387350	Nakoma Brook at Sloatsburg, N.Y. (formerly published as "Ramapo River Tributary")	Lat 41°09'14", long 74°11'38", Rockland County, 50 ft (15 m) downstream from tributary, 100 ft (30 m) upstream from State Highway 17, half a mile (0.8 km) upstream from mouth, 1.1 mi (1.8 km) downstream from Cranberry Pond Outlet, at Sloatsburg.	5.35	1960-75	9-26-75	6.40	120
01387410	Torne Brook at Ramapo, N.Y.	Lat 41°08'34", long 74°09'44", Rockland County, a quarter of a mile upstream from mouth and 0.5 mi (0.8 km) east of Ramapo.	2.62	1960, 1962-75	3-20-75	7.22	473

* Operated as continuous-record gaging station.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Annual maximum discharge at crest-stage partial-record stations during water year 1975--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Date	Annual maximum	
						Gage height (feet)	Discharge (cfs)
Delaware River basin							
01417185	Campbell Brook tributary near Downsville, N.Y.	Lat 42°02'41", long 74°58'37", Delaware County, at culvert on Campbell Brook Road Left Fork, 200 ft (61 m) upstream from mouth, 2.0 mi (3.2 km) southwest of Downsville Dam, and 2.7 mi (4.3 km) southeast of Downsville.	0.41	1975	9-26-75	1.97	12
01422530	Peaks Brook near Delhi, N.Y.	Lat 42°15'58", long 74°57'24", Delaware County, at culvert on town road, 0.9 mi (1.4 km) upstream from mouth, and 2.0 mi (3.2 km) west of Delhi.	5.04	1975	9-26-75	0.67	360
01436050	Neversink River, tributary to tributary No. 3 near Loch Sheldrake, N.Y.	Lat 41°48'05", long 74°37'53", Sullivan County, at culvert on town road, 0.2 mi (0.3 km) upstream from mouth, and 2.5 mi (4.0 km) northeast of Loch Sheldrake.	1.36	1975	9-26-75	0.64	15
01437345	Basher Kill tributary near Westbrookville, N.Y.	Lat 41°30'34", long 74°32'36", Sullivan County, at culvert on town road, 0.2 mi (0.3 km) upstream from mouth, and 1.0 mi (1.6 km) northeast of Westbrookville.	1.51	1975	3-19-75	4.00	94
Susquehanna River basin							
01496363	Oquionis Creek at Richfield Springs, N.Y.	Lat 42°51'13", long 74°59'30", Otsego County, at bridge on River Street in Richfield Springs, and 1.4 mi upstream from mouth.	20.0	1975	unknown	2.87	340
01496370	Mink Creek at Richfield Springs, N.Y.	Lat 42°50'55", long 75°00'11", Otsego County, at bridge on State Highway 28, 0.4 mi south of Richfield Springs, and 1.0 mi upstream from mouth.	10.4	1969-75	unknown	4.66	467
01496390	Hyder Creek near Richfield Springs, N.Y.	Lat 42°49'00", long 75°01'12", Otsego County, State Highway 28, 0.3 mi upstream from mouth, and 3 mi southwest of Richfield Springs.	9.52	1975	9-26-75	4.51	523
01497800	Schenevus Creek at Schenevus, N.Y.	Lat 42°32'45", long 74°50'00", Otsego County, at bridge on Tannery Street, Schenevus.	57.8	1963-75	2-24-75	5.96	640
01499000	Otego Creek near Oneonta, N.Y.	Lat 42°27'00", long 75°06'50", Otego County, on right bank 1-1/2 miles south of West Oneonta, 1-3/4 miles upstream from mouth, and 2-3/4 miles west of Oneonta.	108	1941-68# 1969-75	12-27-73 9-26-75	4.10 8.14	520 1,380
01503980	Chenango River at Eaton, N.Y.	Lat 42°51'02", long 75°36'21", Madison County, at bridge on London Road, at Eaton, 0.1 mile upstream from Eaton Brook, and 1.0 mile downstream from State Highway 26.	24.3	1964-65 1967-75	2-25-75	7.39	960
01507000	Chenango River at Greene, N.Y.	Lat 42°19'28", long 75°46'18", Chenango County, on left bank 1,700 ft downstream from bridge on State Highway 206 at Greene, and 0.6 mile downstream from Birdsall Creek.	593	1937-70# 1971-75	2-25-75	13.30	10,000
01508500	Albright Creek at East Homer, N.Y.	Lat 42°40'09", long 76°06'13", Cortland County, on left bank 0.2 mi upstream from highway bridge in East Homer, and 0.5 mi upstream from mouth.	6.81	1939-68# 1970-73 1974-75	9-26-75	5.02	2,480
01511500	Tioughnioga River at Itaska, N.Y.	Lat 42°17'55", long 75°54'30", Broome County, on right bank at Itaska, 3.8 mi downstream from Otselic River and village of Whitney Point, and 6 mi upstream from mouth.	730	1929-67# 1968-75	9-26-75	9.50	14,800
01513500	Susquehanna River at Vestal, N.Y.	Lat 42°05'30", long 76°03'25", Broome County, on left bank 400 ft downstream from highway bridge at Vestal, and 800 ft upstream from Choconut Creek.	3,960	1936-37 1938-67# 1968-75	11- 9-72 9-26-75	19.79 23.09	46,400 61,500
01525500	Canisteo River at West Cameron, N.Y.	Lat 42°13'20", long 77°25'05", Steuben County, on right bank 250 ft downstream from bridge on County Highway 119, 0.3 mile southeast of West Cameron, and 1.7 miles north of Cameron.	340	1930-31# 1937-70# 1971-72 1974-75	9-26-75	17.55	16,400

Operated as continuous-record gaging station.

Annual maximum discharge at crest-stage partial-record stations during water year 1975--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Date	Annual maximum	
						Gage height (feet)	Dis-charge (cfs)
Allegheny River basin							
03010800	Olean Creek near Olean, N.Y.	Lat 42°07'12", long 78°25'12", Cattaraugus County, on right bank at upstream side of highway bridge, 1,000 ft west of State Highway 16, 1.4 miles northeast of Olean, and 4.6 miles upstream from mouth.	198	1959-68# 1970-75	2-25-75	11.95	5,600
03013800	Ball Creek at Stow, N.Y.	Lat 42°09'15", long 79°24'25", Chautauqua County, on left bank 75 ft (23 m) upstream from bridge on State Highway 17-J, at Stow, 0.4 mi (0.6 km) upstream from mouth, 0.9 mi (1.4 km) southwest of Bemus Point and 5.1 mi (8.2 km) southwest of Mayville.	9.06	1974# 1975	6- 6-75	17.94	1,480
Streams tributary to Lake Erie							
04213490	South Branch Cattaraugus Creek near Otto, N.Y.	Lat 42°21'54", long 78°48'06", Cattaraugus County, at highway bridge, 0.2 mi upstream from Mansfield Creek, and 1.7 mi northeast of Otto.	25.6	1963-75	9-26-75	6.00	1,520
04213492	South Branch Cattaraugus Creek at Cattaraugus, N.Y.	Lat 42°20'28", long 78°50'59", Cattaraugus County, at bridge on Skinner Hollow Road, and 1.3 miles northeast of Cattaraugus.	67.5	1972 1975	9-26-75	6.15	3,950
04214040	Delaware Creek near Angola, N.Y.	Lat 42°37'46", long 79°03'15", Erie County, at bridge on State Highway 5, 1.5 mi southwest of Angola, and 1.6 mi upstream from mouth.	8.15	1963-75	9-26-75	3.06	211
04214200	Eighteenmile Creek at North Boston, N.Y.	Lat 42°41'04", long 78°46'41", Erie County, on left bank 60 ft upstream from bridge on Zimmerman Road, at North Boston, 1.4 mi downstream from mouth of Irish Gulf, and 2-3/4 miles southeast of Hamburg.	37.2	1963-68# 1971-75	9-26-75	9.81	3,760
04214260	South Branch Smoke Creek at Lackawanna, N.Y.	Lat 42°48'17", long 78°48'38", Erie County, at bridge on Willet Road at Lackawanna, miles upstream from mouth.	13.6	1953 1955 1967-75	9-26-75	5.84	700
04214410	Hunter Creek at Colegrave, N.Y.	Lat 42°44'11", long 78°32'55", Erie County, at bridge on Center Line Road, 0.3 mile (0.5 km) east of Colegrave, and 3.5 miles (5.0 km) upstream from mouth.	14.0	1963-65 1970-72 1974-75	9-26-75	6.16	1,350
Streams tributary to Niagara River							
04217700	Murder Creek at Pembroke, N.Y.	Lat 42°59'37", long 78°26'08", Genesee County, at Lake Road bridge, 0.3 mile south of Pembroke, and 12.5 miles west of Batavia.	43.9	1962-72 1974	1-31-75	7.90	910
Streams tributary to Lake Ontario							
04220150	Oak Orchard Creek at Medina, N.Y.	Lat 43°12'26", long 78°23'11", Orleans County, at bridge on State Highway 31A at Medina, and 1.2 miles upstream from Erie (Barge) Canal.	157	1962-70 1972 1975	9-26-75	5.64	391
04221725	Genesee River at Transit Bridge near Belfast, N.Y.	Lat 42°17'46", long 78°04'36", Alleghany County, at Transit Bridge at intersection of State Highways 19 and 408, and 3.5 mi (5.6 km) south-east of Belfast.		1975	9-26-75	15.92	14,900
04222600	Wisoy Creek at Bliss, N.Y.	Lat 42°34'59", long 78°14'16", Wyoming County, at bridge on county road, 0.1 mi north of State Highway 39, and 0.6 mi east of Bliss.	21.8	1962-65 1967-75	9-26-75	2.87	799
04224740	Sugar Creek near Canaseraga, N.Y.	Lat 42°30'07", long 77°44'43", Livingston County, at bridge on county road, 1.6 mi (2.6 km) upstream from mouth and 3.4 mi (5.5 km) north of Canaseraga.		1975	unknown	2.89	740
04224848	Stony Brook at Stony Brook State Park, N.Y.	Lat 42°31'20", long 77°41'22", Livingston County, at foot bridge in Stony Brook State Park, 0.3 mi (0.5 km) south of north park entrance, and 2.7 mi (4.3 km) south of Dansville.		1975	9-26-75	6.22	1,200

* Operated as continuous-record gaging station.

Annual maximum discharge at crest-stage partial-record stations during water year 1975--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Date	Annual maximum	
						Gage height (feet)	Discharge (cfs)
Streams tributary to Lake Ontario--Continued							
04224900	Mill Creek at Patchinville, N.Y.	Lat 42°31'13", long 77°35'06", Steuben County, at bridge on Ellinger Road, 0.1 mi east of State Highway 21, 0.8 mi south of Patchinville, 3.3 mi south of Wayland, and 9.1 mi upstream from mouth.	5.00	1964-75	9-26-75	1.56	81
04225500	Canaseraga Creek at Groveland, N.Y.	Lat 42°39'45", long 77°46'10", Livingston County, at bridge on State Highway 36, 0.1 mi (0.2 km) west of Groveland.	181	1956-64# 1975	6- 6-75	10.75	2,330
04225915	Keshequa Creek at Nunda, N.Y.	Lat 42°35'19", long 77°55'14", Livingston County, at bridge on Bailey Road 0.4 mi (0.6 km) north-east of Nunda.		1975	1-29-75	5.17	1,740
04228370	Little Conesus Creek near South Lima, N.Y.	Lat 42°53'14", long 77°40'03", Livingston County, at bridge on Cleary Road, 1.1 mi (1.8 km) upstream from partial record station (04228380) near East Avon, and 2.2 mi (3.5 km) north of South Lima.	7.39	1975	6- 6-75	7.09	150
04228380	Little Conesus Creek near East Avon, N.Y.	Lat 42°53'34", long 77°41'05", Livingston County, at bridge on Bronson Hill Road, 1.1 mi (1.8 km) downstream from partial record station (04228370) near South Lima, and 1.6 mi (2.6 km) southeast of East Avon.	8.05	1975	6- 6-75	3.10	150
04230320	Oatka Creek at Rock Glen, N.Y.	Lat 42°41'39", long 78°07'15", Wyoming County, at bridge on State Highway 19, 0.6 mi (0.9 km) north of Rock Glen, and 1.2 mi (1.9 km) southeast of South Warsaw.	16.0	1975	1-29-75	5.11	1,200
04230400	Oatka Creek at Pearl Creek, N.Y.	Lat 42°50'54", long 78°03'37", at bridge on State Highway 19 at Pearl River, Wyoming County, and 2 mi northeast of Wyoming.	80.7	1975	1-29-75	11.79	1,530
04230410	Pearl Creek at Pearl Creek, N.Y.	Lat 42°50'55", long 78°02'36", at bridge on State Highway 19, 0.2 mi east of Pearl Creek, Wyoming County, and 1.0 mi upstream from mouth.	10.9	1975	1-29-75	6.03	240
04230423	Oatka Creek near Pavilion Center, N.Y.	Lat 42°55'43", long 78°02'20", Genesee County, at bridge on Junction Road, 1.6 mi (2.6 km) northwest of Pavilion Center and 3.7 mi (6.0 km) northwest of Pavilion.	111	1975	1-29-75	9.49	3,000
04230470	Mad Creek near LeRoy, N.Y.	Lat 42°58'47", long 77°57'00", Genesee County, at bridge on State Highway 5, 1.2 mi (1.9 km) east of LeRoy and 2.3 mi (3.7 km) upstream from mouth.	10.1	1975	1-29-75	3.31	240
042320578	Bear Creek at Ontario, N.Y.	Lat 43°13'30", long 77°17'00", Wayne County, at culvert on New Street, in Ontario, 100 ft west of Furnace Road.	6.74	1975	9-26-75	11.88	86
04232630	Kendig Creek near MacDougall, N.Y.	Lat 42°50'57", long 76°53'33", Seneca County, on left bank 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.	13.8	1965-68# 1969-73 1975	9-26-75	5.80	650
04233255	Cayuga Inlet at Ithaca, N.Y.	Lat 42°25'38", long 76°31'19", Tompkins County, on left bank on upstream abutment face of flood-control weir, at east end of Burt Place, .02 mi south of Ithaca city line, 0.3 mi east of State Highway 13a, 0.9 mi downstream from Butternut Creek, and 2.4 mi upstream from mouth.	86.7	1972 1975	9-26-75	10.11	4,270
04233624	Webster Brook at Summer Hill, N.Y.	Lat 42°38'33", long 76°20'32", Cayuga County, at culvert on State Highway 90, 0.8 mi (1.3 km) west of Summer Hill, and 3.8 mi (6.1 km) north-east of Groton.	2.59	1975	9-26-75	3.15	190
04233632	Fall Creek tributary No. 7 at Stevens Corners, N.Y.	Lat 42°33'57", long 76°17'57", Tompkins County, at culvert on county highway 0.1 mi (0.2 km) north of Stevens Corners, and 1.0 mi (1.6 km) northwest of McLeon.	0.52	1975	9-26-75	0.80	70

Operated as continuous-record gaging station.

Annual maximum discharge at crest-stage partial-record stations during water year 1975--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Date	Annual maximum	
						Gage height (feet)	Discharge (cfs)
Streams tributary to Lake Ontario--Continued							
04233648	Fall Creek at Freeville, N.Y.	Lat 42°30'51", long 76°20'50", Tompkins County, at bridge on State Highway 38, at Freeville.	55.9	1975	9-26-75	8.91	2,250
04233676	Virgil Creek at Dryden, N.Y.	Lat 42°29'18", long 76°18'08", Tompkins County, at bridge on Mill Street at Dryden, and 0.1 mile upstream from Dryden Lake Outlet.	20.6	1966-70 1972 1975	9-26-75	4.98	1,440
04233678	Dryden Lake Inlet near Harford, N.Y.	Lat 42°26'50", long 76°14'44", Cortland County, on right bank 20 ft (6 m) upstream from bridge on East Lake Road at intersection with Cotterill Lane, 2.0 mi (3.2 km) northwest of Harford, and 1.6 mi (2.6 km) upstream from Dryden Lake.		1974 ⁺ 1975	9-26-75	5.13	450
04234400	West River near Middlesex, N.Y.	Lat 42°41'06", long 77°17'20", Yates County, at bridge on town road, 0.15 mi west of State Highway 245, 1.6 mi southwest of Middlesex, and 5.5 mi upstream from Naples Creek.	29.3	1965-72 1975	9-26-75	6.48	2,320
04235276	Black Brook at Tyre, N.Y.	Lat 42°59'30", long 76°48'13", Seneca County, at bridge on County Highway 101, in village of Tyre, and 0.8 mi upstream from mouth.	19.0	1966-73 1975	9-26-75	3.77	583
04245236	Meadow Brook at Hurlburt Road Syracuse, N.Y.	Lat 43°02'30", long 76°06'02", Onondaga County, on right bank 170 ft (52 m) downstream from culvert at intersection of Hurlburt Road and Meadowbrook Drive, and 2.3 mi (3.7 km) upstream from mouth.	2.90	1971-73 ⁺ 1974-75	7- 3-74 9-26-75	6.51 4.21	475 230
04245840	Scriba Creek near Constantia, N.Y.	Lat 43°15'35", long 76°00'11", Oswego County, on right bank, 8 ft upstream from road to Ingersol Road, and about 0.8 mi north of village of Constantia.	38.4	1966-68 ⁺ 1969 1971-75	9-26-75	7.33	1,110
04249050	Catfish Creek at New Haven, N.Y.	Lat 43°29'00", long 76°19'34", at bridge on State Highway 104B, at New Haven, Oswego County, and 1.4 mi upstream from mouth.	31.7	1962-66 1968-75	9-26-75	5.53	+
Streams tributary to St. Lawrence River							
04264200	Little Sucker Brook at Waddington, N.Y.	Lat 44°50'28", long 75°11'28", St. Lawrence County, at bridge on State Highway 345, 0.6 mi (1.0 km) south of Waddington, and 3.9 mi (6.3 km) upstream from mouth.	19.9	1959-60 ⁺ 1961-69 1971-75	4-20-75	3.75	1,500
04264300	Brandy Brook near Waddington, N.Y.	Lat 44°49'42", long 75°04'32", St. Lawrence County, at bridge on Halfway House Road, 3.2 mi (5.1 km) southeast of Waddington, and 4.4 mi (8.2 km) upstream from mouth.	27.0	1959-63 ⁺ 1964-69 1971-75	4-20-75	6.63	448
04264400	Middle Branch Grass River near Clare, N.Y.	Lat 44°22'34", long 75°03'42", St. Lawrence County, at highway bridge, 1.1 mi (1.8 km) upstream from confluence with South Branch, and 1.9 mi (3.1 km) south of Clare.	63.6	1959-60 ⁺ 1961-68 1971-75	4-20-75	7.79	+
04265100	Elm Creek near Hermon, N.Y.	Lat 44°26'14", long 75°12'52", St. Lawrence County, on left bank 100 ft downstream from highway bridge, 2.3 mi (3.7 km) south of Hermon, and 6.8 mi (10.9 km) upstream from confluence with Tanner Creek.	33.0	1958-68 ⁺ 1969-75	4-20-75	6.61	540
04265300	Little River near Canton, N. Y.	Lat 44°34'24", long 75°06'56", St. Lawrence County, at old dam 50 ft (15 m) downstream from highway, at Brick Chapel, 4.0 mi (6.4 km) southeast of Canton, and 7.4 mi (11.9 km) upstream from mouth.	42.4	1959-60 ⁺ 1961-69 1971-75	4-20-75	6.05	975
04267800	Trout Brook at Allen Corners, N.Y.	Lat 44°47'33", long 75°01'59", St. Lawrence County, at abandoned bridge off State Highway 56A, at Allen Corners, and 2 mi (3 km) southwest of Norfolk.	56.2	1958-63 ⁺ 1964-65 1967-74	4- 5-74	12.4	R 3,690
04273700	Salmon River at South Plattsburgh, N.Y.	Lat 44°38'24", long 73°29'43", Clinton County, on left bank on bridge on Salmon River Road, at South Plattsburgh, 0.4 mi (.6 km) west of State Highway 22, and 3.9 mi (6.3 km) upstream from mouth.	61.9	1960-68 ⁺ 1969 1971-75	4-20-75	3.72	1,600

+ Discharge not determined.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Measurements at miscellaneous sites

Measurements of streamflow at point other than gaging stations or partial-record stations are given in the following table. Those that are measurements of base flow are designated by an asterisk (*); measurements of peak flow by a dagger (†). Where "Drainage area" column is blank, drainage area not available at time of publication.

Discharge measurements made at miscellaneous sites during water year 1975.

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Date	Measurements Discharge (cfs)
Blind Brook basin						
01299000 Blind Brook	Long Island Sound	Lat 41°02'23", long, 73°41'27", Westchester County, at bridge on Anderson Hill Road, 0.4 mi (0.6 km) east of Lincoln Road, 0.9 mi (1.5 km) upstream from Hutchinson River Parkway and 1.3 mi (2.1 km) east of Purchase.	1.79	1972	9-26-75	†1,000
01299030 Blind Brook	Long Island Sound	Lat 41°01'37", long 73°41'23", Westchester County, in Port Chester, 40 ft (12 m) south of Hutchinson River Parkway, 0.4 mi (6.5 km) east of Lincoln Avenue interchange (No. 25), and 11.2 mi (18.0 km) upstream from mean high tide in Milton Harbor.	2.46		7-16-75 8-12-75	5.1 3
01299100 Blind Brook	Long Island Sound	Lat 41°02'15", long, 73°42'26", Westchester County, at bridge on Anderson Hill Road, 0.3 mi (0.5 km) upstream from dam on small pond, 0.4 mi (0.6 km) east of State Highway 120, and 0.5 mi (0.8 km) southeast of Purchase.	1.04	1972	9-26-75	†100
01299130 Blind Brook Tributary	Blind Brook	Lat 41°01'28", long 73°42'00", Westchester County, in Port Chester, 50 ft (15 m) north of Hutchinson River Parkway, 0.3 mi (0.5 km) west of Lincoln Avenue interchange (No. 25), and 0.3 mi (0.5 km) upstream from mouth.	2.19		7-16-75 8-12-75	3.1 0.8
Beaver Swamp basin						
01300450 Beaver Swamp Brook	Long Island Sound	Lat 40°58'48", long 73°42'04", Westchester County, at bridge on North Street in Rye, and 2.0 mi (3.2 km) upstream from gaging station at Mamaroneck (sta. 01300500).	1.64	1972	9-26-75	†166
Mamaroneck River basin						
01300700 West Branch Mamaroneck River	Mamaroneck River	Lat 40°59'38", long 73°45'14", Westchester County, at bridge on Saxon Woods Road at White Plains city line, and 1.2 mi (1.9 km) upstream from mouth.	1.09	1972	9-26-75	†200
01300800 Mamaroneck River	Long Island Sound	Lat 40°58'08", long 73°44'15", Westchester County, at Westchester Joint Water Works, at Mamaroneck, 2.2 mi (3.5 km) upstream from mouth.	14.5	1972	9-26-75	†2,560
01300900 Sheldrake River	Mamaroneck River	Lat 40°56'38", long 73°45'04", Westchester County, at outlet of pond 200 ft (61 m) west of New England Thruway, 0.2 mi (0.3 km) upstream from Mamaroneck village line, and 1.3 mi (2.1 km) upstream from mouth.	5.55	1972	9-26-75	†1,200
Hudson River basin						
013166885 Jones Brook Tributary	Jones Brook	Lat 43°47'22", long 73°57'49", Essex County, at highway culvert 300 ft (91 m) east of Jones Brook, 0.2 mi (0.3 km) south of Minerva Lake, and 0.9 mi (1.4 km) east of Minerva.		-	7- 9-75	.01
01318470 Stewarts Brook	Fourth Lake Inlet	Lat 43°21'44", long 73°48'49", Warren County, at wooden bridge on Gravel Pit Road in campsite, 0.2 mi (0.3 km) upstream from mouth and 1.0 mi (1.6 km) northeast of Fourth Lake.		1974	7-25-75	18
01318472 Fourth Lake Inlet	Fourth Lake	Lat 43°21'33", long 73°48'49", Warren County, at culverts in State campsite, 0.4 mi (0.6 km) upstream from mouth, and 0.9 mi (1.4 km) north-east of Fourth Lake.		1974	7-25-75	36

† Peak flow

Discharge measurements made at miscellaneous sites during water year 1975--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Hudson River basin--Continued						
01318485 Second Lake Outlet	Lake Luzerne	Lat 43°20'21", long 73°49'45", Warren County, at bridge on Towner Road, 0.9 mi (1.4 km) upstream from mouth, and 1.7 mi (2.7 km) north of Lake Luzerne.		1974	7-25-75	29
01318495 Lake Luzerne Outlet	Hudson River	Lat 43°19'14", long 73°50'30", Warren County, at bridge on Main Street in Lake Luzerne, and 0.2 mi (0.3 km) upstream from mouth.			7-25-75	23.5
01323000 Kennyetto Creek	Great Sacandaga Lake	Lat 43°03'57", long 74°09'48", Fulton County, at county bridge, 1.8 mi (2.9 km) east of Broadalbin.	28.3	1939-46 ^a 1949-53 ^a 1956-58 ^a 1960-61 1966 1971-73	9- 5-75	26
01328472 Snook Kill	Hudson River	Lat 43°12'46", long 73°36'50", Saratoga County, at bridge on Mott Road, 2.6 mi (4.2 km) northeast of Gansevoort and 3.0 mi (4.8 km) upstream from mouth.	-	-	7- 9-75	*21
01328671 Cole Brook	Snook Kill	Lat 43°11'54", long 73°37'51", Saratoga County, at bridge on Kobor Road, 0.6 mi (1.0 km) upstream from mouth and 1.0 mi (1.6 km) east of Gansevoort.	-	-	7- 9-75	* 7.4
01328758 Pecks Creek	Hudson River	Lat 43°09'09", long 73°35'24", Washington County, at culvert on River Road, 0.5 mi (0.8 km) upstream from mouth, 0.9 mi (1.4 km) southwest of Fort Miller.	2.43	1974	8-25-75	.04
01329635 Batten Kill	Hudson River	Lat 43°05'21", long 73°31'14", Washington County, at bridge on Hegeman Bridge Road, 0.6 mi (1.0 km) west of Greenwich, 0.8 mi (1.3 km) southeast of Middle Falls, 1.3 mi (2.1 km) upstream from Hartshorn Brook.	-		10-17-74 12-18-74 3- 7-75 3-27-75	731 902 746 1,920
01329780 Sessions Brook	Kayaderoseras Creek	Lat 43°09'21", long 73°52'45", Saratoga County, at culvert on county road, 0.7 mi (1.2 km) northeast of Porters Corners and 0.9 mi (1.4 km) upstream from mouth.	1.12		8-25-75	0.07
01329900 Glowegee Creek Tributary	Glowegee Creek	Lat 43°03'24", long 74°00'58", Saratoga County at culvert on Parkis Mill Road, 0.4 mi (0.6 km) south of Mosherville.	1.37		8-27-75	1.2
01330880 Saratoga Lake Tributary	Saratoga Road	Lat 42°59'43", long 73°43'06", Saratoga County, at culvert on State Highway 423, 1.4 mi (2.3 km) upstream from mouth, and 4.6 mi (7.4 km) northwest of Bemis Heights.	2.94		8-27-75	.50
01334550 Case Brook	Hoosic River	Lat 42°55'50", long 73°23'15", Rensselaer County, at bridge on town road 1.2 mi (1.9 km) upstream from mouth and 1.4 mi (2.3 km) southeast of Eagle Bridge.	2.89		5-19-75	1.3
01337450 Oriskany Creek	Mohawk River	Lat 43°06'56", long 75°21'59", Oneida County, at bridge on Halsey Road in Walesville.	-	1906 1972	10-25-74 11-15-74 2-25-75 3-25-75 5-23-75	71 208 1,290 614 130
01346820 Mohawk River Tributary	Mohawk River	Lat 43°00'34", long 74°47'47", Herkimer County, at culvert on State Highway 5S, 0.35 mi (0.6 km) west of Indian Castle, and 0.4 mi (0.7 km) upstream from mouth.	1.37	†	9-26-75	12
01347460 Spruce Lake Tributary	Spruce Lake	Lat 43°10'51", long 74°48'44", Herkimer County, at culvert on town road (Jerseyfield Road), 1.3 mi (2.1 km) upstream from mouth, and 2.9 mi (4.7 km) north of Salisbury Center.	0.53	†	9-26-75	10
01348420 North Creek	Caroga Creek	Lat 43°00'28", long 74°33'54", Fulton County, at culvert on town road, 0.4 mi (0.7 km) upstream from mouth, and 1.2 mi (1.9 km) northwest of Ephratah.	6.68	†	8-27-75 9-26-75	2.8 23

- ^a Operated as a continuous-record gaging station.
^{*} Operated as a low-flow partial record station.
^{*} Base flow measurement.
[†] Operated as a crest-stage partial record station.

Discharge measurements made at miscellaneous sites during water year 1975--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Hudson River basin--Continued						
01349360 Van Wie Creek Tributary	Van Wie Creek	Lat 42°54'11", long 74°25'55", Montgomery County, at culvert on Brumley Road, 0.3 mi (0.5 km) south of intersection with Argisinger Road, and 0.9 mi (1.4 km) southwest of Randall.	1.03	f	9-26-75	2.9
01349520 Cayadutta Creek	Mohawk River	Lat 42°57'13", long 74°22'52", Montgomery County, at bridge on State Highway 5, at Fonda.	-	1966-67 1971	11-14-74 11-22-74 12-16-74 1-28-75 3-20-75	158 179 81 124 1,520
01349858 Silver Lake Outlet	Batavia Kill	Lat 42°17'43", long 74°12'48", Green County, at bridge on road between Hensonville and Brooksburg, 0.2 mi (0.3 km) upstream from mouth, 0.4 mi (0.6 km) northeast of Hensonville, and 3.3 mi (5.3 km) downstream from Silver Lake.	- 6.59	-	3-20-75 4-25-75 5-29-75 6-30-75 7-29-75 9-26-75 9-30-75	107 9.9 3.0 1.4 1.6 24 9.0
01350470 Little Schoharie Creek	Schoharie Creek	Lat 42°33'40", long 74°13'56", Albany County, at bridge on County Highway 10, just north of Cook Hill Road, 5.7 mi (9.2 km) northwest of Rensselaerville.	3.52	1970 1973-74	9-11-75	* .88
01351000 Fox Creek	Schoharie Creek	Lat 42°37'42", long 74°11'08", Albany County, 200 ft upstream from highway bridge at West Berne, 1.8 mi downstream from Switz Kill, and 3.5 mi southeast of Gallupville.	73.0	1924-32f 1962-68f 1972-74	9-11-75	*26
01351315 Cobleskill Creek	Schoharie Creek	Lat 42°41'20", long 74°24'21", Schoharie County, at highway bridge in Bramanville, 1.2 mi (1.9 km) downstream from highway bridge in Barnerville.	-	-	7-29-75	* 7.5
01351322 Cobleskill Creek	Schoharie Creek	Lat 42°41'05", long 74°22'29", Schoharie County, at highway bridge on road to Howes Cave, and 0.2 mi (0.3 km) downstream from Punch Kill.	-	-	7-29-75	* 7.5
01351330 Cobleskill Creek	Schoharie Creek	Lat 42°42'27", long 74°20'22", Schoharie County, at bridge on State Highway 30A at Central Bridge, and 0.6 mi (1.0 km) upstream from mouth.	-	1971	7-29-75	9.9
01354200 Sandsea Kill	Mohawk River	Lat 42°53'20", long 74°04'20", Schenectady County, at bridge on State Highway 58, at Pattersonville.	9.56	1957-62f 1964 1967 1972	8-28-75	* 0.40
01356310 Shakers Creek Tributary	Shakers Creek	Lat 42°45'01", long 73°46'54", Albany County, at culvert on Wade Road, 0.75 mi (1.2 km) west of Latham, and about 1.0 mi (1.6 km) upstream from mouth.	2.09	1960 1963-65 1970 1973-74	8-26-75	0
01358080 Hudson River Tributary #36	Hudson River	Lat 42°44'27", long 73°43'08", Albany County, 50 ft (15 m) downstream from Watervliet flood prevention reservoir, and 0.4 mi (0.6 km) north of Watervliet.	2.48	-	9-28-75	4.0
01359125 Van Rensselaer Creek	Little River	Lat 42°41'03", long 73°44'32", Albany County, on State Highway 377, 1.0 mi (1.6 km) south of junction of State Highways 378 and 377 in Menands.	0.64	1955 1963-65 1970 1973-74	8-26-75	* 1.6
01359270 Indian House Creek	Normans Kill	Lat 42°44'25", long 74°00'51", Albany County, at bridge on Dunnsville Road, 0.1 mi (0.2 km) north of intersection with U.S. Highway 20 at Dunnsville.	2.83	1963 1970 1973-74	9- 5-75	* .02
01359320 Bozen Kill	Normans Kill	Lat 42°42'50", long 74°02'47", Albany County, at bridge on Westfall Road, 1.1 mi (1.8 km) northwest of Altamont.	-	1970 1973-74	9- 8-75	* .96
01359325 Black Creek	Normans Kill	Lat 42°40'35", long 73°57'10", Albany County, at bridge on School Rd., 2.1 mi (3.4 km) northwest of Voorheesville.	-	1970 1973-74	9- 3-75	* <.1
01359330 Black Creek	Bozen Kill	Lat 42°43'14", long 73°59'44", Albany County, at mouth, 1.9 mi (3.1 km) northwest of Guilderland Center.	19.3	1962-63 1970 1973-74	9- 5-75	* <.1

f Operated as a crest-stage partial record station.

Operated as a continuous-record gaging station.

* Base flow measurement.

< Less than.

Discharge measurements made at miscellaneous sites during water year 1975--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Hudson River basin--Continued						
01359340 Bozen Kill	Normans Kill	Lat 42°43'21", long 73°59'33", Albany County, at bridge on State Highway 158, 0.7 mi (1.1 km) upstream from Watervliet Reservoir, and 1.9 mi (3.1 km) northwest of Guilderland Center.	51.8	1962-63 1965 1970 1973-74	9- 5-75	* 5.3
01359507 Hunger Kill	Normans Kill	Lat 42°43'25", long 73°55'06", Albany County, at culvert on Old State Road, 0.8 mi (1.3 km) upstream from Glass Pond, 1.3 mi (2.1 km) northwest of Guilderland.	3.91	1960 1970 1973-74	9- 5-75	* 5.3
01359517 Blockhouse Creek	Hunger Kill	Lat 42°41'08", long 73°54'05", Albany County, at bridge on State Highway 155, 0.15 mi (0.2 km) upstream from Kaikout Kill, 0.4 mi (0.6 km) upstream from mouth, and 1.4 mi (2.2 km) south of Guilderland.	1.96	1962-67 1970 1973-74	9- 4-75	* 1.8
01359518 Kaikout Kill	Blockhouse Creek	Lat 42°41'20", long 73°54'08", Albany County, at bridge on Foundry Road, 0.2 mi (0.3 km) upstream from mouth, and 1.2 mi (1.9 km) southeast of Guilderland.	1.55	1962-65 1970 1973-74	9- 4-75	* 2.5
013595205 Vly Creek	Normans Kill	Lat 42°38'56", long 73°56'09", Albany County at bridge on State Highway 85A at Voorheesville.	12.3	1970 1973-74	9- 3-75	* 2.3
01359524 Krum Kill	Normans Kill	Lat 42°38'56", long 73°50'51", Albany County, at bridge on Blessing Road, just upstream from mouth, at Karlsfeld.	5.58	1962-63 1970 1973-74	8-28-75	* 2.9
01359539 Normans Kill Tributary	Normans Kill	Lat 42°36'28", long 73°47'42", Albany County, at bridge on Bender Lane, 0.5 mi (0.8 km) north of Bethlehem Center.	1.24	1960 1962 1970 1973-74	8-28-75	* .10
01359585 Vloman Kill	Hudson River	Lat 42°37'27", long 73°54'16", Albany County, 70 ft (21 m) downstream from bridge on farm road, and 0.5 mi (0.8 km) south of New Scotland.	2.55	1962-64 1970 1973-74	9- 3-75	* .84
01359588 Phillipin Kill	Vloman Kill	Lat 42°36'49", long 73°52'35", Albany County, at bridge on Orchard Street, 1.0 mi (1.6 km) northeast of Unionville.	-	1970 1972-73	8- 7-74 9- 3-75	0 * .07
01359590 Phillipin Kill	Vloman Kill	Lat 42°35'24", long 73°50'49", Albany County, at bridge on State Highway 32, 0.7 mi (1.1 km) southwest of Houcks Corners, and 1.8 mi (2.9 km) northeast of Feura Bush.	-	1970 1973-74	8-28-75	* .06
01359592 Vloman Kill	Hudson River	Lat 42°33'54", long 73°49'48", Albany County, at bridge on Jericho Road, 0.25 mi (0.4 km) west of Mallorys Corners.	17.2	1965-67 1970 1973-74	8-28-75	* .92
01359634 Moordener Kill	Hudson River	Lat 42°33'27", long 73°39'30", Rensselaer County, at bridge on State Highway 150, 1.3 mi (2.1 km) west of East Schodack.	-	-	6- 3-75	6.5
01359643 Moordener Kill	Hudson River	Lat 42°33'27", long 73°39'30", Rensselaer County, at bridge on State Highway 150, 1.3 mi (2.1 km) west of East Schodack.	-	-	6- 3-75 9- 3-75	13 5.0
01359665 Moordener Kill	Hudson River	Lat 42°33'06", long 73°41'01", Rensselaer County, at bridge on State Highway 150, 0.3 mi (0.5 km) southwest of Schodack Center, and 0.5 mi (0.8 km) downstream from North Branch.	-	-	6- 3-75	13
01359753 Moordener Kill	Hudson River	Lat 42°32'22", long 73°44'50", Rensselaer County, at private bridge 0.1 mi (0.2 km) northeast of Castleton-on-Hudson, and 0.5 mi (0.8 km) upstream from mouth.	-	-	6- 3-75	18
01359830 Onesquethaw Creek	Coeymans Creek	Lat 42°33'49", long 73°55'50", Albany County, at bridge on State Highway 32, and 1.8 mi (2.9 km) southeast of Clarksville.	17.8	1952 1970 1973-74	9- 2-75	* 2.5
01359904 Feuri Spruyt	Coeymans Creek	Lat 42°31'40", long 73°50'50", Albany County, at bridge on County Highway 101, 0.25 mi (0.4 km) south of South Bethlehem.	-	1970 1973-74	8-28-75	* .02

* Base flow measurement.

Discharge measurements made at miscellaneous sites during water year 1975--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Date	Measurements Discharge (cfs)
Hudson River basin--Continued						
01359915 Hannacrois Creek	Hudson River	Lat 42°29'49", long 73°58'46", Albany County, at bridge on State Highway 32 and 143, 0.2 mi (0.3 km) upstream from Silver Creek, 0.8 mi (1.3 km) east of Dormansville, and 0.8 mi (1.3 km) upstream from Alcove Reservoir.	13.2	1963 1970 1973-74	9- 2-75	* 2.6
01359916 Silver Creek	Hannacrois Creek	Lat 42°28'24", long 73°59'17", Albany County, at culvert on Boomhower Road near Dormansville.	-	1970 1973-74	9- 2-75	* <.1
01359917 Silver Creek Tributary	Silver Creek	Lat 42°29'01", long 73°59'37", Albany County, at culvert on Boomhower Road at Dormansville.	.60	1970 1973-74	9- 2-75	* .40
01361102 Claverack Creek	Stockport Creek	Lat 42°15'10", long 73°39'56", Columbia County, 20 ft (6.1 m) downstream from confluence of Agawamuck and North Creeks in Mellenville.	-	-	6-11-75	*42
01361200 Claverack Creek	Stockport Creek	Lat 42°12'54", long 73°43'46", Columbia County, 70 ft (21.3 m) upstream from bridge on State Highway 9H, 0.5 mi (0.8 km) south of Claverack, and 2.2 mi (3.5 km) upstream from Taghkanic Creek.	60.6	1971 1973	6-10-75 6-11-75	56 *49
01361300 Taghkanic Creek	Claverack Creek	Lat 42°12'59", long 73°45'35", Columbia County, at bridge on County Highway 29, 0.2 mi (0.3 km) upstream from Loomis Creek, 0.9 mi (1.4 km) upstream from mouth and 1.5 mi (2.4 km) southwest of Claverack.	83.0	1949a 1956-61a 1964-65a	6-11-75	*44
01361340 Claverack Creek	Stockport Creek	Lat 42°18'44", long 73°44'34", Columbia County, at bridge on county road in Stockport, and 0.4 mi (0.6 km) upstream from mouth.	-	1971	6-11-75	126
01361465 Fox Creek	Catskill Creek	Lat 42°27'46", long 74°10'53", Albany County, at bridge on Pearson Road, 1.9 mi (3.1 km) upstream from mouth, and 1.9 mi (3.1 km) northeast of Preston Hollow.	3.43	1970 1973-74	9-10-75	* .08
01361480 Catskill Creek Tributary	Catskill Creek	Lat 42°26'11", long 74°09'08", Albany County, at bridge on Niles Road, 1.0 mi (1.6 km) west of Medusa.	6.58	1970 1973-74	9-10-75	* .07
01368495 Indigot Creek Tributary	Indigot Creek	Lat 41°25'16", long 74°31'08", Orange County, at bridge on Manning Road (Town of Mt. Hope, Route 12), 1.3 mi (2.1 km) upstream from mouth, and 1.6 mi (2.6 km) south of Mount Hope.	5.78	1973-74	10- 9-74 12-31-74 2-19-75 3-31-75 5- 8-75 6-20-75 7-31-75 9-11-75	1.7 8.1 5.3 20 8.4 3.6 1.1 .88
01368705 Wickham Lake Tributary	Wickham Lake	Lat 41°17'38", long 74°17'33", Orange County, at bridge on Kings Highway, at Lake, 0.6 mi (1.0 km) upstream from mouth, and 4.2 mi (6.8 km) northeast of Warwick.	0.68	1971-74	3-10-75 4-30-75 6-16-75 7-22-75 8-22-75	.27 .17 .08 .72 0
01368713 Wawayanda Creek	Pochuck Creek	Lat 41°16'44", long 74°18'20", Orange County, at bridge on State School Road, at Durland, 0.1 mi (0.2 km) downstream from Wickham Lake, and 2.5 mi (4.0 km) northeast of Warwick.	5.15	1967 1971-74	3-10-75 5- 2-75 6-16-75 7-22-75 8-22-75	10 4.9 3.9 18 1.5
01368722 Long House Creek	Wawayanda Creek	Lat 41°12'53", long 74°20'02", Orange County, at bridge on Cascade Road, 1.0 mi (1.6 km) downstream from Cascade Lake, and 3.0 mi (4.8 km) southwest of Bellvale.	8.35	1973-74	3-10-75 5- 1-75 6-16-75 7-22-75 8-29-75	12 6.6 13 51 5.9
01368724 Long House Creek	Wawayanda Creek	Lat 41°15'10", long 74°18'30", Orange County, at bridge on Iron Forge Road, at Bellvale, and 1.9 mi (3.1 km) upstream from mouth.	11.8	1971-74	3-10-75 5- 1-75 6-16-75 7-21-75 8-22-75	18 11 15 77 * 1.9
01368740 Warwick Reservoir Outlet Tributary	Warwick Reservoir Outlet	Lat 41°14'31", long 74°21'14", Orange County, at bridge on Ball Road, 0.5 mi (0.8 km) upstream from mouth, and 1.0 mi (1.6 km) from Warwick.	.56	1971-74	2-27-75 5- 2-75 6-11-75 7-21-75 8-20-75	5.1 .55 .29 1.7 .13

* Base flow measurement.
< Less than.

Discharge measurements made at miscellaneous sites during water year 1975--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Hudson River basin--Continued						
01368760 Wawayanda Creek Tributary	Wawayanda Creek	Lat 41°14'34", long 74°22'18", Orange County, at bridge on State Highway 94 (New Milford Road), 0.8 mi (1.3 km) upstream from mouth, and 1.2 mi (1.9 km) southwest of Warwick.	2.96	1971-74	2-27-75	11
					4-23-75	1.6
					6-11-75	.76
					7-21-75	9.2
					8-25-75	2.2
9-24-75	23					
01368810 Wawayanda Creek	Pochuck Creek	Lat 41°14'18", long 74°25'03", Orange County, at bridge on Ryerson Road at New Milford, and 0.2 mi (0.3 km) upstream Double Kill.	45.0	1971-74	3-10-75	70
					4-28-75	68
					6-11-75	32
					7-21-75	227
8-20-75	15					
01368840 Double Kill	Wawayanda Creek	Lat 41°14'10", long 74°24'58", Orange County, at bridge on Ryerson Road, at New Milford, and 0.3 mi (0.5 km) upstream from mouth.	15.6	1971-74	3-10-75	25
					5- 2-75	27
					6-11-75	11
					7-21-75	123
					8-20-75	4.0
01369650 Stony Creek	Wheeler Creek	Lat 41°18'06", long 74°23'14", Orange County, at bridge on Union Corners Road, 0.7 mi (1.1 km) upstream from mouth, and 2.6 mi (4.2 km) southwest of Florida.	2.62	1971-74	2-27-75	13
					4-22-75	1.6
					6-11-75	.85
					7-18-75	3.1
					8-21-75	.39
01369695 Coleman Ditch	Walkill River (Black Walnut Creek Channel)	Lat 41°17'37", long 74°26'10", Orange County, at bridge on Little York Road, 0.4 mi upstream from mouth and 1.4 mi east of Pine Island.	1.60	1971-74	2-27-75	9.6
					6-11-75	.88
					7-18-75	2.2
					8-21-75	.36
01370836 Dwaar Kill	Walkill River	Lat 41°35'14", long 74°16'14", Orange County, at bridge on Hill Ave, 2.3 mi (3.7 km) south-east of Pine Bush, and 2.8 mi (4.5 km) north-east of Searsville.	12.8	1973-74	10- 9-74	1.7
					12-31-74	19
					3-31-75	43
					5- 8-75	23
					6-20-75	6.7
					7-30-75	5.2
					9-11-75	5.3
01372948 Clove Creek	Fishkill Creek	Lat 41°28'50", long 73°54'35", Putnam County, on left downstream wing wall of bridge, on Mill Road, 1.6 mi (2.6 km) northeast of North Highland.			2-21-75	20
					3-14-75	19
					4- 2-75	29
					7-15-75	69
01373518 Black Meadow Creek	Otter Kill	Lat 41°19'59", long 74°19'10", Orange County, at bridge on Sugar Loaf-Florida Road (Pine Hills Road), 0.8 mi (1.3 km) downstream from unnamed tributary, and 2.0 mi (3.2 km) east of Florida.	3.47	1971-74	2-27-75	28
					4-22-75	2.0
					6-11-75	.99
					7-18-75	6.8
					8-21-75	.22
					9-24-75	49
01373580 Trout Brook	Seely Brook	Lat 41°16'36", long 74°15'01", Orange County, at bridge on Lake Road about 2.5 mi (4.0 km) southwest of Walton Park.	2.39	1964 1971-74	3-10-75	3.5
					4-20-75	3.1
					6-16-75	3.1
					7-22-75	11
					8-22-75	.79
01373855 Moodna Creek	Hudson River	Lat 41°27'25", long 74°02'24", Orange County, at bridge on Forge Hill Road, 0.9 mi (1.4 km) east of Vails Gate, 0.9 mi (1.4 km) upstream from bridge on U.S. Highway 9W, 1.6 mi (2.6 km) upstream from mouth, and 1.6 mi (2.6 km) south of New Windsor.			11- 9-73	24
01374130 Canopus Creek	Sprout Brook	Lat 41°22'43", long 73°52'23", Putnam County, at bridge on Horton Hollow Road, 0.4 mi (0.6 km) downstream from West Branch, and 0.8 mi (1.3 km) west of Oscawana Corners.		†	2-21-75	13
					3-14-75	14
					4- 2-75	21
					7-15-75	29
01374250 Peekskill Hollow Creek	Annsville Creek	Lat 41°23'18", long 73°48'47", Putnam County, on left downstream wing wall of bridge on Bryant Pond Road, 0.9 mi (1.4 km) southwest of Tompkins Corners, and 1.1 mi (1.8 km) downstream from Wicopee Brook.			2-21-75	26
					3-14-75	30
					4- 2-75	18
					4-17-75	20
					5-21-75	41
					7-15-75	36

† Operated as a crest-stage partial record station.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements made at miscellaneous sites during water year 1975--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Hudson River basin--Continued						
01374645 Lake Carmel Inlet	Lake Carmel	Lat 41°28'19", long 73°39'15", Putnam County, at culvert on State Highway 311, 0.3 mi (0.5 km) upstream from mouth and 0.4 mi (0.6 km) northeast of Kent Corners.	-	f	2-21-75	18
					3-14-75	19
					4- 2-75	28
					4-17-75	16
					7-15-75	78
01376430 Rum Brook	Saw Mill River	Lat 41°02'49", long 73°49'23", Westchester County, at bridge on Saw Mill River Road (State Highway 9A), 0.1 mi (0.2 km) south of Elmsford village line, and 0.2 mi (0.3 km) upstream from mouth.	0.93	1972	9-26-75	331
Hackensack River basin						
01376570 New City Brook	Hackensack River	Lat 41°10'09", long 73°58'46", Rockland County, at bridge on road north of Christie Airport 0.5 mi (0.8 km) east of Zukor Road, 0.8 mi (1.3 km) upstream from mouth, and 1.1 mi (1.8 km) north of New City.	-	1972-74	9-19-73	9.2
					11-28-73	9.6
					3-14-75	6.6
					4-16-75	7.0
					5-15-75	7.6
					6-23-75	3.4
					7-31-75	3.4
8-29-75	2.7					
01377180 Pascack Brook	Hackensack River	Lat 41°06'45", long 74°02'00", Rockland County, on road to Orange and Rockland substation, and 0.7 mi (1.1 km) east of Spring Valley.	2.13	1972-74	3-14-75	1.6
					4-16-75	1.8
					5-15-75	1.8
					6-23-75	1.8
					7-30-75	0
					8-25-75	9.3
Delaware River basin						
01417185 Campbell Brook Tributary	Campbell Brook	Lat 42°02'41", long 74°58'37", Delaware County, at culvert on Campbell Brook Road Left Fork, 200 ft (61 m) upstream from mouth, 2.0 mi (3.2 km) southwest of Downsville Dam, and 2.7 mi (4.3 km) southeast of Downsville.	0.41	f	9-27-75	1.4
01421200 Cadosia Creek	East Branch Delaware River	Lat 41°58'03", long 75°15'51", Delaware County, at bridge on State Highway 236, 0.3 mi (0.5 km) upstream from mouth, at Cadosia.	17.7	1949-50	5-14-74	118
					5-31-74	*14
					6-12-74	* 7.9
					1957-71	* 5.0
					1973	* 3.5
					7-11-74	* 3.4
					7-18-74	* 4.6
					7-26-74	* 1.7
					8- 6-74	* 3.6
					8-22-74	* 3.8
					9-17-74	*12
					5-20-75	* 9.3
					5-30-75	* 4.3
6-25-75	20					
7- 8-75	* 7.0					
7-25-75	* 3.2					
7-29-75	11					
8-13-75						
9-10-75	66					
01422530 Peaks Brook	West Branch Delaware River	Lat 42°15'58", long 74°57'24", Delaware County, at culvert on town road, 0.9 mi (1.4 km) upstream from mouth, and 2.0 mi (3.2 km) west of Delhi.	5.04	f	9-27-75	
01422800 West Brook	Delaware River	Lat 42°10'10", long 75°08'05", Delaware County, at bridge on State Highway 10, at Walton.	22.3	1957-61a 1964-65	8-22-74	e .5
01436050 Neversink River Tributary #3	Neversink River	Lat 41°48'05", long 74°37'53", Sullivan County, at culvert on town road, 0.2 mi (0.3 km) upstream from mouth, and 2.5 mi (4.0 km) northeast of Loch Sheldrake.	1.36	f	7-28-75	0.47
					9-27-75	5.2

f Operated as a crest-stage partial record station.

* Base flow measurement.

e Estimated.

a Operated as low-flow partial record station.

Discharge measurements made at miscellaneous sites during water year 1975--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Delaware River basin--Continued						
01436800 Bush Kill	Neversink River	Lat 41°30'34", long 74°39'20", Sullivan County, at timber bridge on dirt road, 0.4 mi (0.6 km) northwest of Oakland Valley.	19.5	1957-73	10-10-73	* 7.7
					4-11-74	75
					5-30-74	31
					6-11-74	*19
					7- 8-74	* 9.8
					7-16-74	* 5.2
					8-30-74	30
					5-28-75	29
					6-23-75	21
					7- 9-75	*11
					8-14-75	*10
					8-20-75	* 6.9
01438000 Neversink River	Delaware River	Lat 41°21'40", long 74°41'07", Orange County, at Tristates Bridge on East Main Street (U.S. Highway 6), in Port Jervis, 450 ft (137 m) upstream from Clove Brook, and 0.6 mi (1.0 km) upstream from mouth.	346	1902-03 [#]	10-17-74	485
					1943	543
					1945	2,800
					1960-74	1,720
					12-10-74	464
					12-23-74	542
					1-23-75	2,740
					2-26-75	1,580
					3-25-75	477
					4-14-75	555
					5-21-75	327
					6-23-75	256
7-29-75	137					
9- 8-75						
Susquehanna River basin						
01496363 Oquionis Creek	Canadarago Lake	Lat 42°51'13", long 74°59'30", Otsego County, on River Street in Richfield Springs, and 1.4 mi (2.2 km) upstream from Canadarago Lake.	20.0	1963-64	10-26-74	12
					1968-74	237
					4-19-75	14
					6- 5-75	* 5.6
					7- 2-75	* 6.2
01496370 Mink Creek	Canadarago Lake	Lat 42°50'55", long 75°00'11", Otsego County, at bridge on State Highway 28, 0.4 mi (0.6 km) southwest of Richfield Springs, and 1.0 mi (1.6 km) upstream from mouth.	10.4	1963	8-30-74	22
					1968-73	119
					4-19-75	8.0
					6- 5-75	* 1.1
					7- 2-75	* 3.6
01496390 Hyder Creek	Canadarago Lake	Lat 42°49'00", long 75°01'12", Otsego County, at bridge on State Highway 28, 0.4 mi (0.6 km) upstream from mouth, and 3.0 mi (4.8 km) southwest of Richfield Springs.	9.52	1963	10-26-74	2.8
					1968-74	132
					4-19-75	* .56
					7- 2-75	* 2.7
					9-16-75	
01496448 Herkimer Creek	Canadarago Lake	Lat 42°47'19", long 75°01'30", Otsego County, at bridge on State Highway 28, 0.5 mi (0.8 km) upstream from mouth, and 0.6 mi (1.0 km) north of Schuyler Lake.	12.0	1963	10-26-74	5.2
					1968-74	181
					4-19-75	* 1.2
					7- 2-75	* 4.0
					9-16-75	
01497800 Schenevus Creek	Susquehanna River	Lat 42°32'45", long 74°50'00", Otsego County, at bridge on Tannery Street, Schenevus.	57.8	1949	7- 2-75	*19
					1956-66 ^f	
01499000 Otego Creek	Susquehanna River	Lat 42°27'00", long 75°06'50", Otsego County, on right bank 1.5 mi south of West Oneonta, 1.7 mi upstream from mouth, and 2.7 mi west of Oneonta.	108	1940-68 [#] 1968-69	7- 2-75	*26
01501012 Mill Brook	Unadilla River	Lat 42°37'28", long 75°20'15", Chenango County, at bridge on town road in New Berlin, 0.1 mi (0.2 km) downstream from unnamed tributary, and 0.2 mi (0.3 km) upstream from mouth.	-	1974	7- 1-75	* .79
01503960 Electric Light Stream	Chenango County	Lat 42°52'51", long 75°38'37", Madison County, at bridge on road between Eaton and Morrisville, in Eagleville, 0.4 mi (0.6 km) upstream from mouth and 1.3 mi (2.1 km) south of Morrisville.	7.21	-	8-13-75	* 0.67
01507000 Chenango River	Susquehanna River	Lat 42°19'28", long 75°46'18", Chenango County, 0.3 mi (0.5 km) downstream from bridge on State Highway 206 at Greene, and 0.6 mi (1.0 km) downstream from Birdsall Brook.	593	1937-70 [#] 1970-74	6-28-72 3- 9-73 8-26-73 7-25-74 4-13-75 6-30-75 9-26-75	2,300 1,910 94 325 1,460 176 7,300

* Base flow measurement.

[#] Operated as a continuous-record gaging station.^f Operated as a crest-stage partial record station.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements made at miscellaneous sites during water year 1975--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Susquehanna River basin--Continued						
01507910 Tioughnioga Creek	East Branch Tioughnioga River	Lat 42°45'04", long 75°56'45", Cortland County, at highway bridge 1.0 mi (1.6 km) north of Cuyler and 1.0 mi (1.6 km) upstream from confluence with West Branch Tioughnioga Creek.	43.6	1973	7-27-73	8.4
					9-12-73	* 5.1
					9-27-73	* 7.7
					9-27-73	* 7.6
					10-25-73	* 7.6
6-17-74	18					
01513720 East Branch Nanticoke Creek	Nanticoke Creek	Lat 42°15'26", long 76°00'38", Broome County, at bridge on State Highway 26, in Glen Aubrey, and 3.6 mi (5.8 km) upstream from mouth.	15.4		2-25-75	222
					4-13-75	14
					5-21-75	* 9.6
					5-28-75	* 4.4
					6-18-75	* 2.5
					7-14-75	0.47
					8-6-75	0.88
					9-9-75	7.7
					9-24-75	126
					9-25-75	1,620
					9-26-75	1,010
9-27-75	133					
01513790 Nanticoke Creek	Susquehanna River	Lat 42°08'56", long 76°04'00", Broome County, at bridge on County Highway, at Union Center, 0.2 mi (0.3 km) upstream from Bradley Creek.	89.7	1955 1962-65† 1968	4-13-75	80
01516000 Cayuta Creek	Susquehanna River	Lat 40°00'32", long 76°31'33", Tioga County, at bridge on Ithaca Street, Waverly, and 2.4 mi (3.9 km) upstream from mouth.	140	1950-68† 1970-71 1974-75	6-11-75	121
01527110 Cohocton River	Chemung River	Lat 42°27'41", long 77°28'22", Steuben County, at bridge on road 1.6 mi (2.6 km) northwest of Wallace.			7-9-74	*22
01527493 Cohocton River	Chemung River	Lat 42°24'42", long 77°25'38", Steuben County, at bridge on U.S. Highway 15 in Avoca.			7-9-74	*42
01527500 Cohocton River	Chemung River	Lat 42°23'52", long 77°25'09", Steuben County, at highway bridge 0.1 mi (0.2 km) south of Avoca, and 0.8 mi (1.3 km) upstream from Salmon and Goff Creeks.	157	1938-45* 1972	7-9-74	*42
01528110 Cohocton River	Chemung River	Lat 42°22'13", long 77°21'59", Steuben County, at bridge on U.S. Highway 15 in Kanona, and 0.4 mi (0.6 km) downstream from Fivemile Creek.			7-9-74	*53
01528350 Cohocton River	Chemung River	Lat 42°18'44", long 77°16'41", Steuben County, at Morgan Bridge, 0.3 mi (0.5 km) upstream from Stocking Creek, and 1.5 mi (2.4 km) southeast of Bath.		1973	7-8-74	*77
01530380 Newtown Creek	Chemung River	Lat 42°10'20", long 76°44'01", Chemung County, at bridge in Breesport, 260 ft (79 m) upstream from Jackson Creek and 10.9 mi (17.5 km) upstream from gaging station 01530500 at Elmira.	20.6		2-25-75	284
01530390 Jackson Creek	Newtown Creek	Lat 42°10'24", long 76°44'04", Chemung County, at bridge on State Highway 223 in Breesport, 0.1 mi (0.2 km) upstream from mouth.			5-23-75	* 1.8
					6-12-75	4.1
					7-9-75	* .61
					7-31-75	* .57
					9-8-75	* 1.2
01530425 North Branch Newtown Creek	Newtown Creek	Lat 42°11'15", long 76°47'23", Chemung County, at bridge on State Highway 223, 0.1 mi (0.2 km) east of State Highway 13, 0.5 mi (0.8 km) upstream from mouth and 1.2 mi (1.9 km) east of Horseheads.			5-23-75	* 4.8
					6-12-75	14
					7-9-75	* 1.2
					7-31-75	* 1.9
					9-8-75	* 2.4
01530444 Beaver Brook	Newtown Creek	Lat 42°09'14", long 76°48'37", Chemung County, at downstream side of culvert under State Highway 14 and 17, 0.1 mi (0.2 km) upstream from mouth, 0.1 mi (0.2 km) east of Horseheads, and 0.2 mi (0.3 km) west of State Highway 13.	2.25		5-23-75	* 2.5
					6-12-75	2.3
					7-17-75	.77
					8-6-75	.93
					9-8-75	* .74

* Operated as a continuous-record gaging station.

† Operated as a crest-stage partial record station.

* Base flow measurement.

Discharge measurements made at miscellaneous sites during water year 1975--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Ohio River basin						
03010756 Ischua Creek	Olean Creek	Lat 42°19'15", long 78°27'52", Cattaraugus County, at bridge on State Highway 93 in Cadiz, 0.2 mi (0.3 km) upstream from Gates Creek, and 0.4 mi (0.6 km) south of Franklinville.	56.5		7- 8-75	*34
03010780 Ischua Creek	Olean Creek	Lat 42°11'37", long 78°22'53", Cattaraugus County, at bridge on Davis Road (Kent Road) 100 ft (30 m) west of State Highway 16, 0.9 mi (1.4 km) north of Maplehurst, and 1.9 mi (3.1 km) upstream from confluence with Oil Creek.	115	1967-68	7- 7-75 8-19-75	*53 21
030107811 Oil Creek	Olean Creek	Lat 42°13'34", long 78°16'42", Allegany County, at bridge on State Highway 305, at north side of Cuba, 0.5 mi (0.8 km) north of State Highway 408.			8-2-75	0.74
030107813 Tannery Creek	Oil Creek	Lat 42°13'22", long 78°16'42", Allegany County, at bridge on State Highway 305, in Cuba, and 0.3 mi (0.5 km) north of State Highway 408.			8-20-75	e 0.05
030107818 Griffin Creek	Oil Creek	Lat 42°11'58", long 78°16'32", Allegany County, at bridge on Haskell Road, 0.1 mi (0.2 km) southwest of State Highway 305, and 0.7 mi (1.1 km) south of Cuba.			8-20-75	* 0.72
030107821 West Branch Creek	Griffin Creek	Lat 42°11'43", long 78°16'43", Allegany County, at bridge on Haskell Road, 0.5 mi (0.8 km) southwest of State Highway 305, and 1.5 mi (2.4 km) south of Cuba.			8-20-75	0.33
030107826 Johnson Creek	Griffin Creek	Lat 42°12'16", long 78°16'31", Allegany County, at bridge on State Highway 305, 0.4 mi (0.6 km) south of Cuba, and 0.9 mi (1.4 km) south of State Highway 408.			8-20-75	0.15
030107865 Cuba Lake Outlet	Oil Creek	Lat 42°12'59", long 78°18'32", Allegany County, at mouth, 300 ft (90 m) south of State Highway 408 and 1.7 mi (2.7 km) west of Cuba.	25.9	-	7- 8-75 8-19-75	* 5.3 3.4
030107868 Oil Creek	Olean Creek	Lat 42°12'58", long 78°18'33", Allegany County, 50 ft (15 m) downstream from Cuba Lake Outlet, 300 ft (90 m) downstream from westbound bridge of new State Highway 17, and 1.1 mi (1.8 km) west of Cuba, at Allegany-Cattaraugus county line.	55.0	1958	7- 8-75	*11
03010793 Oil Creek	Olean Creek	Lat 42°10'47", long 78°22'25", Cattaraugus County, at bridge on Congress Street, 100 ft (30 m) south of State Highway 408, 0.4 mi (0.6 km) east of Maplehurst, 1.1 mi (1.8 km) northeast of Hinsdale, and 1.3 mi (2.1 km) upstream from mouth (confluence with Ischua Creek).	63.3	1953 1967-68	7- 7-75 8-19-75	*13 6.7
03010800 Olean Creek	Allegheny River	Lat 42°07'16", long 78°25'15", Cattaraugus County, on right bank at upstream side of highway bridge 1,000 ft (305 m) west of State Highway 16, 1.4 mi (2.3 km) north-east of Olean, and 4.6 mi (7.4 km) upstream from mouth.	198	1958-68* 1972	4-16-75 6-16-75 7- 7-75	383 1,310 80
03010810 Olean Creek	Allegheny River	Lat 42°05'17", long 78°25'40", Cattaraugus County, at bridge on old State Highway 16 in Olean, 1.0 mi (1.6 km) upstream from mouth, and 2.3 mi (3.7 km) downstream from Godfrey Hollow Branch.	about 225	1967-68 1971	7- 7-75	*68
03010820 Allegheny River	Ohio River	Lat 42°03'41", long 78°27'10", Cattaraugus County, on right bank at sewage plant, at Olean, 1.3 mi (2.1 km) upstream from Two-mile Creek, and 1.7 mi (2.7 km) downstream from Olean Creek.		1967-69 1971	9-13-71 8- 8-75	120 230

* Base flow measurement.
e Estimate.

* Operated as a continuous-record gaging station.

Discharge measurements made at miscellaneous sites during water year 1975--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Date	Measurements Discharge (cfs)
Ohio River basin--Continued						
03011000 Great Valley Creek	Allegheny River	Lat 42°10'40", long 78°41'40", Cattaraugus County, on left bank 0.3 mi (0.5 km) upstream from highway bridge, 1 mi (1.6 km) downstream from Hungry Hollow, 1 1/2 mi (2.4 km) northeast of Salamanca, and 2 mi (3.2 km) upstream from mouth.	137	1950-68# 1969	3-21-75	1,040
Streams Tributary to Lake Erie						
04213378 Canadaway Creek	Lake Erie	Lat 42°28'31", long 79°21'56", at bridge on State Highway 5, 0.25 mi (0.4 km) upstream from mouth, and 0.6 mi (1.0 km) west of City line of Dunkirk, N.Y.	40.0	1962-63 1967	3-20-75	277
04213437 Buttermilk Creek Tributary to Tributary No. 6	Buttermilk Creek Tributary No. 6	Lat 42°27'09", long 78°39'31", Cattaraugus County, at culvert on Rock Springs Road, 2.6 mi (4.2 km) northwest of Riceville.	1.07	-	6-19-75 7- 1 75	f520 e .1
04213445 Buttermilk Creek Tributary No. 6	Buttermilk Creek	Lat 42°27'45", long 78°39'17", Cattaraugus County, 400 ft (122 m) upstream from mouth, 2.5 mi (4.0 km) northwest of Riceville.	2.43	-	6-19-75	f820
04214020 Cattaraugus Creek	Lake Erie	Lat 42°34'05", long 79°06'16", Chautauqua County, at bridge on U.S. Highway 20 (State Highway 5), 0.5 mi (0.8 km) east of Irving, and 1.1 mi (1.8 km) upstream from mouth.	549	-	6-26-63 7- 5-63 7-12-63 6-29-64 9- 4-64 3-20-75 4-16-75 8- 4-75 9-10-75	141 146 116 129 134 6,800 1,730 393 279
04214240 Eighteenmile Creek	Lake Erie	Lat 42°42'45", long 78°58'00", Erie County, at bridge on Lake Shore Road, 0.5 mi upstream from mouth, and 0.6 mi northeast of Highland-on-the-Lake.	119	1951 1963-64f	1- 8-75 6- 4-75	147 118
Niagara River basin						
04216875 Little Tonawanda Creek Tributary	Little Tonawanda Creek	Lat 43°56'33", long 78°09'46", Genesee County, at culvert on Francis Road, 1.6 mi (2.6 km) upstream from mouth and 2.9 mi (4.7 km) south of city limits of Batavia.	-	-	8-20-75	0
04219645 Fourmile Creek	Niagara River	Lat 43°13'49", long 79°01'01", Niagara County, at culvert on Balmer Road, 200 ft (61 m) east of State Highway 18, 1.5 mi (2.4 km) southeast of Youngstown, and 3.4 mi (5.5 km) above mouth.	4.88	-	8-19-75	.24
Streams Tributary to Lake Ontario						
04219738 Eighteenmile Creek Tributary	Eighteenmile Creek	Lat 43°12'20", long 78°46'47", Niagara County, at culvert on Budd Road, 3.3 mi (5.3 km) northwest of Lockport and 4.1 mi (6.6 km) upstream from mouth.	2.53	-	8-19-75	0
04219922 Oak Orchard Creek	Lake Ontario	Lat 43°05'42", long 78°08'43", Genesee County, at culvert on Barrville Road, 2.3 mi (3.7 km) northeast of Elba and 6.0 mi (9.6 km) north of Batavia.	6.34	-	8-19-75	* .17
04219925 Oak Orchard Creek	Lake Ontario	Lat 43°06'46", long 78°07'39", Genesee County, at bridge on Strouts Road, at intersection with Watson Road, and 3.3 mi (5.3 km) northwest of Elba village line.	7.49	1974	9-30-75	.17
04220286 Fleming Creek	Slater Creek	Lat 43°14'31", long 77°38'16", Monroe County, at culvert on Denise Road, Rochester.	0.87	-	5-17-74	f 66
04221725 Genesee River	Lake Ontario	Lat 42°17'46", long 78°04'36", Alleghany County, at Transit Bridge, at intersection of State Highways 19 and 408, 0.3 mi (0.5 km) downstream from Angelica Creek and 2.3 mi (3.7 km) west of Angelica.	577	-	2-24-75 2-25-75 2-26-75 5-28-75 6- 5-75 6- 6-75	16,200 8,580 3,590 554 9,810 6,880

* Base flow measurement.

f Operated as a crest-stage partial record station.

Operated as continuous-record gaging station.

Discharge measurements made at miscellaneous sites during water year 1975--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Streams Tributary to Lake Ontario--Continued						
04224740 Sugar Creek	Canaseraga Creek	Lat 42°30'07", long 77°44'43", Livingston County, on downstream side of bridge on county road, 1.6 mi (2.6 km) upstream from mouth, and 3.4 mi (5.5 km) north of Canaseraga.	19.2	-	10-23-74 12- 4-74 1-31-75 2-19-75 2-24-75 2-25-75 4-22-75 7- 9-75 8-13-75	1.2 9.1 56 17 438 115 14 2.4 1.5
04224848 Stony Brook	Canaseraga Creek	Lat 42°31'20", long 77°41'42", Livingston County, at foot bridge in Stony Brook State Park 0.3 mi (0.5 km) south of the north (lower) park entrance, and 2.7 mi (4.3 mi) south of Dansville.	20.8	-	10-23-74 12- 3-75 2-24-75 2-25-75 4-22-75 6- 6-75 7- 8-75 8-14-75 9-15-75	4.8 16 557 128 16 168 7.7 5.5 14
04224978 Mill Creek	Canaseraga Creek	Lat 42°33'12", long 77°41'44", Livingston County, on downstream side of bridge on Knox Road in Dansville, and 0.9 mi (1.4 km) upstream from mouth.	35.9	-	10-24-74 12- 3-74 1-31-75 2-19-75 2-24-75 2-25-75 4-22-75 6- 6-75 7- 9-75 8-14-75 9-15-75	14 25 102 35 294 258 39 116 24 20 20
04225600 Bradner Creek	Canaseraga Creek	Lat 42°34'49", long 77°44'20", Livingston County, at bridge on old state highway, about 150 ft (46 m) upstream from State Highway 36, 2.7 mi (4.3 km) northwest of Dansville, and 8.5 mi (13.5 km) upstream from mouth.	7.45	1964-65a 1970-72a	10-24-74 12- 4-74 1-31-75 2-19-75 2-25-75 4-23-75 6- 7-75 7- 9-75 8-13-75	1.9 3.9 17 14 66 8.7 15 4.0 2.1
04225670 Bradner Creek	Canaseraga Creek	Lat 42°41'03", long 77°47'55", Livingston County, at bridge on Pioneer Road, 300 ft (90 m) upstream from the mouth and 1.7 mi (2.7 km) east of Sonyea.	16.5	-	12-12-74 2-19-75 4-23-75 7- 9-75 8-12-75	28 70 19 5.6 2.3
04225915 Keshequa Creek	Canaseraga Creek	Lat 42°35'19", long 77°55'14", Livingston County, at bridge on Bailey Road, 0.4 mi (0.6 km) northeast of Nunda.	32.6	-	10-24-74 12-12-74 2-25-75 6-11-75 7-10-75 8-12-75 9-16-75	7.6 40 102 24 7.6 4.9 6.6
04225950 Keshequa Creek	Canaseraga Creek	Lat 42°38'17", long 77°52'01", Livingston County, on downstream side of bridge on State Highway 258, 100 ft (30 m) downstream from tributary in Wildecut Gully and 0.5 mi (0.8 km) north of Tuscarora.	58.6	-	10-24-74 12-12-74 2-19-75 2-25-75 4-23-75 7-10-75 8-12-75 9-16-75	8.7 47 88 430 30 9.5 5.0 6.8
04228325 Little Conesus Creek	Conesus Creek	Lat 42°51'20", long 77°40'29", Livingston County, at bridge on South Lima Road and in South Lima, and 9.3 mi (15.0 km) upstream from mouth.	2.07	-	5- 7-75 7-25-75 9-25-75	6.3 .32 .94
04228370 Little Conesus Creek	Conesus Creek	Lat 42°53'14", long 77°40'03", Livingston County, on bridge on Cleary Road, 2.2 mi (3.5 km) north of South Lima.	7.39	-	5- 7-75 6-24-75 7-25-75 7-25-75 8-28-75 9-25-75	26 1.2 .75 .90 .44 .38

f Operated as a crest-stage partial record station.
 a Operated as a low-flow partial record station.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements made at miscellaneous sites during water year 1975--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge ^a (cfs)
Streams Tributary to Lake Ontario--Continued						
04228380 Little Conesus Creek	Conesus Creek	Lat 42°53'34", long 77°41'05", Livingston County, on downstream side of bridge on Bronson Hill Road, and 1.6 mi (2.6 km) southeast of E. Avon.	8.05		2-26-75	30
					3-18-75	20
					6-24-75	.80
					7-25-75	.68
					8-28-75	.47
		9-25-75	.53			
04230320 Oatka Creek		Lat 42°41'39", long 78°07'15", Wyoming County, at bridge on State Highway 19, 0.6 mi (0.9 km) north of Rock Glen, and 1.2 mi (1.9 km) southeast of South Warsaw.	16.0		10-31-74	2.6
					12- 9-74	18
					2-25-75	184
					2-26-75	50
					5- 6-75	30
					6-25-75	10
					7-23-75	3.6
					8-26-75	2.8
		9-23-75	2.5			
04230400 Oatka Creek	Genesee River	Lat 42°50'54", long 78°03'37", Wyoming County, on bridge on State Highway 19 at Pearl Creek, and 2 mi (3 km) north-east of Wyoming.	80.7	1961	12-10-74	128
					2-25-74	1,440
					5- 6-74	144
					6-25-74	31
					7-23-74	11
04230410 Pearl Creek	Oatka Creek	Lat 42°50'55", long 78°02'36", Wyoming County, at bridge on State Highway 19, 0.2 mi (0.3 km) east of Pearl Creek, and 1.0 mi (1.6 km) upstream from mouth.	10.9	1964-65a 1970-72a	10-31-74	0.86
					12-10-74	11
					2-18-75	39
					2-24-75	227
					2-25-75	101
					3-10-75	30
					5- 8-75	29
					6-25-75	6.2
					7-24-75	4.6
		8-27-75	.84			
04230423 Oatka Creek	Genesee River	Lat 42°55'43", long 78°02'20", Genesee County, on downstream side of bridge on Junction Road, 1.6 mi (2.6 km) northwest of Pavilion Center, and 3.7 mi (6.0 km) northwest of Pavilion.	111	-	10-31-74	12
					12-10-74	226
					2-19-75	261
					2-24-75	979
					2-26-75	1,160
					3-18-75	279
					5- 8-75	586
					6-25-75	51
					7-24-75	15
04230470 Mad Creek	Oatka Creek	Lat 42°58'47", long 77°57'00", Genesee County, at bridge on State Highway 5, 1.2 mi (1.9 km) east of LeRoy, and 2.3 mi (3.7 km) upstream from mouth.	10.1		12-10-74	26
					2-24-75	138
					3-18-75	30
					5- 8-75	14
					6-25-75	.94
					7-24-75	0
04231040 Hotel Creek	Black Creek	Lat 43°03'57", long 77°52'29", Monroe County, at bridge on Griffin Road, 3.0 mi (4.8 km) upstream from mouth, and 3.1 mi (5.0 km) southeast of Churchville.	4.57	-	8-21-75	* .22
04232087 Red Creek Tributary No. 16	Red Creek	Lat 43°13'31", long 76°42'23", Cayuga County, at culvert on town road, 1.3 mi (2.1 km) southeast of Red Creek.	2.90	-	8- 7-75	.27
04232170 Catherine Creek	Seneca Lake	Lat 42°13'56", long 76°50'32", Schuyler County, at bridge on Smith Road, 0.3 mi (0.5 km) north of Pine Valley.	14.5	1965	7- 8-75	* 4.2
					7-30-75	* 5.4
					9- 5-75	6.7
04232190 Catherine Creek	Seneca Lake	Lat 42°17'47", long 76°50'49", Chemung County, at bridge on Croton Road, 0.2 mi (0.3 km) north of Schuyler-Chemung County line, and 1.2 mi (1.9 km) north of Millport.	35.9	1965	9- 5-75	9.9
04232725 Fall Creek	Cayuga Lake	Lat 42°29'07", long 76°23'06", Tompkins County, at bridge 200 ft (71 m) west of State Highway 366 in Etna.	111	1963	10- 9-74	*55

* Operated as a continuous-record gaging station.

a Operated as a low-flow partial record station.

† Operated as a crest-stage partial record station.

Discharge measurements made at miscellaneous sites during water year 1975--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Streams Tributary to Lake Ontario--Continued						
04233250 Buttermilk Creek	Cayuga Inlet	Lat 42°25'02", long 76°31'28", Tompkins County, at bridge on State Highways 13 and 34, 0.2 mi (0.3 km) upstream from mouth, and 2.0 mi (3.2 km) southwest of Ithaca.	11.3	1961-62a 1964-68a 1972	10- 8-74	1.8
04233255 Cayuga Inlet	Cayuga Lake	Lat 42°25'38", long 76°31'19", Tompkins County, on left bank on upstream face of abutment of flood-control weir, 800 ft (244 m) upstream from unnamed tributary, 0.3 mi (0.5 km) east of Floral Avenue (NY Route 13 A), at Ithaca city line, and about 2.2 mi (3.5 km) upstream from mouth.	86.7	1915	9-25-70 12-14-70 5-10-72 5-11-72 10- 8-74	18 105 802 354 13
04233350 Sixmile Creek	Cayuga Inlet	Lat 42°26'03", long 76°30'15", Tompkins County, at bridge on Plain Street, Ithaca, 0.1 mi (0.1 km) downstream from bridge on Albany Street and 0.5 mi (0.8 km) upstream from mouth.	49.5	-	10- 8-74	5.3
04233624 Webster Brook	Fall Creek	Lat 42°38'33", long 76°20'32", Cayuga County, on right bank on upstream side of culvert on State Highway 90, 0.85 mi (1.37 km) west of Summer Hill and 3.8 mi (6.1 km) northeast of Groton.		-	12- 9-74 1-20-75 4- 1-75 5-13-75 6- 4-75 6- 6-75 7- 1-75 9-18-75 9-25-75	27 2.1 4.0 5.5 2.8 16 0.11 0.90 78
04233632 Fall Creek	Fall Creek	Lat 42°33'57", long 76°17'57", Tompkins County, on right bank on downstream side of culvert on county highway, 0.1 mi (0.2 km) north of Stevens Corners, and 1.0 mi (1.6 km) northwest of McLean.				
042340325 Trumansburg Creek	Cayuga Lake	Lat 42°33'30", long 76°37'37", Seneca County, at highway bridge, 200 ft (71 m) upstream from mouth at Camp Barton, 0.6 mi (1.0 km) downstream from State Highway 89 and 1.4 mi (2.2 km) northeast of Trumansburg.		-	10- 9-74	.04
042340588 Yawger Creek Tributary	Yawger Creek	Lat 42°54'41", long 76°39'46", Cayuga County, at culvert on Chamberlain Road, 3.5 mi (5.6 km) west of Auburn and 4.3 mi (6.9 km) upstream from mouth.		-	8- 6-75	e .06
04234302 Ganargua Creek	Erie (Barge) Canal	Lat 43°05'22", long 77°03'23", Wayne County, at bridge on Zurich Road, 2.5 mi (4.0 km) northeast of Newark, and 4.6 mi (7.4 km) upstream from mouth.		-	1-15-75	155
04234363 Erie (Barge) Canal Tributary No. 3		Lat 43°02'47", long 77°02'57", Wayne County, at culvert at intersection of Brumm and Sutton Roads, and 1.2 mi (1.9 km) east of Newark.	0.58	-	8- 7-75	e .02
04243430 Sconondoa Creek	Oneida Creek	Lat 43°05'01", long 75°32'31", Oneida County, at bridge on State Highway 234, 0.2 mi (0.3 km) downstream from Beaver Meadow Creek.	32.2	-	9-23-75	20
04243460 Sconondoa Creek	Oneida Creek	Lat 43°04'48", long 75°35'24", Oneida County, at bridge on Williams Street, at Sherill.	34.7	1970	9-23-75	20
04243490 Sconondoa Creek	Oneida Creek	Lat 43°05'40", long 75°37'33", Oneida County, at bridge on State Highway 365, at Oneida, and 1.0 mi (1.6 km) upstream from mouth.	36.1	1970	9-23-75	22
04243792 Cowaselon Creek	Canaseraga Creek	Lat 43°05'52", long 75°46'19", Madison County, at bridge on Hardwood Island Road at northwest Canastota village line and 0.1 mi (0.2 km) downstream from Owlville Creek.	55.1	-	9- 9-75	20

e Estimated

a Operated as a low-flow partial record station.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements made at miscellaneous sites during water year 1975--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Streams Tributary to Lake Ontario--Continued						
04243800 Cowaselon Creek	Canaseraga Creek	Lat 43°07'02", long 75°49'50", Madison County, at bridge on Gees Road, in Ontonago, 1.55 mi (2.5 km) north of Thruway, and 2.75 mi (4.4 km) southeast of Lakeport.	69.2	1964-69 1971	9- 9-75	24
04248110 Crooks Pond Tributary	Black Creek thru Crooks Pond	Lat 43°26'20", long 76°23'44", Oswego County, at bridge on Hay Fly Road, 1.7 mi (2.7 km) upstream from Crooks Pond and 4.9 mi (7.9 km) southeast of Oswego.	1.30	-	2-22-75 3-23-75 5-23-75 7-24-75 8-29-75	2.3 7.7 * 0.59 0.61 0.43
04249011 Wine Creek	Lake Ontario	Lat 43°27'43", long 76°28'43", Oswego County, at culvert on U.S. Highway 104, in Oswego, and 1.4 mi (2.3 km) upstream from mouth.	3.11	-	8- 5-75	* .52
042490673 North Branch Grindstone Creek	Grindstone Creek	Lat 43°29'31", long 76°05'41", Oswego County, on Hong Kong Road, 4.1 mi (6.6 km) upstream from confluence with South Branch Grindstone Creek, and 4.1 mi (6.6 km) southwest of Altmar.	11.2	-	8- 4-75	* 4.2
04252510 Mill Creek	Black River	Lat 43°29'13", long 75°19'50", Oneida County, in Boonville, 0.1 mi (0.2 km) downstream from State Highway 12, and 2.7 mi (4.3 km) upstream from mouth.	-	-	7-16-75 8- 5-75	* 1.8 .81
04252513 Mill Creek Tributary	Mill Creek	Lat 43°29'32", long 75°19'43", Oneida County, in Boonville, 700 ft (213 m) downstream from culvert on State Highway 12, 0.2 mi (0.3 km) upstream from mouth.	-	-	7-16-75	* .86
04252520 Mill Creek Tributary	Mill Creek	Lat 43°29'43", long 75°19'04", Oneida County, at Black River Canal maintenance bridge, 0.4 mi (0.6 km) upstream from mouth, and 0.5 mi (0.8 km) northeast of Boonville.	-	-	7-16-75 8- 5-75	e* .50 .49
04252525 Mill Creek	Black River	Lat 43°30'43", long 75°19'11", Oneida County, at bridge on Devoe Road, 0.5 mi (0.8 km) upstream from mouth, and 1.5 mi (2.4 km) north of Boonville.	-	-	7-16-75 8- 5-75	* 8.2 8.1
04258730 Black River	Lake Ontario	Lat 43°58'32", long 75°36'45", Jefferson County, at bridge on State Highway 26, in Carthage.	-	-	7- 9-69 4-22-71 4-30-71 8- 7-75	2,200 #17,900 9,740 1,320
Streams Tributary to St. Lawrence River						
04268350 Upper St. Regis Lake Tributary	Upper St. Regis Lake	Lat 44°23'58", long 74°15'42", Franklin County, staff gage at culvert on State Highway 30, 2.3 mi (3.7 km) south of Paul Smiths, and 2.7 mi (4.3 km) south of the junction of State Highways 30 and 192.	0.41	1972	10-26-72 4- 3-73 4- 7-73 4-19-73 5-21-73 5-21-73 6-18-73 7-19-73 7-18-73 8-14-73 10-16-73 11- 8-73 5- 7-74 6-13-74 7-23-74 8- 6-74 9- 9-74	0 .17 .09 0 .08 .08 0 0 .22 .01 .09 .02 .09 .02 0 .03 .01 .08 .49 .38
04268355 Tributary No. 2	Upper St. Regis Lake	Lat 44°24'16", long 74°15'31", Franklin County, staff gage at culvert on State Highway 30, 2.0 miles south of Paul Smiths and 2.4 miles south of the junction of State Highways 30 and 192.	0.44	1972-73	10-24-74 11-18-74 5-20-75	.08 .49 .38

e Estimate.

f Operated as a crest-stage partial record station.

* Base flow measurement.

Discharge measurements made at miscellaneous sites during water year 1975--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Streams Tributary to St. Lawrence River--Continued						
04268370 Lower St. Regis Lake Tributary	Lower St. Regis Lake	Lat 44°26'25", long 74°13'58", Franklin County, 54 ft upstream from bridge on State Highway 192 in hamlet of Paul Smiths Easy Street, and 0.8 mile east of Paul Smiths.	-	1972-73	10-24-74 11-18-74 4-17-75 5-20-75	1.2 1.4 1.3 1.8
04268382 Barnum Pond Outlet	Lower St. Regis Lake	Lat 44°27'00", long 74°16'05", Franklin County, staff gage at culvert on Jenkin Mountain Road, 0.5 mi (0.8 km) downstream from Barnum Pond, 0.6 mi (1.0 km) west of State Highway 30, and 0.9 mi (1.4 km) north of Paul Smiths.	-	-	9-27-74 10-17-74 11-18-74 4-17-75	2.4 1.6 2.2 2.1
04268385 Black Pond Outlet	Lower St. Regis Lake	Lat 44°25'56", long 74°17'56", Franklin County, staff gage on right bank, 62 ft upstream from dam on Black Pond, 70 ft upstream from Keese Mills Road, and 2.2 miles west of Paul Smiths.	-	1972-73	10-24-74 11-18-74 4-17-75 5-20-75	.72 1.9 2.0 7.3
04270800 English River	Chateaugay River	Lat 44°58'32", long 73°39'49", Clinton County, on right bank at downstream side of highway bridge, 1.6 mi upstream from unnamed tributary, 1.7 mi northwest of Mooers Forks, and 2.5 mi upstream from international boundary.	40.8	1957-59† 1975	4-18-75 4-28-75	378 208
04272512 Saranac River	Lake Champlain	Lat 44°19'27", long 74°07'56", Franklin County, at bridge on State Highway 3 and 365, in Saranac Lake, and 300 ft (91 m) downstream of dam on Lake Flower.	-	-	7-23-75	90
04272515 Saranac River	Lake Champlain	Lat 44°20'27", long 74°07'09", Essex County, along east side of State Highway 3 and 365, 0.4 mi (0.6 km) upstream from sewage disposal plant and 1.2 mi (1.9 km) northeast of Saranac Lake.	-	-	6-23-75	187
04272612 Saranac River	Lake Champlain	Lat 44°23'36", long 74°03'25", Essex County, at bridge on Moose Pond Road, 0.3 mi (0.5 km) downstream from Cold Brook and 1.4 mi (2.2 km) southeast of Bloomingdale.	-	-	6-24-75	256
04272615 Saranac River	Lake Champlain	Lat 44°24'18", long 74°01'50", Essex County, south of River Road, 0.9 mi (1.5 km) upstream from Franklin Falls Pond, and 2.3 mi (3.7 km) southeast of Bloomingdale.	-	-	7-23-75	150
04272681 North Branch Saranac River	Saranac River	Lat 44°32'34", long 74°04'24", Franklin County, at bridge on road between Blue Spruce Drive and Thatcherville Road, 0.1 mi (0.2 km) southeast of Mountain Pond, 1.0 mi (1.6 km) downstream from Mud Pond, and 1.0 mi (1.6 km) southwest of Loon Lake.	-	-	7-24-75	20
04272685 North Branch Saranac River	Saranac River	Lat 44°32'28", long 74°02'15", Franklin County, at bridge on State Highway 99, 0.9 mi (1.4 km) southeast of Loon Lake.	-	-	7-24-75	*31
04272690 North Branch Saranac River	Saranac River	Lat 44°33'51", long 74°00'27", Franklin County, at slab bridge on Goldsmith Road, and 2.5 mi (4.0 km) northeast of Loon Lake.	-	-	7-24-75	*36
04272700 North Branch Saranac River	Saranac River	Lat 44°35'33", long 73°52'34", Clinton County, at bridge on State Highway 3 and 365, and 2.0 mi west of Clayburg.	125	1956-61† 1966 1975	7-24-75	*72
04273960 Chubb River	West Branch Ausable River	Lat 44°16'28", long 73°58'26", Essex County, 0.3 mi (0.5 km) east of Lake Placid, 0.5 mi (0.8 km) downstream from Newman, and 1.0 mi (1.6 km) upstream from mouth.	-	-	7-24-75 8-12-75	17 16
04274000 West Branch Ausable River	Ausable River	Lat 44°18'40", long 73°55'00", Essex County, 4 mi (6.4 km) northeast of Lake Placid and 4 mi (6.4 km) downstream from Lake Placid Outlet.	116	-	6-25-75	*81

* Base flow measurement.

† Operated as a crest-stage partial record station.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements made at miscellaneous sites during water year 1975--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Streams Tributary to St. Lawrence River--Continued						
04274215 Beaver Brook	West Branch Ausable River	Lat 44°23'34", long 73°46'32", Essex County, at bridge on State Highway 86, 2.0 mi (3.2 km) east of Wilmington.	8.52	1966	7-24-75	.73
04274515 West Branch Ausable River	Ausable River	Lat 44°26'28", long 73°40'34", Essex County, at bridge on State Highway 9N, and 500 ft (152 m) upstream from the confluence with East Branch Ausable River, in Ausable Forks.			6-24-75	*121

* Base flow measurement.

HUDSON RIVER BASIN

Schoharie Creek Seepage Investigations

Two series of discharge measurements were made during 1975 on Schoharie Creek below the PASNY Blenheim-Gilboa pumped-storage power project during periods of controlled release to study channel gains and losses. The reach is 6,050 ft (1,840 m) long and extends from within 100 ft (30 m) downstream from the dam outlet structure, to 50 ft (15 m) downstream from gaging station, 01350180 Schoharie Creek at North Blenheim. Indicated gains or losses may be substantially in error as affected by small inaccuracies in open-channel measurements.

Discharge, in cubic feet per second

Site	Distance from 01350180 in feet (a)	Aug. 12, 1975		Sept. 18, 1975	
		Measured discharge	Gain or loss	Measured discharge	Gain or loss
		1	-6,000	40.1	-
2	-4,620	38.7	-1.4	2.54	+0.14
3	-3,370	36.6	-2.1	(c)	-
4	-2,500	34.5	-2.1	(c)	-
5	-1,950	33.1	-1.4	(c)	-
6	(b)	0.03	-	0	-
7	-1,380	35.5	+2.4	2.56	+ .02
8	- 75	32.5	-3.0	1.70	- .86
9	0	-	-	-	-
10	+ 50	31.7	-0.8	1.22	- .48

a negative is upstream, positive is downstream from site 9 (gaging station 01350180 Schoharie Creek at North Blenheim).

b tributary entering from left, looking downstream, at site 7.

c essentially no flow.

West Branch Tioughnioga River Seepage Investigations

A series of discharge measurements was made May 20, 1975 on West Branch Tioughnioga River and Factory Brook, to study channel gains and losses. The reach is 8.4 mi (13.5 km) in length and extends from culvert on Preble Road near Preble to the recording gage, West Branch Tioughnioga River at Homer (01508803), 3.4 mi (5.5 km) upstream from confluence with East Branch. Duration figure based on records for the gaging station on Tioughnioga River at Cortland (01509000). Tributary flow was considered a contribution and not a gain, limited by available information. Indicated gains or losses may be substantially in error as affected by small inaccuracies in open-channel measurements.

The measurements on each stream are listed in order proceeding downstream, and the tributary is inserted in the order in which it enters the main stream.

Site no	Distance upstream from mouth of river (miles)	Site Location	Discharge, in cubic feet per second		
			Drainage area (sq mi)	Measured discharge	Gain or loss
01508650	11.8	West Branch Tioughnioga River at Preble	23.7	44.2	-
01508652	10.8	West Branch Tioughnioga River near Preble	24.8	43.7	- 0.5
01508705	7.3	West Branch Tioughnioga River near Homer	50.0	75.1	+31.4
*01508800	4.8	Factory Brook at State Highway 281, Homer	15.8	18.8	-
01508802	3.9	Factory Brook at State Highway 11, Homer	16.1	19.9	+ 1.1
*01508803	3.4	West Branch Tioughnioga River at Homer	71.5	100.2	+ 5.2

* Partial record site
 * Recording stream gaging station

SUSQUEHANNA RIVER BASIN

Dry Creek Seepage Investigation

Seven series of discharge measurements were made between August 1972 and May 1975 on Dry Creek and its major tributary, Blue Creek, to study channel gains and losses. The reach is 3.1 mi (5.0 km) in length and extends from a point just downstream from a small pond and unnamed tributary northeast of Kinney Gulf Ford and 0.2 mi (0.3 km) upstream from Sweeney Road, to the mouth, lat 42°36'55", long 76°10'55". Duration figures are based on records for the gaging station on Tioughnioga River at Cortland (01509000). Tributary flow was considered a contribution and not a gain. Indicated gains or losses may be substantially in error as affected by small inaccuracies in open-channel measurements.

The measurements are listed in a downstream direction along the main stream, and sites on tributaries are listed between stations on the main stem.

Site no	Discharge in cubic feet per second									
	Measured or discharge loss	Gain or discharge loss	Measured or discharge loss	Gain or discharge loss	Measured or discharge loss	Gain or discharge loss	Measured or discharge loss	Gain or discharge loss	Measured or discharge loss	Gain or discharge loss
	August 17, 1972 at 60% duration	Sept. 17, 1972 at 70% duration	*March 26, 1973 at 8% duration	*April 16, 1973 at 15% duration	Sept. 1, 1973 at 90% duration	June 13, 1974 at 60% duration	May 20, 1975 at 35% duration			
01508902	-	-	14.1	-	-	-	-	-	-	-
01508905	0.98	-	0.66	-	7.6	-	0.21	-	0.27	-
01508910	-	-	26.6	-	5.6	-	0.10	-	0.81	-
01508911	-	-	-	-	6.6	-1.0	-	-	-	2.80
01508913	-	-	-	-	8.1	+1.5	0.22	+1.2	1.78	+0.97
015089132	-	-	-	-	-	-	-	-	-	2.21
01508914	-	-	24.7	-1.9	10.4	+2.3	0.02	-0.20	0.90	-0.88
01508915	1.13	+0.15	0.32	-0.34	18.3	+0.3	0.21	-0.02	2.67	+1.50
01508918	1.69	+0.56	0.55	+0.23	46.7	+7.9	17.1	-1.2	0.29	+0.08
01508925	0.63	-1.06	0	-0.55	41.2	-5.5	14.8	-2.3	0	-0.29

Note.--Base flow conditions except on dates indicated by *

	Distance upstream from mouth (miles)	Drainage area (sq mi)
01508902	Dry Creek and tributary	
	Dry Creek off Kinney Gulf Road nr Cortland (above Sweeney Road)	3.1
01508905	Dry Creek near Cortland (at Sweeney Road)	2.9
01508910	Blue Creek near Cortland (at Cosmos Hill)	3.7
01508911	Blue Creek at Blue Creek near Cortland	3.0
01508913	Blue Creek at Cortland (at Kinney Gulf Road)	2.5
015089132	Blue Creek below Kinney Gulf Road at Cortland (at infiltration zone)	2.3
01508914	Blue Creek at mouth at Cortland	2.2
01508915	Dry Creek below Blue Creek	2.1
01508918	Dry Creek above Cortland (at State Highway 281)	1.3
01508925	Dry Creek at Hamlin St. at Cortland	0.6

SUSQUEHANNA RIVER BASIN

Otter Creek Seepage Investigations

Two series of discharge measurements were made during the 1975 water year on Otter Creek and its tributaries, to study channel gains and losses. The reach is 7.6 mi (12.2 km) in length and extends from Blodgett Mills Road, 1.5 mi (2.4 km) south of Cortland, lat 42°33'56", long 76°09'58", to the mouth, lat 42°36'32", long 76°10'51". Duration figures are based on records for the gaging station Tioughnioga River at Cortland (01509000). Tributary flow was considered a contribution and not a gain. Indicated gains or losses may be substantially in error as affected by small inaccuracies in open-channel measurements.

The measurements on each stream are listed in order proceeding downstream, and each tributary is inserted in the order in which it enters the main stream.

Site No	Distance upstream from mouth of Otter Cr (miles)	Otter Creek	Drainage area sq mi	Discharge, in cubic feet per second			
				Measured discharge	Gain or loss	Measured discharge	Gain or loss
015089321	7.6	nr Blodgett Mills	0.17			0	-
01508933	6.9	at Page Green Road near Cortland	.68			<.01	-
01508934	7.2	tributary No. 2 at Page Green Road nr Cortland	.45			0	-
015089342	6.9	tributary No. 2 at Ely Road nr Cortland	.59			.02	+0.02
015089347	6.9	tributary No. 3 at Ely Road nr Cortland	.10			0	-
01508935	6.0	at State Highway 90 nr Cortland	1.98			.10	+0.07
015089354	5.6	tributary No. 4 at Gallagher Road nr Cortland	0.46			.04	-
015089356	6.6	tributary No. 7 at Webb Road nr South Cortland	0.74			<.01	-
015089358	6.5	tributary No. 7 at Sherman Road nr South Cortland	0.91			>0	-<.01
015089362	5.4	tributary No. 6 at South Cortland	0.46			.11	-
015089365	4.7	tributary No. 5 at Gallagher Road at South Cortland	0.33			.21	-
01508937	4.4	at Bennie Road at South Cortland	6.51			0	-0.46
015089378	3.6	at State Highway 13 at Munsons Corners	7.27			0	0
01508938	3.4	at State Highway 281 at Cortland	7.34			0	0
01508940	3.1	at McLean Road nr Cortland	8.98	7.42	-	0	0
01508945	4.1	tributary at Sears Road nr Cortland	2.58	.86	-	-	-
01508948	3.2	tributary at Fairview Drive nr Cortland	3.18	.46	-0.40	0	0
01508951	2.1	at State Highway 281 above Cortland	13.52	9.91	+2.03	0	0
01508954	1.1	below Cortland Water Works at Cortland	13.97	-	-	.10	+1.0
01508955	0.8	at State Highway 222 at Cortland	14.05	10.16	+2.5	.01	-0.09
01508960	0.2	at North Main Street at Cortland	14.26	10.52	+3.6	0	-0.01
01508962	0	at mouth, at Cortland	14.28	-	-	0	0

SUSQUEHANNA RIVER BASIN

Gridley Creek Seepage Investigations

A series of discharge measurements was made May 20, 1975 on Gridley Creek and its tributaries, to study channel gains and losses. The reach is 6.2 mi (10.0 km) in length and extends from a point 1.1 mi (1.8 km) east of Virgil, New York, and 0.4 mi (0.6 km) east of the north-south drainage divide between the Susquehanna River and Lake Ontario basins, to the mouth, lat 42°29'25", long 76°04'24". The measurements were made during a period of constant base flow of the streams. Duration figure based on records for Cayuga Inlet near Ithaca, N.Y. (04233000). Tributary flow was considered a contribution and not a gain. Indicated gains or losses may be substantially in error as affected by small inaccuracies in open-channel measurements.

The measurements on each stream are listed in order proceeding downstream, and each tributary is inserted in the order in which it enters the main stream.

Site no	Distance upstream from mouth of Gridley Cr (miles)	Gridley Creek	Drainage area (sq mi)	Discharge, in cubic feet per second		
				Measured discharge	Gain or loss	Gain or loss
01509104	7.6	at Page Green Rd nr Blodgett Mills	1.63	1.8		
01509108	6.7	near Blodgett Mills	2.96	2.8	+1.0	
01509110	5.8	above Page Green Road nr Virgil	3.46	4.1	+1.3	
01509115	6.2	tributary No. 3 nr Virgil	0.35	0.4	-	
01509116	6.2	tributary to tributary No. 3 near Virgil	0.10	0.5	-	
01509118	5.8	tributary No. 3 at mouth nr Virgil	0.53	2.2	+1.3	
01509120	5.6	at Page Green Road nr Virgil	4.26	6.3	0	
01509125	5.2	at State Highway 90 nr Virgil	4.67	7.2	+0.9	
01509127	5.1	tributary nr Virgil (at State Highway 90)	2.56	3.2	-	
01509135	4.4	at Greek Peak nr Virgil	7.74	14.3	+3.9	
01509145	3.9	tributary No. 2 nr East Virgil	1.87	2.8	-	
01509150	3.6	above East Virgil	10.4	18.8	+1.7	
01509190	2.0	at State Highway 90 nr Virgil	12.3	23.2	+4.4	
01509200	0.1	at Messengersville	16.1	27.5	+4.3	

STREAMS TRIBUTARY TO LAKE ONTARIO

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Virgil Creek Seepage Investigations

A series of discharge measurements was made May 20, 1975 on Virgil Creek and its tributaries, to study channel gains and losses in the vicinity of the village of Virgil, N.Y. The reach is 2.9 mi (4.7 km) in length and extends from a point 1.9 mi (3.1 km) north to a point 0.5 mi (0.8 km) south of Virgil. Gaging station, Virgil Creek at Freeville, N.Y. (04233700) is located 11.8 mi (19.0 km) downstream from the reach. The measurements were made during a period of constant base flow of the streams. Duration figure based on records for Fall Creek near Ithaca, N.Y. (04234000). Tributary flow was considered a contribution and not a gain. Indicated gains or losses may be substantially in error as affected by small inaccuracies in open-channel measurements.

The measurements on each stream are listed in order proceeding downstream, and each tributary is inserted in the order in which it enters the main stream.

Site no	Distance upstream from mouth of Virgil Creek (miles)	Distance and direction from Virgil (main intersection)	Virgil Creek	Discharge in cubic feet per second		
				Drainage area (sq mi)	Measured discharge	Gain or loss
042336540	14.8	2.1 mi north	near Virgil	0.63	.44	-
042336551	13.1	.3 mi north	above Virgil	2.35	2.49	+ 2.05
042336553	12.7	.1 mi east	at Virgil	2.50	2.08	- .41
042336557	13.3	.9 mi northeast	tributary to tributary No. 4 at Virgil	0.23	.25	
042336559	12.6	.5 mi east	tributary No. 4 at N.Y. 90, Virgil	0.96	.52	+ .27
042336560	12.4	.3 mi southeast	tributary No. 4 at Shultz Road, Virgil	1.48	.45	- .07
042336563	11.8	.5 mi south	below Virgil	4.56	.19	- 2.34
042336565	11.9	.5 mi south	tributary No. 5 at Virgil	0.39	3.43	-
	11.7	.5 mi south	below tributary No. 5 at Virgil		*3.62	0

*Sum of discharge of Virgil Creek below town of Virgil and Virgil Creek Tributary No. 5 at Virgil

WATER QUALITY RECORDS

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NORTH ATLANTIC SLOPE BASINS

HOUSATONIC RIVER BASIN

01200000 TENMILE RIVER NEAR GAYLORDSVILLE, CONN.

LOCATION.--Lat 41°39'32", long 73°31'44", Dutchess County, New York, at gaging station 0.1 mi (0.2 km) downstream from Deuel Hollow Brook, 1.2 mi (1.9 km) upstream from New York-Connecticut state line, 1.7 mi (2.7 km) upstream from mouth, and 2.5 mi (4.0 km) northwest of Gaylordsville.

DRAINAGE AREA.--203 mi² (526 km²).

PERIOD OF RECORD.--Chemical analyses: October 1958 to September 1959, October 1972 to May 1975 (discontinued).
Water temperatures: October 1958 to September 1959.

REMARKS.--New York State Water Quality Surveillance Network station number 16 1002.

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
OCT. 22...	1830	115	150	60	41	17	6.0	2.0	182	7	161	15
NOV. 15...	1200	238	250	30	34	13	5.1	2.0	164	0	135	9.2
DEC. 17...	1130	568	520	70	29	12	4.1	1.1	128	0	105	17
JAN. 09...	1100	362	2000	90	35	15	4.7	.6	152	0	125	17
FEB. 12...	1045	376	150	20	38	15	5.6	1.5	161	0	132	19
MAR. 26...	1030	800	360	30	30	12	4.0	1.4	126	0	103	18
APR. 10...	0900	560	300	20	28	12	4.2	1.2	125	0	103	16
MAY 07...	1710	394	500	40	32	13	4.5	1.6	139	0	114	15

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO-PHOSPHORUS (P) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	FIXED NON-FILT-RABLE RESIDUE (MG/L)
OCT. 22...	12	.57	.03	.60	.08	.15	.23	.83	.04	.04	1	0
NOV. 15...	3.8	.60	.00	.60	.11	.17	.28	.88	.06	.03	6	2
DEC. 17...	7.0	.87	.00	.87	.07	.19	.26	1.1	.04	.02	15	10
JAN. 09...	9.3	.87	.01	.88	.03	.44	.47	1.4	.09	.02	44	35
FEB. 12...	11	1.4	.00	1.4	.01	.19	.20	1.6	.02	.02	6	3
MAR. 26...	9.6	.92	.01	.93	.01	.13	.14	1.1	.04	.01	10	6
APR. 10...	7.9	.94	.01	.95	.01	.34	.35	1.3	.02	.01	3	2
MAY 07...	7.1	.41	.01	.42	.01	.28	.29	.71	.03	.01	16	13

DATE	TOTAL RESIDUE (MG/L)	RESIDUE ON IGNITION (MG/L)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 22...	212	202	410	8.1	8.0	20	2	12.6	103	10	6.4
NOV. 15...	195	143	340	8.3	7.0	20	3	13.9	111	10	8.4
DEC. 17...	167	126	310	7.9	3.0	2	6	14.1	105	9	3.6
JAN. 09...	206	169	340	8.0	2.5	4	20	14.4	115	10	4.0
FEB. 12...	198	143	345	8.0	.0	6	2	14.2	102	4	1.6
MAR. 26...	175	147	278	7.9	2.0	14	4	14.3	104	6	2.5
APR. 10...	163	129	269	8.1	4.0	5	2	13.2	101	6	1.5
MAY 07...	173	159	278	8.9	15.0	7	2	13.2	129	11	3.0

STREAMS ON LONG ISLAND

01303000 MILL NECK CREEK AT MILL NECK, N.Y.

LOCATION.--Lat 40°53'15", long 73°33'51", Nassau County, at gaging station on right bank at Beaver Dam, 30 ft (9 m) upstream from Feeks Lane (Cleft Road) bridge in Mill Neck, and 1.5 mi (2.4 km) southwest of Bayville.

DRAINAGE AREA.--About 11.5 mi² (30 km²).

PERIOD OF RECORD.--Chemical analyses: October 1970 to September 1975.

REMARKS.--Miscellaneous chemical analyses 1966 to 1970 water years.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
OCT. 18...	1000	10	7.8	440	50	11	3.8	8.0	1.3	26	0
NOV. 01...	1000	8.4	8.8	530	130	10	3.5	9.0	1.1	30	0
DEC. 06...	1045	8.4	9.7	530	80	23	35	310	13	29	0
JAN. 08...	1230	9.6	10	330	40	9.3	4.4	15	1.5	25	0
FEB. 04...	1100	7.7	10	370	40	10	4.4	12	1.7	25	0
MAR. 03...	1300	7.7	9.4	430	40	10	3.8	13	1.4	25	0
26...	1045	8.8	9.1	940	110	9.6	4.0	12	1.4	30	0
APR. 28...	1400	8.8	5.9	610	60	9.8	3.5	11	1.3	29	0
MAY 30...	0945	7.0	6.6	1100	110	9.5	4.4	13	1.6	40	0
JUNE 27...	0915	7.4	5.5	820	110	10	4.2	11	1.5	39	0
JULY 31...	1130	8.4	6.1	570	60	11	3.8	9.7	1.5	29	0
AUG. 28...	1045	8.0	6.2	310	30	11	4.4	9.2	1.2	30	0
SEP. 29...	1130	11	6.9	430	50	9.5	3.4	8.1	1.7	27	0

DATE	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KjFED-NITROGEN (N) (MG/L)
OCT. 18...	21	16	12	.1	.72	--	.03	.01	.22	.16	.38
NOV. 01...	25	15	12	.1	.51	.50	.01	.01	.16	.27	.45
DEC. 06...	24	88	540	.1	1.2	1.2	.01	.01	.38	.29	.67
JAN. 08...	21	17	24	.1	1.1	--	.01	.01	.03	.28	.31
FEB. 04...	21	17	19	.1	1.4	1.1	.01	.01	.04	.19	.23
MAR. 03...	21	19	20	.2	1.2	.80	.02	.01	.11	.29	.40
26...	25	16	19	.1	1.1	1.1	.02	.02	.15	.39	.54
APR. 28...	24	16	17	.1	.78	--	.02	.02	.00	.36	.36
MAY 30...	33	15	21	.2	.26	.25	.01	.01	.09	.75	.84
JUNE 27...	32	15	16	.1	.16	.14	.02	.01	.08	1.1	1.2
JULY 31...	24	13	14	.1	.19	.18	.01	.01	.00	1.0	1.0
AUG. 28...	25	18	14	.1	3.1	.40	.01	.01	.06	.72	.78
SEP. 29...	22	12	14	.1	.50	.47	.02	.02	.00	.34	.34

STREAMS ON LONG ISLAND

01303000 MILL NECK CREEK AT MILL NECK, N.Y.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	METHYLFINE SURFACTANT (MG/L)
OCT. 18...	1.1	.04	.01	76	43	22	130	7.0	11.0	8.0	.0
NOV. 01...	.97	.05	.02	77	39	15	140	7.6	14.0	7.7	.0
DEC. 09...	1.9	.04	.01	1040	200	140	1900	7.1	2.0	9.7	.1
JAN. 08...	1.4	.04	.01	100	43	22	175	6.8	3.0	12.4	.1
FEB. 06...	1.6	.03	.01	92	43	23	160	6.6	1.0	11.9	.0
MAR. 03...	1.6	.06	.10	92	41	20	165	7.0	2.0	12.0	.0
APR. 24...	1.6	.06	.00	91	40	16	180	7.2	9.0	8.3	.0
MAY 28...	1.2	.04	.02	82	39	15	155	8.8	15.0	10.0	.1
JUNE 30...	1.1	.07	.02	92	42	9	178	7.5	23.0	5.7	.0
JULY 27...	1.4	.09	.02	83	42	10	185	7.5	24.0	4.6	.0
AUG. 31...	1.2	.04	.03	74	43	19	134	8.6	28.0	8.0	.1
SEP. 28...	3.9	.05	.04	81	46	21	165	7.6	23.0	6.1	.0
SEP. 29...	.86	.05	.01	71	38	16	135	7.5	19.0	9.1	.0

STREAMS ON LONG ISLAND

01304500 PECONIC RIVER AT RIVERHEAD, N.Y.
(National Stream-Quality Accounting Network Station)

LOCATION.--Lat 40°54'49", long 72°41'14", Suffolk County, specific conductance and water temperature recorders at gaging station 200 ft (61 m) downstream from Long Island Lighting Company dam, 0.4 mi (0.6 km) west of Riverhead, and 1.2 mi (1.9 km) upstream from outlet of Sweezy Pond.

DRAINAGE AREA.--About 75 mi² (194 mi²).

PERIOD OF RECORD.--Chemical analyses: Water years 1966-74 (partial-record station), November 1974 to September 1975. Water temperatures: June to September 1975.

EXTREMES.--1975
Water temperatures: Maximum, 29.0°C Aug. 2.

REMARKS.--Specific conductance and water temperature records began June 1975. Specific conductance record unreliable June 1-9, 15-July 1, Aug. 9 to Sept. 19.

CHEMICAL ANALYSES, NOVEMBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)
NOV.												
29...	1100	22	6.7	7.5	2.4	7.0	1.5	21	0	17	13	10
DEC.												
30...	1200	38	6.3	6.7	2.1	6.0	1.0	11	0	9	13	9.1
31...	1015	38	6.5	5.5	2.0	6.0	1.2	13	0	11	13	7.8
JAN.												
06...	1130	35	6.3	6.1	2.0	6.3	1.2	11	0	9	12	7.9
FEB.												
06...	1115	54	5.0	4.3	1.7	6.0	1.5	11	0	9	7.4	9.6
MAR.												
05...	0930	54	4.0	6.0	1.8	5.6	1.2	11	0	9	12	9.1
APR.												
03...	1100	49	4.4	7.4	2.1	6.3	1.3	13	0	11	10	10
07...	1100	60	4.4	5.5	1.9	6.1	1.2	13	0	11	11	10
30...	1230	56	3.7	8.0	2.2	6.1	1.2	17	0	14	11	11
JUNE												
04...	1000	54	6.5	5.9	1.6	6.2	1.3	16	0	13	7.3	10
JULY												
01...	1100	40	6.2	6.2	2.1	6.4	1.3	17	0	14	10	9.5
01...	1230	40	5.9	6.3	1.7	6.5	3.1	16	0	13	10	8.6
29...	0945	42	4.1	5.9	2.0	7.0	1.2	17	0	14	8.7	8.2
AUG.												
26...	1000	28	5.1	9.0	2.5	6.4	1.4	19	0	16	11	11
SEP.												
30...	1000	50	5.0	7.0	2.1	6.4	1.8	17	0	14	11	10

DATE	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
NOV.												
29...	62	59	29	11	128	6.6	3.0	2	--	--	--	6.3
DEC.												
30...	--	50	25	16	87	6.5	4.0	--	8.5	--	--	--
31...	--	49	22	11	80	6.3	5.0	--	11.8	--	--	--
JAN.												
06...	42	47	23	14	110	6.5	3.0	1	9.5	<1	<1	--
FEB.												
06...	49	41	18	9	77	6.6	2.0	1	12.4	E7	74	--
MAR.												
05...	47	45	22	13	76	6.2	2.0	2	12.6	E7	93	6.6
APR.												
03...	58	50	27	16	85	5.7	9.0	2	11.2	330	27	--
07...	--	47	22	11	85	6.9	4.0	--	11.3	--	--	--
30...	54	52	29	15	80	6.7	15.0	3	7.7	24	810	6.4
JUNE												
04...	62	47	21	8	88	6.7	20.0	2	5.2	80	51	--
JULY												
01...	--	50	24	10	95	6.2	20.0	--	6.0	--	--	--
01...	69	50	23	10	95	6.2	20.0	2	6.0	270	72	--
29...	54	46	23	9	90	6.7	23.0	2	7.8	340	230	--
AUG.												
26...	72	56	33	17	105	6.1	21.0	2	5.7	500	320	--
SEP.												
30...	--	53	26	12	100	6.7	18.0	--	5.7	--	--	--

B Results based on colony count outside the acceptable range (non-ideal colony count).

E Estimated value.

STREAMS ON LONG ISLAND

01304500 PECONIC RIVER AT RIVERHEAD, N.Y.--Continued

CHEMICAL ANALYSES, NOVEMBER 1974 TO SEPTEMBER 1975

DATE	DIS-SOLVED FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
NOV. 29...	.1	--	--	--	--	.25	--	--	.43	.68	.07	--
DEC. 30...	.1	.34	.33	.01	.01	.35	.11	.61	.72	1.1	.06	.03
JAN. 31...	.0	.29	--	.01	.01	.30	.12	.17	.29	.59	.07	.02
FEB. 06...	.1	--	--	--	--	.37	--	--	.33	.70	.03	--
MAR. 06...	.1	--	--	--	--	.25	--	--	.54	.79	.06	--
APR. 05...	.1	--	--	--	--	.18	--	--	.24	.42	.05	--
MAY. 03...	.1	--	--	--	--	.17	--	--	.37	.54	.09	--
JUN. 07...	.1	.21	--	.01	.01	.22	.07	.22	.29	.51	.07	.02
JULY 30...	.2	--	--	--	--	.04	--	--	.46	.50	.08	--
AUG. 04...	.1	--	--	--	--	.19	--	--	.73	.92	.19	--
SEP. 01...	.2	.26	.17	.03	.01	.29	.13	.49	.62	.91	.13	.03
SEP. 29...	.2	--	--	--	--	.27	--	--	.53	.80	.18	--
SEP. 26...	.1	--	--	--	--	.08	--	--	.66	.74	.05	--
SEP. 30...	.0	--	--	--	--	.14	--	--	.43	.57	.10	--
SEP. 30...	.0	.16	.13	.01	.01	.17	.00	.53	.53	.70	.12	.03

DATE	TIME	TOTAL ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL COBALT (CO) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)
NOV. 29...	1100	--	0	0	0	0	0	0	0	0	0	640
DEC. 30...	1200	--	--	--	--	--	--	--	--	--	--	530
JAN. 31...	1015	--	--	--	--	--	--	--	--	--	--	550
MAR. 05...	0930	0	0	0	0	0	<10	0	1	0	10	450
APR. 07...	1100	--	--	--	--	--	--	--	--	--	--	510
MAY. 04...	1000	1	1	0	0	<10	0	0	0	0	10	2200
JUN. 01...	1100	--	--	--	--	--	--	--	--	--	--	1600
JULY 30...	1000	--	--	--	--	--	--	--	--	--	--	630

DATE	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
NOV. 29...	90	1	0	70	40	<.5	<.5	0	0	0	10
DEC. 30...	--	--	--	60	--	--	--	--	--	--	--
JAN. 31...	--	--	--	60	--	--	--	--	--	--	--
MAR. 05...	200	0	1	60	40	<.5	<.5	0	0	0	0
APR. 07...	--	--	--	50	--	--	--	--	--	--	--
MAY. 04...	1200	5	2	120	70	<.5	<.5	1	1	20	10
JUN. 01...	--	--	--	80	--	--	--	--	--	--	--
JULY 30...	--	--	--	70	--	--	--	--	--	--	--

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STREAMS ON LONG ISLAND

01304500 PECONIC RIVER AT RIVERHEAD, N.Y.—Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), JUNE TO SEPTEMBER 1975

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	92	82	87	---	---	---
2	---	---	---	89	63	73	96	84	90	---	---	---
3	---	---	---	77	65	70	96	85	91	---	---	---
4	---	---	---	80	68	74	94	84	89	---	---	---
5	---	---	---	91	73	77	98	88	93	---	---	---
6	---	---	---	88	80	84	100	90	95	---	---	---
7	---	---	---	97	81	91	98	90	94	---	---	---
8	---	---	---	106	98	102	104	92	99	---	---	---
9	---	---	---	119	105	111	---	---	---	---	---	---
10	118	104	111	129	117	124	---	---	---	---	---	---
11	114	104	110	126	116	122	---	---	---	---	---	---
12	116	104	109	128	108	118	---	---	---	---	---	---
13	116	96	104	133	111	123	---	---	---	---	---	---
14	116	100	107	138	122	128	---	---	---	---	---	---
15	---	---	---	141	123	131	---	---	---	---	---	---
16	---	---	---	144	128	136	---	---	---	---	---	---
17	---	---	---	140	124	132	---	---	---	---	---	---
18	---	---	---	133	119	126	---	---	---	---	---	---
19	---	---	---	124	114	120	---	---	---	---	---	---
20	---	---	---	129	115	122	---	---	---	110	100	---
21	---	---	---	130	108	115	---	---	---	110	98	---
22	---	---	---	117	105	111	---	---	---	118	106	---
23	---	---	---	109	97	103	---	---	---	116	104	---
24	---	---	---	108	98	103	---	---	---	105	100	---
25	---	---	---	105	93	100	---	---	---	110	102	---
26	---	---	---	102	92	97	---	---	---	114	104	---
27	---	---	---	99	91	96	---	---	---	118	108	---
28	---	---	---	103	91	96	---	---	---	116	106	---
29	---	---	---	100	90	95	---	---	---	110	102	---
30	---	---	---	96	84	91	---	---	---	104	96	---
31	---	---	---	90	82	86	---	---	---	---	---	---
MONTH	---	---	---	144	63	105	---	---	---	---	---	---

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA

PERIPHYTON, NOVEMBER 1974 TO JULY 1975

SAMPLING METHOD: Polyethylene strip.

PERIOD OF EXPOSURE	BIOMASS DRY WEIGHT (g/m ²)	BIOMASS ASH WEIGHT (g/m ²)	CHLOROPHYLL		BIOMASS PIGMENT RATIO
			a (mg/m ²)	b (mg/m ²)	
Nov. 29-Dec. 30	2.3	1.5	1.6	0.4	500
Mar. 5-Apr. 3	.80	.00	.2	.1	4000
June 4-July 1	5.8	2.7	2.0	.5	1600

STREAMS ON LONG ISLAND

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01304500 PECONIC RIVER AT RIVERHEAD, N.Y.--Continued

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA

PHYTOPLANKTON, NOVEMBER 1974 TO AUGUST 1975

DATE	TOTAL COUNT Cells/ml	ORGANISMS IDENTIFIED	PERCENT COMPO- SITION	DATE	TOTAL COUNT Cells/ml	ORGANISMS IDENTIFIED	PERCENT COMPO- SITION
Nov. 29 1974	780	<u>Kirchneriella</u>	24	Jan. 6 1975	360	<u>Cyclotella</u>	24
		<u>Scenedesmus</u>	20			<u>Synedra</u>	22
		<u>Oscillatoria</u>	19			<u>Navicula</u>	20
		<u>Navicula</u>	11			<u>Melosira</u>	15
		<u>Mallomonas</u>	11			<u>Mallomonas</u>	7
		<u>Fragilaria</u>	9			<u>Fragilaria</u>	5
		<u>Nitzschia</u>	3			<u>Glenodinium</u>	5
		<u>Synedra</u>	2			<u>Nitzschia</u>	2
		<u>Gomphonema</u>	1				
<u>Cyclotella</u>	1						
Feb. 6 1975	1,400	<u>Anacystis</u>	43	Mar. 5 1975	580	<u>Anacystis</u>	36
		<u>Lyngbya</u>	29			<u>Fragilaria</u>	11
		<u>Scenedesmus</u>	10			<u>Navicula</u>	7
		<u>Synedra</u>	4			<u>Dinobryon</u>	7
		<u>Achnanthes</u>	3			<u>Scenedesmus</u>	7
		<u>Eunotia</u>	3			<u>Chlamydomonas</u>	7
		<u>Chlorella</u>	2			<u>Nitzschia</u>	5
		<u>Asterionella</u>	1			<u>Asterionella</u>	5
		<u>Cyclotella</u>	1			<u>Achnanthes</u>	4
		<u>Amphora</u>	1			<u>Cyclotella</u>	4
		<u>Pinnularia</u>	1			<u>Gomphonema</u>	2
		<u>Phacus Phaeus</u>	1			<u>Eunotia</u>	2
		<u>Trachelomonas</u>				<u>Trachelomonas</u>	2
Apr. 3 1975	2,100	<u>Cyclotella</u>	66	Apr. 30 1975	770	<u>Fragilaria</u>	39
		<u>Coelastrum</u>	12			<u>Cyclotella</u>	37
		<u>Fragilaria</u>	10			<u>Achnanthes</u>	5
		<u>Navicula</u>	5			<u>Scenedesmus</u>	5
		<u>Synedra</u>	5			<u>Navicula</u>	3
		<u>Achnanthes</u>	2			<u>Cocconeis</u>	3
June 4 1975	580	<u>Scenedesmus</u>	60	July 1 1975	1,000	<u>Fragilaria</u>	34
		<u>Navicula</u>	25			<u>Sphaerocystis</u>	32
		<u>Nitzschia</u>	5			<u>Nitzschia</u>	6
		<u>Cymbella</u>	5			<u>Navicula</u>	6
		<u>Tabellaria</u>	5			<u>Achnanthes</u>	6
						<u>Cocconeis</u>	4
		<u>Gomphonema</u>	2				
		<u>Pinnularia</u>	2				
		<u>Diatoma</u>	2				
		<u>Melosira</u>	2				
		<u>Cyclotella</u>	2				
		<u>Ankistrodesmus</u>	2				
July 29 1975	14,000	<u>Sphaerocystis</u>	38	Aug. 26 1975	1,800	<u>Fragilaria</u>	50
		<u>Eudorina</u>	37			<u>Sphaerocystis</u>	27
		<u>Nephrocytium</u>	5			<u>Scenedesmus</u>	13
		<u>Fragilaria</u>	5			<u>Oocystis</u>	3
		<u>Navicula</u>	4			<u>Navicula</u>	3
		<u>Pediastrum</u>	3			<u>Nitzschia</u>	3
		<u>Oocystis</u>	3			<u>Ankistrodesmus</u>	<1
		<u>Scenedesmus</u>	3			<u>Staurastrum</u>	<1
		<u>Ankistrodesmus</u>	1			<u>Eunotia</u>	<1
		<u>Selenastrum</u>	1			<u>Stauroneis</u>	<1
		<u>Chlamydomonas</u>	1			<u>Trachelomonas</u>	<1
		<u>Cyclotella</u>	1				
		<u>Mallomonas</u>	1				
		<u>Closteriopsis</u>	<1				
		<u>Tetraedron</u>	<1				
		<u>Cocconeis</u>	<1				
		<u>Amphora</u>	<1				
<u>Eunotia</u>	<1						

< - Less than 1 Percent; may not have been actually counted.

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STREAMS ON LONG ISLAND

01304500 PECONIC RIVER AT RIVERHEAD, N.Y.—Continued

TEMPERATURE (°C) OF WATER, JUNE TO SEPTEMBER 1975

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	22.0	21.0	21.5	21.5	19.5	20.0	27.5	25.0	26.0	19.5	18.0	19.0
2	24.0	20.5	22.0	23.5	20.0	22.0	29.0	25.5	27.0	20.0	18.5	19.0
3	22.5	21.5	22.0	25.0	22.0	23.5	28.0	26.0	27.0	20.0	19.0	19.5
4	22.5	20.5	21.5	26.5	23.5	24.5	27.0	24.0	25.5	21.0	18.5	19.5
5	21.5	19.0	20.0	25.5	23.5	24.0	26.5	23.5	25.0	22.0	19.0	20.5
6	18.0	17.5	17.5	24.5	23.5	23.5	26.0	23.5	24.5	21.0	20.0	20.5
7	20.0	17.0	18.5	23.5	22.0	22.5	23.5	20.0	22.0	20.5	20.0	20.0
8	19.5	18.0	19.0	23.0	22.0	22.5	20.0	19.0	19.5	20.5	20.0	20.0
9	18.0	17.0	17.0	25.0	22.0	23.5	22.5	18.5	20.5	21.0	19.5	20.5
10	20.5	17.0	18.5	25.0	24.0	24.5	24.0	21.0	22.5	20.0	18.5	19.0
11	22.0	18.0	20.0	24.5	23.5	24.0	25.0	23.0	23.5	19.0	18.0	18.5
12	20.0	18.0	19.0	23.5	21.5	22.5	26.0	23.0	24.5	19.5	18.5	19.0
13	19.0	17.5	18.0	23.0	21.0	22.0	25.5	24.0	24.5	19.5	18.0	18.5
14	20.0	18.5	19.0	24.0	22.0	23.0	25.5	24.0	25.0	18.0	16.5	17.5
15	21.0	19.5	20.0	25.0	23.0	24.0	24.5	24.0	24.5	17.0	16.0	16.5
16	20.5	19.5	20.0	26.0	24.0	25.0	24.5	22.5	23.5	16.0	15.5	15.5
17	23.0	20.0	21.0	26.5	25.0	25.5	22.5	21.0	21.5	18.0	15.5	16.5
18	24.0	22.0	22.5	27.0	25.0	26.0	23.5	21.0	22.0	17.5	16.5	17.0
19	26.0	22.5	24.0	27.0	25.0	26.0	23.0	21.5	22.0	17.5	17.0	17.0
20	26.0	24.0	25.0	26.0	25.0	25.5	23.5	21.5	22.5	19.0	17.5	18.0
21	25.0	23.0	24.0	26.5	24.5	25.5	23.0	21.0	22.0	19.5	19.0	19.5
22	24.0	22.0	23.0	27.5	25.0	26.0	23.5	21.5	22.5	20.0	18.5	19.0
23	25.0	22.0	23.5	27.0	25.0	26.0	24.0	21.5	22.5	19.0	17.5	18.5
24	26.5	23.0	24.5	26.5	25.0	25.5	22.5	21.0	21.5	17.5	16.5	17.0
25	25.5	24.5	24.5	25.5	23.5	24.5	21.0	20.5	20.5	16.0	15.5	15.5
26	24.5	22.0	23.0	24.5	22.0	23.5	21.0	20.5	21.0	17.5	15.5	16.5
27	22.0	21.0	21.5	24.5	22.5	23.0	23.5	21.0	22.0	19.0	17.5	18.5
28	21.0	20.5	21.0	24.5	23.0	23.5	24.0	21.5	22.5	18.5	17.5	18.0
29	22.5	20.0	21.5	25.5	23.0	23.0	23.5	21.5	22.5	18.0	17.0	17.5
30	22.5	21.5	22.0	25.5	23.0	24.5	22.5	21.0	22.0	19.0	17.0	18.0
31	---	---	---	25.5	23.5	24.5	21.0	19.0	20.0	---	---	---
MONTH	26.5	17.0	21.0	27.5	19.5	24.0	29.0	18.5	23.0	22.0	15.5	18.5

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	SUS. SED. SIEVE DIAM. * FINER THAN .062 MM	DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	SUS. SED. SIEVE DIAM. * FINER THAN .062 MM
NOV. 29...	1100	22	2	.12	85	APR. 30...	1230	56	9	1.4	85
JAN. 06...	1130	35	2	.19	83	JUNE 04...	1000	54	25	3.6	85
FEB. 06...	1115	54	39	5.7	61	JULY 01...	1230	40	5	.54	80
MAR. 05...	0930	54	8	1.2	55	JULY 29...	0945	42	9	1.0	75
APR. 03...	1100	49	431	57	97	AUG. 26...	1000	28	4	.30	75

01305000 CARMANS RIVER AT YAPHANK, N.Y.

LOCATION.--Lat 40°49'49", long 73°54'24", Suffolk County, at gaging station on left bank 50 ft (15 m) upstream from Long Island Railroad bridge 0.2 mi (0.3 km) northeast of Yaphank Station, and 0.5 mi (0.8 km) southeast of Yaphank.

DRAINAGE AREA.--About 71 mi² (184 km²).

PERIOD OF RECORD.--Chemical analyses: October 1970 to September 1975.

REMARKS.--Miscellaneous chemical analyses 1966 to 1970 water years.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
NOV. 19...	1100	21	10	350	90	7.0	2.4	7.7	1.2	18	0
DEC. 04...	1100	24	11	670	90	6.2	2.6	7.0	1.0	15	0
DEC. 31...	1330	23	12	430	80	6.7	2.8	7.0	.8	16	--
FEB. 03...	1030	26	11	340	80	7.5	3.1	7.5	1.4	18	0
FEB. 27...	1000	29	10	390	130	6.5	2.4	7.1	1.2	17	0
MAR. 24...	1200	30	10	380	90	7.2	2.4	7.4	1.0	16	0
MAR. 30...	1015	29	9.8	490	110	6.4	2.2	7.0	1.0	17	0
MAY 28...	0800	27	11	540	110	6.0	2.4	6.8	1.0	19	0
JUNE 25...	1030	27	11	410	70	6.5	2.5	7.2	.9	18	0
AUG. 01...	1045	25	11	350	70	6.3	2.4	8.0	.8	19	0
AUG. 27...	1100	24	11	280	60	8.0	3.0	7.1	1.0	17	0
SEP. 30...	1300	24	11	380	90	8.0	2.6	7.1	1.1	18	0

DATE	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJFL-DAHL NITROGEN (N) (MG/L)
NOV. 19...	15	12	10	.1	.74	.75	.02	.01	.12	.14	.26
DEC. 04...	12	11	9.6	.1	.84	.84	.00	.00	.04	.16	.20
DEC. 31...	13	13	9.2	.1	.91	--	.01	.01	.02	.24	.26
FEB. 03...	15	11	11	.1	.83	--	.00	.00	.00	.19	.19
FEB. 27...	14	13	11	.2	.82	--	.03	.01	.06	.11	.17
MAR. 24...	13	10	11	.1	.79	--	.01	.01	.03	.09	.12
MAR. 30...	14	11	9.8	.2	.76	--	.02	.01	.00	.12	.12
MAY 28...	16	12	12	.2	.64	.64	.01	.01	.04	.13	.17
JUNE 25...	15	13	11	.1	.64	.51	.04	.01	.00	.13	.13
AUG. 01...	16	9.4	9.0	.1	.53	--	.01	.01	.02	.19	.21
AUG. 27...	14	12	10	.1	.77	.76	.01	.01	.00	.23	.23
SEP. 30...	15	13	11	.0	.74	.74	.01	.01	.00	.22	.22

DATE	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS) (MG/L)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
NOV. 19...	1.0	.02	.00	63	27	13	110	6.6	8.0	8.3	.0
DEC. 04...	1.0	.02	.00	60	26	14	118	6.5	4.5	9.5	.0
DEC. 31...	1.2	.02	--	63	28	15	104	6.7	6.0	--	.0
FEB. 03...	1.0	.01	.01	65	32	17	100	7.1	5.0	11.6	.0
FEB. 27...	1.0	.02	.01	60	26	12	98	6.9	5.5	10.6	.0
MAR. 24...	.92	.02	.01	61	28	15	98	6.9	9.0	11.2	.0
MAR. 30...	.90	.02	.01	59	25	11	99	6.5	13.0	10.3	.1
MAY 28...	.82	.03	.01	64	25	9	92	6.5	21.0	--	.0
JUNE 25...	.81	.01	.01	62	27	12	97	6.8	23.0	--	.0
AUG. 01...	.75	.01	.01	59	26	10	110	6.6	23.0	7.9	.1
AUG. 27...	1.0	.01	.01	64	32	18	105	6.4	18.0	--	.0
SEP. 30...	.97	.03	.01	66	31	16	105	6.7	16.0	6.0	.0

STREAMS ON LONG ISLAND

01309500 MASSAPEQUA CREEK AT MASSAPEQUA, N.Y.

LOCATION.--Lat 40°41'20", long 73°27'19", Nassau County, at gaging station on left bank 350 ft (107 m) west of Garfield Street at Lake Shore Drive, Massapequa, 0.2 mi (0.3 km) north of Massapequa Park, and 3,000 ft (914 m) upstream from Clark Avenue Bridge and head of Massapequa Pond of Brooklyn water-supply system.

DRAINAGE AREA.--About 38 mi² (98.4 km²).

PERIOD OF RECORD.--Chemical analyses: October 1970 to September 1975.

REMARKS.--Miscellaneous chemical analyses 1966 to 1970 water years.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SiO ₂) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)	CARBONATE (CO ₃) (MG/L)
OCT.											
18...	1400	5.8	8.7	250	1600	19	4.0	26	5.6	13	0
NOV.											
18...	1430	4.0	8.5	390	1200	18	3.9	28	6.7	32	0
DEC.											
06...	1345	5.8	9.3	550	1600	21	4.4	28	5.6	36	0
JAN.											
08...	0930	8.1	8.4	240	1600	17	4.1	25	4.6	31	0
FEB.											
03...	1300	12	9.3	360	1400	20	4.7	27	5.8	9	0
MAR.											
03...	1000		9.9	1800	60	67	5.8	13	7.3	11	0
24...	1245	19	8.8	350	1500	20	4.1	29	5.6	37	0
APR.											
29...	0900	13	8.6	280	1300	20	3.8	50	5.4	22	0
MAY											
29...	1330	8.6	7.0	300	570	17	4.1	26	5.3	30	0
JUNE											
27...	1215	17	8.1	140	280	18	3.8	27	4.8	31	0
AUG.											
01...	1345	11	6.0	130	150	19	4.0	28	5.4	19	0
27...	1330	9.5	8.3	230	1500	20	4.5	26	5.5	15	0

DATE	ALKALINITY AS CaCO ₃ (MG/L)	DIS-SOLVED SULFATE (SO ₄) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)
OCT.											
18...	11	44	29	.0	6.6	6.4	.06	.06	2.7	.00	2.3
NOV.											
18...	26	45	29	.1	6.7	6.2	.08	.05	3.0	.00	2.8
DEC.											
06...	30	47	30	.1	6.8	--	.02	.02	3.4	.00	3.1
JAN.											
08...	25	40	28	.0	5.5	--	.02	--	2.5	.00	2.5
FEB.											
03...	7	45	31	.1	3.4	--	.01	.01	1.0	1.4	2.4
MAR.											
03...	9	160	25	.1	8.4	8.4	.03	.03	2.7	.00	2.1
24...	30	45	32	.1	7.9	7.3	.03	.03	3.0	.30	3.3
APR.											
29...	18	47	71	.1	7.8	7.8	.04	.03	2.9	.20	3.1
MAY											
29...	25	45	32	.0	5.3	--	.12	.10	2.1	.00	2.0
JUNE											
27...	25	40	34	.0	5.7	5.0	.06	.06	1.6	.00	1.6
AUG.											
01...	16	40	30	.1	7.8	7.8	.04	.04	.22	.41	.63
27...	12	42	29	.1	7.0	6.7	.01	--	.03	1.7	1.7

STREAMS ON LONG ISLAND

01309500 MASSAPEQUA CREEK AT MASSAPEQUA, N.Y.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL NITROGEN (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
OCT. 18...	9.0	.04	.02	171	64	53	320	6.2	13.0	8.2	.3
NOV. 18...	9.6	.03	.00	182	61	35	315	6.7	11.0	10.0	.3
DEC. 06...	9.9	.28	.01	194	71	41	370	6.3	9.0	9.1	.3
JAN. 08...	8.0	.15	.01	170	59	34	290	6.4	4.0	8.2	.3
FEB. 03...	5.8	.02	.01	163	69	62	330	6.3	9.0	12.2	.2
MAR. 03...	11	.04	.01	331	190	180	345	5.8	4.0	9.5	.2
APR. 24...	11	.02	.00	195	67	36	390	6.5	10.0	9.4	.3
MAY 29...	11	.07	.00	251	66	48	445	6.2	11.0	9.7	.2
JUNE 29...	7.4	.02	.01	176	59	35	315	6.8	25.0	7.4	.2
JULY 27...	7.4	.03	.01	174	61	35	320	7.5	18.0	8.3	.2
AUG. 01...	8.4	.01	.01	176	64	48	296	6.2	24.0	6.6	.2
SEP. 27...	8.7	.01	.01	174	68	56	330	6.3	23.5	5.5	.2

STREAMS ON LONG ISLAND

01310500 EAST MEADOW BROOK AT FREEPORT, N.Y.

LOCATION.--Lat 40°39'56", long 73°34'13", Nassau County, at gaging station on right bank in Freeport, 24 ft (7 m) upstream from bridge at Hempstead-Babylon Turnpike and 400 ft (122 m) west of Meadowbrook Parkway.

DRAINAGE AREA.--About 31 mi² (80 km²).

PERIOD OF RECORD.--Chemical analyses: October 1970 to September 1975.

REMARKS.--Miscellaneous chemical analyses 1966 to 1970 water years.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DIS-SOLVED SILICA (SiO ₂) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)	CARBOVATE (CO ₃) (MG/L)
OCT. 22...	1245	2.4	6.9	380	670	17	4.0	63	4.5	24	0
NOV. 19...	1400	2.4	6.5	730	660	14	4.2	60	4.6	33	0
DEC. 04...	1400	4.4	5.7	600	510	15	3.4	53	3.0	27	0
JAN. 03...	1315	4.0	7.1	330	630	18	4.2	63	3.2	34	0
FEB. 04...	1300	6.8	7.1	550	680	19	4.5	70	3.9	34	0
27...	1330	10	6.6	500	590	17	3.7	65	3.3	30	0
MAR. 24...	1045	19	6.9	500	610	18	3.1	77	3.6	34	0
APP. 29...	1000	11	6.2	500	530	14	4.0	52	3.4	28	0
MAY 30...	1215	8.2	6.8	370	540	14	4.6	61	3.0	34	0
JUNE 27...	1315	14	7.7	540	510	21	4.7	56	3.8	42	0
AUG. 08...	0930	11	7.4	360	310	21	4.6	43	3.8	37	0
SEP. 05...	1030	8.2	7.0	380	280	21	5.0	51	4.1	41	0
29...	1400	16	4.0	530	470	21	5.6	54	4.0	38	0

DATE	ALKALINITY AS CaCO ₃ (MG/L)	DIS-SOLVED SULFATE (SO ₄) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL DIAL NITROGEN (N) (MG/L)
OCT. 22...	20	34	95	.0	3.2	3.2	.04	.03	1.1	.20	1.3
NOV. 19...	27	35	96	.1	3.1	3.1	.03	.03	1.2	.10	1.3
DEC. 04...	22	27	82	.1	2.4	--	.01	.01	.86	.14	1.0
JAN. 03...	28	36	98	.0	3.5	3.5	.03	.03	1.3	.00	1.2
FEB. 04...	28	34	110	.1	3.9	3.0	.02	.02	.77	.53	1.3
27...	25	34	100	.1	3.0	1.6	.02	.01	1.1	.20	1.3
MAR. 24...	30	34	120	.1	3.8	2.9	.04	.03	1.1	.30	1.4
APP. 29...	23	33	81	.0	3.6	3.6	.04	.04	1.0	.20	1.2
MAY 30...	30	38	96	.1	3.7	3.6	.09	--	.81	.20	1.1
JUNE 27...	34	37	85	.5	3.7	2.4	.09	.07	.95	.65	1.6
AUG. 08...	30	34	61	.0	5.4	4.7	.07	--	.42	.69	1.1
SEP. 05...	34	38	77	.0	4.9	4.9	.06	--	.73	.62	.65
29...	31	35	84	.0	4.5	2.0	.04	.04	.63	.31	.66

01310500 EAST MEADOW BROOK AT FREEPORT, N.Y.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	HARD- NESS (Ca+Mg) (MG/L)	NON- CAP- RONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	METHY- LENE BLUE ACTIVE SUM- STANCE (MG/L)
OCT. 22...	4.5	.02	.00	250	59	39	480	6.2	11.0	6.5	.2
NOV. 19...	4.4	.02	--	254	62	35	490	6.6	9.0	7.2	.2
DEC. 04...	3.4	.03	.01	214	51	29	470	6.4	7.0	7.4	.1
JAN. 03...	4.7	.01	.00	262	62	34	486	6.4	5.0	8.1	--
FEB. 04...	5.2	.02	.01	278	66	38	560	6.4	4.0	9.3	.1
MAR. 27...	4.3	.03	.00	251	58	33	510	6.4	9.5	8.8	.1
APR. 24...	5.2	.03	.00	293	58	28	650	6.6	9.0	7.0	.1
MAY 24...	4.8	.03	.00	228	64	41	438	6.4	11.5	8.8	.1
JUNE 30...	4.9	.04	.01	264	66	37	520	6.6	18.0	5.6	.1
AUG. 27...	5.4	.05	.03	247	72	37	500	7.1	19.0	5.9	.1
SEP. 08...	6.6	.01	.01	214	71	41	402	6.3	17.0	5.5	.2
SEP. 05...	5.7	.01	.01	247	78	44	460	6.5	19.0	6.1	--
SEP. 29...	5.5	.04	.01	239	76	44	470	5.9	18.0	9.0	.1

01319000 EAST BRANCH SACANDAGA RIVER AT GRIFFIN, N.Y.

LOCATION.--Lat 43°28'25", long 74°13'25", Hamilton County, at gaging station 300 ft (91 m) upstream from bridge on Teachout Road in Griffin; 2.0 mi (3.2 km) downstream from Georgia Creek, 3 mi (5 km) upstream from mouth and 7 mi (11 km) upstream from Wells.

DRAINAGE AREA.--114 mi² (295 km²).

PERIOD OF RECORD.--Chemical analyses: August 1965 to May 1975 (discontinued).

REMARKS.--New York State Water Quality Surveillance Network station number 11 2788.

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)
OCT. 09...	1230	54	110	0	5.8	1.4	1.5	.6	16	0	13	11
NOV. 25...	1000	382	250	20	4.9	.8	1.1	.3	5	0	4	7.6
DEC. 13...	1000	303	100	50	5.0	.9	1.5	.4	6	0	5	8.9
JAN. 02...	1200	E87	320	20	5.5	1.1	1.5	.2	7	0	6	8.4
FEB. 21...	1030	84	150	10	5.4	1.0	2.1	.4	14	0	11	8.3
MAR. 14...	1230	E100	160	0	5.0	.9	1.5	.2	11	0	9	9.6
APR. 15...	0900	E168	140	10	6.2	.9	1.7	.2	8	0	7	6.3
MAY 15...	1100	261	170	10	5.4	1.1	1.0	.3	8	0	7	8.3

DATE	DIS- SOLVED CHLU- RIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL URTHO PHOSUS (P) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	FIXED NON- FILT- RABLE RESIDUE (MG/L)
OCT. 09...	2.0	.04	.00	.04	.20	--	.15	.19	.01	.00	2	0
NOV. 25...	1.2	.41	.00	.41	.09	1.3	1.4	1.8	.01	.01	2	1
DEC. 13...	1.3	.56	.00	.56	.04	.16	.20	.76	.01	.00	3	0
JAN. 02...	9.0	.41	.00	.41	.02	.10	.12	.53	.00	.00	0	2
FEB. 21...	3.1	.55	.00	.55	.05	.09	.14	.69	.01	.00	3	0
MAR. 14...	2.0	.64	.00	.64	.04	.09	.13	.77	.01	.00	2	0
APR. 15...	2.9	.53	.01	.54	.02	.09	.11	.65	.01	.01	4	0
MAY 15...	2.4	.34	.01	.35	.01	.15	.16	.51	.02	.00	1	0

DATE	TOTAL RESI- DUCE (MG/L)	RESIDUE ON IGNI- TION (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	CHEM- ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 09...	62	16	50	6.5	7.0	30	1	11.6	98	14	16
NOV. 25...	41	28	43	6.8	2.5	20	1	14.1	108	9	5.5
DEC. 13...	42	31	39	7.0	1.0	20	2	14.8	106	8	7.5
JAN. 02...	40	38	53	6.8	.5	10	1	14.6	107	8	7.4
FEB. 21...	42	27	55	7.1	.5	20	1	13.7	108	9	3.9
MAR. 14...	34	19	52	7.2	.5	9	1	15.0	108	7	4.6
APR. 15...	42	11	46	7.1	.5	7	1	14.9	106	7	2.7
MAY 15...	27	15	36	7.1	13.0	11	1	10.7	104	11	4.3

DATE	TIME	TOTAL ARSENIC (AS) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)
MAR. 14...	1230	1	0	1	<.5

E Estimated value.

HUDSON RIVER BASIN

357

01325420 HUDSON RIVER AT CORINTH, N.Y.

LOCATION.--Lat 43°14'55", long 73°49'57", Saratoga County, at bridge on River Street, in Corinth, 0.2 mi (0.3 km) downstream from Sturdevant Creek, and 2.0 mi (3.2 km) downstream from Barber Brook.

DRAINAGE AREA.--2,755 mi² (7,135 km²).

PERIOD OF RECORD.--Chemical analyses: April 1969 to May 1975 (discontinued).

REMARKS.--New York State Water Quality Surveillance Network station 11 0602. Water discharge data are based on records for 01318500 Hudson River at Hadley and for 01325000 Sacandaga River at Stewards Bridge near Hadley.

COOPERATION.--Samples furnished by New York State Department of Environmental Conservation.

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	DIS-CHARGE (CFS)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)
OCT.										
01...	1345	E4120	100	60	5.2	1.2	1.4	.4	14	11
29...	1370	E3370	240	50	6.3	1.3	1.0	.0	12	10
JAN.										
14...	1425	E6780	160	20	5.7	1.2	.8	.4	15	12
FEB.										
11...	1315	E4730	170	20	7.0	1.3	2.0	.4	14	11
MAR.										
11...	1615	E5410	220	30	7.4	1.3	2.1	.3	17	14
APR.										
08...	1620	E3160	1600	40	7.1	1.4	2.3	.3	17	14
28...	1355	E11100	170	20	7.5	1.3	1.8	.3	13	11
MAY										
29...	1200	E4690	200	40	5.8	1.2	1.4	.2	10	8

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
OCT.										
01...			.15	.00	.15	.06	.13	.19	.34	.01
29...	6.6	1.5	.16	.00	.16	.12	.11	.23	.39	.01
JAN.										
14...	7.8	1.3	.25	.01	.26	.06	.14	.20	.46	.01
FEB.										
11...	6.6	2.6	.31	.01	.32	.05	.15	.20	.52	.01
MAR.										
11...	7.6	1.8	.31	.01	.32	.00	.11	.11	.43	.03
APR.										
08...	7.3	4.4	.30	.00	.30	.03	.04	.07	.37	.01
28...	6.2	1.9	.48	.01	.49	.02	.05	.07	.56	.01
MAY										
29...	7.3	1.7	1.3	.01	1.3	.01	.22	.23	1.5	.01

DATE	TOTAL ORTHO-PHOSPHORUS (P) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	FIXED NON-FILTERABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)	RESIDUE ON IGNITION (MG/L)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	COLOR (PLATINUM-CORAL UNITS)	TURBIDITY (JTU)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT.										
01...		6	2	39	16	54	3	1	10	5.5
29...	.00	1	0	39	21	46	8	2	8	3.8
JAN.										
14...	.01	1	0	32	32	44	4	2	10	3.6
FEB.										
11...	.01	16	13	32	31	55	20	2	11	3.7
MAR.										
11...	.00	9	5	45	30	56	20	2	11	3.1
APR.										
08...	.00	4	2	50	37	63	9	1	9	2.5
28...	.01	2	1	43	31	45	13	1	10	3.9
MAY										
29...	.00	2	1	44	26	48	16	1	11	3.1

† Estimated value.

HUDSON RIVER BASIN

01326400 HUDSON RIVER AT SPIER FALLS, N.Y.

LOCATION.--Lat 43°14'00", long 73°45'20", Saratoga County, upstream from Niagara Mohawk Power Plant dam at Spier Falls, 0.5 mi (0.8 km) upstream from former gaging station (01326400) and 5.2 mi (8.4 km) downstream from Corinth.

DRAINAGE AREA.--2,778 mi² (7,195 km²).

PERIOD OF RECORD.--Chemical analyses: April 1969 to May 1975 (discontinued).

REMARKS.--New York State Water Quality Surveillance Network station number 11 0605. Water discharge data are based on records for 01318500 Hudson River at Hadley and for 01325000 Sacandaga River at Stewards Bridge near Hadley.

COOPERATION.--Samples furnished by New York State Department of Environmental Conservation.

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	DIS-CHARGE (CFS)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)
OCT.										
01...	1430	E4120	120	70	8.4	1.2	1.9	.3	16	13
29...	1400	E3370	220	60	7.6	1.5	2.2	.4	14	11
JAN.										
14...	1450	E6780	150	20	5.8	1.1	.5	.3	13	11
FEB.										
11...	1345	E4730	180	20	7.0	1.4	2.0	.3	12	10
MAR.										
11...	1645	E5410	190	40	8.5	1.0	2.2	.3	19	16
APR.										
08...	1650	E3160	2200	100	--	1.7	2.1	.2	15	12
28...	1420	E11100	140	30	4.8	1.0	1.5	.3	9	7
MAY										
29...	1235	E4690	250	50	7.2	1.3	1.5	.2	5	4

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
OCT.										
01...	7.6	1.9	.14	.00	.14	.10	.09	.19	.33	.01
29...	8.0	2.4	.34	.00	.34	.15	.12	.27	.61	.01
JAN.										
14...	7.9	1.4	.22	.01	.23	.05	.15	.20	.43	.01
FEB.										
11...	6.7	2.3	.29	.01	.30	.03	.15	.18	.48	.01
MAR.										
11...	7.2	1.8	.31	.02	.33	.01	.05	.06	.39	.01
APR.										
08...	7.4	3.2	.27	.00	.27	.04	.06	.10	.37	.01
28...	6.1	1.7	.48	.01	.49	.03	.08	.11	.60	.01
MAY										
29...	7.4	1.6	.54	.01	.55	.01	.20	.21	.76	.01

DATE	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	FIXED NON-FILTERABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)	RESIDUE ON IGNITION (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS) (MG/L)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT.										
01...	.00	7	2	50	27	59	4	2	11	11
29...	.00	0	0	39	27	56	10	2	11	19
JAN.										
14...	.00	1	0	39	30	46	4	2	10	3.5
FEB.										
11...	.01	12	12	34	29	53	20	2	11	3.5
MAR.										
11...	.00	10	6	52	30	55	10	3	10	3.1
APR.										
08...	.00	4	4	42	25	56	8	1	9	2.7
28...	.00	3	1	38	30	44	10	1	10	3.2
MAY										
29...	.00	3	2	52	34	52	11	1	11	3.0

E Estimated value.

01327600 HUDSON RIVER AT GLENS FALLS, N.Y.

LOCATION.--Lat 43°18'20", long 73°36'58", at Warren-Saratoga County line, at highway and quarry conveyor bridge, 0.1 mi (0.2 km) east of Glens Falls and 1.4 mi (2.3 km) downstream from bridge on U.S. Highway 9 and State Highway 32.

DRAINAGE AREA.--2,810 mi² (7,278 km²).

PERIOD OF RECORD.--Chemical analyses: April 1972 to May 1975 (discontinued).

REMARKS.--New York State Water Quality Surveillance Network station number 11 0580.

COOPERATION.--Samples furnished by New York State Department of Environmental Conservation.

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	TOTAL IRON (FF) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)
OCT. 01...	1245	190	60	9.0	1.8	2.4	.6	16	13	11	2.7	.15
29...	1245	330	150	9.5	2.0	2.5	1.0	17	14	11	3.9	.15
DEC. 04...	1500	310	30	8.5	1.0	3.0	2.5	18	15	15	4.3	.23
14...	1325	170	20	6.0	1.0	1.8	.5	18	15	9.7	2.2	.25
FEB. 11...	1215	160	50	12	1.3	2.5	.5	13	11	7.6	3.4	.34
MAR. 11...	1500	360	50	9.9	1.4	2.6	.5	17	14	8.3	3.0	.36
APR. 04...	1525	160	20	8.8	1.3	3.3	.5	18	15	10	6.0	.34
28...	1240	190	70	7.8	1.4	1.9	.4	11	9	7.3	2.2	.52
MAY 29...	1100	290	40	9.5	1.3	2.4	.4	15	12	12	3.3	.34

DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	FIXED NON-FILTERABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)
OCT. 01...	.00	.15	.16	.14	.30	.45	.01	.01	3	3	51
29...	.00	.15	.36	.24	.60	.75	.04	.01	2	2	54
DEC. 04...	.00	.23	.85	.55	1.4	1.6	.03	.02	4	3	77
JAN. 14...	.01	.26	.17	.24	.41	.67	.03	.01	4	0	49
FEB. 11...	.01	.35	.21	.18	.39	.74	.04	.01	15	12	49
MAR. 11...	.01	.37	.14	.23	.37	.74	.09	.05	8	6	55
APR. 04...	.00	.34	.32	.30	.62	.96	.04	.01	6	4	66
28...	.01	.53	.17	.23	.40	.93	.03	.01	2	1	48
MAY 29...	.01	.35	.30	.57	.87	1.2	.04	.00	4	3	60

DATE	RESIDUE ON IGNITION (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	COLOR (PLATINUM-CORALT UNITS)	TURBIDITY (JTU)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)
OCT. 01...	31	74	3	5	17	9.4	.00	0	0	3	<.5
29...	39	72	10	7	17	21	.00	0	10	6	<.5
DEC. 04...	43	87	10	10	38	2.8	.01	0	10	3	<.5
JAN. 14...	39	54	4	4	15	4.8	--	0	0	0	<.5
FEB. 11...	39	61	10	6	15	3.9	.01	0	10	4	<.5
MAR. 11...	39	65	20	3	12	4.1	.00	0	60	2	<.5
APR. 04...	48	80	9	4	20	5.4	.00	2	10	0	<.5
28...	36	52	17	3	15	4.2	--	--	--	--	--
MAY 29...	34	69	17	4	23	7.5	--	--	--	--	--

Suspended-sediment discharge measurement on page 656.

HUDSON RIVER BASIN

01327700 HUDSON RIVER AT HUDSON FALLS, N.Y.

LOCATION.--Lat 43°18'00", long 73°35'30", Saratoga County, at Arkell and Smiths Pumphouse on west bank in Fenimore, across river from Hudson Falls and 1,500 ft (457 m) upstream from Fenimore Dam.

DRAINAGE AREA.--2,813 mi² (7,286 km²).

PERIOD OF RECORD.--Water temperatures: November 1957 to September 1975 (discontinued).

EXTREMES.--1974-75:

Water temperatures: Maximum, 26.0°C on August 4, 5; minimum, freezing point on many days during November through February.

Period of record:

Water temperatures: Maximum, 27.0°C July 16-18, 1969; minimum, freezing point on many days during winter periods.

REMARKS.--Stream frozen many days during January and February. No record Oct. 5, Nov. 22, 30, Dec. 19, 20, Apr. 5, 13, June 7, 21, 29, Jul. 3-6, 12, 13, 20, 27, Aug. 17, Sept. 1, 27.

COOPERATION.--Water temperature record furnished by Arkell and Smiths Division of the Chase Bag Corporation.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

(ONCE-DAILY MEASUREMENT)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.0	9.5	0.0	1.5	0.5	1.5	1.5	6.0	19.5	23.0	25.0	27.0
2	15.5	9.5	0.5	1.0	0.5	1.0	1.5	7.0	20.0	23.5	25.5	27.0
3	15.0	9.5	0.5	0.5	0.5	1.0	1.5	8.0	19.0	---	25.5	27.0
4	15.0	10.0	1.0	1.0	0.0	1.5	1.5	7.0	19.0	---	26.0	27.0
5	---	10.0	1.0	0.5	0.0	1.0	---	8.0	19.0	---	26.0	27.0
6	14.5	10.0	1.5	0.5	0.0	1.0	1.5	8.0	18.5	---	25.0	27.0
7	14.5	10.0	1.0	1.0	0.0	1.0	1.5	8.0	---	24.0	24.5	27.0
8	14.0	10.0	1.5	1.0	0.0	1.0	1.5	8.5	16.0	24.5	24.0	27.0
9	14.5	9.5	1.5	1.5	0.0	0.5	1.5	9.0	16.0	24.0	24.0	27.0
10	14.0	9.5	1.5	1.5	0.0	0.5	2.0	9.0	16.0	24.5	24.0	27.0
11	14.0	9.0	1.0	1.5	0.0	1.5	3.0	10.0	17.0	24.0	24.0	27.0
12	13.5	9.0	1.0	2.0	0.0	1.0	3.0	11.5	18.5	---	23.5	27.0
13	13.5	8.5	1.0	1.5	0.0	1.5	---	13.0	19.5	---	23.5	27.0
14	13.0	8.5	1.5	3.0	0.0	1.0	5.0	13.0	18.5	24.0	24.0	27.0
15	13.0	8.5	1.5	1.0	0.0	1.0	6.0	13.0	18.0	24.5	24.0	27.0
16	13.0	8.0	1.0	1.0	0.0	1.0	6.5	13.5	18.5	24.5	24.0	27.0
17	13.0	6.5	1.0	0.5	0.5	1.5	7.0	14.0	19.5	24.5	---	27.0
18	12.0	6.0	1.5	0.5	1.0	2.0	6.5	15.0	19.5	24.5	24.0	27.0
19	12.0	6.0	---	0.5	1.5	2.0	6.5	16.0	19.5	24.5	24.5	27.0
20	11.0	6.0	---	0.0	1.5	2.0	7.0	16.5	20.0	---	23.5	27.0
21	10.5	6.0	1.5	0.0	2.0	1.5	5.5	16.5	---	25.0	23.0	27.0
22	10.0	---	1.5	0.0	2.0	1.5	5.0	17.0	20.5	25.0	23.0	27.0
23	10.0	5.0	1.5	0.0	1.5	1.0	5.0	17.5	21.5	25.0	22.0	27.0
24	10.0	4.5	1.0	0.0	1.5	1.0	5.0	19.5	21.5	25.0	21.5	27.0
25	9.5	4.0	1.5	0.0	2.0	1.5	5.0	19.5	22.0	24.5	21.5	27.0
26	9.5	3.5	0.5	0.5	2.0	1.0	5.5	19.5	22.0	24.0	21.5	27.0
27	9.5	3.5	0.5	0.5	2.0	1.0	5.0	20.0	23.5	---	21.5	27.0
28	9.0	3.5	1.0	0.5	1.5	1.0	5.0	20.0	23.5	25.0	21.5	27.0
29	9.0	0.0	0.5	0.5	---	0.5	5.0	20.0	---	24.5	22.0	27.0
30	9.0	---	1.0	0.5	---	0.5	5.5	20.0	23.5	24.5	21.5	27.0
31	9.5	---	1.0	1.0	---	1.0	---	19.5	---	24.5	21.0	27.0
AVERAGE	12.0	7.0	1.0	1.0	1.0	1.5	4.0	13.5	19.5	---	23.5	27.0

HUDSON RIVER BASIN

01327750 HUDSON RIVER AT FORT EDWARD, N.Y.

LOCATION.--Lat 43°16'03", long 73°35'12", Washington County, at village dock in Fort Edward and 0.1 mi (0.2 km) upstream from bridge on State Highway 197.

DRAINAGE AREA.--2,817 mi² (7,296 km²).

PERIOD OF RECORD.--Chemical analyses: April 1969 to May 1975 (discontinued).

REMARKS.--Prior to November 13, 1973, sampling site was 0.3 mi (0.5 km) upstream. New York State Water Quality Surveillance Network station number 11 0562.

COOPERATION.--Samples furnished by New York State Department of Environmental Conservation.

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)
OCT. 01...	1200	290	80	12	2.9	4.4	.7	16	13	17	3.7	.48
29...	1200	560	110	9.1	2.4	6.0	.5	18	15	19	5.5	.40
DEC. 04...	1330	270	30	7.7	1.0	3.2	.9	15	12	13	3.8	.38
14...	1240	180	30	5.5	.9	2.5	.4	14	11	11	2.5	.70
FEB. 11...	1130	160	30	7.0	2.3	3.0	.5	14	11	11	3.9	.33
MAR. 11...	1350	210	40	7.2	1.5	3.0	.4	17	14	10	3.3	.35
APR. 08...	1445	250	40	8.3	1.1	3.8	.4	17	14	10	6.2	.34
28...	1130	250	50	6.3	.9	2.0	.3	10	8	8.4	2.2	.53
MAY 29...	1030	280	30	--	1.8	2.8	.3	16	13	13	3.5	.40

DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRATE PLUS VITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	FIXED FILTRABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)
OCT. 01...	.00	.48	.31	.34	.65	1.1	.05	.01	7	6	71
29...	.00	.40	.65	.26	.91	1.3	.04	.02	0	0	78
DEC. 04...	.00	.38	.36	.53	.89	1.3	.02	.01	2	0	64
JAN. 14...	.01	.71	.23	.64	.87	1.6	.02	.01	4	2	54
FEB. 11...	.01	.34	.44	.36	.80	1.1	.04	.01	16	11	46
MAR. 11...	.01	.36	.17	.26	.43	.79	.03	.01	12	7	60
APR. 08...	.01	.35	.32	.26	.58	.93	.03	.01	8	7	66
28...	.01	.54	.13	.18	.31	.85	.03	.01	3	0	50
MAY 29...	.01	.41	.26	.58	.84	1.3	.03	.00	13	6	75

DATE	RESIDUE ON IGNITION (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MERCURY (MG) (UG/L)
OCT. 01...	43	94	4	6	19	6.7	.01	0	0	6	<.5
29...	57	99	20	10	21	8.8	.01	0	10	5	<.5
DEC. 04...	37	78	20	8	23	4.9	.00	0	10	3	<.5
JAN. 14...	43	59	4	5	15	4.4	--	1	0	2	<.5
FEB. 11...	41	71	20	9	19	5.5	.00	0	10	4	<.5
MAR. 11...	38	71	20	4	17	9.0	.00	0	10	0	<.5
APR. 08...	43	82	13	5	22	5.6	.00	0	0	10	<.5
28...	39	53	7	3	14	4.0	--	--	--	--	--
MAY 29...	37	73	18	--	35	14	--	--	--	--	--

HUDSON RIVER BASIN

01328770 HUDSON RIVER AT THOMSON, N.Y.

LOCATION.--Lat 43°07'36", long 73°35'16", Saratoga County, at bridge on State Highway 4, 0.6 mi (1.0 km) north of Thomson.
DRAINAGE AREA.--2,996 mi² (7,760 km²).

PERIOD OF RECORD.--Chemical analyses: December 1972 to April 1975 (discontinued).

REMARKS.--New York State Water Quality Surveillance Network station number 11 0015.

COOPERATION.--Samples furnished by New York State Department of Environmental Conservation.

CHEMICAL ANALYSES, OCTOBER 1974 TO APRIL 1975

DATE	TIME	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLORIDE (CL) (MG/L)
OCT. 28...	1145	320	80	8.5	2.4	4.5	.8	21	17	15	4.5
DEC. 04...	1245	390	30	7.5	1.4	3.2	.7	18	15	13	3.5
JAN. 13...	1200	310	20	8.7	1.8	2.5	1.2	26	21	12	3.1
FEB. 10...	1215	200	30	12	1.6	3.5	.6	18	15	11	6.8
MAR. 10...	1130	770	40	10	2.6	3.5	.6	20	16	11	6.3
APR. 07...	1125	390	30	11	2.1	4.0	.6	23	19	12	6.2

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO- PHOS- PHORUS (P) (MG/L)	TOTAL NON- FILTRABLE RESIDUE (MG/L)	FIXED NON- FILTRABLE RESIDUE (MG/L)
OCT. 28...	.32	.03	.35	.49	.31	.90	1.2	.02	.01	2	2
DEC. 04...	.35	.00	.35	.24	.34	.58	.93	.02	.01	7	4
JAN. 13...	.33	.01	.34	.16	.15	.31	.65	.03	.01	11	11
FEB. 10...	.32	.00	.32	.21	.30	.51	.83	.02	.01	13	8
MAR. 10...	.37	.01	.38	.24	.11	.35	.73	.02	.00	2	1
APR. 07...	.44	.01	.45	.36	.09	.45	.90	.03	.01	10	1

DATE	TOTAL RESI- DUCE (MG/L)	RESIDUE ON IGNI- TION (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	CHEM- ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)
OCT. 28...	60	49	95	20	5	15	4.9	0	10	5	4.5
DEC. 04...	66	41	77	20	8	18	4.2	--	--	--	--
JAN. 13...	76	36	88	9	10	15	4.5	--	--	--	--
FEB. 10...	49	33	78	20	7	14	4.6	--	--	--	--
MAR. 10...	59	43	83	20	8	17	11	--	--	--	--
APR. 07...	74	51	95	31	10	19	5.7	--	--	--	--

HUDSON RIVER BASIN

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01329640 BATTEN KILL AT MIDDLE FALLS, N.Y.

LOCATION.--Lat 43°05'55", long 73°31'32", Washington County, at Niagara Mohawk Power Plant in Middle Falls, 0.5 mi (0.8 km) downstream from Hartshorn Brook, and 4.5 mi (7.2 km) upstream from mouth.

DRAINAGE AREA.--434 mi² (1,124 km²).

PERIOD OF RECORD.--Chemical analyses: April 1969 to May 1975 (discontinued).

REMARKS.--New York State Water Quality Surveillance Network station number 11 1501.

COOPERATION.--Samples furnished by New York State Department of Environmental Conservation.

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
OCT. 01...	1110	180	70	17	4.7	2.5	1.0	65	53	10
29...	1045	150	30	30	7.7	3.0	.5	105	86	17
APR. 21...	1220	450	40	16	3.9	1.9	.6	52	43	7.6
MAY 21...	1100	230	60	--	6.3	2.4	.6	82	67	7.2

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJFL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
OCT. 01...	3.4	.28	.00	.28	.09	.14	.23	.51	.02	.01
29...	5.3	.45	.00	.45	.08	.10	.18	.63	.01	.01
APR. 21...	3.4	.64	.00	.64	.01	.10	.11	.75	.05	.02
MAY 21...	2.3	.50	.01	.51	.01	.12	.13	.64	.02	.00

DATE	TOTAL NON-FILTERABLE RESIDUE (MG/L)	FIXED NON-FILTERABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)	RESIDUE ON IGNITION (MG/L)	SPECIFIC CONDUCTANCE (MICRO-MHOS) (MG/L)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 01...	14	8	100	64	146	20	5	14	8.3
29...	4	2	124	101	210	6	5	7	8.6
APR. 21...	14	11	91	71	119	17	5	10	--
MAY 21...	5	1	106	70	177	3	2	7	2.1

01330500 KAYADEROSSERAS CREEK NEAR WEST MILTON, N.Y.

LOCATION.--Lat 43°02'18", long 73°54'35", Saratoga County, temperature recorder at gaging station on left bank 600 ft (183 m) downstream from Glowee Creek, 1.0 mi (1.6 km) east of West Milton, and 3.5 mi (5.6 km) northwest of Ballston Spa.

DRAINAGE AREA.--90 mi² (233 km²), approximately.

PERIOD OF RECORD.--Chemical analyses: October 1953 to June 1955.

Water temperatures: October 1952 to June 1970; June 1971 to September 1975.

EXTREMES.--1974-75:

Water temperatures: Maximum, 25.5°C Aug. 2; minimum, 0.5 °C on many days during winter period.

Period of record:

Water temperatures: Maximum, (1952-69,71-75) 28.5°C July 10, 1955; minimum, (1952-70, 72-75) freezing point on many days during winter periods most years.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
(CONTINUOUS ETHYL ALCOHOL-ACTUATED THERMOGRAPH)

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	11.5	9.5	11.5	10.0	0.5	0.5	1.0	0.5	0.5	0.5	1.5	1.0
2	9.5	9.0	11.5	9.0	0.5	0.5	1.0	0.5	0.5	0.5	1.0	0.5
3	9.0	8.0	9.0	7.0	1.5	0.5	0.5	0.5	0.5	0.5	1.0	0.5
4	8.0	7.0	9.0	8.0	1.5	0.5	0.5	0.5	0.5	0.5	1.0	0.5
5	9.0	7.0	9.0	8.5	1.0	1.0	1.0	0.5	0.5	0.5	1.0	
6	11.0	8.5	9.0	8.5	1.0	0.5	1.0	0.5	0.5	0.5	1.0	0.5
7	11.0	10.0	9.0	8.0	1.0	0.5	0.5	0.5	0.5	0.5	1.5	1.5
8	9.5	8.0	8.0	6.0	1.5	1.0	0.5	0.5	0.5	0.5	2.5	0.5
9	8.5	7.0	6.5	6.0	1.5	1.5	0.5	0.5	0.5	0.5	1.5	0.5
10	8.5	7.5	6.0	5.5	1.5	1.0	1.0	0.5	0.5	0.5	0.5	
11	8.5	7.0	5.5	4.5	1.5	1.0	1.5	1.0	0.5	0.5	1.0	0.5
12	9.0	7.5	6.0	4.5	1.5	1.5	1.5	1.0	0.5	0.5	1.0	0.5
13	9.5	8.5	7.0	6.0	2.0	1.5	1.5	1.5	0.5	0.5	3.0	0.5
14	8.5	7.5	6.5	5.5	2.5	2.0	1.0	0.5	0.5	0.5	2.0	0.5
15	10.0	8.5	5.5	4.5	2.5	1.5	0.5	0.5	0.5	0.5	1.5	
16	9.5	9.0	4.5	4.0	1.5	0.5	0.5	0.5	0.5	0.5	2.5	0.5
17	9.0	8.5	4.0	3.5	1.0	0.5	0.5	0.5	0.5	0.5	3.5	1.5
18	8.5	6.5	5.0	4.0	1.0	1.0	0.5	0.5	0.5	0.5	3.5	2.0
19	6.5	5.0	6.0	5.0	1.0	1.0	0.5	0.5	0.5	0.5	3.0	0.5
20	5.0	4.0	6.5	6.0	1.5	1.0	0.5	0.5	0.5	0.5	2.5	
21	4.0	3.0	6.5	5.0	1.5	1.0	0.5	0.5	0.5	0.5	1.5	0.5
22	5.5	3.5	5.0	3.0	1.0	0.5	0.5	0.5	0.5	0.5	1.0	0.5
23	7.5	5.0	3.0	2.5	1.5	1.0	0.5	0.5	0.5	0.5	2.5	1.0
24	7.0	5.5	3.5	2.0	2.0	1.5	0.5	0.5	0.5	0.5	2.5	1.0
25	6.0	5.0	4.0	3.5	1.5	0.5	0.5	0.5	0.5	0.5	2.5	1.0
26	6.5	5.0	3.5	1.5	1.0	0.5	0.5	0.5	0.5	0.5	2.5	1.5
27	6.5	5.0	1.5	1.0	1.0	0.5	0.5	0.5	1.0	0.5	1.5	0.5
28	5.0	4.0	1.0	1.0	0.5	0.5	0.5	0.5	1.0	0.5	2.0	1.0
29	6.0	4.0	1.5	1.0	0.5	0.5	0.5	0.5	---	---	2.0	1.0
30	8.0	6.0	1.5	1.0	1.0	0.5	0.5	0.5	---	---	2.5	1.0
31	10.0	8.0	---	---	1.0	0.5	0.5	0.5	---	---	3.0	
MONTH	11.5	3.0	11.5	1.0	2.5	0.5	1.5	0.5	1.0	0.5	3.5	0.5
DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	4.0	2.0	10.5	9.0	15.5	15.0	22.0	17.5	24.5	20.5	17.0	15.5
2	3.0	2.5	10.0	9.0	17.5	14.0	22.0	17.5	25.5	21.5	16.0	15.5
3	2.5	1.0	11.0	7.5	16.0	13.0	22.5	19.5	25.0	22.5	17.5	15.0
4	1.5	1.0	10.5	9.0	15.0	12.5	22.0	18.0	25.0	22.0	17.0	15.5
5	2.0	1.0	11.5	8.5	14.5	12.0	23.0	18.0	23.0	21.0	18.5	
6	3.0	2.0	11.0	9.5	12.0	11.5	24.0	19.0	23.0	19.0	18.0	17.0
7	3.5	2.5	13.5	10.0	11.5	10.5	23.5	19.5	19.0	17.0	17.5	15.5
8	3.0	2.0	13.5	10.5	13.5	10.5	24.0	19.0	17.0	16.5	18.0	15.5
9	5.0	2.0	15.0	10.5	13.5	11.0	23.0	19.0	19.0	17.0	18.0	13.5
10	6.0	3.0	15.5	12.0	15.0	10.0	22.0	18.0	19.5	18.0	15.5	
11	6.5	3.5	16.0	11.5	17.0	12.0	23.0	19.0	20.5	18.5	16.0	13.5
12	6.0	3.5	15.0	12.5	16.5	13.5	21.5	19.0	21.0	20.0	16.5	16.0
13	5.0	4.0	14.0	13.0	14.5	13.5	19.5	18.5	21.0	20.0	16.5	14.0
14	7.0	3.5	16.0	12.0	16.5	14.0	18.5	18.0	21.5	20.5	14.5	11.0
15	6.5	4.5	16.5	13.5	16.5	16.0	21.0	18.0	21.5	20.0	13.0	
16	7.5	5.5	17.0	14.5	16.5	15.5	20.5	19.0	20.5	19.5	13.0	11.5
17	8.5	6.0	17.0	14.0	17.5	15.0	22.0	19.0	20.0	19.0	14.0	13.0
18	8.0	6.0	16.5	14.0	19.0	16.5	23.0	20.0	20.5	19.0	14.5	14.0
19	7.5	6.5	18.5	14.0	18.5	16.5	22.5	20.5	20.5	18.0	14.5	14.0
20	7.5	6.0	18.5	15.5	19.5	16.5	22.0	20.5	20.0	17.5	15.5	
21	7.5	5.5	19.0	16.0	19.0	15.0	21.5	19.5	19.5	17.5	16.5	15.5
22	8.0	5.0	19.5	16.0	20.5	15.5	21.0	19.5	20.5	19.0	16.5	15.0
23	9.0	6.0	20.5	16.5	22.5	18.0	21.5	17.5	20.5	18.0	16.0	14.5
24	9.0	8.0	20.5	17.0	24.0	20.0	21.5	19.0	20.0	18.0	15.0	13.5
25	8.0	7.0	18.5	16.0	23.0	20.5	20.5	18.5	19.0	17.5	14.5	
26	9.0	7.0	17.0	14.0	21.0	18.0	19.5	16.5	20.0	19.0	14.0	13.0
27	8.0	6.5	17.0	15.0	21.0	17.0	20.0	15.0	20.5	19.5	15.0	14.0
28	8.0	5.5	18.0	14.0	20.0	18.5	20.5	17.5	20.0	18.5	15.0	13.0
29	9.0	6.0	18.0	14.0	22.0	18.0	20.5	17.0	20.0	18.5	14.0	12.0
30	11.0	7.0	18.5	13.5	22.5	18.5	21.5	17.0	19.0	17.5	13.5	11.0
31	---	---	15.0	12.5	---	---	22.5	18.5	17.5	17.0	---	---
MONTH	11.0	1.0	20.5	7.5	24.0	10.0	24.0	15.0	25.5	16.5	18.5	11.0

01330770 KAYADEROSSERAS CREEK AT SARATOGA SPRINGS, N.Y.

LOCATION.--Lat 43°02'37", long 73°46'16", Saratoga County, at bridge on Nelson Avenue, 200 ft (61 m) south of Kaydeross Avenue in Saratoga Springs, and 200 ft (61 m) upstream from Bear Swamp Outlet.

DRAINAGE AREA.--173 mi² (448 km²).

PERIOD OF RECORD.--Chemical analyses: January 1973 to May 1975 (discontinued).

REMARKS.--New York State Water Quality Surveillance Network station number 11 3320.

COOPERATION.--Samples furnished by New York State Department of Environmental Conservation.

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)
OCT. 28...	1255	320	100	29	9.5	12	1.6	115	94	11	19
JAN. 13...	1330	260	10	21	6.2	7.0	.3	73	60	16	14
APR. 07...	1210	310	20	27	7.2	7.4	.7	73	60	13	14
MAY 21...	1345	280	50	15	5.2	5.5	.6	62	51	11	11
MAY 19...	1050	420	40	30	7.9	8.9	.8	102	84	11	14

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	FIXED NON-FILTERABLE RESIDUE (MG/L)
OCT. 28...	.13	.03	.16	.22	.25	.47	.63	.04	.03	0	0
JAN. 13...	.37	.01	.38	.07	.24	.31	.69	.03	.01	4	1
APR. 07...	.35	.01	.36	.07	.17	.24	.60	.02	.01	3	3
MAY 21...	.21	.01	.22	.03	.18	.21	.43	.03	.02	8	6
MAY 19...	.17	.02	.19	.08	.21	.29	.48	.04	.01	6	5

DATE	TOTAL RESIDUE (MG/L)	RESIDUE ON IGNITION (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)
OCT. 28...	159	150	288	10	2	12	6.0	0	0	3	<.5
JAN. 13...	137	88	220	20	5	14	3.6	--	--	--	--
APR. 07...	124	86	199	19	3	11	2.7	--	--	--	--
MAY 21...	102	61	162	14	3	14	4.7	--	--	--	--
MAY 19...	150	100	245	11	2	14	3.9	--	--	--	--

01330885 FISH CREEK AT SARATOGA SPRINGS, N.Y.

LOCATION.--Lat 43°04'27", long 73°41'45", Saratoga County, at Staffords Bridge at Saratoga Springs corporate boundary and 2.2 mi (3.5 mi) downstream from Saratoga Lake.

DRAINAGE AREA.--229 mi² (593 km²).

PERIOD OF RECORD.--Chemical analyses: January 1973 to May 1975 (discontinued).

REMARKS.--New York State Water Quality Surveillance Network station number 11 1311.

COOPERATION.--Samples furnished by New York State Department of Environmental Conservation.

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)
OCT. 28...	1220	150	100	26	7.4	11	.8	93	76	12	18
JAN. 13...	1230	90	50	29	7.2	10	.9	98	80	17	17
FEB. 10...	1255	160	70	31	7.2	11	1.4	96	79	16	20
MAR. 10...	1155	170	70	25	7.1	11	1.1	97	80	16	19
APR. 07...	1150	260	70	22	6.4	9.3	1.0	80	66	14	16
MAY 21...	1315	210	50	21	6.4	9.2	1.0	81	66	14	17
MAY 19...	1130	150	40	23	6.4	9.3	.9	88	72	14	14

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	FIXED NON-FILTERABLE RESIDUE (MG/L)
OCT. 28...	.00	.03	.01	.16	.38	.54	.55	.02	.00	0	0
JAN. 13...	.23	.01	.24	.18	.23	.41	.65	.03	.01	0	0
FEB. 10...	.22	.00	.22	.12	.16	.28	.50	.03	.02	14	10
MAR. 10...	.22	.01	.23	.12	.23	.35	.58	.02	.00	1	1
APR. 07...	.28	.01	.29	.14	.18	.32	.61	.03	.01	7	5
MAY 21...	.31	.01	.32	.07	.15	.22	.54	.04	.02	6	6
MAY 19...	.21	.01	.22	.05	.20	.25	.47	.02	.01	10	6

DATE	TOTAL RESIDUE (MG/L)	RESIDUE ON IGNITION (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	COLOR (PLATINUM-CORALT UNITS)	TURBIDITY (JTU)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MERCURY (MG) (UG/L)
OCT. 28...	141	136	250	10	3	15	4.4	1	10	3	<.5
JAN. 13...	147	126	273	3	2	13	4.4	--	--	--	--
FEB. 10...	140	125	263	20	3	15	3.5	--	--	--	--
MAR. 10...	159	124	261	20	2	12	3.8	--	--	--	--
APR. 07...	125	88	221	26	3	12	3.3	--	--	--	--
MAY 21...	128	89	220	12	3	14	3.7	--	--	--	--
MAY 19...	150	112	233	7	1	13	3.7	--	--	--	--

HUDSON RIVER BASIN

01330915 FISH CREEK AT SCHUYLerville, N.Y.

LOCATION.--Lat 43°05'50", long 73°34'39", Saratoga County, 200 ft (61 m) upstream from mouth in Schuylerville and 0.3 mi (0.5 km) downstream from U.S. Highway 4.

DRAINAGE AREA.--252 mi² (653 km²).

PERIOD OF RECORD.--Chemical analyses: January 1973 to April 1975 (discontinued).

REMARKS.--New York State Water Quality Surveillance Network station number 11 1301.

COOPERATION.--Samples furnished by New York State Department of Environmental Conservation.

CHEMICAL ANALYSES, OCTOBER 1974 TO APRIL 1975

DATE	TIME	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)
OCT. 28...											
JAN. 13...	1125	170	80	27	7.4	10	.8	93	76	13	17
FEB. 10...	1030	340	50	27	7.0	2.4	.9	93	76	17	15
MAR. 10...	1145	220	60	27	7.4	11	1.2	98	80	17	20
APR. 10...	1100	220	70	27	7.1	11	1.2	96	79	16	18
APR. 07...	1105	350	60	32	7.5	2.3	1.0	81	66	15	16

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	FIXED NON-FILTERABLE RESIDUE (MG/L)
OCT. 28...											
JAN. 13...	.06	.03	.09	.23	.37	.60	.69	.03	.01	1	0
FEB. 10...	.46	.02	.48	.18	.40	.58	1.1	.05	.02	7	6
MAR. 10...	.27	.00	.27	.11	.28	.39	.66	.03	.02	16	13
APR. 10...	.25	.01	.26	.12	.09	.21	.47	.04	.07	11	7
APR. 07...	.32	.01	.33	.13	.18	.31	.64	.04	.01	11	9

DATE	TOTAL RESIDUE (MG/L)	RESIDUE ON IGNITION (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	COLOR (PLATINUM-CORAL UNITS)	TURBIDITY (JTU)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)
OCT. 28...											
JAN. 13...	136	132	248	10	3	16	4.9	1	10	2	<.5
FEB. 10...	166	125	262	10	8	15	3.9	--	--	--	--
MAR. 10...	136	116	267	20	4	15	4.3	--	--	--	--
APR. 10...	155	119	262	20	3	13	8.4	--	--	--	--
APR. 07...	138	112	225	17	5	14	3.5	--	--	--	--

01331095 HUDSON RIVER AT STILLWATER, N.Y.

LOCATION.--Lat 42°56'16", long 73°39'04", Saratoga and Rensselaer Counties, at bridge on State Highway 67 in Stillwater and 0.9^{mi} (1.4 km) upstream from Hoosic River.

DRAINAGE AREA.--3,773 mi² (9,772 km²).

PERIOD OF RECORD.--Chemical analyses: April 1969 to May 1975 (discontinued).

REMARKS.--New York State Water Quality Surveillance Network station number 11 0005.

COOPERATION.--Samples furnished by New York State Department of Environmental Conservation.

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG)	TOTAL SODIUM (NA) (MG/L)	TOTAL PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	ALKA- LINIT- Y AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
OCT.											
2R...	1100	290	80	11	3.2	4.5	.8	31	25	11	4.1
DEC.											
04...	1145	320	40	20	2.8	4.2	.2	38	31	15	4.8
JAN.											
13...	1045	780	30	13	3.3	3.0	.5	40	33	13	4.2
FEB.											
10...	1100	210	40	15	2.7	3.5	.6	33	27	11	5.5
MAR.											
10...	1025	450	40	15	3.0	4.3	.7	36	30	12	5.2
APR.											
07...	1035	510	50	--	6.2	4.5	.7	49	40	13	7.0
28...	1015	320	40	9.3	2.0	2.1	.5	21	17	8.0	3.0
MAY											
27...	1030	360	60	12	1.2	2.7	.4	27	22	9.5	5.4

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	FIXED NON- FILT- RABLE RESIDUE (MG/L)
OCT.											
2R...	.44	.03	.47	.37	.24	.61	1.1	.02	.01	5	0
DEC.											
04...	.38	.00	.38	.24	.43	.67	1.1	.01	.01	3	2
JAN.											
13...	.51	.01	.52	.15	.36	.51	1.0	.05	.02	14	12
FEB.											
10...	.44	.00	.44	.14	.15	.29	.73	.02	.01	17	13
MAR.											
10...	.45	.01	.46	.22	.23	.45	.91	.02	.00	16	12
APR.											
07...	.54	.01	.55	.19	.05	.24	.79	.03	.01	13	10
28...	.52	.01	.53	.11	.24	.35	.88	.02	.01	2	1
MAY											
27...	.37	.01	.38	.13	.18	.31	.69	.02	.01	6	4

DATE	TOTAL RESI- DUCE (MG/L)	RESIDUE ON IGNI- TION (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	CHEM- ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)
OCT.											
2R...	66	58	116	10	5	16	4.6	0	10	3	4.5
DEC.											
04...	81	53	118	20	7	18	4.0	--	--	--	--
JAN.											
13...	98	64	120	20	20	14	4.5	--	--	--	--
FEB.											
10...	54	38	108	20	7	12	5.8	--	--	--	--
MAR.											
10...	93	63	118	20	9	17	3.9	--	--	--	--
APR.											
07...	98	73	142	19	9	15	3.6	--	--	--	--
28...	61	43	71	14	4	13	5.1	--	--	--	--
MAY											
27...	64	52	89	11	3	13	7.5	--	--	--	--

HUDSON RIVER BASIN

369

01333350 HOOSIC RIVER NEAR NORTH POWNAL, VT.

LOCATION.--Lat 42°48'33", long 73°17'12", Rensselaer County, N.Y.-Bennington County-Vt., at bridge on New York-Vermont State Highway 346, at state line, and 1.3 mi (2.1 km) northwest of North Pownal, Vt.

DRAINAGE AREA.--302 mi² (782 km²).

PERIOD OF RECORD.--Chemical analyses: August 1969 to May 1975 (discontinued).

REMARKS.--New York State Water Quality Surveillance network station number 11 1432.

COOPERATION.--Samples furnished by New York State Department of Environmental Conservation.

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)
OCT.										
01...	0945	768	800	90	19	5.2	5.7	1.3	69	57
29...	0920	475	350	110	26	11	9.7	1.0	107	88
FEB.										
19...	1125	363	390	140	28	7.0	28	1.3	101	83
MAR.										
11...	1045	522	260	50	23	6.5	10	1.0	91	75
APR.										
08...	1135	--	810	100	21	6.2	7.3	.8	71	58
22...	1100	1800	610	60	11	3.3	3.3	.6	38	31
MAY										
21...	0930	576	290	60	10	6.9	7.0	.9	82	67

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KjFELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
OCT.										
01...	12	6.9	.49	.01	.50	.16	.23	.39	.69	.42
29...	16	13	.79	.02	.81	.62	.19	.81	1.6	.61
FEB.										
19...	17	43	.97	.02	.99	.50	.08	.58	1.6	.36
MAR.										
11...	15	16	.54	.01	.55	.23	.31	.54	1.1	.11
APR.										
08...	13	12	.51	.01	.52	.14	.11	.25	.77	.04
22...	10	5.6	.41	.01	.42	.06	.14	.20	.62	.07
MAY										
21...	13	9.3	.33	.04	.37	.12	.04	.16	.53	.06

DATE	TOTAL ORTHO-PHOSPHORUS (P) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	FIXED NON-FILTERABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)	RESIDUE ON IGNITION (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT.										
01...	.06	36	30	143	110	167	3	20	14	5.0
29...	.50	12	9	162	133	255	6	6	12	5.8
FEB.										
19...	.31	11	5	198	178	359	9	6	13	4.2
MAR.										
11...	.12	14	10	138	116	241	8	5	8	2.2
APR.										
08...	.02	10	8	116	83	107	4	5	8	3.2
22...	.03	12	11	78	51	106	5	8	7	2.0
MAY										
21...	.03	6	4	120	103	200	1	2	9	1.7

HUDSON RIVER BASIN

01335400 HOOSIC RIVER NEAR STILLWATER, N.Y.

LOCATION.--Lat 42°55'56", long 73°39'07", Rensselaer County, off north bank 0.5 mi (0.8 km) upstream from mouth, 0.4 mi (0.6 km) southeast of Stillwater and 2.8 mi (4.5 km) downstream from Tomhannock Creek.

DRAINAGE AREA.--713 mi² (1,847 km²).

PERIOD OF RECORD.--Chemical analyses: February 1973 to May 1975 (discontinued).

REMARKS.--New York State Water Quality Surveillance Network station number 11 1402.

COOPERATION.--Samples furnished by New York State Department of Environmental Conservation.

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)
OCT. 28...	1030	170	80	26	8.0	8.5	1.2	91	75	12	12
APR. 07...	1010	660	140	27	6.0	5.4	.8	62	51	13	9.3
MAY 19...	1215	630	80	20	5.4	4.5	.8	70	57	10	4.1

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL- DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHOPHOSPHORUS (P) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	FIXED NON-FILTERABLE RESIDUE (MG/L)
OCT. 28...	.37	.04	.41	.14	.34	.48	.89	.06	.03	0	0
APR. 07...	.65	.01	.66	.08	.08	.15	.82	.04	.02	21	18
MAY 19...	.39	.02	.41	.06	.18	.24	.65	.06	.03	12	11

DATE	TOTAL RESIDUE (MG/L)	RESIDUE ON IGNITION (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	COLOR (PLATINUM CORAL UNITS)	TURBIDITY (JTU)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)
OCT. 28...	134	100	231	10	3	9	3.6	0	30	7	<.5
APR. 07...	113	85	169	17	10	7	1.7	--	--	--	--
MAY 19...	107	70	169	2	6	10	2.2	--	--	--	--

HUDSON RIVER BASIN

01335770 HUDSON RIVER AT WATERFORD, N.Y.

LOCATION (revised).--Lat 42°47'19", long 73°40'28", at Saratoga-Rensselaer county line, at bridge on U.S. Highway 4 in Waterford, and 0.4 mi (0.6 km) upstream from first branch of Mohawk River.

DRAINAGE AREA.--4,620 mi² (11,966 km²).

PERIOD OF RECORD.--Chemical analyses: April 1969 to September 1975.

REMARKS.--New York State Water Quality Surveillance Network station number 11 0003. Prior to April 1975 sampling site at Waterford Water Supply intake lat 42°47'38", long 73°40'24", 0.3 mi (0.5 km) upstream (New York State Water Quality Surveillance Network station number 11 0002). Water discharge data are based on records for 01357499 diversion from Mohawk River at Crescent Dam, 01357500 Mohawk River at Croton, and 01358000 Hudson River at Green Island.

COOPERATION.--Samples furnished by New York State Department of Environmental Conservation.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS-CHARGE (CFS)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)
OCT. 07...	1000	E6030	18	5.2	5.5	.8	49	40	18	8.1	.46	.01
22...	1045	E6240	13	4.0	5.0	1.0	40	33	16	6.8	.47	.00
NOV. 04...	1030	E3990	17	3.7	6.0	1.4	45	37	17	12	.43	.00
18...	0940	E7920	11	2.4	4.0	1.0	38	31	13	6.4	.32	.00
DEC. 09...	1035	E10900	15	3.6	4.5	.6	43	35	13	7.0	.44	.00
JAN. 06...	1000	E6520	15	3.1	4.0	.3	38	31	17	4.5	.37	.01
20...	0945	E12300	14	3.6	4.3	.6	41	34	13	5.3	.53	.00
FEB. 03...	0930	E9750	14	3.0	4.8	.6	36	30	11	6.4	.43	.01
18...	0945	E7500	15	2.9	5.4	.7	39	32	12	6.9	.45	.01
MAR. 03...	0945	E12700	17	4.2	4.4	1.0	43	35	14	7.3	3.4	.01
17...	0930	E9370	13	5.2	3.7	.6	39	32	15	7.6	.46	.01
31...	1015	E11100	18	3.5	4.0	.7	43	35	12	5.7	.47	.02
APR. 14...	1040	E8390	25	6.2	6.5	1.0	59	48	14	13	.59	.00
29...	1300	E15500	12	2.6	2.6	.5	25	21	9.8	8.2	.84	.01
MAY 12...	1015	E12600	10	2.2	2.9	.6	25	21	8.9	6.4	.44	.00
27...	1145	E7420	14	2.5	3.6	.5	31	25	11	10	.40	.02
JULY 28...	1300	E4500	--	--	--	--	--	--	--	--	--	--
AUG. 26...	1300	E4320	--	--	--	--	--	--	--	--	--	--
29...	1000	E5100	--	--	--	--	--	--	--	--	--	--
SEP. 05...	0930	E6080	--	--	--	--	--	--	--	--	--	--
12...	0900	E5300	--	--	--	--	--	--	--	--	--	--
19...	0830	E7400	--	--	--	--	--	--	--	--	--	--
26...	1030	E15900	--	--	--	--	--	--	--	--	--	--
30...	1330	E16100	17	3.0	3.6	.9	37	30	10	8.8	--	--

E Estimated value.

CONTINUED NEXT PAGE

HUDSON RIVER BASIN

01335770 HUDSON RIVER AT WATERFORD, N.Y.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (PESI-DUE AT 180 C) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	FIXED NON-FILT-RABLE RESIDUE (MG/L)	TOTAL RESI-DUE (MG/L)	RESIDUE ON IGNI-TION (MG/L)
OCT. 07...	.47	.42	.18	.60	1.1	.02	.01	--	11	5	125	64
22...	.47	.33	.15	.48	.95	.03	.00	--	5	2	104	104
NOV. 04...	.43	.34	.11	.45	.88	.03	.01	--	3	3	104	74
18...	.32	.22	.14	.36	.68	.03	.02	--	9	3	83	44
DEC. 09...	.44	.35	.19	.54	.98	.03	.01	--	11	9	92	70
JAN. 06...	.38	.32	.27	.59	.97	.02	.01	--	2	1	77	47
20...	.53	.29	.19	.48	1.0	.02	.01	--	5	4	91	67
FEB. 03...	.44	.18	.03	.21	.65	.02	.01	--	6	3	86	60
18...	.46	.18	.22	.40	.86	.02	.01	--	9	4	78	60
MAR. 03...	3.4	.21	.15	.36	3.8	.03	.01	--	2	0	91	65
17...	.47	.18	.17	.35	.82	.02	.01	--	4	4	96	45
31...	.49	.09	.24	.33	.82	.02	.00	--	4	0	91	72
APR. 14...	.59	.09	.26	.35	.94	.04	.01	--	22	7	131	93
29...	.85	.08	.15	.23	1.1	.02	.01	--	4	3	80	62
MAY 12...	.44	.08	.22	.30	.74	.03	.00	--	7	2	64	64
27...	.42	.08	.24	.32	.74	.03	.01	--	3	1	93	64
JULY 28...	.57	.16	.51	.67	1.2	.06	--	118	15	--	--	--
AUG. 26...	.59	.05	.49	.54	1.1	.03	--	113	12	--	--	--
29...	--	--	--	--	--	--	--	--	--	--	--	--
SEP. 05...	--	--	--	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--	--	--
19...	--	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--	--
30...	.28	.04	.66	.70	.98	.06	--	110	25	--	--	--

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COHALT UNITS)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	CHEM-ICAL OXYGEN DEMAND (FLOW LEVEL) (MG/L)	CHLORO-PHYLL A (UG/L)	CHLORO-PHYLL B (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	OIL AND GREASE (MG/L)
OCT. 07...	151	--	--	10	5	--	--	19	--	--	7.9	--
22...	139	--	--	10	5	--	--	15	1.0	.0	7.6	--
NOV. 04...	155	--	--	20	7	--	--	16	--	--	8.3	--
18...	122	--	--	20	7	--	--	14	--	--	8.2	--
DEC. 09...	137	--	--	20	8	--	--	18	--	--	4.6	--
JAN. 06...	129	--	--	20	5	--	--	15	--	--	6.6	--
20...	142	--	--	20	5	--	--	12	--	--	4.1	--
FEB. 03...	111	--	--	20	4	--	--	14	--	--	3.7	--
18...	129	--	--	20	8	--	--	16	--	--	4.1	--
MAR. 03...	128	--	--	20	7	--	--	12	--	--	8.8	--
17...	128	--	--	20	5	--	--	12	--	--	4.9	--
31...	132	--	--	17	5	--	--	14	.0	.0	3.7	--
APR. 14...	169	7.7	6.5	9	7	--	--	22	--	--	6.1	--
29...	103	7.0	7.5	15	4	11.8	--	13	--	--	8.1	--
MAY 12...	89	7.0	12.5	9	3	10.2	--	14	--	--	4.2	--
27...	120	7.5	21.0	9	4	8.0	--	13	--	--	11	--
JULY 28...	155	8.4	25.0	--	4	7.4	--	18	.0	.0	4.2	--
AUG. 26...	--	8.2	24.0	--	4	8.8	103	19	.0	.0	4.6	--
29...	--	--	--	--	--	--	--	--	--	--	--	--
SEP. 05...	--	--	19.5	--	--	--	--	--	--	--	--	--
12...	--	--	20.5	--	--	--	--	--	--	--	--	--
19...	--	--	17.5	--	--	--	--	--	--	--	--	--
26...	--	--	16.0	--	--	--	--	--	--	--	--	--
30...	--	7.3	16.0	--	10	9.4	93	27	.0	.0	4.2	--

01335770 HUDSON RIVER AT WATERFORD, N.Y.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
OCT. 07...	0	1	10	10	--	240	6	--	50	<.5	30
22...	0	1	<10	30	--	700	5	--	160	<.5	260
NOV. 04...	1	0	10	40	--	330	2	--	50	<.5	170
18...	1	2	10	0	--	320	3	--	140	<.5	20
DEC. 09...	0	1	<10	10	--	440	5	--	60	<.5	60
JAN. 06...	1	1	<10	0	--	590	2	--	90	<.5	10
20...	0	2	0	0	--	230	4	--	40	<.5	0
FEB. 03...	0	1	0	0	--	190	7	--	40	<.5	10
18...	0	14	10	10	--	260	5	--	60	<.5	40
MAR. 03...	0	0	10	10	--	340	2	--	40	<.5	30
17...	0	1	10	10	--	270	1	--	40	<.5	40
31...	1	1	<10	0	--	280	3	--	40	<.5	60
APR. 14...	1	5	<10	10	--	570	6	--	70	<.5	40
29...	1	0	0	10	--	330	5	--	60	<.5	40
MAY 12...	1	1	0	0	--	330	16	--	110	<.5	20
27...	0	2	10	40	--	400	41	--	70	<.5	20
JULY 28...	0	0	<10	10	--	500	14	--	--	<.5	20
AUG. 29...	0	0	<10	10	--	260	10	--	--	<.5	20
26...	0	0	--	0	--	380	4	4	50	--	--
SEP. 05...	--	--	--	10	--	420	7	--	40	--	--
12...	--	--	--	10	0	440	6	9	60	--	--
19...	--	--	--	10	--	330	4	--	40	--	--
24...	--	--	--	10	0	460	6	6	80	--	--
30...	0	1	<10	10	--	450	200	--	--	<.5	40

PESTICIDE ANALYSES

DATE	TIME	TOTAL ALDRIN (UG/L)	TOTAL CHLOR-DANE (UG/L)	TOTAL DDT (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DIELDRIN (UG/L)
AUG. 29...	1000	.00	.0	.00	.00	.00	.00
SEP. 12...	0900	.00	.0	.00	.00	.00	.00
26...	1030	.00	.0	.00	.00	.00	.00

DATE	TOTAL ENDRIN (UG/L)	TOTAL HEPTA-CHLOR (UG/L)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL TOX-APHENE (UG/L)	TOTAL PCB (UG/L)
AUG. 29...	.00	.00	.00	.00	0	.3
SEP. 12...	.00	.00	.00	.00	0	.5
26...	.00	.00	.00	.00	0	.4

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS-CHARGE (CFS)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)	SUS. SED. SIEVE DIAM. & FINER THAN .062 MM
AUG. 29...	1000	E5100	5	E69	82
SEP. 05...	0930	E6080	8	E130	82
12...	0900	E5300	8	E110	69
19...	0830	E7400	14	E280	96
26...	1030	E15900	42	E1800	97

Estimated value.

01335771 HUDSON RIVER AT MONITOR AT WATERFORD, N.Y.

LOCATION.--Lat 42°47'17", long 73°40'33", Saratoga County, at New York State Water Quality Surveillance monitor on west bank, 300 ft (91 m) south of bridge on U.S. Highway 4 in Waterford.

DRAINAGE AREA.--4,620 mi² (11,966 km²).

PERIOD OF RECORD.--Chemical analyses: September 1971 to April 1975 (discontinued).

REMARKS.--New York State Water Quality Surveillance Network station number 11 0002. Water discharge data are based on records for 01357499 diversion from Mohawk River at Crescent Dam, 01357500 Mohawk River at Cohoes, and 01358000 Hudson River at Green Island.

COOPERATION.--Samples furnished by New York State Department of Environmental Conservation.

CHEMICAL ANALYSES, OCTOBER 1974 TO APRIL 1975

DATE	TIME	DIS-CHARGE (CFS)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)
OCT. 28...	0930	E4340	24	4.7	6.5	1.0	49	40	12	25	.41
DEC. 04...	1045	E9740	19	3.5	7.0	.2	51	42	14	17	.40
JAN. 13...	1000	E14900	20	4.0	4.5	.8	46	38	14	9.8	.52
FEB. 10...	1000	E4990	20	3.7	5.7	.8	45	37	14	13	.45
MAR. 10...	0945	E10100	17	3.9	5.3	.9	49	40	13	14	.52
APR. 07...	0930	E11100	29	5.0	5.3	.9	54	44	14	11	.60

DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KjELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	FIXED NON-FILTERABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)
OCT. 28...	.03	.44	.44	.43	.87	1.3	.07	.02	12	8	148
DEC. 04...	.00	.40	.18	.40	.58	.98	.02	.01	5	4	122
JAN. 13...	.01	.53	.16	.29	.45	.98	.06	.02	22	18	132
FEB. 10...	.00	.45	.23	.19	.42	.87	.04	.01	16	13	82
MAR. 10...	.01	.53	.21	.13	.34	.87	.04	.01	12	8	115
APR. 07...	.01	.01	.15	.15	.30	.31	.04	.02	18	14	112

DATE	RESIDUE ON IGNITION (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)
OCT. 28...	114	211	20	7	24	9.0	30	470	7	110	.5
DEC. 04...	79	180	20	7	17	4.0	--	370	--	60	--
JAN. 13...	85	156	20	20	16	4.4	--	900	--	50	--
FEB. 10...	74	156	20	7	13	6.6	--	250	--	50	--
MAR. 10...	80	167	30	10	18	4.7	--	530	--	80	--
APR. 07...	75	164	27	10	12	3.1	--	620	--	60	--

E Estimated value.

HUDSON RIVER BASIN

375

01336000 MOHAWK RIVER BELOW DELTA DAM, NEAR ROME, N.Y.

LOCATION.--Lat 43°15'52", long 75°26'12", Oneida County, temperature recorder at gaging station on right bank at Rome Fish Hatchery, 1.0 mi (1.6 km) downstream from Delta Dam, and 4.0 mi (6.4 km) north of Rome.

DRAINAGE AREA.--150 mi² (389 km²).

PERIOD OF RECORD.--Water temperatures: October 1960 to September 1962, October 1963 to December 1965, September 1966 to September 1972, April 1974 to September 1975.

EXTREMES.--1974-75:

Water temperatures: Maximum, 23.5°C Aug. 18-20; minimum, 1.0°C Jan. 11-13, Mar. 25-26.

Period of record:

Water temperatures: Maximum, 24.0°C on several days during September 1961 and July 1962; minimum (1960-62, 1963-72, 75), freezing point on many days during winter periods 1967, 1971, and 1972.

REMARKS.--Prior to May 1964 water temperature measurements were made at Delta Dam, 1 mile upstream from present site. Thermograph installed September 1966. No record Apr. 21-25.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
(CONTINUOUS ETHYL ALCOHOL-ACTUATED THERMOGRAPH)

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

CONTINUED NEXT PAGE

HUDSON RIVER BASIN

01336000 MOHAWK RIVER BELOW DELTA DAM, NEAR ROME, N.Y.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

(CONTINUOUS ETHYL ALCOHOL-ACTUATED THERMOGRAPH)

DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	2.0	1.5	6.0	5.5	10.0	9.0	14.0	11.5	20.5	18.5	19.0	19.0
2	2.0	1.5	6.5	5.5	11.0	9.0	14.0	11.5	20.0	18.5	19.0	19.0
3	1.5	1.5	7.0	6.5	10.0	9.0	14.0	12.0	20.0	18.5	20.0	18.0
4	1.5	1.5	6.5	6.0	11.0	9.0	14.5	12.0	20.0	19.0	19.0	18.0
5	2.0	1.5	7.0	6.0	9.5	9.0	15.0	12.0	20.5	19.0	19.5	18.0
6	2.0	1.5	7.0	6.5	10.0	9.5	15.0	12.5	21.0	20.0	19.0	18.0
7	2.0	2.0	7.5	6.5	10.0	9.5	15.0	13.0	21.0	20.0	19.5	18.0
8	3.0	2.0	7.5	6.5	11.5	9.0	15.0	13.0	22.0	20.5	19.5	18.0
9	3.5	2.0	9.0	6.5	12.0	9.5	14.5	13.5	22.5	20.5	19.0	18.0
10	2.5	2.0	9.0	6.5	12.0	9.5	15.5	13.0	22.0	21.0	20.0	18.0
11	2.5	2.0	9.0	6.5	12.5	9.5	15.0	13.5	22.5	21.0	20.5	18.0
12	2.5	2.0	8.0	7.0	10.5	10.0	15.5	14.0	22.5	21.0	19.0	17.5
13	2.5	2.0	9.0	7.0	12.0	10.5	15.0	14.0	22.5	20.5	18.5	17.0
14	3.0	2.0	10.0	7.0	13.0	10.0	15.0	14.0	22.5	21.0	18.5	17.0
15	2.5	2.0	9.5	7.5	13.0	10.0	16.0	14.5	22.5	21.0	18.0	17.0
16	3.0	2.5	9.5	7.5	12.0	10.5	16.0	14.5	22.5	22.0	17.0	16.5
17	3.0	2.5	10.5	7.5	13.0	10.5	17.0	14.5	23.0	22.0	17.0	16.0
18	2.5	2.5	8.5	8.0	12.5	10.5	17.0	15.0	23.5	22.0	16.5	16.0
19	3.0	2.0	10.5	8.0	11.5	10.5	17.0	15.5	23.5	22.0	16.0	16.0
20	2.5	2.0	10.5	9.0	13.0	10.0	17.0	15.5	23.5	22.0	16.5	16.0
21	---	---	10.0	8.0	13.5	10.0	17.0	16.0	23.0	21.5	16.5	16.0
22	---	---	10.5	8.0	13.0	10.5	17.5	16.0	23.0	21.5	16.5	16.0
23	---	---	10.5	8.0	13.5	10.5	18.0	16.0	23.0	21.5	16.5	16.0
24	---	---	10.5	8.5	13.5	11.0	17.5	16.5	22.0	21.0	16.0	15.0
25	---	---	10.5	8.5	13.0	11.0	18.0	16.5	22.5	21.0	16.0	16.0
26	5.0	4.0	10.0	8.5	13.5	11.0	18.0	16.5	23.0	21.5	16.5	16.0
27	5.5	5.0	9.5	8.5	14.0	11.0	19.5	16.5	22.0	21.0	17.0	16.5
28	6.0	5.0	11.5	8.5	11.5	11.0	19.0	18.0	22.5	20.5	17.0	16.5
29	6.0	5.0	11.5	8.5	13.5	11.0	19.5	18.0	21.5	20.0	17.0	16.0
30	7.0	5.0	9.5	9.0	14.0	11.0	20.0	18.0	21.0	20.0	16.5	16.0
31	---	---	10.5	9.0	---	---	20.0	18.0	21.0	19.0	---	15.0
MONTH	7.0	1.5	11.5	5.5	14.0	9.0	20.0	11.5	23.5	18.5	20.5	15.0

01346495 MOHAWK RIVER ABOVE LITTLE FALLS, N.Y.

LOCATION.--Lat 43°02'05", long 74°51'57", Herkimer County, at Erie (Barge) Canal terminal building on south bank in Little Falls and 0.1 mi (0.2 km) upstream from highway bridge and dams.

DRAINAGE AREA.--1,285 mi² (3,328 km²).

PERIOD OF RECORD.--Chemical analyses: April 1973 to May 1975 (discontinued).

REMARKS.--New York State Water Quality Surveillance Network station number 12 0350.

COOPERATION.--Samples furnished by New York State Department of Environmental Conservation.

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	TOTAL IRON (FF) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
OCT. 15...	1130	530	50	33	6.6	5.0	1.2	95	74	23
NOV. 12...	1120	470	70	20	5.4	4.5	1.0	93	76	21
DEC. 16...	1145	730	110	35	6.2	4.8	1.4	95	74	21
FEB. 24...	1145	1800	130	32	7.8	10	1.7	108	89	23
MAR. 24...	1145	1100	60	27	5.2	4.6	1.2	95	74	17
APR. 22...	0930	680	60	27	4.7	3.3	.8	78	64	15
MAY 20...	0945	470	60	24	4.7	3.8	.8	79	65	19

DATE	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHOPHOSPHORUS (P) (MG/L)
OCT. 15...	4.1	.45	.01	.46	.37	.17	.54	1.0	.05	.03
NOV. 12...	5.3	.43	.01	.44	.19	.37	.56	1.0	.07	.04
DEC. 16...	7.7	.80	.01	.81	.13	.21	.34	1.2	.05	.02
FEB. 24...	17	.90	.02	.92	.34	.37	.71	1.6	.15	.04
MAR. 24...	4.1	.88	.01	.89	.15	.38	.53	1.4	.06	.02
APR. 22...	5.6	.97	.01	.98	.13	.17	.30	1.2	.04	.04
MAY 20...	5.8	.95	.03	.98	.13	.19	.32	1.2	.05	.02

DATE	TOTAL NON-FILTERABLE RESIDUE (MG/L)	FIXED NON-FILTERABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)	RESIDUE ON IGNITION (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	COLOR (PLATINUM-COHALT UNITS)	TURBIDITY (JTU)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 15...	16	11	173	129	250	10	8	12	8.4
NOV. 12...	14	9	146	114	215	10	7	8	9.2
DEC. 16...	14	12	151	124	240	20	9	13	3.8
FEB. 24...	60	34	220	199	288	40	40	19	7.1
MAR. 24...	30	24	164	84	226	20	15	13	3.0
APR. 22...	16	14	124	85	183	14	10	10	2.2
MAY 20...	14	13	141	96	188	3	5	11	3.3

01348002 EAST CANADA CREEK NEAR ST. JOHNSVILLE, N.Y.

LOCATION.--Lat 43°00'21", long 74°44'30", Herkimer County, at bridge 0.1 mi (0.2 km) upstream from bridge on State Highway 5, 0.6 mi (1.0 km) upstream from mouth, 0.6 mi (1.0 km) downstream from gaging station (01348000) at East Creek, and 2.7 mi (4.3 km) northwest of St. Johnsville.

DRAINAGE AREA.--291 mi² (754 km²) at gage.

PERIOD OF RECORD.--Chemical analyses: October 1972 to February 1975 (discontinued).

REMARKS.--New York State Water Quality Surveillance network station number 12 1310.

COOPERATION.--Samples furnished by New York State Department of Environmental Conservation.

CHEMICAL ANALYSES, OCTOBER 1974 TO FEBRUARY 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CF5)	TOTAL IRON (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)
OCT. 15...	1200	E1090	230	50	11	2.8	1.8	.3	35	29
DEC. 16...	1100	E1670	530	110	16	2.5	1.3	.2	22	18
FEB. 24...	1115	E1470	230	60	9.5	2.3	2.1	.5	36	30

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
OCT. 15...	8.8	1.3	.11	.00	.11	.24	.12	.36	.47	.02
DEC. 16...	7.6	1.5	.46	.00	.46	.06	.17	.23	.69	.02
FEB. 24...	7.4	2.4	.46	.01	.47	.08	.14	.22	.69	.02

DATE	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	TOTAL NON-FILTRABLE RESIDUE (MG/L)	FIXED NON-FILTRABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)	RESIDUE ON IGNITION (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS) (MG/L)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 15...	.01	6	1	71	42	87	30	3	15	6.2
DEC. 16...	.01	6	2	52	33	70	20	2	25	2.8
FEB. 24...	.01	5	1	65	39	86	20	4	10	3.5

E Estimated value.

HUDSON RIVER BASIN

379

01348795 MOHAWK RIVER AT LOCK 15, AT FORT PLAIN, N.Y.

LOCATION.--Lat 42°56'20", long 73°37'20", Montgomery County, at Erie (Barge) Canal Lock 15 movable dam in Fort Plain, 0.4 mi (0.6 km) upstream from bridge on State Highway 80 and 0.5 mi (0.8 km) upstream from Otsquago Creek.

DRAINAGE AREA.--1,805 mi² (4,675 km²).

PERIOD OF RECORD.--Chemical analyses: April 1973 to May 1975 (discontinued).

REMARKS.--New York State Water Quality Surveillance Network station number 12 0330.

COOPERATION.--Samples furnished by New York State Department of Environmental Conservation.

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
OCT. 15...	1240	380	50	30	6.2	5.9	1.0	95	78	24
NOV. 12...	1215	360	70	32	11	4.8	1.3	96	79	22
DEC. 16...	1000	950	500	37	7.2	6.0	.8	113	93	25
JAN. 27...	1045	1800	100	32	6.4	6.7	1.2	102	84	23
FEB. 24...	1030	1200	110	33	7.6	10	2.0	117	96	25
MAR. 24...	1045	1200	60	26	5.2	4.5	1.2	93	76	17
APR. 22...	1030	530	90	20	3.8	2.7	.7	59	48	12
MAY 20...	1035	460	70	28	5.3	4.0	.8	88	72	18

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRATE PLUS NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
OCT. 15...	8.5	.51	.02	.53	.31	.12	.43	.96	.06	.03
NOV. 12...	5.8	.47	.01	.48	.19	.26	.45	.93	.06	.04
DEC. 16...	9.6	.90	.01	.91	.16	.22	.38	1.3	.07	.03
JAN. 27...	10	.78	.02	.80	.25	.03	.28	1.1	.09	.03
FEB. 24...	17	.93	.03	.96	.54	.30	.84	1.8	.16	.05
MAR. 24...	7.8	.85	.01	.86	.13	.37	.50	1.4	.07	.02
APR. 22...	4.8	.81	.01	.82	.08	.00	.08	.90	.04	.02
MAY 20...	4.9	.74	.03	.77	.08	.18	.26	1.0	.04	.01

DATE	TOTAL NON-FILTERABLE RESIDUE (MG/L)	FIXED NON-FILTERABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)	RESIDUE ON IGNITION (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	COLOR (PLATINUM-CORAL UNITS)	TURBIDITY (JTU)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 15...	14	8	165	134	251	10	7	10	9.7
NOV. 12...	9	2	145	117	230	20	6	10	8.6
DEC. 16...	28	19	186	154	277	20	10	13	2.9
JAN. 27...	20	20	170	140	254	20	20	14	4.1
FEB. 24...	43	26	213	190	304	20	20	18	8.1
MAR. 24...	36	31	168	84	224	26	15	14	3.6
APR. 22...	20	17	107	69	150	19	9	10	2.9
MAY 20...	8	7	141	89	211	6	4	10	3.5

01349520 CAYADUTTA CREEK AT FONDA, N.Y.

LOCATION.--Lat 42°57'10", long 74°22'49", Montgomery County, at railroad bridge, 0.1 mi (0.2 km) downstream from bridge on State Highway 1 in Fonda and 0.2 mi (0.3 km) upstream from mouth.

DRAINAGE AREA.--63.3 mi² (163.9 km²).

PERIOD OF RECORD.--Chemical analyses: April 1969 to May 1975 (discontinued).

REMARKS.--New York State Water Quality Surveillance Network station number 12 1301.

COOPERATION.--Samples furnished by New York State Department of Environmental Conservation.

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
OCT. 15...	1320	750	140	70	10	150	5.1	227	186	86
NOV. 12...	1300	270	50	63	5.6	140	4.1	237	194	83
DEC. 16...	1515	570	100	61	11	45	2.0	193	158	39
JAN. 27...	1445	540	90	47	8.2	37	2.1	168	138	39
FEB. 24...	1445	14000	520	51	8.5	24	3.3	131	107	18
MAR. 24...	1515	610	40	41	6.9	32	1.6	143	117	31
APR. 22...	1115	340	80	49	6.8	74	1.7	153	126	47
MAY 20...	1200	460	50	65	8.4	120	2.3	226	185	59

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
OCT. 15...	230	.39	.11	.50	10	8.0	18	19	3.1	.98
NOV. 12...	190	.47	.11	.58	10	9.0	19	20	.32	.05
DEC. 16...	70	.66	.04	.70	4.4	1.2	5.6	6.3	.16	.08
JAN. 27...	56	.65	.04	.69	3.0	4.9	7.9	8.6	2.0	.52
FEB. 24...	38	.58	.04	.62	2.3	5.4	7.7	8.3	1.7	.13
MAR. 24...	48	.68	.01	.69	2.2	1.4	3.6	4.3	.28	.14
APR. 22...	120	.44	.02	.46	4.6	5.0	9.6	10	.44	.01
MAY 20...	160	.27	.04	.31	.40	1.0	1.4	1.7	.23	.02

DATE	TOTAL NON-FILTERABLE RESIDUE (MG/L)	FIXED NON-FILTERABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)	RESIDUE ON IGNITION (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	COLOR (PLATINUM-CORAL UNITS)	TURBIDITY (JTU)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 15...	89	27	756	628	1190	20	60	140	58
NOV. 12...	12	3	624	570	1090	30	9	57	26
DEC. 16...	11	5	350	316	605	20	8	34	6.2
JAN. 27...	61	41	338	280	468	20	40	77	23
FEB. 24...	626	491	847	717	336	60	30	160	49
MAR. 24...	24	16	291	181	469	26	7	30	8.6
APR. 22...	19	16	409	347	708	19	15	71	25
MAY 20...	13	9	560	492	1030	16	5	58	16

HUDSON RIVER BASIN

381

01349527 MOHAWK RIVER AT FONDA, N.Y.

LOCATION.--Lat 42°57'01", long 74°22'21", Montgomery County, at dock of State Department of Transportation Erie (Barge) Canal terminal in Fonda, 0.1 mi (0.2 km) upstream from bridge on State Highway 30A, and 0.4 mi (0.6 km) downstream from Cayadutta Creek.

DRAINAGE AREA.--2,125 mi² (5,504 km²).

PERIOD OF RECORD.--Chemical analyses: September 1969 to May 1975 (discontinued).

REMARKS.--New York State Water Quality Surveillance Network station number 12 0305.

COOPERATION.--Samples furnished by New York State Department of Environmental Conservation.

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
OCT. 15...	1345	370	40	39	6.6	9.2	1.2	101	83	26
NOV. 12...	1315	410	50	30	6.6	7.6	1.7	97	80	24
DEC. 16...	1545	750	100	31	5.7	9.5	1.4	100	82	21
JAN. 27...	1500	780	80	33	6.1	10	1.2	109	89	24
FEB. 24...	1415	6300	230	35	6.7	12	2.4	101	83	22
MAR. 24...	1530	1200	70	30	5.3	8.3	1.3	99	81	19
APR. 22...	1155	700	120	24	4.3	13	.9	89	73	17
MAY 20...	1245	330	50	41	6.8	12	1.1	115	94	24

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
OCT. 15...	14	.47	.01	.48	.57	.12	.69	1.2	.09	.03
NOV. 12...	10	.37	.01	.38	.37	.29	.66	1.0	.06	.04
DEC. 16...	14	.68	.01	.69	.62	.27	.89	1.6	.07	.03
JAN. 27...	16	.72	.02	.74	.69	1.1	1.8	2.5	.23	.04
FEB. 24...	10	.69	.03	.72	1.0	2.2	3.2	3.9	.58	.08
MAR. 24...	13	.80	.01	.81	.43	.53	.96	1.8	.08	.02
APR. 22...	20	.71	.01	.72	.71	.49	1.2	1.9	.10	.02
MAY 20...	17	.62	.04	.66	.53	.03	.56	1.2	.05	.01

DATE	TOTAL NON-FILTERABLE RESIDUE (MG/L)	FIXED NON-FILTERABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)	RESIDUE ON IGNITION (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 15...	16	9	178	142	280	3	6	14	6.5
NOV. 12...	8	3	166	130	250	20	7	13	9.0
DEC. 16...	17	12	168	137	272	10	10	15	3.0
JAN. 27...	24	23	182	155	279	20	20	27	9.2
FEB. 24...	287	122	447	374	258	60	100	68	21
MAR. 24...	30	26	175	--	257	22	20	16	4.2
APR. 22...	27	21	152	118	236	15	10	18	7.3
MAY 20...	9	8	198	142	310	3	4	14	4.2

01350180 SCHOHARIE CREEK AT NORTH BLENHEIM, N.Y.

LOCATION.--Lat 42°27'57", long 74°27'45", Schoharie County, temperature recorder at gaging station, 2,300 ft (701 m) upstream from West Kill, and 1.2 mi (1.9 km) upstream from bridge on State Highway 30 in North Blenheim.

DRAINAGE AREA.--359 mi² (930 km²).

PERIOD OF RECORD.--Chemical analyses: October 1974 to September 1975.

Water temperatures: October 1971 to September 1975.

Sediment records: April to September 1975.

EXTREMES.--1974-75:

Water temperatures: Maximum 30.5°C Aug. 1-3; minimum, freezing point on several days during winter period.

Period of record:

Water temperatures: Maximum (1973-75) 31.5°C June 10 and Aug. 20, 1974; minimum, freezing point on many days during winter periods.

REMARKS.--During periods of low flow and direct sun, water temperature probe may not indicate value truly representative of the stream.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SiO ₂) (MG/L)	TOTAL IRON (FF) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)
OCT.										
30...	1100	18	2.2	190	30	16	2.7	3.5	1.0	52
NOV.										
27...	1000	37	1.3	300	30	14	2.1	3.5	.6	31
DEC.										
11...	0930	1110	2.4	2000	80	10	1.6	2.5	.6	25
JAN.										
08...	1000	160	3.2	430	10	9.1	1.7	2.5	.8	21
FEB.										
25...	1330	2010	3.4	1200	50	7.0	1.3	2.6	.8	19
MAR.										
25...	1300	2340	3.4	520	20	6.9	.8	2.1	.5	14
APR.										
28...	0900	646	3.0	500	30	5.5	1.0	2.1	.4	14
MAY										
28...	1300	132	2.7	150	30	7.4	1.9	2.1	.4	18
JUNE										
26...	0930	5.4	2.6	220	40	15	2.6	4.0	.7	41
JULY										
30...	1030	4.2	2.5	110	210	23	3.1	4.9	1.3	43
AUG.										
21...	1100	4.6	1.5	180	60	15	2.7	4.0	.8	41
SEPT.										
24...	1300	3.9	1.3	190	30	18	1.1	4.3	.9	51

DATE	CARBONATE (CO ₃) (MG/L)	ALKALINITY AS CaCO ₃ (MG/L)	DIS-SOLVED SULFATE (SO ₄) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL NH ₄ -NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHOPHOSPHORUS (P) (MG/L)
OCT.										
30...	0	43	12	4.1	.2	.13	.16	.29	.01	.00
NOV.										
27...	0	25	14	3.4	.1	.10	.17	.27	.02	.01
DEC.										
11...	0	21	8.7	2.6	.0	.26	.28	.54	.05	.01
JAN.										
08...	0	17	11	3.3	.1	.32	.31	.63	.03	.02
FEB.										
25...	0	16	7.8	3.6	.1	.38	.07	.45	.06	.03
MAR.										
25...	0	11	4.6	4.0	.2	.42	.07	.49	.02	.00
APR.										
28...	0	11	8.0	3.4	.1	.33	.06	.39	.03	.02
MAY										
28...	0	15	8.5	2.8	.1	.23	.10	.33	.02	.00
JUNE										
26...	0	34	12	4.8	.1	.17	.06	.23	.01	.01
JULY										
30...	0	35	9.0	4.5	.2	.20	.10	.30	.01	.01
AUG.										
21...	0	34	9.4	3.7	.1	.13	.16	.29	.01	.01
SEPT.										
24...	0	42	12	4.6	.2	.11	.14	.25	.01	.01

HUDSON RIVER BASIN

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01350180 SCHOHARIE CREEK AT NORTH BLENHEIM, N.Y.—Continued
 CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
OCT. 30...	67	51	8	122	6.8	11.0	12.8	115	84	81
NOV. 27...	55	44	18	105	6.8	4.5	14.6	111	65	38
DEC. 11...	41	32	11	75	7.1	3.0	15.6	116	280	800
JAN. 09...	42	30	13	84	7.7	1.0	14.8	104	82	87
FEB. 25...	36	23	7	67	7.4	2.0	14.5	116	60	140
MAR. 25...	29	21	9	65	7.2	2.5	14.2	123	84	84
APR. 28...	30	18	6	61	7.6	6.5	15.0	130	<1	81
MAY 28...	35	26	12	70	7.4	18.0	11.0	115	<1	810
JUNE 26...	62	48	15	104	7.4	19.5	9.7	107	30	100
JULY 30...	70	70	35	110	6.7	22.5	9.2	107	815	60
AUG. 21...	57	49	15	117	7.2	21.5	9.1	103	812	50
SEP. 24...	68	49	8	145	7.4	16.0	10.2	104	812	45

CONTINUED NEXT PAGE

HUDSON RIVER BASIN

01350180 SCHOHARIE CREEK AT NORTH BLENHEIM, N.Y.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	JUNF			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	23.5	16.0	20.0	30.5	22.5	26.0	19.0	18.0	18.5
2	---	---	---	24.0	16.0	20.5	30.5	23.5	27.0	20.5	17.5	19.0
3	---	---	---	23.0	18.5	21.0	30.5	24.0	26.5	22.0	17.0	18.5
4	---	---	---	27.0	18.0	21.5	27.0	24.0	25.0	21.5	16.5	19.0
5	---	---	---	25.0	18.0	22.0	29.0	22.0	25.0	23.0	17.0	19.5
6												
7	17.0	13.0	14.5	25.5	18.5	21.5	24.0	19.0	21.5	21.5	18.5	20.0
8	16.0	12.5	14.5	26.5	18.5	22.0	19.0	17.5	18.5	23.5	17.0	20.0
9	17.5	16.0	16.5	28.0	19.5	23.5	22.0	18.0	19.5	24.0	18.5	21.0
10	18.0	16.5	17.0	25.5	21.5	23.0	25.5	18.0	21.5	21.0	16.0	19.0
	18.5	16.5	17.0	27.0	20.5	23.5	25.0	19.5	22.5	22.0	15.0	17.5
11												
12	18.0	16.5	17.5	26.5	21.0	23.5	26.0	20.5	23.0	23.5	15.5	19.0
13	18.0	17.0	17.5	23.0	20.5	22.0	24.5	20.0	22.0	20.0	17.0	19.0
14	19.0	18.0	18.5	23.0	20.5	21.0	25.0	20.0	22.0	19.0	15.5	17.0
15	19.0	18.0	18.5	24.0	20.0	21.5	24.5	21.0	22.5	17.5	14.5	16.0
	20.0	18.5	19.5	25.5	20.5	23.0	26.0	21.0	23.0	18.0	13.5	16.0
16												
17	19.5	19.0	19.5	26.0	21.5	23.5	22.5	20.5	21.0	17.0	15.0	16.0
18	20.0	19.0	19.5	28.0	21.0	24.5	23.5	20.0	21.5	21.0	15.5	17.0
19	21.0	19.0	20.0	26.0	21.5	23.5	26.0	20.5	22.5	17.5	15.0	16.0
20	20.0	19.0	19.5	27.0	21.0	23.5	25.0	19.0	21.5	18.0	15.5	16.5
	20.5	19.0	20.0	26.0	21.5	23.5	24.0	18.5	21.0	23.0	16.5	19.0
21												
22	22.0	18.5	20.0	22.5	19.5	21.0	23.0	18.0	20.5	23.5	17.5	20.0
23	22.5	19.5	20.5	23.0	18.5	20.5	24.5	20.5	22.0	21.0	16.0	18.5
24	23.0	20.0	21.0	24.5	18.0	21.0	25.0	19.0	21.5	18.0	16.5	17.0
25	25.0	19.5	22.5	25.5	19.0	22.0	22.0	19.5	20.5	16.5	15.0	16.0
	25.0	19.5	22.0	23.5	20.5	22.0	27.0	20.5	23.5	17.5	14.5	16.5
26												
27	24.5	18.5	21.5	25.0	18.5	21.5	28.5	23.0	25.5	18.0	16.5	17.5
28	22.5	17.0	19.5	26.5	19.5	22.0	26.0	22.0	24.0	17.5	16.5	17.0
29	21.0	17.5	19.0	27.0	21.0	24.0	24.5	18.5	22.0	16.5	15.0	16.0
30	24.0	17.5	20.5	25.5	20.5	23.0	24.0	19.5	21.5	19.0	13.5	16.0
31	23.5	18.0	20.5	26.5	18.5	22.0	20.5	19.5	20.0	17.5	12.5	15.0
	---	---	---	28.0	21.0	24.5	22.0	18.5	20.0	---	---	---
MONTH												
	25.0	12.5	19.0	28.0	16.0	22.5	30.5	17.5	22.5	24.0	12.5	18.0

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT CHARGE (T/DAY)
APR.				
04...	1200	3560	37	356
SEP.				
25...	1215	1172	31	114

HUDSON RIVER BASIN

01350355 SCHOHARIE CREEK AT BREAKABEEN, N.Y.

LOCATION.--Lat 42°32'10", long 74°24'40", Schoharie County, at bridge on State Highway 30, 0.8 mi (1.3 km) north of Breakabeen and 1.0 mi (1.6 km) downstream from Keyser Creek.

PERIOD OF RECORD.--Chemical analyses: October 1974 to September 1975.
Sediment records: Water year 1975 (partial-record station).

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DIS-SOLVED SILICA (SiO ₂) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	RICARONATE (HCO ₃) (MG/L)
OCT. 30...	1030	F23	1.8	110	20	12	2.4	3.5	.8	40
NOV. 27...	1100	E175	3.9	190	10	11	1.9	3.0	.4	30
DEC. 11...	0845	F1200	3.0	1800	90	10	1.8	2.5	.6	24
JAN. 08...	0930	E100	3.8	290	10	10	1.9	3.0	.8	24
FEB. 25...	1630	E10000	3.4	2100	70	6.5	1.2	2.6	.8	17
MAR. 25...	1000	E2A50	3.5	650	30	6.1	.8	2.2	.6	14
APR. 26...	1015	E780	3.2	460	20	5.8	1.2	2.2	.4	15
MAY 28...	1100	E315	2.7	130	20	8.0	2.0	2.1	.5	22
JUNE 26...	1100	F22	3.3	170	20	12	2.3	3.7	.9	48
JULY 30...	1130	F16	3.6	170	20	17	2.9	4.7	1.0	59
AUG. 21...	1000	F10	3.2	210	30	19	3.1	4.7	1.1	60
SEP. 24...	1200	F50	3.0	340	10	15	3.6	4.4	1.1	52

DATE	CARBONATE (CO ₃) (MG/L)	ALKALINITY AS CaCO ₃ (MG/L)	DIS-SOLVED SULFATE (SO ₄) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHOPHOSPHORUS (P) (MG/L)
OCT. 30...	0	33	11	3.9	.2	.07	.13	.20	.00	.00
NOV. 27...	0	25	11	3.2	.0	.12	.10	.22	.01	.00
DEC. 11...	0	20	9.2	2.6	.0	.28	.21	.49	.04	.01
JAN. 08...	0	20	12	3.5	.1	.36	.11	.47	.02	.01
FEB. 25...	0	14	7.2	3.4	.2	.37	.15	.52	.07	.04
MAR. 25...	0	11	6.0	4.0	.2	.40	.07	.47	.03	.01
APR. 26...	0	12	9.5	3.4	.1	.31	.12	.43	.02	.02
MAY 28...	0	18	8.8	3.0	.1	.22	.15	.37	.01	.00
JUNE 26...	0	39	9.4	4.2	.1	.25	.12	.37	.01	.01
JULY 30...	0	48	11	4.9	.2	.11	.18	.29	.01	.02
AUG. 21...	0	49	10	4.8	.1	.17	.19	.36	.01	.01
SEP. 24...	0	43	13	5.6	.2	.06	.07	.13	.01	.01

E Estimated value.

HUDSON RIVER BASIN

01350355 SCHOHARIE CREEK AT BREAKABEEN, N.Y.--Continued

CHEMICAL ANALYSES, WATER OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	FECAL COLIFORM (COL. PFR 100 ML)	STREPTOCOCCI (COLONIES PFR 100 ML)
OCT. 30...	55	40	7	112	6.2	9.5	13.0	112	84	88
NOV. 27...	49	35	11	95	7.5	1.0	15.0	106	119	20
DEC. 11...	42	32	13	78	7.1	3.0	14.4	107	180	8450
JAN. 08...	47	33	13	92	7.6	.5	15.2	104	87	12
FEB. 25...	34	21	7	65	7.3	2.5	14.0	108	62	90
MAR. 25...	30	19	7	64	7.2	3.0	13.3	111	30	27
APR. 28...	33	19	7	63	7.5	6.0	13.1	117	110	88
MAY 28...	38	28	10	70	7.5	17.0	10.7	110	32	84
JUNE 26...	60	39	0	118	7.6	22.0	9.7	109	50	50
JULY 30...	74	54	6	138	7.3	24.0	9.0	108	110	82800
AUG. 21...	76	60	11	147	7.5	17.5	9.1	96	35	82800
SEP. 24...	73	55	12	165	7.4	15.0	11.2	112	40	81600

SUSPENDED-SEDIMENT DISCHARGE, DECEMBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
DEC. 09...	1300	--	109	--
FEB. 25...	1545	E10000	63	E1700

Results based on colony count outside the acceptable range (non-ideal colony count).
 † Estimated value.

01350500 SCHOHARIE CREEK AT MIDDLEBURG, N.Y.

LOCATION.--Lat 42°35'58", long 74°20'12", Schoharie County, at bridge on State Highway 30 in Middleburg, at former gaging station, 20 mi (32 km) downstream from Gilboa Dam.

DRAINAGE AREA.--532 mi² (314 km²).

PERIOD OF RECORD.--Chemical analyses: December 1974 to September 1975.
Sediment records: Water year 1975 (partial-record station).

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SiO ₂) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NESIUM (MA) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO ₃) (MG/L)
OCT.										
30...	0900	60	1.0	150	30	14	2.3	3.5	.5	44
NOV.										
27...	1130	273	4.1	220	20	13	2.0	3.0	.5	29
DEC.										
11...	1015	2100	3.3	1800	85	11	1.8	2.3	.8	28
JAN.										
08...	1100	2000	4.0	650	10	13	2.2	2.7	.8	32
FEB.										
25...	2200	8720	3.5	1800	70	6.8	1.2	2.4	.8	18
MAR.										
25...	0930	3040	3.7	730	30	8.3	1.0	2.1	.6	22
APR.										
28...	1045	1120	3.2	430	20	8.0	1.3	2.2	.5	17
MAY										
28...	0900	464	2.7	150	20	9.7	2.3	2.2	.6	27
JUNE										
26...	1230	90	3.5	160	30	16	2.5	3.6	1.0	56
JULY										
30...	1330	19	4.3	270	30	23	3.2	4.8	1.2	43
AUG.										
21...	0830	20	4.0	210	40	24	0.9	4.3	1.2	72
SEP.										
24...	1130	100	3.8	300	10	20	1.2	3.9	1.1	63

DATE	CAR- BONATE (CO ₃) (MG/L)	ALKA- LINITY AS CaCO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)
OCT.										
30...	0	36	11	3.7	.1	.27	.11	.38	.00	.00
NOV.										
27...	0	24	14	3.3	.1	.22	.07	.29	.02	.00
DEC.										
11...	0	23	9.9	2.6	.0	.35	.26	.61	.06	.02
JAN.										
08...	0	26	12	4.0	.1	.58	.23	.81	.01	.01
FEB.										
25...	0	15	7.6	3.4	.1	.37	.10	.47	.07	.04
MAR.										
25...	0	18	7.6	4.0	.2	.38	.12	.50	.03	.01
APR.										
28...	0	14	8.8	3.3	.1	.35	.28	.63	.02	.02
MAY										
28...	0	22	8.3	1.1	.1	.30	.14	.44	.02	.00
JUNE										
26...	0	46	11	4.8	.1	.57	.19	.76	.01	.02
JULY										
30...	0	35	12	6.2	.2	.65	.35	1.0	.03	.01
AUG.										
21...	0	59	11	4.8	.1	.77	.18	.95	.01	.01
SEP.										
24...	0	52	11	4.9	.1	.26	.09	.35	.01	.01

HUDSON RIVER BASIN

01350500 SCHOHARIE CREEK AT MIDDLEBURG, N.Y.--Continued

CHEMICAL ANALYSES, DECEMBER 1974 TO SEPTEMBER 1975

DATE	DIS-SOLVDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
OCT. 30...	58	44	8	136	6.7	9.0	11.4	98	R220	71
NOV. 27...	54	41	17	104	7.5	1.0	15.2	107	180	54
DEC. 11...	46	35	12	84	6.7	2.5	13.6	99	200	R530
JAN. 08...	55	42	15	116	7.6	1.0	16.2	114	86	20
FEB. 25...	35	22	7	70	7.2	2.0	14.2	114	R68	120
MAR. 25...	38	25	7	68	7.2	3.0	13.4	112	48	830
APR. 28...	36	25	11	74	7.4	5.5	12.4	108	<1	820
MAY 28...	40	34	12	81	7.5	16.5	9.0	92	250	24
JUNE 26...	70	50	4	136	7.3	21.0	9.2	102	R2800	250
JULY 30...	76	71	35	170	7.4	23.0	8.7	102	B900	1000
AUG. 21...	89	76	17	180	7.3	17.5	8.0	84	430	R380
SEP. 24...	77	55	3	163	7.3	15.0	9.6	96	4000	530

SUSPENDED-SEDIMENT DISCHARGE, DECEMBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
DEC. 09...	1130	15700	160	6780
MAR. 25...	2145	--	75	--

* Results based on colony count outside the acceptable range (non-ideal colony count).

HUDSON RIVER BASIN

01353995 SCHOHARIE CREEK AT FORT HUNTER, N.Y.

LOCATION.--Lat 42°56'17", long 74°16'57", Montgomery County, at bridge on State Highway 5S in Fort Hunter and 0.6 mi (1.0 km) upstream from mouth.

DRAINAGE AREA.--926 mi² (2,398 km²).

PERIOD OF RECORD.--Chemical analyses: April 1969 to March 1975.

REMARKS.--New York State Water Quality Surveillance Network station number 12 1251.

COOPERATION.--Samples furnished by New York State Department of Environmental Conservation.

CHEMICAL ANALYSES, OCTOBER 1974 TO MARCH 1975

DATE	TIME	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	ALCALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
NOV. 12...	1430	90	10	32	6.6	4.9	1.5	112	92	17
JAN. 27...	0945	680	40	18	2.6	1.6	1.2	57	47	13
MAR. 24...	0955	720	20	17	1.7	3.5	.9	51	42	11

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
NOV. 12...	5.9	.14	.00	.14	.07	.21	.28	.42	.01	.01
JAN. 27...	4.8	.47	.01	.48	.15	.06	.21	.69	.06	.02
MAR. 24...	5.9	.49	.00	.49	.04	.17	.21	.70	.03	.01

DATE	TOTAL NON-FILTERABLE RESIDUE (MG/L)	FIXED NON-FILTERABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)	RESIDUE ON IGNITION (MG/L)	SPECIFIC CONDUCTANCE (MICRO-MHOS) (MG/L)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
NOV. 12...	3	0	142	121	240	7	3	6	13
JAN. 27...	14	14	96	78	145	20	20	11	3.9
MAR. 24...	17	13	95	65	138	21	10	9	1.8

01354000 MOHAWK RIVER AT TRIBES HILL, N.Y.

LOCATION.--Lat 42°56'42", long 74°17'21", Montgomery County, at bridge on highway between Tribes Hill and Fort Hunter and 0.3 mi (0.5 km) downstream from Schoharie Creek.

DRAINAGE AREA.--3,096 mi² (8,019 km²).

PERIOD OF RECORD.--Chemical analyses: April 1973 to September 1975.

REMARKS.--New York State Water Quality Surveillance Network station number 12 0320. Water discharge data are based on records for 01357499 diversion from Mohawk River at Crescent Dam and 01357500 Mohawk River at Cohoes.

COOPERATION.--Samples furnished by New York State Department of Environmental Conservation.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS-CHARGE (CFS)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)
OCT. 07...	1200	E3080	42	7.2	12	1.4	107	88	26	11	2.4	.01
NOV. 22...	1500	E2830	31	5.9	6.0	1.8	95	78	23	8.8	.44	.01
NOV. 04...	1315	E2620	30	5.6	8.4	1.4	90	74	25	11	.42	.01
NOV. 18...	1445	E6380	25	4.3	5.0	1.4	92	75	20	6.9	.41	.01
DEC. 09...	1445	E24900	37	7.5	4.5	1.8	100	82	17	7.8	.60	.00
JAN. 06...	1230	E4680	37	6.8	8.0	.8	115	94	27	11	.56	.02
JAN. 20...	1515	E6420	43	8.4	10	1.2	130	107	29	13	.93	.01
FEB. 03...	1400	E6950	31	6.2	7.6	1.2	100	82	23	11	.75	.02
FEB. 18...	1255	E5000	30	5.1	15	1.0	98	80	24	23	1.1	.01
MAR. 03...	1515	E8700	31	5.8	5.7	1.2	94	77	21	9.4	.80	.02
MAR. 17...	1220	E4530	41	7.7	8.3	1.1	126	103	29	17	.87	.03
MAR. 31...	1500	E8630	29	5.3	4.9	1.0	88	72	18	8.2	.87	.02
APR. 14...	1355	E6810	34	7.1	6.1	1.0	117	96	21	9.8	.90	.01
APR. 29...	0925	E9100	37	1.8	4.9	.7	58	48	15	7.1	.84	.01
MAY 12...	1315	E6020	27	4.5	4.1	.9	73	60	17	7.5	.71	.01
MAY 28...	1040	E2580	33	5.7	6.3	.9	97	80	28	10	.59	.04
JULY 01...	1255	E2020	--	--	--	--	--	--	--	--	--	--
JULY 30...	1215	E1680	--	--	--	--	--	--	--	--	--	--
AUG. 28...	1015	E2490	--	--	--	--	--	--	--	--	--	--

DATE	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	FIXED NON-FILTERABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)
OCT. 07...	2.4	.72	--	.70	3.1	.06	.02	--	15	10	186
OCT. 22...	.45	.43	.12	.55	1.0	.06	.03	--	8	6	162
NOV. 04...	.43	.55	.14	.69	1.1	.08	.02	--	11	8	153
NOV. 18...	.42	.30	.21	.51	.93	.06	.04	--	16	14	149
NOV. 09...	.60	.42	.68	1.1	1.7	.43	.09	--	305	278	436
NOV. 20...	.58	.39	.26	.65	1.2	.05	.03	--	7	2	170
DEC. 03...	.94	.30	.18	.48	1.4	.08	.03	--	10	10	201
DEC. 18...	.77	.27	.08	.35	1.1	.05	.05	--	20	14	163
DEC. 03...	1.1	.53	.15	.68	1.8	.05	.03	--	8	6	167
JAN. 03...	.82	.36	.08	.44	1.3	.06	.02	--	22	14	143
JAN. 17...	.90	.39	.26	.65	1.6	.06	.03	--	9	7	218
JAN. 31...	.89	.16	.37	.53	1.4	.07	.02	--	21	8	160
FEB. 14...	.91	.20	.09	.29	1.2	.05	.02	--	10	6	178
FEB. 29...	.85	.22	.23	.45	1.3	.04	.02	--	6	5	102
MAR. 12...	.72	.05	.31	.36	1.1	.04	.02	--	12	11	126
MAR. 28...	.63	.14	.36	.50	1.1	.05	.01	--	2	2	143
APR. 01...	--	--	--	--	--	--	--	--	--	--	--
APR. 30...	.61	.10	.75	.85	1.5	.04	--	178	8	--	--
MAY 28...	.35	.31	.79	1.1	1.5	.05	--	178	17	--	--

Estimated value.

01354160 MOHAWK RIVER AT LOCK 10 AT CRANESVILLE, N.Y.

LOCATION.--Lat 42°55'03", long 74°08'31", Montgomery County, at Erie (Barge) Canal Lock 10, 0.2 mi (0.3 km) upstream from Evas Kill, 0.3 mi (0.5 km) west of Cranesville, and 0.8 mi (1.3 km) downstream from Tervilleger Creek.

DRAINAGE AREA.--3,220 mi² (8,340 km²).

PERIOD OF RECORD.--Chemical analyses: April 1969 to September 1975.

REMARKS.--New York State Water Quality Surveillance Network station number 12 0300. Water discharge data are based on records for 01354160 diversion from Mohawk River at Crescent Dam and 01357500 Mohawk River at Cohoes.

COOPERATION.--Samples furnished by New York State Department of Environmental Conservation.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS-CHARGE (CFS)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)
OCT.												
07...	1130	E3080	36	7.0	14	1.2	115	94	26	12	.41	.01
22...	1430	E2830	36	6.7	7.0	1.8	105	86	26	10	.50	.00
NOV.												
04...	1345	E2620	33	6.0	11	1.6	102	84	27	14	.50	.00
18...	1220	E6380	30	4.5	5.7	1.6	101	83	23	7.7	.42	.00
DEC.												
09...	1530	E24900	27	6.5	4.0	2.2	72	59	14	5.7	.73	.01
JAN.												
06...	1430	E4680	34	5.6	7.0	.7	102	84	24	10	.64	.01
20...	1200	E6420	31	5.4	7.0	1.1	93	76	20	8.6	.70	.01
FEB.												
03...	1200	E6950	29	5.4	6.5	1.1	90	74	21	9.9	.70	.01
18...	1200	E5000	32	4.4	9.6	1.0	84	69	19	14	.74	.01
MAR.												
03...	1200	E8700	31	4.9	5.3	1.3	84	69	20	10	.98	.01
17...	1145	E4530	37	4.8	7.8	1.2	102	84	24	13	.79	.01
31...	1545	E8630	24	4.0	4.0	.9	79	65	16	7.2	.74	.01
APR.												
14...	1325	E6810	28	5.7	4.5	.9	87	71	17	7.6	.69	.01
29...	1030	E9100	18	3.2	2.8	.7	56	46	14	4.7	.71	.02
MAY												
12...	1230	E6020	23	3.9	4.4	.9	71	58	16	7.6	.57	.01
28...	1120	E2590	30	4.9	5.9	.9	86	71	19	8.6	.54	.08
JULY												
01...	1335	E2020	--	--	--	--	--	--	--	--	--	--
30...	1300	E1680	--	--	--	--	--	--	--	--	--	--
AUG.												
28...	0930	E2490	--	--	--	--	--	--	--	--	--	--

DATE	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	FIXED NON-FILT-RABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)
OCT.											
07...	.42	.38	.16	.54	.96	.05	.01	--	12	6	194
22...	.50	.37	.16	.53	1.0	.06	.03	--	6	4	178
NOV.											
04...	.51	.48	.23	.71	1.2	.07	.04	--	10	8	167
18...	.42	.27	.17	.44	.86	.07	.05	--	21	15	168
DEC.											
09...	.74	.63	.97	1.6	2.3	.49	.10	--	595	554	637
JAN.											
06...	.65	.16	.12	.28	.93	.04	.02	--	4	1	155
20...	.71	.10	.19	.29	1.0	.04	.02	--	6	6	146
FEB.											
03...	.71	.15	.24	.39	1.1	.05	.04	--	20	16	153
18...	.75	.26	.52	.78	1.5	.03	.02	--	4	2	139
MAR.											
03...	1.0	.18	.18	.36	1.4	.04	.02	--	10	9	106
17...	.80	.20	.40	.40	1.2	.04	.02	--	7	5	170
31...	.75	.08	.17	.25	1.0	.04	.01	--	9	2	128
APR.											
14...	.70	.08	.23	.31	1.0	.04	.02	--	8	4	147
29...	.73	.12	.14	.26	.99	.03	.02	--	5	4	106
MAY											
12...	.58	.10	.25	.35	.93	.03	.01	--	5	4	117
28...	.62	.01	.27	.28	.90	.07	.04	--	5	4	137
JULY											
01...	--	--	--	--	--	--	--	--	--	--	--
30...	.41	.01	.81	.82	1.2	.06	--	174	7	--	--
AUG.											
28...	.40	.54	.86	1.4	1.8	.06	--	202	17	--	--

E Estimated value.

HUDSON RIVER BASIN

393

01354160 MOHAWK RIVER AT LOCK 10 AT CRANESVILLE, N.Y.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	RESIDUE ON IGNITION (MG/L)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COHALT UNITS)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	CHLOROPHYLL A (UG/L)	CHLOROPHYLL B (UG/L)
OCT. 07...											
22...	145	246	8.0	12.0	10	6	10.6	--	12	--	--
NOV. 04...	159	270	8.0	9.0	20	5	11.8	--	13	--	--
18...	138	267	7.9	9.5	20	5	11.0	--	11	--	--
DEC. 18...	130	240	8.0	6.5	30	20	12.6	--	16	--	--
09...	574	158	7.5	1.5	80	300	13.2	--	59	--	--
JAN. 06...											
20...	134	272	7.5	.0	9	5	13.0	--	10	--	--
FEB. 03...	123	240	7.5	.0	20	9	13.2	--	8	--	--
MAR. 18...	113	219	7.0	1.0	30	20	14.4	--	10	--	--
03...	105	239	7.5	1.0	8	3	13.5	--	9	--	--
MAY. 17...	74	210	7.0	1.5	30	10	13.2	--	9	--	--
31...	141	263	7.5	4.5	10	7	13.8	--	10	--	--
APR. 14...	78	190	7.5	3.0	14	10	13.5	--	10	.0	.0
JULY. 14...											
29...	141	208	8.3	5.5	7	8	8.0	--	9	--	--
MAY. 12...	72	149	7.5	7.5	18	5	12.6	--	8	--	--
JULY. 28...	101	178	8.0	15.0	8	3	10.6	--	11	--	--
01...	95	212	8.4	21.0	8	3	8.6	--	12	--	--
30...	--	--	8.3	25.5	--	--	6.8	--	--	--	--
AUG. 28...	--	241	9.1	26.0	--	2	9.8	--	21	37	.0
	--	369	8.8	23.0	--	5	7.8	90	16	19	.0

DATE	TOTAL ORGANIC CARBON (C) (MG/L)	OIL AND GREASE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
OCT. 07...											
22...	4.1	--	1	4	10	20	200	5	30	<.5	50
NOV. 04...	5.0	0	1	1	10	10	350	2	110	<.5	40
18...	7.0	--	1	7	10	10	300	4	80	<.5	220
DEC. 18...	5.4	--	1	3	10	10	660	7	110	<.5	20
JAN. 09...	11	--	18	2	10	20	16000	20	660	<.5	70
FEB. 20...	3.3	--	0	2	10	0	530	4	60	<.5	20
03...	2.9	--	1	3	0	0	490	0	40	<.5	10
MAR. 18...	2.8	--	0	3	0	20	540	8	50	<.5	10
03...	2.8	--	0	3	0	10	220	3	40	<.5	20
MAY. 17...	3.0	--	0	4	<10	10	520	1	30	<.5	20
31...	3.7	--	1	2	0	10	320	1	40	<.5	20
APR. 14...	2.7	0	0	2	10	0	580	4	50	<.5	10
JULY. 14...	8.9	--	1	3	0	0	390	1	20	<.5	10
29...	13	--	0	1	<10	10	300	2	40	<.5	20
MAY. 12...	5.2	--	1	1	<10	10	430	12	50	<.5	40
JULY. 28...	3.5	--	1	0	10	20	270	5	40	<.5	20
01...	7.0	--	1	0	10	10	--	1	--	<.5	10
30...	4.4	--	1	0	10	10	200	6	--	<.5	10
AUG. 28...	7.4	0	0	0	10	10	290	130	--	<.5	30

HUDSON RIVER BASIN

01354490 MOHAWK RIVER AT SCHENECTADY, N.Y.

LOCATION.--Lat 42°49'07", long 73°56'59", Schenectady County, at abutment of former bridge at end of Washington Avenue in Schenectady, 0.3 mi (0.5 km) downstream from Western Gateway Bridge, and 1.0 mi (1.6 km) upstream from Collins Creek.

DRAINAGE AREA.--3,302 mi² (8,552 km²).

PERIOD OF RECORD.--Chemical analyses: April 1969 to September 1975.

REMARKS.--New York State Water Quality Surveillance Network station number 12 0005. Water discharge data are based on records for diversion from Mohawk River at Crescent Dam and 01357500 Mohawk River at Cohoes.

COOPERATION.--Samples furnished by New York State Department of Environmental Conservation.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	TOTAL CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG)	TOTAL SODIUM (NA) (MG/L)	TOTAL PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)
OCT.												
07...	1055	E3080	37	7.1	9.0	1.8	120	98	26	13	.46	.01
22...	1330	E2830	33	6.4	8.5	1.8	102	84	25	12	.51	.01
NOV.												
04...	1430	E2620	34	6.0	11	2.1	106	87	26	15	.65	.02
18...	1135	E6380	28	4.5	6.7	1.7	98	80	21	9.6	.44	.01
DEC.												
09...	1200	E24900	34	7.5	5.0	2.0	95	78	17	8.1	.15	.00
JAN.												
06...	1145	E4680	35	6.0	7.5	.8	107	88	25	23	.56	.02
20...	1125	E6420	34	6.7	8.7	1.1	107	88	23	11	.80	.01
FEB.												
03...	1115	E6950	31	5.1	6.6	1.2	87	71	18	9.9	.68	.01
18...	1115	E5000	32	5.0	11	1.0	92	75	21	16	.74	.01
MAR.												
03...	1125	E8700	29	5.9	6.8	1.4	98	80	22	12	.95	.02
17...	1100	E4530	32	4.9	7.9	1.1	99	81	23	14	.81	.01
31...	1210	E8630	28	4.8	4.4	1.0	78	64	16	8.1	.76	.01
APR.												
14...	1235	E6810	41	6.8	6.7	1.1	107	88	20	11	.83	.02
29...	1130	E9100	20	4.3	3.5	.8	60	49	14	5.3	1.1	.01
MAY												
12...	1145	E6020	34	4.7	5.2	1.0	70	57	15	8.0	.60	.01
28...	1215	E2500	27	5.3	9.5	.9	92	75	22	14	.59	.01
JULY												
29...	1400	E1570	--	--	--	--	--	--	--	--	--	--
AUG.												
27...	1145	E1900	--	--	--	--	--	--	--	--	--	--

DATE	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL P-O5- PHOSPHUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUCE AT 180 C) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	FIXED NON- FILT- RABLE RESIDUE (MG/L)	TOTAL RESI- DUCE (MG/L)
OCT.											
07...	.47	.29	.24	.53	1.0	.07	.01	--	18	12	211
22...	.52	.36	.20	.56	1.1	.05	.02	--	13	11	165
NOV.											
04...	.67	.42	.20	.62	1.3	.09	.05	--	13	11	288
18...	.45	.33	.23	.56	1.0	.15	.06	--	39	34	185
DEC.											
09...	.15	.24	.86	1.1	1.3	.42	.09	--	370	343	467
JAN.											
06...	.58	.21	.30	.51	1.1	.08	.04	--	14	9	164
20...	.81	.17	.25	.42	1.2	.04	.02	--	6	4	163
FEB.											
03...	.69	.20	.33	.53	1.2	.05	.05	--	16	12	147
18...	.75	.32	.33	.65	1.4	.04	.02	--	6	2	148
MAR.											
03...	.97	.31	.11	.42	1.4	.06	.02	--	11	8	151
17...	.82	.21	.20	.41	1.2	.05	.02	--	11	10	167
31...	.77	.12	.24	.36	1.1	.06	.02	--	18	2	146
APR.											
14...	.84	.12	.24	.36	1.2	.05	.03	--	10	6	172
29...	1.1	.13	.16	.29	1.4	.04	.02	--	8	6	99
MAY											
12...	.61	.07	.25	.32	.93	.04	.02	--	6	6	121
28...	.63	.03	.48	.51	1.1	.04	.00	--	4	2	154
JULY											
29...	.73	.13	1.1	1.2	1.9	.11	--	174	9	--	--
AUG.											
27...	.41	.16	.64	.80	1.2	.06	--	167	14	--	--

E Estimated value.

01354490 MOHAWK RIVER AT SCHENECTADY, N.Y.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	RESIDUE ON IGNITION (MG/L)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COALT UNITS)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	CHLOROPHYLL A (UG/L)	CHLOROPHYLL B (UG/L)
OCT. 07...	151	312	8.0	12.0	6	8	10.2	--	17	--	--
22...	141	270	7.7	9.0	10	5	11.6	--	14	--	--
NOV. 04...	250	267	7.9	9.5	40	10	10.6	--	16	--	--
18...	146	241	8.0	7.0	40	30	12.5	--	30	--	--
DEC. 09...	404	219	7.5	1.5	60	200	13.4	--	39	--	--
JAN. 06...	142	285	7.5	.0	20	8	14.4	--	11	--	--
20...	142	298	7.5	.0	20	8	13.4	--	11	--	--
FEB. 03...	113	212	7.5	.5	30	10	13.4	--	11	--	--
18...	105	264	7.5	1.0	7	4	13.2	--	10	--	--
MAR. 03...	123	246	7.5	2.0	30	10	13.2	--	13	--	--
17...	134	259	7.5	5.0	10	7	13.2	--	12	--	--
31...	106	201	7.5	4.5	17	15	13.4	--	11	.0	.0
APR. 14...	149	248	8.0	5.5	8	9	8.2	--	9	--	--
20...	65	154	7.5	7.5	19	7	11.4	--	11	--	--
MAY 12...	96	170	7.9	15.0	7	5	10.0	--	13	--	--
28...	102	242	8.5	22.5	14	3	4.2	--	13	--	--
JULY 29...	--	298	9.2	27.0	--	4	8.2	--	21	6.8	.0
AUG. 27...	--	329	8.7	24.0	--	5	8.8	105	21	7.3	.0

DATE	TOTAL ORGANIC CARBON (C) (MG/L)	OIL AND GREASE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
OCT. 07...	5.8	--	1	1	10	20	390	4	40	<.5	220
22...	--	0	1	2	10	10	570	3	100	<.5	20
NOV. 04...	5.7	--	1	4	10	10	710	17	80	<.5	550
18...	6.5	--	1	3	10	10	1200	4	120	<.5	30
DEC. 09...	9.5	--	4	2	30	30	10000	17	310	<.5	60
JAN. 06...	3.7	--	1	1	30	40	660	10	70	<.5	20
20...	3.3	--	1	1	0	0	430	5	40	<.5	0
FEB. 03...	3.2	--	0	29	0	10	550	8	50	<.5	10
18...	3.3	--	0	1	10	10	630	4	140	<.5	20
MAR. 03...	3.2	--	1	1	10	10	660	6	50	<.5	20
17...	3.3	--	1	1	10	10	660	6	50	<.5	60
31...	2.9	0	0	1	20	0	740	3	40	<.5	20
APR. 14...	2.5	--	1	0	0	10	460	2	40	<.5	10
MAY 20...	14	--	0	1	0	10	450	3	50	<.5	30
12...	4.3	--	0	1	10	20	590	4	50	<.5	20
28...	3.6	--	0	0	10	20	220	5	40	<.5	20
JULY 29...	4.4	1	1	1	<10	10	270	12	--	<.5	60
AUG. 27...	8.4	0	1	0	10	10	290	270	--	<.5	20

01356000 MOHAWK RIVER AT VISCHER FERRY DAM, N.Y.

LOCATION.--Lat 42°48'27", long 73°50'39", Saratoga County, at bridge crossing headrace of Vischer Ferry powerplant operated by New York State Department of Transportation at Vischer Ferry Dam.

DRAINAGE AREA.--3,385 mi² (8,767 km²).

PERIOD OF RECORD.--Chemical analyses: October 1951 to September 1953.

Water temperatures: October 1951 to September 1975 (discontinued).

EXTREMES.--1974-75:

Water temperatures: Maximum, 27.0°C July 8, 10, Aug. 3-5 minimum, freezing point on many days during winter period.

Period of record:

Water temperatures: Maximum, 29.5°C Aug. 5, 1955; minimum, freezing point on many days during winter periods.

REMARKS.-- Additional water quality data available from New York State Department of Environmental Conservation, Water Quality Surveillance Network station number 12 0003.

COOPERATION.--Water temperature record furnished by New York State Department of Transportation.

CHEMICAL ANALYSES

DATE	TIME	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
APR. 22...	1340	950	70	21	3.9	3.2	.9	67	55	12
MAY 19...	0940	460	50	26	4.5	7.6	.9	85	70	18

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRATE PLUS NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
APR. 22...	5.5	.64	.01	.65	.12	.24	.36	1.0	.07	.04
MAY 19...	11	.59	.03	.62	.21	.21	.42	1.0	.04	.01

DATE	TOTAL NON-FILTERABLE RESIDUE (MG/L)	FIXED NON-FILTERABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS) (MG/L)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
APR. 22...	31	28	118	88	161	24	15	3.5
MAY 19...	13	12	138	88	227	6	5	4.6

01356000 MOHAWK RIVER AT VISCHER FERRY DAM, N.Y.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
(TWICE DAILY MEASUREMENTS AT 0800 AND 1600)

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1	12.0						0.0	0.0	0.0	0.0	1.0	0.5
2	12.0	12.0	7.0	7.0	0.5	0.5	0.0	0.0	0.0	0.0	1.0	1.0
3	12.0	12.0	7.0	7.0	0.5	0.5	0.0	0.0	0.0	0.0	0.5	0.5
4	12.0	12.0	7.0	8.0	0.5	0.5	0.0	0.0	0.0	0.0	0.5	0.0
5	12.0	12.0	8.0	9.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	11.5	12.0	8.5	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6												
7	12.0	13.5	9.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	12.0	12.0	9.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0
9	13.5	13.5	9.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	13.0	13.0	9.0	9.0	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
	12.0	11.5	8.5	9.0	1.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0
11												
12	11.0	11.5	9.0	9.0	1.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0
13	11.0	11.0	9.0	9.0	0.5	0.5	1.0	1.0	0.0	0.0	0.5	1.0
14	11.5	11.5	8.5	8.0	0.5	0.5	1.0	0.5	0.0	0.0	1.0	1.0
15	11.5	11.5	8.0	8.0	0.5	0.5	1.0	1.0	0.0	0.0	1.0	1.0
	11.5	11.5	8.0	6.5	0.5	0.5	0.0	0.0	0.0	0.0	1.0	1.0
16												
17	11.5	11.5	6.5	6.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
18	11.5	11.5	5.5	5.5	0.5	0.5	0.0	0.0	0.0	0.0	1.0	3.0
19	10.5	10.5	5.5	5.5	0.5	0.5	0.0	0.0	0.0	0.0	1.0	3.5
20	10.5	10.0	5.5	6.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
	10.0	9.5	6.0	6.0	0.0	0.5	0.0	0.0	0.5	1.0	1.5	3.0
21												
22	7.0	7.0	6.0	6.0	0.0	0.0	0.0	0.0	0.5	1.0	2.0	2.0
23	7.0	6.5	5.5	4.5	0.5	1.0	0.0	0.0	1.0	1.0	2.0	2.0
24	8.0	9.0	4.5	5.0	0.5	0.5	0.0	0.0	0.5	0.5	2.0	2.0
25	8.0	8.0	4.5	4.5	0.5	1.0	0.0	0.0	0.5	0.5	3.5	3.5
	8.0	8.0	4.5	3.5	1.0	1.0	0.0	0.0	1.0	0.5	3.5	3.5
26												
27	8.0	9.0	3.5	3.0	0.0	0.0	0.0	0.0	1.5	1.5	2.0	2.0
28	7.0	7.0	3.0	2.0	0.0	0.0	0.0	0.0	1.0	1.0	3.0	3.0
29	6.0	7.0	1.5	2.0	0.0	0.0	0.0	0.0	1.5	0.5	1.0	1.0
30	7.0	8.0	1.5	2.0	0.0	0.0	0.0	0.0	---	---	1.0	1.0
31	7.0	7.0	2.0	2.0	0.0	0.0	0.0	0.0	---	---	1.5	1.5
	7.0	7.0	1.5	1.5	0.0	0.0	0.0	0.0	---	---	1.0	1.0
			---	---	0.0	0.0	0.0	0.0	---	---		

DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1												
2	1.0											
3	1.5	3.5	6.5	7.0	22.0	22.0	24.5	25.0	26.5	26.5	20.0	19.5
4	2.0	3.0	9.5	9.0	21.0	22.0	24.0	24.5	26.0	26.0	20.0	19.0
5	1.5	2.0	9.0	9.0	21.0	22.0	24.0	26.0	26.0	27.0	19.5	19.5
	0.5	1.0	10.0	10.0	21.0	21.0	25.0	25.5	26.5	27.0	19.0	19.5
6												
7	1.0	1.0	9.5	10.5	21.0	21.0	24.5	25.5	26.5	27.0	18.5	18.5
8	1.0	1.0	4.5	11.0	20.5	20.5	25.0	26.0	26.0	26.0	18.0	18.0
9	1.5	1.5	10.5	11.0	20.5	20.0	20.5	26.5	26.0	26.0	18.0	20.0
10	1.5	1.5	11.0	11.5	18.5	18.5	25.0	27.0	25.0	25.5	20.0	20.0
	1.5	1.5	11.5	12.0	17.0	16.5	25.0	25.0	23.5	24.5	19.0	19.0
11												
12	2.0	2.0	12.0	12.0	18.0	17.0	26.0	27.0	23.5	24.5	19.0	19.0
13	3.5	2.0	12.0	13.0	17.0	19.0	25.0	25.5	24.5	24.5	19.5	19.0
14	2.0	2.0	13.0	13.5	18.0	18.0	26.0	26.0	24.0	24.0	19.0	19.0
15	2.0	2.0	13.5	15.0	17.0	17.0	25.5	25.5	24.0	24.0	19.0	19.0
	2.0	5.5	14.5	14.5	18.0	18.5	25.0	25.5	24.0	24.5	18.5	18.5
16												
17	2.0	6.5	14.5	15.0	19.0	19.0	25.0	25.0	24.0	24.0	18.5	17.0
18	2.0	4.5	15.0	15.5	19.0	19.0	25.0	25.0	24.0	---	17.0	17.0
19	6.0	7.0	15.0	15.5	19.5	19.5	25.0	25.0	24.0	---	17.0	17.0
20	8.0	8.0	16.5	17.0	20.0	20.5	25.0	26.0	24.0	24.0	16.5	16.5
	8.0	8.0	17.0	18.0	21.0	21.0	25.5	26.0	23.5	24.0	15.5	15.5
21												
22	8.0	8.0	19.0	20.0	21.0	21.0	25.5	26.0	23.5	24.0	16.0	16.5
23	8.0	6.5	19.5	19.5	21.0	21.5	25.5	25.5	23.5	24.0	16.5	17.0
24	6.5	6.5	20.0	20.0	21.5	21.5	25.5	25.5	24.0	24.0	16.5	17.0
25	6.5	7.0	20.0	22.0	23.0	23.5	25.5	26.0	23.0	23.5	16.5	16.5
	6.5	8.0	21.5	21.5	23.5	25.0	25.5	26.5	23.5	23.5	16.0	16.0
26												
27	7.0	7.0	21.5	21.5	24.0	25.0	25.5	26.0	22.0	22.0	15.5	15.0
28	6.5	8.0	21.5	21.0	24.0	24.5	25.0	25.5	23.0	23.0	14.0	14.0
29	6.5	8.0	21.5	21.0	24.5	25.5	24.5	25.0	23.5	24.0	14.0	14.0
30	6.5	7.0	21.0	21.5	25.0	25.0	24.5	25.0	23.5	23.5	15.0	15.0
31	6.5	8.5	21.5	21.5	25.0	25.0	24.5	25.0	23.5	23.5	15.0	15.0
	---	7.0	22.0	22.0	25.0	25.0	25.0	25.5	23.5	23.5	---	---
		---	21.0	22.0	---	---	25.0	25.5	21.0	22.0		

HUDSON RIVER BASIN

01357000 MOHAWK RIVER AT CRESCENT DAM, N.Y.

LOCATION.--Lat 42°48'22", long 73°43'24", Albany County, at hydroelectric station at Crescent Dam and 1.7 mi (2.7 km) upstream from gaging station (01357500) at Cohoes.

DRAINAGE AREA.--3,453 mi² (8,943 km²).

PERIOD OF RECORD.--Chemical analyses: April 1969 to September 1975.

REMARKS.--New York State Water Quality Surveillance Network station number 12 0002. Water discharge data are based on records for 01357500 diversion from Mohawk River at Crescent Dam and 01357500 Mohawk River at Cohoes.

COOPERATION.--Samples furnished by New York State Department of Environmental Conservation.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS-CHARGE (CFS)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)
OCT.												
07...	0930	E3080	35	7.4	8.6	1.7	127	104	25	13	.44	.02
22...	1145	E2830	37	7.0	9.0	1.7	111	91	28	13	.52	.01
NOV.												
04...	1300	E2620	34	6.0	9.9	1.8	108	89	25	14	.48	.01
18...	1030	E6380	35	4.4	5.6	1.9	98	80	22	8.0	.47	.01
DEC.												
09...	1110	E24900	32	6.3	8.8	1.0	109	89	22	14	.64	.00
JAN.												
06...	1045	E4680	38	6.2	8.0	.8	107	88	25	11	.57	.01
20...	1025	E6420	35	6.2	8.7	1.2	101	83	22	12	.83	.01
FEB.												
03...	1010	E6950	30	5.3	7.4	1.4	82	67	18	12	.66	.02
18...	1040	E5000	32	5.3	11	1.1	100	82	23	15	.79	.02
MAR.												
03...	1025	E8700	32	5.3	6.6	1.5	98	80	20	11	1.2	.02
17...	1010	E4530	35	4.8	7.8	1.1	102	84	24	14	.79	.01
31...	1115	E8630	30	4.9	6.1	1.1	85	70	17	11	.70	.01
APR.												
14...	1120	E6810	28	5.5	6.1	.8	101	83	19	12	.85	.01
29...	1220	E9100	20	4.6	3.7	.9	63	52	15	6.1	.68	.01
MAY												
12...	0915	E6020	23	4.2	5.0	1.0	73	60	15	8.1	.61	.04
28...	1315	E2590	30	5.7	7.5	1.0	98	80	22	11	2.0	--
JULY												
29...	1210	E1680	--	--	--	--	--	--	--	--	--	--
AUG.												
27...	1310	E1900	--	--	--	--	--	--	--	--	--	--

DATE	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	FIXED NON-FILTERABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)
OCT.											
07...	.46	.42	.39	.81	1.3	.08	.02	--	19	13	197
22...	.53	.47	.21	.68	1.2	.07	.02	--	8	5	172
NOV.											
04...	.49	.44	.21	.65	1.1	.09	.05	--	13	11	177
18...	.48	.36	.26	.62	1.1	.12	.09	--	38	30	185
DEC.											
09...	.64	.37	.11	.48	1.1	.07	.04	--	11	10	179
JAN.											
06...	.58	.27	.32	.59	1.2	.05	.04	--	4	2	161
20...	.84	.21	.34	.55	1.4	.06	.04	--	10	8	163
FEB.											
03...	.68	.30	.06	.36	1.0	.07	.07	--	24	18	165
18...	.81	.42	.25	.67	1.5	.05	.04	--	4	3	154
MAR.											
03...	1.2	.28	.18	.46	1.7	.07	.03	--	43	34	137
17...	.81	.31	.20	.51	1.3	.05	.03	--	8	8	165
31...	.71	.20	.20	.40	1.1	.06	.03	--	29	19	151
APR.											
14...	.86	.21	.26	.47	1.3	.06	.03	--	21	14	170
29...	.69	.18	.13	.31	1.0	.07	.03	--	24	24	137
MAY											
12...	.63	.17	.41	.58	1.2	.11	.02	--	34	32	157
28...	2.0	.10	.53	.63	2.6	.08	.01	--	21	20	164
JULY											
29...	.54	.11	.99	1.1	1.6	.27	--	204	19	--	--
AUG.											
27...	.36	.17	.82	.99	1.4	.10	--	182	16	--	--

E Estimated value.

HUDSON RIVER BASIN

01357000 MOHAWK RIVER AT CRESCENT DAM, N.Y.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	RESIDUE ON IGNITION (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	CHLOROPHYLL A (UG/L)	CHLOROPHYLL B (UG/L)
OCT. 07...	138	292	7.8	14.0	10	8	9.8	--	16	--	--
22...	156	287	7.5	9.0	10	6	10.8	--	14	7.7	.0
NOV. 04...	148	266	7.8	10.0	20	10	10.0	--	16	--	--
18...	139	236	7.8	7.0	50	40	11.6	--	19	--	--
DEC. 09...	147	283	7.5	2.0	20	10	13.6	--	17	--	--
JAN. 06...	140	286	7.5	.0	20	5	13.6	--	9	--	--
20...	138	275	7.5	.0	20	10	14.4	--	11	--	--
FEB. 03...	114	223	7.5	.0	40	20	14.6	--	12	--	--
18...	143	273	7.5	1.0	10	4	12.4	--	10	--	--
MAR. 03...	123	225	7.5	1.0	40	20	13.4	--	11	--	--
17...	115	255	7.5	2.5	10	7	13.4	--	10	--	--
31...	111	219	7.5	4.0	16	15	13.4	--	11	.0	.0
APR. 14...	133	240	8.1	5.5	17	15	7.8	--	13	--	--
29...	113	164	7.5	8.5	25	15	11.4	--	12	--	--
MAY 12...	130	179	8.0	14.5	8	19	9.0	--	19	--	--
28...	117	241	8.0	21.5	9	12	8.0	--	18	--	--
JULY 29...	--	320	8.7	26.0	--	7	8.4	--	23	26	.0
AUG. 27...	--	--	8.6	24.0	--	7	8.0	95	19	8.0	.0

DATE	TOTAL ORGANIC CARBON (MG/L)	OIL AND GREASE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	TOTAL LFAD (PB) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
OCT. 07...	7.0	--	<1	0	10	20	490	9	100	<.5	190
22...	6.6	0	1	0	<10	0	690	3	130	<.5	260
NOV. 04...	5.8	--	1	0	10	10	590	1	60	<.5	110
18...	6.1	--	2	1	<10	10	1500	2	140	<.5	40
DEC. 09...	2.8	--	0	2	<10	0	1600	6	100	<.5	220
JAN. 06...	3.9	--	1	6	10	10	530	3	90	<.5	20
20...	3.3	--	0	3	0	20	510	4	30	<.5	10
FEB. 03...	3.7	--	0	16	0	0	750	8	60	<.5	10
18...	3.1	--	1	1	0	10	740	3	60	<.5	20
MAR. 03...	3.5	--	0	2	0	0	770	5	40	<.5	20
17...	4.1	--	0	2	0	10	310	1	40	<.5	40
31...	3.1	0	0	3	10	0	590	2	50	<.5	20
APR. 14...	3.1	--	2	8	<10	0	620	4	50	<.5	20
29...	15	--	1	0	<10	10	920	3	80	<.5	30
MAY 12...	4.7	--	2	2	10	10	1400	21	130	.5	30
28...	3.9	--	1	0	10	20	850	10	80	<.5	20
JULY 29...	5.0	1	3	1	<10	20	850	310	--	<.5	40
AUG. 27...	8.2	2	1	1	10	10	590	29	--	<.5	20

HUDSON RIVER BASIN

01358000 HUDSON RIVER AT GREEN ISLAND, N.Y.
(National Stream Quality Accounting Network River Station)
(National Radiochemical Surveillance Program Station)

LOCATION (Revised).--Lat 42°43'44", long 73°41'51", Albany-Rensselaer County line, at new bridge on State Highway 7, 0.6 mi (0.9 km) downstream from bridge on road between Green Island and Troy and 1.7 mi (2.7 km) downstream from gaging station at Troy lock and dam.

DRAINAGE AREA.--8,090 mi² (20,953 km²), approximately, at gaging station (including that above site of former auxiliary gage).

PERIOD OF RECORD.--Chemical analyses: October 1963 to September 1975.
Water temperatures: October 1954 to September 1975.

EXTREMES.--1974-75:

Water temperatures: Maximum, 26.5°C on several days during July and August; minimum, freezing point on many days during winter period.

Period of record:

Water temperatures: Maximum, 28.5°C July 27-30, 1963; minimum, freezing point on many days during winter periods.

REMARKS.--Water temperature measurements made at Troy lock and dam, lat 42°45'08", long 73°41'22". Prior to October 1968 sampling site at old bridge on State Highway 7 about 100 ft (33 km) upstream and between April 1971 and September 1973 sampling site at bridge on road between Green Island and Troy at Starbuck Island. Stream frozen or no water temperature record Dec. 16 to April 23.

COOPERATION.--Water temperature record furnished by the Corps of Engineers.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS-CHARGE (CFS)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNE-SIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	
OCT.													
11...	0900	E7920	370	30	20	4.6	5.3	.8	--	61	0	61	
NOV.													
11...	1500	E9940	350	30	21	7.4	6.0	1.2	--	62	0	62	
DEC.													
03...	1000	E20500	650	50	18	3.8	4.1	1.8	--	58	0	58	
JAN.													
07...	1015	E12000	180	30	23	4.0	5.0	.3	--	56	0	56	
FEB.													
11...	1000	E12000	190	40	16	4.0	5.0	.6	--	48	0	48	
MAR.													
07...	1000	E17200	250	30	15	3.7	3.9	.7	--	50	0	50	
APR.													
02...	1015	E15800	250	40	20	3.9	4.3	.8	--	59	0	59	
MAY													
06...	1415	E35600	620	50	15	3.1	2.9	.7	--	26	0	26	
AUG.													
14...	1500	E9060	340	60	--	--	--	--	1.2	69	0	69	
SEP.													
08...	1430	E5890	--	--	--	--	--	--	1.4	75	0	75	
DATE		DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	TOTAL ORTHO PHOS-PHORUS (P) (MG/L)	TOTAL NON-FILTRABLE RESIDUE (MG/L)
OCT.													
11...	17	9.2	.34	.00	.34	.32	.12	.44	.78	.04	.01		12
NOV.													
11...	18	9.3	.45	.01	.46	.38	.07	.45	.91	.05	.03		9
DEC.													
03...	15	7.1	.43	.00	.43	.12	.22	.34	.77	.02	.02		5
JAN.													
07...	17	9.3	.52	.01	.53	.20	.21	.41	.94	.03	.01		16
FEB.													
11...	13	8.6	.49	.01	.50	.15	.15	.30	.80	.02	.01		1
MAR.													
07...	11	7.4	.49	.01	.50	.11	.19	.30	.80	.02	.01		3
APR.													
02...	11	7.8	.54	.01	.55	.13	.22	.35	.90	.03	.01		27
MAY													
06...	11	6.1	.45	.01	.46	.07	.28	.35	.81	.05	.02		--
AUG.													
14...	16	9.1	--	--	.50	--	--	.61	1.1	.04	--		11
SEP.													
08...	18	9.0	--	--	.52	--	--	.66	1.2	.04	--		--

E Estimated value.

01358000 HUDSON RIVER AT GREEN ISLAND, N.Y.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL RESIDUE (MG/L)	FIXED NON-FILT-RABLE RESIDUE (MG/L)	RESIDUE ON IGNITION (MG/L)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOP (PLAT-INUM-COBALT UNITS)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
NOV. 11...	116	7	92	190	7.2	11.0	5	7	10.6	94	14	5.8
DEC. 03...	115	5	88	160	7.4	8.0	20	7	12.2	103	11	4.1
JAN. 07...	101	5	65	170	7.1	1.5	30	7	14.4	112	13	4.4
FEB. 11...	100	0	86	145	7.5	.5	10	5	--	--	11	3.9
MAY. 07...	79	12	71	145	7.6	.0	10	6	14.4	102	13	15
APR. 02...	84	0	61	148	7.7	1.5	10	4	13.9	101	8	3.0
MAY. 06...	103	0	76	161	7.6	3.0	11	7	13.8	101	11	3.2
AUG. 14...	88	22	68	110	7.5	10.5	14	6	11.7	101	15	4.1
SEP. 08...	--	--	--	200	7.6	24.5	--	4	--	--	--	4.0
SEP. 08...	--	--	--	195	8.0	20.5	--	6	9.1	93	--	--

DATE	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CAP-BONATE HARDNESS (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
AUG. 14...	3.4	22	4.7	7.8	1.2	.0	126	99	74	18	4100	270
SEP. 08...	3.2	23	4.5	6.4	1.4	.1	119	103	76	14	17000	1200

DATE	TIME	TOTAL ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL COBALT (CO) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)
FEB. 11...	1000	0	--	--	--	--	--	--	--	0	--	190
MAY. 06...	1415	1	--	--	--	--	--	--	--	0	--	620
AUG. 14...	1500	0	0	0	0	<10	<10	1	1	10	0	340

DATE	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
FEB. 11...	--	4	--	40	--	<.5	--	--	--	--	--
MAY. 06...	--	5	--	50	--	<.5	--	--	--	--	--
AUG. 14...	60	16	4	60	20	<.5	<.5	0	0	30	10

RADIOCHEMICAL ANALYSES

DATE	TIME	DIS-SOLVED GROSS ALPHA AS U-NAT. (UG/L)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L)	TOTAL FILTRABLE RESIDUE (MG/L)	SUS-PENDED GROSS ALPHA AS U-NAT. (UG/L)	SUS-PENDED GROSS BETA AS CS-137 (PC/L)	SUS-PENDED GROSS BETA AS SR90 /Y90 (PC/L)	TOTAL NON-FILTRABLE RESIDUE (MG/L)	DIS-SOLVED RA-226 (RADON METHOD) (PC/L)	DIS-SOLVED URANIUM (U) (UG/L)
SEP. 08...	1430	1.2	11	9.1	120	<.4	.9	.8	11	.02	.13

Results based on colony count outside the acceptable range (non-ideal colony count).

HUDSON RIVER BASIN

01358000 HUDSON RIVER AT GREEN ISLAND, N.Y.--Continued

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA

PHYTOPLANTON, AUGUST AND SEPTEMBER 1975

DATE	TOTAL COUNT Cells/ml	ORGANISMS IDENTIFIED	PERCENT COMPOSITION	DATE	TOTAL COUNT Cells/ml	ORGANISMS IDENTIFIED	PERCENT COMPOSITION
Aug. 14 1975	13,000	<u>Oscillatoria</u>	72	Sept. 8 1975	5,000	<u>Cyclotella</u>	44
		<u>Actinastrum</u>	8			<u>Melosira</u>	40
		<u>Scenedesmus</u>	8			<u>Kirchneriella</u>	7
		<u>Dictyosphaerium</u>	2			<u>Navicula</u>	5
		<u>Melosira</u>	2			<u>Achnanthes</u>	1
		<u>Nitzschia</u>	2			<u>Nitzschia</u>	1
		<u>Ankistrodesmus</u>	1			<u>Pediastrum</u>	<1
		<u>Kirchneriella</u>	1			<u>Ankistrodesmus</u>	<1
		<u>Cyclotella</u>	1			<u>Scenedesmus</u>	<1
		<u>Achnanthes</u>	1			<u>Cymbella</u>	<1
		<u>Gomphonema</u>	1			<u>Anabaena</u>	<1
		<u>Pediastrum</u>	<1				
		<u>Oocystis</u>	<1				
		<u>Cocconeis</u>	<1				
		<u>Cymbella</u>	<1				
		<u>Diatoma</u>	<1				
		<u>Fragilaria</u>	<1				
		<u>Navicula</u>	<1				
		<u>Gomposphaeria</u>	<1				

< - Less than 1 Percent; may not have been actually counted.

HUDSON RIVER BASIN

01358000 HUDSON RIVER AT GREEN ISLAND, N.Y.--Continued

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TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

(ONCE-DAILY MEASUREMENT AT 0800)

Day	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	15.0	8.5	1.5									
3	14.5	8.5	1.5				---	8.0	21.0	24.0	26.5	21.0
4	13.0	10.0	1.5				---	8.0	21.0	24.5	26.0	21.0
5	13.0	10.0	1.5				---	8.0	21.0	25.5	26.0	21.0
6		10.0	1.5				---	9.5	21.0	25.5	26.0	20.0
7	12.0						---	9.5	20.0	26.0	26.0	20.0
8	12.0	10.0	1.0				---	9.5	20.0	26.0	25.5	20.0
9	11.0	9.5	1.0				---	10.0	18.0	26.0	25.5	20.0
10	11.0	9.5	1.0				---	10.5	17.0	26.0	25.5	20.0
11	10.5	8.5	1.0				---	10.5	16.0	26.5	26.0	20.0
12		8.5	0.5				---	11.0	16.0	26.5	26.0	19.5
13	12.0	8.0	0.5				---	11.0	16.0	26.5	26.0	19.0
14	12.0	8.0	0.5				---	12.0	16.0	26.5	26.0	19.5
15	13.0	7.0	0.5				---	12.0	16.0	26.0	26.0	19.5
16	12.0	8.0	0.5				---	13.0	19.0	25.5	26.0	18.0
17	12.0	8.0	0.5				---	14.5	19.0	25.5	26.0	17.0
18	11.5	6.5	---				---	15.5	19.5	26.0	26.0	17.0
19	11.0	6.5	---				---	15.5	20.0	26.5	26.0	17.0
20	10.5	6.5	---				---	15.5	20.0	26.5	26.0	17.0
21	10.0	6.0	---				---	15.5	21.0	25.5	25.5	17.0
22	10.0	6.0	---				---	18.5	22.0	26.0	24.0	17.0
23	9.0	6.0	---				---	18.5	22.0	26.5	24.0	17.0
24	8.5	5.5	---				---	18.5	22.0	26.5	22.0	18.0
25	8.5	5.5	---				---	19.5	23.0	26.5	22.0	18.0
26	8.5	6.0	---				---	6.5	20.0	23.5	22.0	17.0
27	8.5	6.0	---				---	6.5	20.0	24.0	26.5	16.5
28	8.5	5.0	---				---	6.5	20.0	24.0	26.0	16.0
29	8.0	4.0	---				---	6.5	20.0	24.0	25.5	15.0
30	8.0	4.0	---				---	6.5	20.5	24.0	26.0	15.0
31	8.0	4.0	---				---	6.5	21.0	24.0	26.5	14.5
AVERAGE	10.5	7.0	---				---	7.0	21.0	24.0	26.5	23.0
							---	21.0	---	26.5	22.0	---
							---	14.5	20.5	26.0	25.0	18.0

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS-CHARGE (CFS)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)	SUS. SED. FIFVE DIAM. % FINER THAN .062 MM
APR. 08...	1500	E20000	25	E1400	--
JULY 17...	2200	E9340	27	E700	--
AUG. 14...	1500	E9060	11	E270	81
SEP. 08...	1430	E5890	11	E170	95

Estimated value.

01359150 MILL CREEK NEAR EAST GREENBUSH, N.Y.

LOCATION.--Lat 42°36'45", long 73°41'45", Rensselaer County, at gaging station, at bridge on Michael Road, 0.5 mi (0.8 km) south of State Highway 151, and 1.6 mi (2.6 km) north of East Greenbush.

DRAINAGE AREA.--9.74 mi² (25.2 km²).

PERIOD OF RECORD.--Sediment records: March to September 1975.

EXTREMES.--1975:

Sediment concentrations: Maximum daily, 1,330 mg/l Apr. 3; minimum daily, 0 mg/l on many days.

Sediment discharge: Maximum daily, 1,080 tons (975 tonnes) Apr. 3; minimum daily, 0 ton (0 tonne) on many days.

REMARKS.--Dashes (---) in mean concentration column infer a concentration of less than 0.5 mg/l.

SUSPENDED-SEDIMENT DISCHARGE MEASUREMENTS, FEBRUARY 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	TEMPERATURE (DEG C)	DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	TEMPERATURE (DEG C)
FEB. 25...	1045	146	121	48	--	FEB. 28...	1410	32	17	1.5	--

SUSPENDED-SEDIMENT DISCHARGE, MARCH TO SEPTEMBER 1975

MARCH			
DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	26	6	.42
2	22	8	.48
3	18	1	.05
4	13	0	0
5	11	3	.15
6	11	1	.04
7	13	1	.04
8	15	4	.18
9	15	10	.57
10	11	0	0
11	9.5	0	0
12	10	0	0
13	14	0	0
14	10	2	.05
15	11	3	.09
16	11	15	.61
17	13	6	.23
18	12	---	.01
19	13	0	0
20	84	200	53
21	60	50	8.1
22	32	19	1.6
23	30	21	1.7
24	34	90	8.3
25	38	35	3.6
26	26	8	.56
27	21	---	.01
28	18	1	.06
29	16	11	.50
30	15	14	.83
31	15	9	.36
MONTH	647.5	---	81.54

01359150 MILL CREEK NEAR EAST GREENBUSH, N.Y.—Continued

SUSPENDED—SEDIMENT DISCHARGE, MARCH TO SEPTEMBER 1975

DAY	APRIL			MAY			JUNE		
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	15								
2	15	4	.17	5.7	2	.03	3.3	2	.02
3	181	1	.04	6.8	1	.02	2.8	2	.02
4	125	1330	1080	7.6	4	.08	3.9	5	.05
5	53	210	71	9.6	10	.26	7.6	8	.16
6		50	5.8	16	7	.30	5.7	15	.23
7	41	10	.89	8.8	2	.05	14	33	1.2
8	34	7	.51	8.4	0	0	8.8	11	.26
9	28	3	.19	6.8	2	.04	7.2	6	.12
10	24	4	.22	6.0	0	0	4.5	3	.04
11	21	13	.63	5.7	---	.01	3.0	1	.01
12	19								
13	16	24	.97	5.4	2	.03	2.6	4	.03
14	14	26	.91	7.6	7	.14	16	82	5.5
15	14	22	.65	17	17	.78	18	18	.87
16	12	12	.32	8.8	6	.14	10	14	.38
17	12	12	.29	6.8	4	.07	5.7	9	.14
18	11	14	.32	13	15	.53	5.4	4	.06
19	10	8	.15	8.0	3	.06	7.6	14	.29
20	10	10	.16	6.4	2	.03	4.8	10	.13
21	10	11	.20	5.4	1	.01	3.6	10	.10
22	10	10	.27	4.5	2	.02	3.0	10	.08
23	8.8	7	.17	4.2	2	.02	2.4	8	.05
24	7.6	8	.16	3.9	2	.02	2.2	6	.04
25	7.6	7	.14	3.6	3	.03	1.8	4	.02
26	9.6	2	.05	3.0	3	.02	1.8	4	.02
27	10	4	.11	2.6	2	.01	1.7	4	.02
28	8.0	6	.13	2.4	1	.01	1.7	2	.01
29	7.2	3	.06	3.0	---	0	1.5	1	0
30	6.8	3	.06	2.8	1	.01	1.5	1	0
31	6.4	---	0	2.2	---	0	1.8	7	.03
31	5.7	3	.05	3.5	1	.01	2.8	5	.04
31	---	---	---	3.9	2	.02	---	---	---
MONTH	742.7	---	1164.62	199.4	---	2.75	156.7	---	9.92
DAY	JULY			AUGUST			SEPTEMBER		
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	1.8								
2	1.5	6	.03	1.5	1	0	4.8	3	.04
3	1.5	4	.02	1.4	---	0	3.9	9	.09
4	1.7	8	.03	1.2	1	0	3.3	7	.06
5	1.4	5	.02	2.0	6	.03	2.8	3	.02
6		2	.01	3.6	5	.05	2.4	6	.04
7	1.4								
8	1.2	4	.02	1.8	2	.01	3.0	4	.03
9	1.2	4	.01	24	131	14	2.8	3	.02
10	3.9	5	.02	120	161	54	2.2	3	.02
11	7.2	71	2.5	46	25	3.1	2.4	3	.02
12		15	.29	16	9	.39	2.0	2	.01
13	3.0								
14	2.2	6	.05	26	222	72	1.8	1	0
15	4.8	4	.02	62	359	90	4.8	35	.45
16	6.4	9	.12	16	20	.86	5.7	3	.05
17	7.6	10	.17	10	5	.14	3.0	0	0
18		12	.25	7.2	8	.16	2.4	0	0
19	3.9								
20	2.4	7	.07	6.0	5	.08	2.2	0	0
21	1.8	5	.03	6.0	5	.08	2.4	0	0
22	1.7	4	.02	5.1	3	.04	2.4	1	.01
23	5.1	2	.01	3.6	3	.03	2.8	---	0
24		15	.21	3.0	4	.03	4.2	---	0
25	10								
26	3.9	18	.49	2.6	2	.01	3.3	8	.07
27	2.4	4	.04	2.6	3	.02	2.6	12	.08
28	2.6	3	.02	2.6	3	.02	8.8	22	.52
29	23	5	.04	3.0	4	.03	9.6	18	.47
30	7.2	30	1.9	3.0	2	.02	50	44	5.9
31	3.3								
32	2.4	7	.14	2.8	2	.02	44	10	.95
33	2.0	6	.05	2.4	2	.01	35	5	.47
34	1.8	---	0	2.0	2	.01	19	4	.17
35	1.7	---	0	2.4	30	.19	12	5	.13
36		2	.01	36	141	15	10	6	.16
37		2	.01	9.6	5	.13	---	---	---
MONTH	122.0	---	6.60	431.4	---	250.46	255.6	---	9.78
YEAR	4763.0	---	1525.67		---			---	

01359560 HUDSON RIVER AT GLENMONT, N.Y.

LOCATION.--Lat 42°35'43", long 73°45'43", Albany County, at Niagara Mohawk Glenmont Power Station (intake), 0.2 mi (0.3 km) downstream from lower mouth of Normans Kill and 0.9 mi (1.4 km) southeast of Glenmont.

DRAINAGE AREA.--8,476 mi² (21,953 km²).

PERIOD OF RECORD.--Chemical analyses: April 1969 to September 1975.

REMARKS.--New York State Water Quality Surveillance network station number 13 0200. Water discharge data are based on records for 01358000 Hudson River at Green Island.

COOPERATION.--Samples furnished by New York State Department of Environmental Conservation.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS- CHARGE (CFS)	TOTAL CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL PO- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	ALKA- LITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)
OCT.												
07...	1545	E9110	24	5.6	12	1.4	72	59	25	10	.51	.01
22...	1615	E9070	26	6.1	9.8	1.8	79	65	25	14	.58	.02
NOV.												
04...	1130	F4610	22	4.8	7.5	1.4	69	57	21	12	.48	.01
18...	1550	F14300	19	3.7	5.5	1.5	63	52	18	8.1	.41	.01
DEC.												
09...	0945	F35800	26	5.0	7.0	1.2	75	62	19	11	.58	.00
JAN.												
06...	1615	F11200	25	4.8	6.9	.5	70	57	20	8.9	.48	.01
20...	1630	F18700	23	4.9	8.3	1.0	67	55	19	11	.61	.01
FEB.												
03...	1525	F16700	21	4.7	7.9	1.2	66	54	19	13	.59	.01
18...	1400	F12500	23	4.0	11	.9	67	55	17	16	.67	.01
MAR.												
03...	1630	F21400	24	5.3	9.4	1.4	80	66	23	17	2.7	.05
17...	1600	F13900	22	4.3	7.1	.8	68	56	20	15	.64	.02
31...	1700	F19700	24	4.6	6.0	1.0	69	57	16	11	.64	.02
APR.												
14...	0940	F15200	38	6.5	6.5	.8	82	67	19	14	.77	.01
29...	1350	F26100	15	5.0	4.5	.8	49	40	15	7.7	1.4	.01
MAY												
12...	1500	F18600	17	3.1	3.9	.7	43	35	11	6.4	.50	.01
27...	1230	E9920	19	3.8	6.0	.9	53	43	17	9.6	.65	.03
JULY												
28...	1200	E4790	--	--	--	--	--	--	--	--	--	--
AUG.												
26...	1125	E6040	--	--	--	--	--	--	--	--	--	--
SEP.												
30...	1145	F26600	12	3.5	3.9	1.5	68	56	12	5.1	--	--

DATE	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL OPHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	FIXED NON- FILT- RABLE RESIDUE (MG/L)	TOTAL RESI- DUE (MG/L)
OCT.											
07...	.52	.50	.20	.70	1.2	.07	.02	--	17	12	172
22...	.60	.51	.20	.71	1.3	.07	.02	--	2	1	154
NOV.											
04...	.49	.40	.15	.55	1.0	.07	.04	--	7	4	133
18...	.42	.32	.25	.57	.99	.09	.06	--	22	16	131
DEC.											
09...	.58	.30	.19	.49	1.1	.10	.03	--	58	51	181
JAN.											
06...	.49	.20	.16	.36	.85	.05	.02	--	3	0	121
20...	.62	.18	.06	.24	.86	.05	.03	--	5	4	122
FEB.											
03...	.60	.23	.13	.36	.96	.06	.04	--	17	12	134
18...	.68	.32	.10	.42	1.1	.05	.02	--	6	3	130
MAR.											
03...	2.7	.58	--	.52	3.2	.06	.02	--	40	27	144
17...	.66	.23	.27	.50	1.2	.05	.03	--	5	4	126
31...	.66	.15	.39	.54	1.2	.05	.02	--	8	3	131
APR.											
14...	.78	.17	.26	.43	1.2	.06	.03	--	17	9	157
29...	1.4	.15	.16	.31	1.7	.04	.02	--	14	13	104
MAY											
12...	.51	.09	.28	.37	.88	.04	.01	--	11	10	94
27...	.68	.18	.31	.49	1.2	.08	.02	--	28	28	127
JULY											
28...	1.1	.19	.81	1.0	2.1	.09	--	136	13	--	--
AUG.											
26...	1.2	.10	.60	.70	1.9	.10	--	166	11	--	--
SEP.											
30...	.31	.07	.44	.51	.82	.08	--	111	25	--	--

E Estimated value.

HUDSON RIVER BASIN

01359560 HUDSON RIVER AT GLENMONT, N.Y.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	RESIDUE ON IGNITION (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLAT-INUM-CORAL UNITS)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	CHLORO-PHYLL A (UG/L)	CHLORO-PHYLL B (UG/L)
OCT. 07...											
OCT. 22...	115	222	7.5	13.0	9	8	9.0	--	17	--	--
NOV. 04...	130	250	7.5	9.5	10	5	10.4	--	14	--	--
NOV. 18...	100	196	7.3	11.0	20	7	8.8	--	14	--	--
DEC. 09...	91	182	7.7	7.0	30	20	11.8	--	17	--	--
JAN. 06...	150	215	7.5	3.0	20	30	12.6	--	15	--	--
JAN. 20...	99	212	7.0	.5	20	5	13.0	--	13	--	--
FEB. 03...	99	216	7.5	.0	20	9	13.8	--	12	--	--
FEB. 18...	96	196	7.0	1.0	30	20	14.6	--	13	--	--
MAR. 03...	92	218	7.0	1.0	10	4	14.2	--	11	--	--
MAR. 17...	109	225	7.0	1.5	40	20	13.0	--	12	--	--
APR. 03...	108	199	7.5	4.5	10	6	13.4	--	13	--	--
APR. 14...	79	194	7.5	2.5	18	10	13.0	--	12	.0	.0
MAY 09...	137	214	7.5	5.5	14	10	7.6	--	14	--	--
MAY 29...	83	149	7.2	8.0	17	8	11.4	--	12	--	--
JULY 12...	76	120	7.0	14.5	11	7	9.4	--	14	--	--
JULY 27...	97	170	7.6	21.0	12	7	6.8	--	12	--	--
AUG. 06...	--	205	8.1	24.5	--	4	6.6	--	17	.0	.0
SEP. 26...	--	232	7.8	23.0	--	5	4.6	53	17	.0	.0
SEP. 30...	--	155	8.3	15.0	--	15	9.4	92	17	.0	.0

DATE	TOTAL ORGANIC CARBON (C) (MG/L)	OIL AND GREASE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
OCT. 07...											
OCT. 22...	8.0	--	1	0	10	20	770	9	140	<.5	40
NOV. 04...	6.0	0	1	1	10	20	460	6	160	<.5	240
NOV. 18...	5.3	--	1	0	0	20	340	2	60	<.5	120
DEC. 09...	5.5	--	1	3	<10	10	790	4	100	<.5	20
JAN. 06...	4.5	--	1	3	0	10	1800	12	120	<.5	30
JAN. 20...	4.6	--	1	4	10	10	400	3	70	<.5	10
FEB. 03...	4.1	--	0	3	10	0	380	8	40	<.5	10
FEB. 18...	3.4	--	0	8	0	0	670	11	150	<.5	10
MAR. 03...	5.2	--	1	2	0	0	250	4	90	<.5	40
MAR. 17...	4.2	--	1	3	0	0	750	5	70	<.5	30
APR. 03...	4.4	--	1	2	10	40	490	0	40	<.5	20
APR. 14...	3.7	0	0	1	<10	0	470	1	50	<.5	20
MAY 09...	4.2	--	1	0	0	0	520	3	50	<.5	20
MAY 29...	3.6	--	2	1	<10	10	1900	7	70	<.5	60
JULY 12...	6.3	--	1	1	0	10	470	11	70	<.5	30
JULY 27...	5.3	--	0	0	10	10	760	7	90	<.5	20
AUG. 06...	3.8	0	1	0	0	20	340	280	--	.6	40
SEP. 26...	5.0	0	2	0	10	10	280	4	--	<.5	20
SEP. 30...	5.6	0	1	1	0	10	780	260	--	<.5	30

01359803 HUDSON RIVER AT COEYMANS, N.Y.

LOCATION.--Lat 42°28'57", long 73°47'20", Albany County, at dock at Powell and Minnock Brick Works, 0.4 mi (0.6 km) upstream from Coeymans Creek, and 0.4 mi (0.6 km) northeast of Coeymans.

DRAINAGE AREA.--8,595 mi² (22,261 km²).

PERIOD OF RECORD.--Chemical analyses: April 1969 to May 1975 (discontinued).

REMARKS.--New York State Water Quality Surveillance Network station number 13 0180.

COOPERATION.--Samples furnished by New York State Department of Environmental Conservation.

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	TOTAL IRON (FF) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	SILICATE (HCO ₃) (MG/L)	ALUMINUM (AL) (MG/L)	DISSOLVED SILICATE (SiO ₄) (MG/L)
OCT. 08...	1245	280	90	23	5.4	7.5	1.4	73	60	21
NOV. 06...	1440	380	100	26	5.0	9.0	1.2	69	67	22
DEC. 17...	1410	660	90	21	4.1	6.5	1.2	62	51	17
JAN. 21...	1415	360	40	24	4.6	9.7	.9	62	51	14
FEB. 19...	1655	470	100	24	4.2	11	.9	66	54	14
MAR. 18...	1415	440	50	30	4.5	7.6	1.0	70	57	10
APR. 16...	1440	460	60	23	4.9	7.1	1.0	72	59	14
MAY 13...	1330	510	90	17	3.1	6.6	.8	66	38	13

DATE	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRATE PLUS NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL NITROPHOSPHORUS (P) (MG/L)
OCT. 08...	11	.49	.01	.50	.28	.12	.50	1.0	.04	.06
NOV. 06...	15	.45	.01	.46	.45	.13	.58	1.0	.07	.06
DEC. 17...	10	.56	.01	.57	.19	.07	.26	.83	.06	.03
JAN. 21...	11	.61	.01	.62	.17	.29	.46	1.1	.06	.03
FEB. 19...	14	.65	.01	.66	.33	.39	.72	1.4	.06	.02
MAR. 18...	13	.64	.01	.65	.21	.23	.44	1.1	.06	.02
APR. 16...	12	.67	.01	.68	.19	.14	.33	1.0	.05	.02
MAY 13...	7.3	.52	.01	.53	.11	.26	.37	.90	.05	.02

DATE	TOTAL NON-FILTERABLE RESIDUE (MG/L)	FIXED NON-FILTERABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)	RESIDUE ON IGNITION (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	COLOR (PLATINUM-COALTA UNITS)	TURBIDITY (JTU)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 08...	12	10	147	92	201	7	6	7	6.6
NOV. 06...	9	5	146	120	224	20	7	16	5.6
DEC. 17...	15	12	119	97	183	20	10	14	3.4
JAN. 21...	9	9	120	102	209	20	9	11	3.7
FEB. 19...	10	6	127	97	218	20	7	12	3.2
MAR. 18...	10	9	138	116	198	4	20	11	3.7
APR. 16...	11	8	134	108	212	9	8	11	3.0
MAY 13...	4	4	95	76	127	9	6	14	6.1

01361450 HUDSON RIVER AT CATSKILL, N.Y.

LOCATION.--Lat 42°12'36", long 73°51'12", Greene County, at right bank at Greene County Highway Department dock, 600 ft (183 m) upstream from Catskill Creek, and 0.9 mi (1.4 km) downstream from Rip Van Winkle Bridge.

DRAINAGE AREA.--9,336 mi² (24,180 km²).

PERIOD OF RECORD.--Chemical analyses: April 1969 to May 1975 (discontinued).

REMARKS.--New York State Water Quality Surveillance Network station number 13 0140.

COOPERATION.--Samples furnished by New York State Department of Environmental Conservation.

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
OCT. 08...	1200	280	50	26	5.6	7.0	1.4	79	65	21
NOV. 06...	1340	310	40	26	4.8	9.0	1.1	72	59	23
DEC. 17...	1315	710	80	22	3.5	6.0	1.0	47	39	17
JAN. 21...	1330	490	40	22	4.6	7.3	1.0	64	53	17
FEB. 19...	1600	320	80	23	4.0	8.0	1.0	65	53	17
MAR. 18...	1325	780	60	22	4.3	6.6	1.0	68	56	19
APR. 16...	1340	600	60	23	4.8	6.9	1.0	66	54	17
MAY 13...	1230	930	90	5.0	3.0	3.5	.7	41	34	12

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
OCT. 08...	11	.50	.01	.51	.28	.20	.48	.99	.08	.02
NOV. 06...	13	.49	.01	.50	.36	.13	.49	.99	.07	.03
DEC. 17...	9.7	.47	.00	.47	.17	.23	.40	.87	.04	.02
JAN. 21...	10	.63	.01	.64	.14	.23	.37	1.0	.05	.03
FEB. 19...	11	.63	.01	.64	.25	.00	.25	.89	.04	.03
MAR. 18...	11	.65	.01	.66	.20	.25	.45	1.1	.07	.02
APR. 16...	11	.66	.01	.67	.17	.13	.30	.97	.05	.02
MAY 13...	6.1	.52	.01	.53	.06	.25	.31	.84	.05	.02

DATE	TOTAL NON-FILTERABLE RESIDUE (MG/L)	FIXED NON-FILTERABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)	RESIDUE ON IGNITION (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 08...	16	10	155	103	211	4	5	18	6.2
NOV. 06...	6	4	137	115	220	20	5	16	5.3
DEC. 17...	14	11	103	87	158	10	10	14	4.6
JAN. 21...	13	13	120	100	204	20	10	10	12
FEB. 19...	8	4	122	94	199	20	6	11	3.5
MAR. 18...	18	18	140	103	190	20	10	13	4.3
APR. 16...	12	8	131	109	206	10	9	11	5.1
MAY 13...	20	18	108	91	123	16	8	12	14

HUDSON RIVER BASIN

01362198 ESOPUS CREEK AT SHANDAKEN, N.Y.
(Hydrologic bench-mark station)

LOCATION.—Lat 42°06'59", long 74°23'20", Ulster County, temperature recorder at gaging station at Shandaken, 0.5 mi (0.8 km) downstream from Bushnellville Creek, and 1.3 mi (2.1 km) upstream from Shandaken Tunnel Outlet.

DRAINAGE AREA.—59.5 mi² (154 km²).

PERIOD OF RECORD.—Chemical analyses: August 1963 to September 1975.

Water temperatures: July 1963 to July 1968, January 1970 to September 1975.

EXTREMES.—1974-75:

Water temperatures: Maximum, 24.5°C Aug. 2, 3; minimum, freezing point on many days during January and February.

Period of record:

Water temperatures: Maximum, 28.5°C Aug. 16, 1965; minimum, freezing point on many days during winter period.

REMARKS.—New York State Water Quality Surveillance Network station number 13 1128. Clock stopped Dec. 26-30, range in temperature 1.0° to 4.0°C, Jan. 15-17, range 0.0°C to 1.0°C and Jan. 20 to Feb. 3, range 0.0°C to 2.0°C.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SiO ₂) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)	CARBONATE (CO ₃) (MG/L)	ALKALINITY AS CaCO ₃ (MG/L)
OCT.										
23...	1530	E62	2.5	5.0	1.3	4.0	.3	13	0	11
NOV.										
27...	1000	E143	2.7	4.6	1.0	1.1	.1	9	0	7
DEC.										
30...	1330	E71	3.1	5.5	1.2	2.0	.1	10	0	8
JAN.										
17...	1000	E204	2.8	4.0	.8	2.6	.1	10	0	8
FEB.										
13...	1500	E90	2.4	3.5	.8	1.9	.6	10	0	8
MAR.										
31...	1450	E190	2.6	4.0	.9	1.7	.2	6	0	5
APR.										
30...	1400	E159	2.3	4.0	1.2	1.3	.2	8	0	7
MAY										
28...	1430	F98	2.3	4.6	.9	1.5	.2	10	0	8
JUNE										
10...	1030	E154	2.7	4.7	1.0	1.4	.1	9	0	7
JULY										
10...	1100	F56	3.2	6.0	1.2	2.6	.4	16	0	13
AUG.										
05...	1130	F64	3.1	9.0	1.0	2.5	.4	17	0	14
SEP.										
04...	1330	F34	2.9	7.5	1.5	2.4	.3	16	0	13

DATE	DIS-SOLVED SULFATE (SO ₄) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	TOTAL NITRATE PLUS NITRITE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180°C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (Ca+Mg) (MG/L)	NON-CARBONATE HARDNESS (MG/L)
OCT.									
23...	8.0	2.1	.1	.04	.00	31	30	18	7
NOV.									
27...	7.9	1.7	.7	.20	.01	40	24	16	8
DEC.									
30...	8.2	2.8	.1	.22	.01	23	28	19	10
JAN.									
17...	5.7	1.9	.1	.31	.01	44	23	13	5
FEB.									
13...	6.0	3.2	.1	.17	.01	35	23	12	4
MAR.									
31...	4.8	3.4	.1	.32	.01	32	21	14	0
APR.									
30...	7.3	2.8	.1	.21	.02	19	23	15	8
MAY									
28...	7.5	3.8	.2	.09	.01	23	26	15	7
JUNE									
10...	7.0	3.7	.0	.21	.01	30	25	16	8
JULY									
10...	5.7	3.9	.1	.11	.03	41	31	20	7
AUG.									
05...	7.0	1.8	.1	.13	.01	38	33	27	13
SEP.									
04...	7.5	3.0	.1	.12	.01	44	33	25	12

E Estimated value.

HUDSON RIVER BASIN

411

01362198 ESOPUS CREEK AT SHANDAKEN, N.Y.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	CYANIDE (CN) (MG/L)
OCT. 23...	55	7.0	8.5	12.3	100	250	84	83	--
NOV. 27...	54	6.9	2.5	14.4	103	64	<1	83	--
DEC. 30...	60	7.0	3.5	13.6	99	85	81	83	--
JAN. 17...	45	6.3	.0	14.5	106	829	13	8	--
FEB. 13...	51	7.6	.0	15.1	105	21	82	<1	--
MAR. 31...	45	7.6	5.0	13.0	103	87	85	83	--
APR. 30...	44	7.5	13.0	11.2	107	817	<1	82	.01
MAY 28...	51	7.6	16.5	10.3	106	42	83	15	.00
JUNE 10...	49	7.2	11.5	11.2	104	53	810	17	--
JULY 10...	62	7.2	18.0	8.9	106	520	77	130	--
AUG. 05...	58	6.9	19.5	9.3	102	316	74	58	--
SEP. 04...	58	7.4	16.5	10.2	110	47	88	810	--

DATE	TOTAL ARSENIC (AS) (UG/L)	TOTAL BARIUM (BA) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL IRON (FF) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL SELE- NIUM (SF) (UG/L)	TOTAL SILVER (AG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
APR. 30...	0	0	0	0	0	70	0	0	<.5	0	0	10
MAY 28...	1	0	0	0	10	70	1	10	<.5	0	0	10

RADIOCHEMICAL ANALYSES

DATE	TIME	DIS- SOLVED GROSS ALPHA AS (UG/L)	DIS- SOLVED GROSS BETA AS (PC/L)	DIS- SOLVED GROSS BETA AS SR90 (PC/L)	TOTAL FIL- TRABLE RESIDUE (MG/L)	SUS- PENDE) GROSS ALPHA AS (UG/L)	SUS- PENDE) GROSS BETA AS (PC/L)	SUS- PENDE) GROSS BETA AS SR90 (PC/L)	TOTAL NON- FIL- TRABLE RESIDUE (MG/L)	DIS- SOLVED RA-226 (RADON METHOD) (PC/L)	DIS- SOLVED URANIUM (U) (UG/L)
MAY 28...	1430	<.4	.7	.6	27	<.4	<.4	<.4	2	.01	<.01

Results based on colony count outside the acceptable range (non-ideal colony count).

CONTINUED NEXT PAGE

01362198 ESOPUS CREEK AT SHANDAKEN, N.Y.—Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

PESTICIDE ANALYSES

DATE	TOTAL ALDRIN (UG/L)	TOTAL CHLOR-DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DI-ELDRIN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL HEPTA-CHLOR (UG/L)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL TOX-APHENE (UG/L)
MAY 28...	.00	.0	.00	.00	.00	.00	.00	.00	.00	.00	0

DATE	TOTAL DI-AZINON (UG/L)	TOTAL ETHION (UG/L)	TOTAL MALA-THION (UG/L)	TOTAL METHYL PARA-THION (UG/L)	TOTAL METHYL TRI-THION (UG/L)	TOTAL PARA-THION (UG/L)	TOTAL TRI-THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	TOTAL PCB (UG/L)
MAY 28...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.0

DATE	ALDRIN IN BOTTOM MA-TERIAL (UG/KG)	CHLOR-DANE IN BOTTOM MA-TERIAL (UG/KG)	DDD IN BOTTOM MA-TERIAL (UG/KG)	DDE IN BOTTOM MA-TERIAL (UG/KG)	DDT IN BOTTOM MA-TERIAL (UG/KG)	DI-ELDRIN IN BOTTOM MA-TERIAL (UG/KG)	ENDRIN IN BOTTOM MA-TERIAL (UG/KG)	HEPTA-CHLOR IN BOTTOM MA-TERIAL (UG/KG)	HEPTA-CHLOR EPOXIDE IN BOTTOM MA-TERIAL (UG/KG)	LINDANE IN BOTTOM MA-TERIAL (UG/KG)	PCB IN BOTTOM MA-TERIAL (UG/KG)	TOTAL TOX-APHENE IN BOTTOM MA-TERIAL (UG/KG)
MAY 28...	.0	0	.2	.3	.7	.0	.0	.0	.0	.0	0	

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)
DEC. 30...	1330	E71	1	E.19	MAY 28...	1430	E9H	<1	F.11
JAN. 17...	1030	E204	5	E2.8	JUNE 10...	1030	E154	1	E.42
FEB. 13...	1430	E90	3	E.73	JULY 10...	1145	E56	3	F.45
MAR. 20...	1445	E1160	105	E329	AUG. 05...	1135	E64	3	F.52
APR. 31...	1430	E190	1	E.51	SEP. 04...	1330	E34	2	E.18
MAY 30...	1540	E159	<1	E.13					

E Estimated value.

01364501 ESOPUS CREEK AT SAUGERTIES, N.Y.

LOCATION.--Lat 42°04'16", long 73°57'02", Ulster County, at bridge on U.S. Highway 9W in Saugerties, 300 ft (91 m) upstream from dam, 1.3 mi (2.1 km) upstream from mouth, and 3.2 mi (5.1 km) downstream from gaging station (01364500) at Mount Marion.

DRAINAGE AREA.--425 mi² (1,101 km²).

PERIOD OF RECORD.--Chemical analyses: January 1973 to May 1975.

REMARKS.--New York State Water Quality Surveillance network station number 13 1600. Water discharge data are based on records for (01364500) Esopus Creek at Mount Marion.

COOPERATION.--Samples furnished by New York State Department of Environmental Conservation.

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)
OCT. 08...	1100	E110	160	50	16	3.3	7.5	1.0	44	36
NOV. 06...	1245	E278	470	100	27	4.2	15	1.9	58	48
DEC. 17...	1245	E708	440	100	13	2.5	7.2	1.2	29	24
MAR. 18...	1220	E262	360	80	19	5.0	11	.8	41	34
APR. 16...	1245	E327	320	90	11	1.9	7.8	.5	27	22
MAY 13...	1145	E2380	590	60	8.2	1.8	5.0	.7	24	20

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
OCT. 08...	19	12	.79	.00	.79	.37	--	.26	1.1	.03
NOV. 06...	26	25	.62	.00	.62	.21	.06	.27	.89	.05
DEC. 17...	16	11	.49	.00	.49	.09	.13	.22	.71	.03
MAR. 18...	20	20	.75	.01	.76	.09	.07	.16	.92	.03
APR. 16...	15	12	.46	.01	.47	.06	.04	.10	.57	.03
MAY 13...	11	7.6	.29	.01	.30	.00	.21	.21	.51	.04

DATE	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	FIXED NON-FILTERABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)	RESIDUE ON IGNITION (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS) (MG/L)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 08...	.01	6	3	114	75	153	8	3	7	4.1
NOV. 06...	.03	5	4	147	125	242	20	6	14	--
DEC. 17...	.02	2	0	79	63	135	9	4	9	4.2
MAR. 18...	.01	4	3	116	98	185	9	3	6	2.1
APR. 16...	.01	2	0	80	45	133	6	3	6	1.8
MAY 13...	.01	15	10	69	55	87	9	8	11	13

E Estimated value.

HUDSON RIVER BASIN

415

01364950 HUDSON RIVER AT KINGSTON POINT, N.Y.

LOCATION.--Lat 41°55'40", long 73°57'44", Ulster County, at pier at Kingston Point in Kingston and 0.6 mi (1.0 km) upstream from Rondout Creek.

DRAINAGE AREA.--10,515 mi² (27,234 km²).

PERIOD OF RECORD.--Chemical analyses: January 1973 to May 1975 (discontinued).
Water temperatures: July 1959 to March 1966.

REMARKS.--New York State Water Quality Surveillance Network station number 13 0300.

COOPERATION.--Samples furnished by New York State Department of Environmental Conservation.

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
OCT. 08...	1000	250	50	24	5.4	7.5	1.2	73	60	23
NOV. 06...	1100	460	40	26	5.6	9.0	1.6	82	67	24
DEC. 17...	1110	1800	70	22	4.0	5.0	1.6	56	46	16
FEB. 19...	1500	440	90	23	4.5	7.7	1.1	67	55	18
MAR. 18...	1130	470	50	22	4.6	7.1	1.4	75	62	22
APR. 16...	1150	1500	80	23	5.6	6.4	1.3	74	61	18
MAY 13...	1030	880	130	16	3.1	4.6	1.1	51	42	16

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
OCT. 08...	11	.55	.01	.56	.28	.10	.38	.94	.05	.02
NOV. 06...	13	.46	.00	.46	.23	.24	.47	.93	.06	.02
DEC. 17...	7.4	.50	.01	.51	.27	.22	.49	1.0	.09	.06
FEB. 19...	11	.65	.01	.66	.20	.05	.25	.91	.05	.02
MAR. 18...	13	.70	.01	.71	.25	.22	.47	1.2	.05	.02
APR. 16...	11	.64	.01	.65	.20	.15	.35	1.0	.08	.03
MAY 13...	7.6	.53	.01	.54	.11	.31	.42	.96	.07	.02

DATE	TOTAL NON-FILTERABLE RESIDUE (MG/L)	FIXED NON-FILTERABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)	RESIDUE ON IGNITION (MG/L)	SPECIFIC CONDUCTANCE (MICRO-MHOS) (MG/L)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 08...	14	6	154	100	205	7	6	14	5.9
NOV. 06...	11	11	153	133	230	20	7	16	--
DEC. 17...	42	36	143	119	167	30	40	16	3.5
FEB. 19...	12	8	127	91	200	20	7	11	3.4
MAR. 18...	7	5	142	121	210	20	8	15	3.5
APR. 16...	39	33	145	120	192	19	25	11	3.2
MAY 13...	18	17	120	92	146	18	9	17	4.6

01368000 WALKILL RIVER NEAR UNIONVILLE, N.Y. (OWEN, N.J.)

LOCATION.--Lat 41°15'36", long 74°32'56", Sussex County, New Jersey, at gaging station at bridge on the Bassetts Bridge Road, 0.6 mi (1.0 km) upstream from small tributary, 2.0 mi (3.2 km) south of the New York-New Jersey state line, and 3.0 mi (4.8 km) south of Unionville.

DRAINAGE AREA.--140 mi² (363 km²).

PERIOD OF RECORD.--Chemical analyses: Water years 1963-72 (partial record station), October 1972 to September 1975.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (SO4) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)
OCT. 31...	1230	108	--	--	--	--	--	--	--	--	--
NOV. 22...	1445	200	--	--	--	--	--	--	--	--	.49
MAR. 13...	1455	322	30	10	12	1.3	93	76	28	21	.88
APR. 09...	1100	408	26	8.2	9.8	1.3	85	70	22	17	.67
MAY 12...	1035	222	30	9.4	9.8	1.2	106	87	21	18	.49
JUNE 05...	1650	133	25	8.1	11	1.2	133	109	21	22	.63
JULY 09...	1605	40	40	15	13	1.8	163	134	24	25	.76
AUG. 07...	1500	200	34	12	12	2.0	135	111	19	21	.64
SEP. 10...	1505	92	35	11	13	2.1	--	--	23	21	.66

DATE	TOTAL NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)
OCT. 31...	--	--	--	--	--	--	--	--	--	--	--
NOV. 22...	.01	.25	.03	.28	.78	.05	.02	--	--	--	--
MAR. 13...	.01	.11	.28	.39	1.3	.03	.01	161	8	120	.40
APR. 09...	.01	.08	.20	.28	.96	.04	.02	144	6	99	.29
MAY 12...	.04	.09	.41	.50	1.0	.07	.03	157	24	110	.27
JUNE 05...	.07	.19	.53	.72	1.4	.09	.02	203	25	96	0
JULY 09...	.04	.01	.49	.50	1.3	.11	.05	245	19	160	.28
AUG. 07...	.04	.12	.42	.54	1.2	.06	.06	206	22	130	.24
SEP. 10...	.03	.05	.46	.51	1.2	.05	.03	201	11	130	--

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COHALT UNITS)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	BIO-CHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 31...	168	6.5	5.5	--	--	10.4	2.8	3300	745	265	--
NOV. 22...	282	7.4	4.9	--	--	11.2	1.4	750	370	145	7.6
MAR. 13...	289	8.0	5.1	10	6	12.2	2.2	--	--	--	5.0
APR. 09...	241	7.8	5.4	6	5	11.2	2.2	--	70	--	5.1
MAY 12...	276	7.7	16.3	14	9	7.8	2.3	--	270	--	4.6
JUNE 05...	330	7.3	18.3	22	7	5.9	--	--	600	--	15
JULY 09...	376	--	26.0	7	7	10.2	2.6	--	40	--	5.9
AUG. 07...	340	7.8	18.5	13	6	7.6	1.6	--	1640	--	6.9
SEP. 10...	354	6.6	18.0	8	6	6.1	2.3	--	3200	--	7.5

HUDSON RIVER BASIN

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01372003 WALLKILL RIVER NEAR ROSENDALE, N.Y.

LOCATION.--Lat 41°48'53", long 74°03'33", Ulster County, at bridge on State Highway 32 and 213, 0.2 mi (0.3 km) upstream from Interstate Highway 87, 1.0 mi (1.6 km) south of Tillson, and 1.7 mi (2.7 km) southeast of Rosendale.

DRAINAGE AREA.--764 mi² (1,979 km²).

PERIOD OF RECORD.--Chemical analyses: April 1969 to May 1970, May 1971 to May 1975 (discontinued).

REMARKS.--New York State Water Quality Surveillance Network station number 13 2070.

COOPERATION.--Samples furnished by New York State Department of Environmental Conservation.

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
OCT. 29...	1450	400	40	38	12	10	2.0	110	90	34
MAR. 12...	1515	280	40	19	4.7	6.2	1.0	57	47	23
APR. 15...	1400	560	60	26	8.3	8.4	1.1	86	71	26
MAY 07...	1000	720	70	24	7.7	8.9	1.3	80	66	23

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRATE PLUS NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
OCT. 29...	14	.65	.00	.65	.20	.28	.48	1.1	.16	.13
MAR. 12...	12	.72	.03	.75	.09	.18	.27	1.0	.07	.03
APR. 15...	16	.61	.01	.62	.10	.28	.38	1.0	.08	.05
MAY 07...	16	.44	.02	.46	.05	.49	.54	1.0	.10	.06

DATE	TOTAL NON-FILTERABLE RESIDUE (MG/L)	FIXED NON-FILTERABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)	RESIDUE ON IGNITION (MG/L)	SPECIFIC CONDUCTANCE (MICROMOS) (MG/L)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 29...	7	5	213	164	320	40	5	15	--
MAR. 12...	3	3	128	84	190	20	4	10	--
APR. 15...	13	7	170	130	257	14	7	12	3.2
MAY 07...	18	16	170	151	224	22	3	20	8.9

01372005 RONDOUT CREEK AT EDDYVILLE, N.Y.

LOCATION.--Lat 41°53'39", long 74°01'13", Ulster County, at upstream side of dam 200 ft (61 m) upstream from bridge on State Highway 211 in Eddyville and 1.2 mi (1.9 km) upstream from Twaalfskill Brook.

DRAINAGE AREA.-- 1,186 mi² (3,072 km²).

PERIOD OF RECORD.--Chemical analyses: April 1969 to May 1970, May 1971 to May 1975 (discontinued).

REMARKS.--New York State Water Quality Surveillance Network station number 13 1071.

COOPERATION.--Samples furnished by New York State Department of Environmental Conservation.

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
OCT. 29...	1430	400	40	32	10	10	2.4	97	80	31
JAN. 15...	1330	750	60	18	4.7	7.3	1.2	90	74	24
MAR. 12...	1500	270	30	26	7.5	8.3	1.3	82	67	29
APR. 15...	1415	580	70	16	4.2	5.6	.8	51	42	18
MAY 07...	1100	510	60	18	4.5	6.2	1.1	60	49	19

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
OCT. 29...	18	.57	.01	.58	.21	.32	.53	1.1	.16	.10
JAN. 15...	11	.91	.03	.94	.10	.24	.34	1.3	.12	.08
MAR. 12...	16	.89	.04	.93	.12	.30	.42	1.4	.08	.05
APR. 15...	9.5	.46	.01	.47	.08	.22	.30	.77	.05	.04
MAY 07...	11	.32	.01	.33	.02	.35	.37	.70	.06	.03

DATE	TOTAL NON-FILTERABLE RESIDUE (MG/L)	FIXED NON-FILTERABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)	RESIDUE ON IGNITION (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 29...	7	6	207	157	296	30	5	18	--
JAN. 15...	17	16	124	106	189	30	10	14	--
MAR. 12...	4	4	163	120	252	20	4	12	--
APR. 15...	13	9	113	90	163	4	6	11	3.4
MAY 07...	12	10	127	109	173	20	3	14	5.0

HUDSON RIVER BASIN

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01372043 HUDSON RIVER NEAR POUGHKEEPSIE, N.Y.
(National Stream-Quality Accounting Network Station)
(National Radiochemical Surveillance Program Station)

LOCATION.--Lat 41°43'18", long 73°56'28", Dutchess County, at city pumping station on east bank, adjacent (north) to Marist College 0.5 mi (0.8 km) north of Poughkeepsie and 1.3 mi (2.1 km) upstream from Mid-Hudson Bridge.

DRAINAGE AREA.--11,700 mi² (30,300 km²).

PERIOD OF RECORD.--Chemical analyses: April 1969 to July 1975 (discontinued).
Water temperatures: June 1959 to September 1966, October 1972 to September 1975 (discontinued).

EXTREMES.--1974-75:
Water temperatures: Maximum, 27.0°C Aug. 5; minimum, freezing point on Dec. 26-28.
Period of record:
Water temperatures: Maximum, 27.0°C Aug. 5, 1975; minimum, freezing point on Dec. 26-28, 1974.

REMARKS.--No water temperature record on Sundays or holidays. New York State Water Quality Surveillance Network station number 13 0103.

COOPERATION.--Water temperature record furnished by City of Poughkeepsie, Water Department.

CHEMICAL ANALYSES, OCTOBER 1974 TO JULY 1975

DATE	TIME	DIS-SOLVED SILICA (SiO ₂) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG)	DIS-SOLVED MAGNESIUM (MG)	TOTAL SODIUM (NA) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)
OCT. 22...	1330	--	530	80	24	--	5.0	--	7.5	--	1.6	--
NOV. 19...	1430	--	470	40	23	--	4.5	--	8.2	--	1.3	--
DEC. 18...	1130	--	1800	80	24	--	4.8	--	6.0	--	1.0	--
JAN. 28...	1740	--	1000	50	24	--	5.2	--	7.8	--	1.3	--
FEB. 12...	1415	--	940	50	24	--	4.6	--	8.2	--	1.1	--
MAR. 26...	1400	--	1500	60	23	--	4.1	--	6.9	--	1.2	--
APR. 30...	1100	--	720	40	23	--	4.0	--	4.9	--	.9	--
MAY 13...	1200	--	690	50	--	16	--	3.1	--	4.3	--	.8
JUNE 13...	1230	4.0	680	50	15	--	2.9	--	4.2	--	.6	--
JULY 09...	1200	.2	600	50	--	19	--	2.6	--	5.5	--	.9
JULY 09...	1200	.1	620	60	--	21	--	4.0	--	6.9	--	1.1

DATE	BICARBONATE (HCO ₃) (MG/L)	CARBONATE (CO ₃) (MG/L)	ALKALINITY AS CaCO ₃ (MG/L)	DIS-SOLVED SULFATE (SO ₄) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)
OCT. 22...	73	0	60	22	11	--	.52	.00	.52	.17	.22
NOV. 19...	73	0	60	23	13	--	.57	.01	.58	.14	.38
DEC. 18...	73	0	60	18	9.3	--	.55	.00	.55	.30	.27
JAN. 28...	73	0	60	19	11	--	.69	.01	.70	.18	.29
FEB. 12...	68	0	56	19	13	--	.69	.01	.70	.21	.16
MAR. 26...	64	0	53	19	13	--	.57	.02	.59	.18	.33
APR. 30...	79	0	65	17	8.2	--	.54	.02	.56	.15	.19
MAY 13...	46	0	38	14	6.7	.2	--	--	.85	--	--
JUNE 13...	46	0	38	14	6.9	--	.81	.03	.84	.09	.25
JULY 09...	57	0	47	15	9.7	.1	--	--	.86	--	--
JULY 09...	69	0	57	18	8.9	.1	--	--	.61	--	--

CONTINUED NEXT PAGE

CHEMICAL ANALYSES, OCTOBER 1974 TO JULY 1975

DATE	TOTAL KJEL-DAML NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	FIXED NON-FILT-RABLE RESIDUE (MG/L)	RESIDUE ON IGNITION (MG/L)	HARD-NESS (CA+MG) (MG/L)	NON-CARBONATE HARD-NESS (MG/L)
OCT. 22...	.39	.91	.05	.02	--	--	12	9	120	--	--
NOV. 19...	.52	1.1	.04	.02	--	--	14	9	121	--	--
DEC. 18...	.57	1.1	.10	.05	--	--	44	40	133	--	--
JAN. 28...	.47	1.2	.09	.04	--	--	25	23	137	--	--
FEB. 12...	.37	1.1	.08	.03	--	--	22	19	127	--	--
MAR. 26...	.51	1.1	.10	.03	--	--	43	40	84	--	--
APR. 30...	.34	.90	.07	.02	--	--	23	20	103	--	--
MAY 13...	.40	1.3	.05	--	90	72	15	--	--	53	15
MAY 13...	.34	1.2	.05	.02	--	--	19	17	73	--	--
JUNE 09...	.32	1.2	.06	--	102	81	16	--	--	48	11
JULY 09...	.36	.97	.08	--	108	94	16	--	--	69	12

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	FECAL COLIFORM (COL PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 22...	230	7.3	13.5	20	7	9.7	90	17	380	56	4.8
NOV. 19...	255	7.3	7.5	20	7	11.0	90	12	310	84	6.6
DEC. 18...	212	7.4	3.0	20	40	--	--	13	130	72	1.9
JAN. 28...	217	7.6	1.0	30	20	13.6	98	15	230	57	1.4
FEB. 12...	219	7.5	.0	20	20	13.0	92	12	1100	200	4.7
MAR. 26...	193	7.6	5.5	32	35	12.4	96	13	680	100	3.6
APR. 30...	170	7.5	9.5	12	10	10.3	92	9	140	835	13
MAY 13...	149	7.4	14.0	--	7	9.8	93	--	220	821	6.8
MAY 13...	--	--	13.5	7	8	--	--	11	--	--	6.8
JUNE 09...	160	7.4	21.0	--	5	7.2	81	--	90	118	3.7
JULY 09...	--	7.0	--	--	6	--	--	--	740	24	4.6

DATE	TIME	TOTAL ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL COBALT (CO) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)
MAY 13...	1200	0	0	0	0	<10	10	0	0	10	0	600
MAY 13...	1230	1	--	--	--	--	--	--	--	20	--	600
JUNE 09...	1200	1	1	1	1	20	20	0	0	10	10	600
JULY 09...	1200	1	0	0	1	20	<10	0	0	10	10	600

DATE	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
MAY 13...	80	8	1	50	10	<.5	<.5	0	0	30	10
MAY 13...	--	7	--	50	--	<.5	--	--	--	--	--
JUNE 09...	40	5	2	50	10	<.5	<.5	0	0	10	0
JULY 09...	10	6	2	60	0	.5	<.5	0	0	20	0

B Results based on colony count outside the acceptable range (non-ideal colony count).

01372043 HUDSON RIVER NEAR POUGHKEEPSIE, N.Y.--Continued

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA

PHYTOPLANKTON, NOVEMBER 1974 TO JULY 1975

DATE	TOTAL COUNT Cells/ml	ORGANISMS IDENTIFIED	PERCENT COMPO- SITION	DATE	TOTAL COUNT Cells/ml	ORGANISMS IDENTIFIED	PERCENT COMPO- SITION
Oct. 22 1974	9,200	<u>Oscillatoria</u>	32	Nov. 19 1974	2,300	<u>Cyclotella</u>	31
		<u>Gomphosphaeria</u>	24			<u>Melosira</u>	28
		<u>Melosira</u>	24			<u>Dictyosphaerium</u>	15
		<u>Cyclotella</u>	12			<u>Coccinodiscus</u>	4
		<u>Crucigenia</u>	3			<u>Scenedesmus</u>	4
		<u>Oocystis</u>	2			<u>Crucigenia</u>	4
		<u>Navicula</u>	1			<u>Selenastrum</u>	4
		<u>Scenedesmus</u>	1			<u>Nitzschia</u>	2
		<u>Nitzschia</u>	<1			<u>Stephanodiscus</u>	2
		<u>Synedra</u>	<1			<u>Surirelia</u>	1
		<u>Stephanodiscus</u>	<1			<u>Gomphonema</u>	1
						<u>Navicula</u>	1
						<u>Cocconeis</u>	1
						<u>Achnanthes</u>	1
						<u>Asterionella</u>	1
						<u>Trachelomonas</u>	1
Dec. 18 1974	1,400	<u>Melosira</u>	34	Jan. 28 1975	520	<u>Cyclotella</u>	27
		<u>Navicula</u>	12			<u>Navicula</u>	19
		<u>Nitzschia</u>	10			<u>Melosira</u>	13
		<u>Achnanthes</u>	10			<u>Coccinodiscus</u>	13
		<u>Cyclotella</u>	9			<u>Gomphonema</u>	6
		<u>Cymbella</u>	6			<u>Cocconeis</u>	6
		<u>Gomphonema</u>	5			<u>Cymbella</u>	4
		<u>Synedra</u>	5			<u>Diatoma</u>	4
		<u>Tetrastrum</u>	5			<u>Nitzschia</u>	2
		<u>Anabaena</u>	2			<u>Achnanthes</u>	2
		<u>Gyrosigma</u>	1			<u>Stephanodiscus</u>	2
		<u>Chlamydomonas</u>	1			<u>Scenedesmus</u>	2
Feb. 12 1975	500	<u>Navicula</u>	22	Mar. 26 1975	1,000	<u>Nitzschia</u>	19
		<u>Lyngbya</u>	20			<u>Navicula</u>	15
		<u>Cyclotella</u>	16			<u>Scenedesmus</u>	11
		<u>Nitzschia</u>	8			<u>Achnanthes</u>	8
		<u>Gomphonema</u>	8			<u>Tabellaria</u>	8
		<u>Melosira</u>	8			<u>Cyclotella</u>	8
		<u>Cymbella</u>	6			<u>Gomphonema</u>	5
		<u>Surirelia</u>	2			<u>Melosira</u>	5
		<u>Cocconeis</u>	2			<u>Actinastrum</u>	5
		<u>Achnanthes</u>	2			<u>Cymbella</u>	3
		<u>Asterionella</u>	2			<u>Hannaea Arcus</u>	3
		<u>Stephanodiscus</u>	2			<u>Diatoma</u>	3
		<u>Ankistrodesmus</u>	2			<u>Pediastrum</u>	3
						<u>Rhoicosphenia</u>	1
						<u>Eunotia</u>	1
						<u>Ankistrodesmus</u>	1
Apr. 30 1975	1,300	<u>Navicula</u>	31	May 13 1975	2,400	<u>Cyclotella</u>	33
		<u>Cyclotella</u>	21			<u>Melosira</u>	20
		<u>Nitzschia</u>	10			<u>Asterionella</u>	17
		<u>Fragilaria</u>	8			<u>Navicula</u>	9
		<u>Cymbella</u>	5			<u>Scenedesmus</u>	9
		<u>Gomphonema</u>	5			<u>Cymbella</u>	4
		<u>Achnanthes</u>	5			<u>Nitzschia</u>	2
		<u>Scenedesmus</u>	5			<u>Rhoicosphenia</u>	2
		<u>Cymatopleura</u>	3			<u>Achnanthes</u>	2
		<u>Rhoicosphenia</u>	3			<u>Hannaea Arcus</u>	2
		<u>Asterionella</u>	3				
		<u>Melosira</u>	3				
June 9 1975	1,500	<u>Melosira</u>	55	July 9 1975	16,000	<u>Dictyosphaerium</u>	37
		<u>Cyclotella</u>	25			<u>Anacystis</u>	25
		<u>Fragilaria</u>	7			<u>Oscillatoria</u>	20
		<u>Navicula</u>	5			<u>Agmenellum</u>	8
		<u>Cymbella</u>	2			<u>Melosira</u>	4
		<u>Achnanthes</u>	2			<u>Coelastrum</u>	2
		<u>Synedra</u>	2			<u>Anabaena</u>	1
		<u>Ankistrodesmus</u>	2			<u>Actinastrum</u>	1
						<u>Navicula</u>	1
						<u>Cyclotella</u>	<1
						<u>Tetrastrum</u>	<1
						<u>Elakatothrix</u>	<1
						<u>Gomphonema</u>	<1
						<u>Stephanodiscus</u>	<1
						<u>Chodatella</u>	<1
						<u>Schroederia</u>	<1

< - Less than 1 Percent; may not have been actually counted.

CONTINUED NEXT PAGE

HUDSON RIVER BASIN

01372043 HUDSON RIVER NEAR POUGHKEEPSIE, N.Y.—Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO JULY 1975

DATE	TIME	DIS-SOLVED GROSS ALPHA AS U-NAT. (UG/L)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L)	TOTAL FILT-RABLE RESIDUE (MG/L)	SUS-PENDED GROSS ALPHA AS U-NAT. (UG/L)	SUS-PENDED GROSS BETA AS CS-137 (PC/L)	SUS-PENDED GROSS BETA AS SR90 /Y90 (PC/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	DIS-SOLVED PA-226 (RADON METHOD) (PC/L)	DIS-SOLVED URANIUM (U) (UG/L)
OCT. 22...	1331	<1.8	3.6	2.9	130	.9	.7	.6	11	.03	.18
NOV. 19...	1431	<.8	2.7	2.2	130	.9	.8	.7	16	.12	.13
DEC. 18...	1131	<.8	2.0	1.6	96	2.2	<.4	<.4	43	.04	.18
JAN. 28...	1741	<1.8	3.3	2.6	130	1.9	2.3	1.9	36	.03	.18
FEB. 12...	1416	<1.4	3.1	2.5	130	.6	.6	.5	11	.03	.11
MAR. 26...	1401	<1.0	3.2	2.6	120	3.0	3.0	2.4	44	.05	.15
APR. 30...	1101	1.4	2.2	1.7	100	3.1	2.1	1.8	22	.01	.15
MAY 13...	1200	1.1	2.6	2.1	90	.6	1.3	1.1	15	.03	.18
JUNE 09...	1200	<.8	2.5	2.0	97	.6	.7	.6	16	.03	.11
JULY 09...	1200	<1.2	3.0	2.4	110	1.6	1.0	.8	16	.02	.11

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA

PERIPHYTON, APRIL 1975 TO AUGUST 1975

SAMPLING METHOD: Polyethylene strip.

PERIOD OF EXPOSURE	BIOMASS DRY WEIGHT (g/m ²)	BIOMASS ASH WEIGHT (g/m ²)	CHLOROPHYLL a (mg/m ²)	CHLOROPHYLL b (mg/m ²)	BIOMASS PIGMENT RATIO
Apr. 30-June 9	8.9	5.8	24	4.5	130
July 9-Aug. 5	7.4	3.1	42	14	100

HUDSON RIVER BASIN

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01372043 HUDSON RIVER NEAR POUGHKEEPSIE, N.Y.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
(ONCE-DAILY MEASUREMENT BETWEEN 0800 AND 0830)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.0											
2	17.0	10.5	---	0.5	1.0	2.0	5.5	10.0	---	23.0	26.0	23.5
3	17.0	10.5	4.5	0.5	---	---	5.5	10.0	20.5	23.0	26.0	23.5
4	16.0	---	4.0	0.5	1.0	2.0	5.5	10.0	20.5	23.0	---	23.0
5	15.5	11.5	4.0	1.0	1.0	2.0	5.5	---	21.0	23.5	26.5	23.0
6	---	10.5	3.5	---	1.0	2.0	5.5	10.0	21.0	23.5	27.0	23.0
7	---	11.0	3.0	1.0	1.0	2.0	---	10.0	21.0	---	26.5	23.0
8	16.0	10.5	3.0	1.0	1.0	2.0	---	10.0	21.0	---	26.0	---
9	15.5	10.5	---	1.5	1.0	3.0	5.5	11.0	---	24.5	26.0	23.0
10	15.5	10.5	3.0	1.5	1.0	---	5.5	11.0	20.5	24.5	26.0	23.0
11	15.0	---	2.0	1.5	1.0	2.0	5.5	11.5	20.5	24.5	---	22.0
12	15.0	10.0	1.5	1.5	1.0	2.0	5.5	---	20.5	25.0	26.0	22.0
13	14.5	10.0	1.5	---	1.0	2.0	5.5	---	20.5	25.0	25.0	22.0
14	---	10.0	1.5	1.5	1.0	3.0	---	13.0	20.5	---	24.5	22.0
15	14.5	9.5	1.5	2.0	1.0	3.0	6.0	13.0	20.5	25.0	24.5	---
16	14.5	9.0	---	2.0	1.0	3.0	6.0	14.0	---	25.0	24.5	21.0
17	14.5	8.5	1.5	1.5	---	---	6.0	14.5	20.0	25.5	24.5	21.0
18	14.0	---	1.5	1.5	1.0	3.5	5.5	15.0	20.0	25.5	---	20.0
19	14.0	8.5	1.5	1.5	1.0	3.5	5.5	---	20.5	25.5	24.0	20.0
20	13.5	8.0	1.5	---	1.0	3.5	5.5	15.5	21.0	25.5	24.0	20.0
21	---	8.0	1.0	1.5	1.0	3.5	---	16.0	21.0	---	24.0	20.0
22	13.0	7.0	1.0	1.0	1.0	4.0	8.0	16.5	21.5	25.5	24.5	---
23	12.0	6.5	---	1.0	1.0	---	8.5	17.0	---	25.5	24.5	19.5
24	13.0	6.5	0.5	1.0	---	---	8.5	18.0	21.5	25.5	24.5	19.5
25	11.5	---	0.5	1.0	1.0	5.5	9.0	18.5	22.0	25.5	---	19.5
26	11.5	6.0	0.5	1.0	1.0	5.5	9.5	---	23.0	25.5	24.0	19.0
27	10.5	6.0	0.0	---	1.5	5.5	9.5	19.0	23.0	25.5	24.5	19.0
28	---	5.0	0.0	1.0	2.0	5.0	---	19.0	23.0	---	24.5	18.5
29	11.0	---	0.0	1.0	2.0	5.5	10.0	19.5	23.0	25.5	24.5	---
30	10.5	4.0	---	1.0	---	---	10.0	20.0	---	25.5	24.0	17.0
31	11.5	4.0	0.5	1.0	---	---	10.0	20.0	23.0	25.5	24.0	16.5
AVERAGE	14.0	8.5	1.5	1.5	1.0	---	7.0	14.5	21.5	25.0	25.0	21.0

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	SUS- PEN- DED- SED- MENT (MG/L)	SUS. SED. SIFVE DIAM. & FINER THAN .062 MM
JUNE			
09...	1200	18	87
JULY			
09...	1200	8	91

HUDSON RIVER BASIN

01372500 WAPPINGER CREEK NEAR WAPPINGERS FALLS, N.Y.

LOCATION.--Lat 41°39'11", long 73°52'23", Dutchess County, at gaging station 700 ft (213 m) downstream from Red Oak Mill dam and 4.5 mi (7.2 km) northeast of Wappingers Falls.

DRAINAGE AREA.--181 mi² (469 km²).

PERIOD OF RECORD.--Chemical analyses: October 1963 to September 1964, August 1965 to May 1975 (discontinued).
Water temperatures: October 1963 to September 1964.

REMARKS.--New York State Water Quality Surveillance network station number 13 1050.

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	RICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
OCT. 17...	1515	265	400	110	31	8.8	6.5	2.1	117	0	96	20
NOV. 19...	1030	199	180	30	28	8.1	6.8	1.0	111	0	91	30
DEC. 17...	1615	663	850	120	23	6.5	6.0	.8	84	0	69	19
JAN. 09...	1315	312	930	60	39	9.4	10	.3	104	0	85	35
FEB. 11...	1700	274	250	30	35	9.7	7.9	.8	114	0	94	23
MAR. 21...	0900	1410	1200	80	18	5.0	5.7	1.0	59	0	48	18
APR. 09...	1630	475	170	20	25	7.6	6.0	.6	85	0	70	19
MAY 07...	1230	277	220	40	30	9.0	7.3	.9	104	0	85	19

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	FIXED NON-FILTERABLE RESIDUE (MG/L)
OCT. 17...	12	.33	.00	.33	.15	.17	.32	.65	.04	.01	11	1
NOV. 19...	11	.47	.00	.47	.03	.14	.17	.64	.01	.01	3	19
DEC. 17...	10	.63	.00	.63	.09	.29	.38	1.0	.04	.01	23	19
JAN. 09...	21	.84	.01	.85	.03	.29	.32	1.2	.04	.01	24	6
FEB. 11...	14	1.2	.01	1.2	.00	.19	.19	1.4	.02	.01	10	29
MAR. 21...	11	.57	.01	.58	.04	.31	.35	.93	.07	.02	34	2
APR. 09...	11	.75	.01	.76	.01	.31	.32	1.1	.02	.01	4	9
MAY 07...	15	.41	.01	.42	.02	.23	.25	.67	.02	.01	12	9

DATE	TOTAL RESIDUE (MG/L)	RESIDUE ON IGNITION (MG/L)	SPECIFIC CONDUCTANCE (MICROHMS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 17...	184	142	310	7.6	12.0	20	5	11.8	104	12	8.9
NOV. 19...	159	129	295	7.7	4.0	10	2	13.3	101	7	4.9
DEC. 17...	138	112	235	7.7	3.5	5	10	--	--	12	3.8
JAN. 09...	182	155	320	7.5	3.0	3	20	14.5	108	9	2.8
FEB. 11...	185	137	287	8.0	.0	8	4	14.8	105	6	5.0
MAR. 21...	145	125	179	7.4	4.0	10	20	12.8	99	15	4.0
APR. 09...	145	--	232	7.9	7.5	4	3	12.3	102	5	1.6
MAY 07...	147	132	262	8.0	14.0	7	2	11.5	106	11	3.3

HUDSON RIVER BASIN

425

01372550 HUDSON RIVER NEAR CHELSEA, N.Y.

LOCATION.--Lat 41°34'20", long 73°57'45", Dutchess County, approximately 0.2 mi (0.3 km) southeast of Danskammer Point on line between Danskammer Point and Chelsea Pumping Station, 1.3 mi (2.1 km) north of Chelsea and approximately 0.8 mi (1.3 km) downstream from Wappinger Creek.

DRAINAGE AREA.--11,995 mi² (31,067 km²).

PERIOD OF RECORD.--Chemical analyses: April 1969 to May 1975 (discontinued).

REMARKS.--New York State Water Quality Surveillance Network station number 13 0660.

COOPERATION.--Samples furnished by New York State Department of Environmental Conservation.

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	TOTAL IRON (FE) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	TOTAL CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
OCT. 02...	0700										
16...	0725	320	50	24	5.3	9.5	1.2	73	60	24	15
29...	1100	1100	260	25	5.0	8.3	1.8	78	64	23	13
NOV. 12...	0700	420	30	24	5.3	7.5	1.5	74	61	21	11
DEC. 03...	0700	990	70	34	5.0	8.5	1.6	79	65	21	11
17...	0700	930	60	22	4.8	6.8	1.5	74	61	21	9.8
JAN. 14...	0900	1600	110	22	4.7	6.0	.9	64	53	19	9.2
28...	0700	440	30	28	7.0	8.7	1.1	86	71	32	9.6
FEB. 11...	0700	1500	80	22	5.3	7.5	1.4	67	55	20	12
MAR. 11...	0700	770	50	25	4.9	7.5	1.0	69	57	20	12
25...	0800	2000	90	20	4.0	5.8	1.5	60	49	17	10
APR. 08...	0700	990	50	19	4.0	6.8	1.1	58	48	18	13
22...	0800	1500	50	21	4.4	5.3	1.0	58	48	15	9.7
MAY 06...	0800	2200	60	20	4.1	6.0	1.1	65	53	17	11
20...	0800	1100	60	15	3.3	4.0	.9	51	42	14	6.7
	0900	1600	90	15	3.5	4.3	.8	49	40	14	8.4

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	FIXED NON- FILT- RABLE RESIDUE (MG/L)
OCT. 02...											
16...	.70	.00								15	11
29...	.61	.00	.70	.14	.14	.28	.98	.07	--	31	26
NOV. 12...	.55	.00	.61	.15	.29	.44	1.1	.14	.03	12	9
DEC. 03...	.52	.00	.55	.16	.17	.33	.88	.08	.04		
17...	.50	.00	.52	.12	.30	.42	.94	.11	.02	367	337
JAN. 14...	.55	.00	.50	.15	.35	.50	1.0	.14	.04	32	28
28...	.74	.01	.55	.26	.29	.55	1.1	.09	.05	46	38
FEB. 11...	.67	.01	.75	.18	.52	.70	1.5	.06	.03	7	4
MAR. 11...	.72	.01	.68	.19	.40	.59	1.3	.20	.04	42	40
25...	.60	.01	.73	.17	.23	.40	1.1	.19	.03	32	28
APR. 08...	.63	.03	.63	.22	.33	.55	1.2	.15	.12	65	58
22...	.57	.01	.64	.14	.24	.38	1.0	.15	.02	31	25
MAY 06...	.76	.01	.58	.12	.34	.46	1.0	.14	.04	50	48
20...	.67	.02	.78	.14	.33	.47	1.3	.14	.06	58	54
	.64	.02	.69	.02	.24	.26	.95	.06	.03	102	98
		.01	.65	.01	.27	.28	.93	.09	.02	148	137

CONTINUED NEXT PAGE

HUDSON RIVER BASIN

01372550 HUDSON RIVER NEAR CHELSEA, N.Y.--Continued

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TOTAL RESI- DUE (MG/L)	RESIDUE ON IGNI- TION (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	CHEM- ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MERCURY (MG) (UG/L)
OCT.											
02...	157	124	195	8	7	12	4.9	--	--	--	--
16...	169	142	220	9	20	14	9.0	--	--	--	--
29...	146	118	219	20	8	12	6.9	--	--	--	0.5
NOV.											
12...	430	379	220	20	80	12	5.5	0	50	9	--
DEC.											
03...	156	116	184	30	20	13	4.8	--	--	--	--
17...	157	126	190	20	30	15	4.9	--	--	--	--
JAN.											
14...	163	133	263	4	9	10	3.9	--	--	--	--
28...	157	132	200	7	3	15	4.5	--	--	--	--
FEB.											
11...	156	117	206	20	20	12	15	--	--	--	0.5
MAR.											
11...	160	130	172	40	50	14	2.4	2	40	6	--
25...	150	130	185	27	20	12	7.8	--	--	--	--
APR.											
08...	144	115	166	21	30	11	2.7	--	--	--	--
22...	170	137	186	17	35	11	4.5	--	--	--	--
MAY											
06...	192	177	142	11	33	9	3.5	--	--	--	--
20...	280	240	142	7	40	22	3.5	--	--	--	--

HUDSON RIVER BASIN

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01372575 HUDSON RIVER AT BEACON, N.Y.

LOCATION.--Lat 41°30'18", long 73°59'21" Dutchess County, at point of land in Beacon, 1.0 mi (1.6 km) downstream from Beacon-Newburgh Bridge and 0.8 mi (1.3 km) upstream from north end of Denning Point.

DRAINAGE AREA.--12,011 mi² (31,108 km²).

PERIOD OF RECORD.--Chemical analyses: April 1969 to May 1975 (discontinued).

REMARKS.--New York State Water Quality Surveillance Network station number 13 0258.

COOPERATION.--Samples furnished by New York State Department of Environmental Conservation.

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
OCT. 16...	0900	600	60	27	5.8	10	2.3	78	64	29
NOV. 07...	0905	940	60	25	1.1	11	1.6	77	63	21
DEC. 11...	0940	900	50	23	5.0	9.8	1.0	69	57	20
FEB. 19...	0910	480	30	23	5.2	8.7	1.1	68	56	17
MAR. 20...	0920	850	40	20	4.1	7.2	1.4	68	56	16
APR. 24...	0855	2500	80	36	7.1	8.2	1.2	63	52	16
MAY 14...	0855	1100	60	19	3.6	4.4	.6	52	43	14

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
OCT. 16...	15	.60	.00	.60	.24	.20	.44	1.0	.10	.04
NOV. 07...	16	.55	.01	.56	.10	.29	.39	.95	.08	.03
DEC. 11...	16	.49	.00	.49	.23	.22	.45	.94	.08	.04
FEB. 19...	14	.69	.01	.70	.22	.15	.37	1.1	.06	.04
MAR. 20...	13	.67	.02	.69	.24	.28	.52	1.2	.12	.06
APR. 24...	14	--	--	--	--	--	--	--	--	.05
MAY 14...	7.6	.63	.02	.65	.05	.29	.34	.99	.08	.02

DATE	TOTAL NON-FILTERABLE RESIDUE (MG/L)	FIXED NON-FILTERABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)	RESIDUE ON IGNITION (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 16...	23	15	188	146	267	20	10	14	13
NOV. 07...	22	16	158	130	241	10	10	16	5.5
DEC. 11...	19	16	145	117	226	30	20	13	3.7
FEB. 19...	14	9	128	99	205	20	9	13	9.9
MAR. 20...	26	22	147	--	200	16	20	13	4.9
APR. 24...	66	59	185	156	197	20	40	13	23
MAY 14...	57	50	116	87	145	6	15	13	4.9

HUDSON RIVER BASIN

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01372800 FISHKILL CREEK AT HOPEWELL JUNCTION, N.Y.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	12.0	10.5	19.5	19.0	21.0	17.0	23.0	20.5	17.0	16.0
3	---	---	10.5	10.0	20.5	18.0	21.0	18.0	23.5	21.0	16.5	16.0
4	---	---	13.0	9.5	19.0	18.0	21.0	19.0	24.5	21.5	16.5	15.5
5	---	---	12.0	11.0	18.5	16.5	21.5	18.5	23.5	22.0	16.5	14.5
6	---	---	11.5	10.0	17.0	15.5	21.5	18.5	23.5	21.0	16.5	14.5
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	12.0	11.0	15.5	14.5	21.0	19.0	22.0	20.0	16.5	15.5
9	---	---	13.5	11.5	16.5	15.0	22.0	19.5	20.0	18.0	17.0	15.5
10	---	---	14.5	12.0	16.0	15.0	22.0	20.0	18.0	18.0	18.0	15.5
11	---	---	16.5	14.0	17.0	15.0	21.5	20.5	19.5	16.5	18.0	15.5
12	---	---	16.5	14.5	18.0	14.5	21.5	20.0	20.5	18.5	15.5	14.0
13	---	---	16.0	14.0	18.5	15.0	23.0	20.0	21.5	19.5	15.0	13.5
14	---	---	16.0	14.5	18.0	16.0	22.0	21.0	21.5	19.5	15.5	14.0
15	---	---	16.0	15.0	17.0	16.0	21.0	20.0	22.0	20.5	15.0	14.0
16	---	---	16.5	15.0	19.5	17.0	21.0	20.5	23.0	20.5	14.0	12.0
17	---	---	17.0	16.0	19.5	19.0	20.5	18.5	21.5	20.0	13.0	11.0
18	---	---	18.0	16.5	19.0	18.0	21.0	19.0	21.5	19.5	13.0	11.5
19	---	---	17.0	15.5	19.5	18.0	23.0	21.0	19.5	19.0	14.0	12.0
20	---	---	17.0	16.5	21.5	19.5	23.5	21.0	20.0	18.5	14.5	13.5
21	---	---	18.0	16.0	22.0	20.0	23.0	21.0	20.0	18.0	15.0	14.5
22	---	---	19.5	18.0	22.0	20.0	23.5	21.5	19.5	17.0	16.0	15.0
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	20.5	19.5	21.0	18.5	22.0	21.5	19.0	17.0	16.5	15.0
25	11.0	10.5	21.0	19.5	21.5	18.0	22.0	20.0	20.5	18.5	16.5	15.0
26	12.0	10.5	22.0	20.0	24.0	21.0	23.0	21.0	19.5	17.0	15.5	15.0
27	13.0	11.5	21.0	18.0	23.5	21.5	22.0	21.0	18.5	17.0	15.0	14.0
28	11.5	10.0	18.0	16.5	23.0	20.5	21.0	19.5	19.5	18.5	14.5	14.0
29	10.5	8.5	19.0	16.5	21.5	19.5	19.5	18.5	20.5	19.0	15.5	14.5
30	10.5	10.0	20.0	17.0	20.5	19.0	20.5	19.0	19.5	18.0	15.5	15.0
31	13.0	9.5	20.0	16.5	20.0	19.0	20.5	19.0	19.5	17.0	15.0	13.5
MONTH	---	---	18.5	16.5	21.0	19.0	20.5	19.0	19.0	18.0	14.0	13.5
	---	---	19.0	16.5	---	---	21.0	19.0	18.0	16.5	---	---
	---	---	22.0	9.5	24.0	14.5	23.5	17.0	24.5	16.5	18.0	11.0

01373500 FISHKILL CREEK AT BEACON, N.Y.

LOCATION.--Lat 41°30'40", long 73°56'55", Dutchess County, at former gaging station, at Bridge Street Bridge in Beacon, and 2.5 mi (4.0 km) upstream from mouth.

DRAINAGE AREA.--190 mi² (492 km²).

PERIOD OF RECORD.--Chemical analyses: October 1961 to September 1962, April 1969 to May 1975 (discontinued).
Water temperatures: October 1961 to September 1975 (discontinued).

EXTREMES.--1974-75:

Water temperatures: Maximum, 26.0°C June 24; minimum, freezing point on Jan. 21.

Period of record:

Water temperatures: Maximum, 28.0°C July 9, 1974; minimum, freezing point on many days during winter periods some years.

REMARKS.--Water temperature measurements are made at lat 41°31'01", long 73°56'17", at the Texaco Research Center, 0.8 mi (1.3 km) upstream from former gaging station. No water temperature measurements made on weekends or holidays or Nov. 7-8, 22, 29, July 3, 7. New York State Water Quality Surveillance Network station number 13 1040.

COOPERATION.--Samples furnished by New York State Department of Environmental Conservation. Water temperature records furnished by Texaco Incorporated.

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
OCT. 16...	0940	200	80	37	12	13	1.5	128	105	26
NOV. 07...	0940	280	70	38	12	10	1.4	123	101	23
DEC. 11...	1010	600	80	19	7.4	6.2	1.0	70	57	20
JAN. 22...	0845	380	60	--	--	5.5	.7	90	74	24
FEB. 19...	0940	460	90	28	11	14	1.0	105	86	22
MAR. 20...	0950	1600	110	27	6.8	8.9	.9	70	57	17
APR. 24...	0925	250	60	48	13	10	.9	108	89	23
MAY 14...	0930	400	70	24	8.9	7.3	.8	89	73	17

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHOPHOSPHORUS (P) (MG/L)
OCT. 16...	24	.83	.02	.85	.22	.09	.31	1.2	.11	.10
NOV. 07...	21	.57	.01	.58	.12	.16	.28	.86	.06	.04
DEC. 11...	11	.58	.00	.58	.12	.20	.32	.90	.04	.02
JAN. 22...	14	.84	.03	.87	.06	.25	.31	1.2	.03	.02
FEB. 19...	24	.98	.02	1.0	.09	.17	.26	1.3	.04	.03
MAR. 20...	17	.64	.00	.64	.07	.23	.30	.94	.08	.03
APR. 24...	18	--	--	--	--	--	--	--	--	.03
MAY 14...	13	.47	.01	.48	.06	.34	.40	.88	.05	.02

DATE	TOTAL NON-FILTERABLE RESIDUE (MG/L)	FIXED NON-FILTERABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)	RESIDUE ON IGNITION (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 16...	8	2	220	170	360	3	4	9	3.4
NOV. 07...	8	4	182	153	315	20	3	11	4.2
DEC. 11...	4	4	131	96	207	30	6	10	3.3
JAN. 22...	0	0	155	130	260	9	4	6	2.1
FEB. 19...	8	4	174	134	304	20	4	7	2.0
MAR. 20...	43	37	169	153	224	20	30	16	3.4
APR. 24...	3	1	174	134	294	4	1	7	2.5
MAY 14...	12	5	147	99	229	8	5	14	5.7

HUDSON RIVER BASIN

01373500 FISHKILL CREEK AT BEACON, N.Y.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
(TWICE-DAILY READINGS AT 0800 AND 1700)

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1	13.0	13.5	12.0	14.5	---	---	---	---	---	---	---	---
2	11.5	12.0	---	---	3.0	3.0	3.0	3.5	---	---	---	---
3	10.0	10.5	---	---	3.0	3.5	1.5	1.5	1.5	2.0	3.0	3.5
4	9.0	9.0	11.5	13.0	3.0	3.5	---	---	0.5	4.0	1.5	3.0
5	---	---	12.0	12.0	1.0	2.0	---	---	1.0	1.0	2.0	4.0
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	11.0	11.5	0.5	1.5	1.5	3.0	1.0	3.0	3.5	4.5
8	11.5	13.0	---	---	---	---	1.5	2.0	3.5	4.0	4.5	5.0
9	10.0	12.0	---	---	---	---	1.5	3.0	---	---	---	---
10	10.0	11.0	---	---	---	---	---	---	---	---	---	---
11	10.0	10.5	---	---	6.5	6.5	3.5	4.0	---	---	---	---
12	---	---	---	---	4.5	4.5	3.0	3.5	0.5	1.5	2.0	3.0
13	9.0	10.5	6.0	45.0	3.0	3.5	---	---	1.0	1.5	3.5	4.0
14	---	---	7.0	45.0	3.0	3.5	---	---	1.0	1.0	4.5	4.5
15	11.5	11.5	8.5	48.0	4.5	5.0	5.5	4.5	1.0	1.0	5.0	6.0
16	12.0	12.0	7.0	47.0	---	---	3.5	1.5	1.0	2.0	5.5	4.5
17	---	---	8.0	46.0	---	---	0.5	1.0	---	---	---	---
18	12.0	12.0	---	---	3.5	3.0	0.5	1.0	---	---	---	---
19	11.5	12.0	---	---	3.0	4.0	0.5	1.0	---	---	5.0	6.5
20	11.0	11.5	4.5	5.5	3.5	3.5	---	---	3.0	3.5	5.5	7.0
21	---	---	5.0	6.0	3.0	3.0	---	---	4.0	4.5	6.5	7.0
22	---	---	6.0	7.0	3.0	3.0	2.0	1.5	4.0	4.5	9.0	5.0
23	5.5	6.0	7.0	7.0	---	---	0.0	0.5	4.0	5.0	5.5	6.5
24	5.5	6.0	---	---	---	---	1.0	2.0	---	---	---	---
25	6.5	8.0	---	---	---	---	1.5	3.5	---	---	---	---
26	6.5	8.0	---	---	3.0	3.5	---	---	---	---	---	---
27	7.0	7.0	---	---	3.5	3.5	1.5	3.5	5.5	5.0	8.0	7.0
28	---	---	5.0	5.0	---	---	---	---	4.5	4.5	6.5	7.0
29	---	---	4.5	5.0	2.0	2.0	---	---	4.5	4.5	8.0	8.0
30	6.5	8.5	2.0	3.5	2.0	2.0	3.0	3.0	4.0	4.5	4.5	5.0
31	7.0	8.5	---	---	---	---	1.5	3.0	3.5	4.5	3.5	5.0
	8.5	8.5	---	---	---	---	3.5	4.0	---	---	---	---
	11.0	10.5	---	---	3.0	3.5	4.0	4.5	---	---	---	---
	---	13.5	---	---	3.0	3.0	3.0	3.5	---	---	4.5	5.5

DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1	---	---	---	---	---	---	---	---	---	---	---	---
2	5.0	7.0	12.0	13.0	---	---	22.0	23.5	21.5	24.5	---	---
3	7.0	8.5	11.0	12.0	19.5	20.5	21.0	23.0	---	---	16.5	18.5
4	7.0	8.0	---	---	19.5	20.0	---	---	---	---	16.5	18.5
5	5.0	5.5	---	---	18.5	19.5	---	---	24.5	23.5	15.5	18.5
6	---	---	10.5	13.0	18.5	16.5	---	---	22.0	24.5	16.5	19.0
7	---	---	---	---	---	---	---	---	---	---	---	---
8	4.0	6.0	11.0	11.5	15.5	15.5	---	---	20.5	21.0	---	---
9	5.5	6.0	11.5	14.5	---	---	---	---	18.5	18.0	---	---
10	5.5	6.5	13.5	15.0	---	---	24.0	25.5	16.5	17.0	18.0	19.5
11	6.5	6.5	14.5	17.0	14.5	16.5	24.5	25.0	---	---	18.5	19.5
12	7.0	8.5	---	---	14.0	17.0	23.5	24.5	---	---	15.5	17.0
13	---	9.0	---	---	---	---	---	---	---	---	---	---
14	---	---	15.0	17.0	16.5	19.0	23.5	24.5	20.0	21.5	14.5	16.0
15	6.5	15.0	15.5	18.0	18.0	17.0	---	---	21.0	22.0	16.5	17.0
16	6.5	8.5	16.0	19.0	16.0	18.5	---	---	22.0	23.5	---	---
17	8.5	8.5	18.0	20.0	---	---	20.5	20.5	22.0	24.5	---	---
18	---	---	---	---	---	---	21.0	21.5	22.0	23.5	12.0	14.0
19	10.0	10.0	18.5	20.0	19.5	20.0	21.5	23.5	---	---	12.0	14.0
20	10.5	11.0	---	---	19.0	21.0	22.0	24.0	---	---	12.0	14.5
21	---	---	---	---	20.5	22.0	23.0	25.0	19.0	21.0	14.5	15.5
22	---	---	17.0	19.5	22.0	24.5	---	---	19.5	21.0	15.0	16.0
23	9.0	---	18.5	21.5	22.0	24.0	---	---	19.0	21.0	---	---
24	9.0	10.0	20.5	22.0	---	---	22.0	24.0	18.0	20.0	---	---
25	11.0	11.5	20.5	23.0	---	---	23.0	24.0	19.5	22.0	18.0	19.0
26	11.5	12.0	20.5	23.5	21.5	24.5	21.5	24.0	---	---	16.5	16.0
27	---	13.0	---	---	23.5	26.0	22.0	24.0	---	---	15.0	14.5
28	---	---	---	---	24.0	25.5	22.0	23.0	18.5	20.0	14.0	13.5
29	---	---	---	---	---	---	---	---	---	---	---	---
30	10.0	---	18.5	21.0	22.0	24.0	---	---	20.0	21.5	13.5	14.5
31	10.0	11.5	19.5	21.5	21.0	24.0	---	---	21.0	23.0	---	---
	10.0	11.5	19.5	21.5	---	---	20.0	21.5	20.0	21.5	---	---
	---	13.5	20.0	21.0	---	---	20.0	22.0	19.5	21.5	14.0	15.0
	---	---	---	---	20.5	23.0	19.5	22.0	---	---	12.0	14.5
	---	---	---	---	---	---	20.5	24.0	---	---	---	---

01373860 MOODNA CREEK NEAR NEW WINDSOR, N.Y.

LOCATION.--Lat 41°27'32", long 74°01'27", Orange County, at bridge on State Highway 9W, 0.6 mi (1.0 km) upstream from mouth and 1.5 mi (2.4 km) south of New Windsor.

DRAINAGE AREA.--175 mi² (453 km²).

PERIOD OF RECORD.--Chemical analyses: April 1969 to April 1975 (discontinued).

REMARKS.--New York State Water Quality Surveillance Network station number 13 1252.

COOPERATION.--Samples furnished by New York State Department of Environmental Conservation.

CHEMICAL ANALYSES, OCTOBER 1974 TO APRIL 1975

DATE	TIME	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
OCT. 24...	0900	270	80	31	6.2	19	2.6	89	73	31
NOV. 13...	0905	1200	210	23	4.7	14	2.6	77	63	23
DEC. 19...	0930	450	80	20	4.5	13	1.0	54	44	22
JAN. 29...	0945	500	60	32	4.8	13	1.2	50	41	23
MAR. 05...	0905	240	40	19	4.2	12	1.2	51	42	24
MAR. 26...	0905	360	50	20	3.8	11	1.2	55	45	21
APR. 30...	0845	530	110	26	5.2	15	1.3	77	63	25

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
OCT. 24...	31	--	--	--	--	--	--	--	--	--
NOV. 13...	26	.32	.04	.36	.64	.56	1.2	1.6	.27	.11
DEC. 19...	23	.58	.00	.58	.27	.32	.59	1.2	.09	.05
JAN. 29...	24	.65	.01	.66	.23	.29	.52	1.2	.07	.04
MAR. 05...	24	.58	.01	.59	.17	.30	.47	1.1	.07	.09
MAR. 26...	22	.38	.01	.39	.11	.32	.43	.82	.06	.03
APR. 30...	27	.16	.03	.19	.38	.17	.55	.74	.13	.07

DATE	TOTAL NON-FILTERABLE RESIDUE (MG/L)	FIXED NON-FILTERABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)	RESIDUE ON IGNITION (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS) (MG/L)	COLOR (PLATINUM-COBALT UNITS) (MG/L)	TURBIDITY (JTU) (MG/L)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 24...	6	3	221	165	330	30	5	46	--
NOV. 13...	39	30	205	148	270	40	20	32	12
DEC. 19...	4	4	150	106	242	20	6	17	4.7
JAN. 29...	7	7	132	105	228	20	7	15	6.2
MAR. 05...	5	3	140	107	225	20	6	23	9.3
MAR. 26...	8	6	132	92	208	27	6	15	5.2
APR. 30...	10	8	167	127	273	23	5	22	8.6

HUDSON RIVER BASIN

433

01374085 HUDSON RIVER AT BEAR MOUNTAIN, N.Y.

LOCATION.--Lat 41°18'51", Long 73°59'08", Rockland County, at south dock of Bear Mountain State Park, at Bear Mountain, and 0.4 mi (0.6 km) downstream from Bear Mountain Bridge.

DRAINAGE AREA.--12,521 mi² (32,429 km²).

PERIOD OF RECORD.--Chemical analyses, April 1969 to April 1975 (discontinued).

REMARKS.--New York State Water Quality Surveillance Network station number 13 0250.

COOPERATION.--Samples furnished by New York State Department of Environmental Conservation.

CHEMICAL ANALYSES, OCTOBER 1974 TO APRIL 1975

DATE	TIME	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
OCT. 24...	0945	520	10	26	6.5	18	1.6	77	63	27
NOV. 13...	1000	790	40	10	12	54	3.4	76	62	37
DEC. 19...	1030	1100	60	12	3.5	7.0	.6	33	27	17
JAN. 29...	1030	1100	70	35	5.6	9.3	1.3	67	55	22
MAR. 05...	0950	990	50	20	4.6	8.1	1.1	57	47	18
MAR. 26...	0950	710	50	22	4.4	6.6	1.0	60	49	17
APR. 30...	0930	1000	40	23	4.7	6.5	1.2	68	56	20

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
OCT. 24...	32	--	--	--	--	--	--	--	--	--
NOV. 13...	100	.57	.00	.57	.15	.14	.29	.86	.08	.04
DEC. 19...	8.6	.24	.00	.24	.11	.19	.30	.54	.07	.03
JAN. 29...	16	.62	.01	.63	.24	.24	.48	1.1	.09	.02
MAR. 05...	15	.58	.01	.59	.20	.24	.44	1.0	.08	.03
MAR. 26...	12	.60	.01	.61	.13	.27	.40	1.0	.08	.02
APR. 30...	11	.71	.02	.73	.00	.20	.20	.93	.07	.03

DATE	TOTAL NON-FILTERABLE RESIDUE (MG/L)	FIXED NON-FILTERABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)	RESIDUE ON IGNITION (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 24...	10	10	182	151	293	6	8	11	--
NOV. 13...	19	14	332	269	550	10	10	13	4.8
DEC. 19...	16	15	115	83	146	8	20	10	2.2
JAN. 29...	25	25	147	129	214	20	20	14	6.9
MAR. 05...	24	6	143	111	194	20	20	12	3.5
MAR. 26...	16	12	130	100	192	21	15	10	3.8
APR. 30...	28	26	153	123	196	14	20	9	17

HUDSON RIVER BASIN

01374350 HUDSON RIVER AT VERPLANCK, N.Y.

LOCATION.--Lat 41°15'23", long 73°57'59", Westchester County, at pier at end of 6th Street in Verplanck and across the river from Tompkins Cove.

DRAINAGE AREA.--12,612 mi² (32,665 km²).

PERIOD OF RECORD.--Chemical analyses: April 1969 to May 1975 (discontinued).

REMARKS.--New York State Water Quality Surveillance Network station number 130256.

COOPERATION.--Samples furnished by New York State Department of Environmental Conservation.

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CAC03 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
NOV.	07...	1600	80	32	11	410	15	78	64	99
DEC.	11...	2000	60	23	5.0	7.8	1.2	70	57	20
JAN.	22...	680	40	25	12	68	3.3	69	57	38
FEB.	19...	890	50	31	30	190	7.5	69	57	67
MAR.	20...	2600	110	23	8.5	30	2.4	66	54	24
APR.	24...	4700	170	20	6.8	6.7	1.4	58	48	17
MAY	14...	2600	120	18	5.2	7.7	.9	53	43	16

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRATE PLUS NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
NOV.	07...	750	.66	.01	.67	.14	.34	.48	1.2	.13
DEC.	11...	13	.50	.00	.50	.24	.13	.37	.87	.09
JAN.	22...	140	.59	.02	.61	.19	.22	.41	1.0	.07
FEB.	19...	370	.68	.03	.71	.24	.18	.42	1.1	.09
MAR.	20...	59	.67	.02	.69	.26	.43	.69	1.4	.16
APR.	24...	12	--	--	--	--	--	--	--	.06
MAY	14...	13	.65	.01	.66	.01	.45	.46	1.1	.14

DATE	TOTAL NON-FILTERABLE RESIDUE (MG/L)	FIXED NON-FILTERABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)	RESIDUE ON IGNITION (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS) (MG/L)	COLOR (PLATINUM-COBALT UNITS) (MG/L)	TURBIDITY (JTU) (MG/L)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	
NOV.	07...	38	33	1610	1340	2500	10	20	15	9.8
DEC.	11...	16	14	152	123	217	20	20	12	3.6
JAN.	22...	17	16	394	339	690	10	20	11	3.2
FEB.	19...	26	22	786	714	1460	20	5	12	3.7
MAR.	20...	75	66	285	165	366	28	40	17	3.7
APR.	24...	109	98	208	184	182	30	60	16	16
MAY	14...	72	65	170	138	172	7	33	15	5.0

HUDSON RIVER BASIN

435

01376269 HUDSON RIVER AT PIERMONT, N.Y.

LOCATION.--Lat 41°02'34", long 73°53'48", Rockland County, at end of pier in Piermont, 0.3 mi (0.5 km) upstream from Sparkill Creek and 1.8 mi (2.9 km) downstream from Tappen Zee Bridge.

DRAINAGE AREA.--13,125 mi² (33,994 km²).

PERIOD OF RECORD.--Chemical analyses: May 1969 to April 1975 (discontinued).

REMARKS.--New York State Water Quality Surveillance Network station number 13 0254.

COOPERATION.--Samples furnished by New York State Department of Environmental Conservation.

CHEMICAL ANALYSES, OCTOBER 1974 TO APRIL 1975

DATE	TIME	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
OCT. 24...	1100	570	20	74	120	1000	50	78	64	280
NOV. 13...	1100	1000	60	89	210	2400	72	88	72	640
DEC. 19...	1215	1500	80	29	26	220	7.4	72	59	69
JAN. 29...	1010	1600	70	60	120	990	3.4	78	64	280
MAR. 05...	1010	1300	60	21	6.5	20	1.8	74	61	24
MAR. 26...	1100	1700	60	24	5.3	14	1.8	69	57	19
APR. 30...	1000	2400	80	20	7.1	24	2.1	61	50	25

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
OCT. 24...	1800	--	--	--	--	--	--	--	--	--
NOV. 13...	4100	.64	.02	.66	.47	.25	.72	1.4	.17	.10
DEC. 19...	390	.52	.02	.54	.35	.37	.72	1.3	.13	.05
JAN. 29...	1800	.58	.03	.61	.60	.36	.96	1.6	.17	.08
MAR. 05...	35	.63	.02	.65	1.3	.30	1.6	2.3	.18	.21
MAR. 26...	25	.62	.02	.64	.52	.58	1.1	1.7	.16	.07
APR. 30...	44	.65	.03	.68	.50	.25	.75	1.4	.18	.09

DATE	TOTAL NON-FILTERABLE RESIDUE (MG/L)	FIXED NON-FILTERABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)	RESIDUE ON IGNITION (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 24...	12	11	3500	3030	5470	6	8	17	--
NOV. 13...	27	20	8080	6720	11600	4	20	6	4.5
DEC. 19...	31	27	900	752	1590	20	20	18	6.1
JAN. 29...	44	41	3590	2920	5960	40	30	30	5.6
MAR. 05...	70	59	200	161	303	20	30	15	4.8
MAR. 26...	38	30	179	100	244	26	30	15	4.2
APR. 30...	58	54	248	201	306	28	40	13	3.9

01376510 HUDSON RIVER AT YONKERS, N.Y.

LOCATION.--Lat 40°55'00", long 73°54'41", Westchester County, at south end of dock at the Westchester County Joint Sewage Treatment Plant at Yonkers-New York City line.

DRAINAGE AREA.--13,183 mi² (34,144 km²).

PERIOD OF RECORD.--Chemical analyses: April 1969 to May 1975 (discontinued).

REMARKS.--New York State Water Quality Surveillance Network station number 13 0251.

COOPERATION.--Samples furnished by New York State Department of Environmental Conservation.

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
OCT. 16...	1200	830	70	130	450	3000	150	79	65	930
NOV. 07...	1200	320	70	--	--	2800	82	92	75	680
DEC. 11...	1215	2800	100	50	110	800	30	78	64	240
FEB. 19...	1100	380	50	82	210	1700	63	78	64	430
MAR. 20...	1115	710	80	84	190	1800	70	105	86	530
APR. 24...	1030	2100	90	100	250	2200	78	78	64	600
MAY 14...	1030	1000	60	50	110	860	34	75	62	240

DATE	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
OCT. 16...	6600	.50	.05	.55	.69	.27	.96	1.5	.22	.14
NOV. 07...	4700	.62	.05	.67	1.4	.70	2.1	2.8	.37	.26
DEC. 11...	1500	.55	.01	.56	.37	.41	.78	1.3	.07	.06
FEB. 19...	3200	.59	.08	.67	.34	.25	.59	1.3	.10	.06
MAR. 20...	3500	.63	.02	.65	5.3	1.2	6.5	7.2	.78	.42
APR. 24...	4100	--	--	--	--	--	--	--	--	.07
MAY 14...	1600	.62	.04	.66	.18	.31	.49	1.2	.09	.05

DATE	TOTAL NON-FILTERABLE RESIDUE (MG/L)	FIXED NON-FILTERABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)	RESIDUE ON IGNITION (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS) (MG/L)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 16...	32	26	14400	12000	19500	7	20	7	5.8
NOV. 07...	12	6	9240	7930	12600	6	5	13	9.8
DEC. 11...	49	42	3010	2660	5130	20	30	22	4.1
FEB. 19...	11	9	5900	5280	9790	10	6	17	6.0
MAR. 20...	28	16	7620	5900	10900	17	20	32	15
APR. 24...	41	34	8100	6810	13800	5	20	13	21
MAY 14...	31	28	3250	2680	5380	4	15	23	7.0

HACKENSACK RIVER BASIN

437

01376905 HACKENSACK RIVER NEAR ORANBURG, N.Y.

LOCATION.--Lat 41°02'39", long 73°59'18", Orange County, at bridge on Orangeburg Road (Veterans Memorial Drive), 300 ft (91 m) west of Hunt Road and 2 mi (3.2 km) west of Orangeburg.

DRAINAGE AREA.--45.8 mi² (118.6 km²).

PERIOD OF RECORD.--Chemical analyses: April 1969 to April 1975 (discontinued).

REMARKS.--New York State Water Quality Surveillance Network station number 15 0001.

COOPERATION.--Samples furnished by New York State Department of Environmental Conservation.

CHEMICAL ANALYSES, OCTOBER 1974 TO APRIL 1975

DATE	TIME	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
OCT. 24...	1000	540	90	28	5.6	15	2.0	87	71	21
NOV. 13...	1000	1000	300	29	5.4	18	2.1	103	84	21
DEC. 19...	1130	1400	130	22	5.0	13	1.0	66	54	16
JAN. 29...	0940	500	80	27	5.3	36	1.1	75	62	23
MAR. 05...	0940	380	90	26	5.3	23	1.5	78	64	22
MAR. 26...	1005	470	100	26	5.1	24	1.5	69	57	21
APR. 30...	0920	320	140	28	5.6	20	1.6	85	70	25

DATE	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
OCT. 24...	29	--	--	--	--	--	--	--	--	--
NOV. 13...	32	.50	.02	.52	.81	.49	1.3	1.8	.08	.02
DEC. 19...	23	.44	.25	.69	.47	.39	.86	1.6	.09	.04
JAN. 29...	50	.49	.01	.50	.30	.41	.71	1.2	.04	.02
MAR. 05...	43	.50	.01	.51	.15	.35	.50	1.0	.04	.05
MAR. 26...	46	.50	.01	.51	.12	.58	.70	1.2	.06	.00
APR. 30...	38	.27	.02	.29	.09	.26	.35	.64	.05	.00

DATE	TOTAL NON-FILTERABLE RESIDUE (MG/L)	FIXED NON-FILTERABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)	RESIDUE ON IGNITION (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 24...	6	6	185	143	295	5	5	21	--
NOV. 13...	19	13	211	154	330	20	10	22	7.4
DEC. 19...	22	19	177	129	255	40	30	21	5.1
JAN. 29...	4	4	207	173	341	9	7	17	4.5
MAR. 05...	12	5	197	152	325	10	5	14	4.5
MAR. 26...	8	5	204	177	325	22	7	17	4.3
APR. 30...	4	3	197	148	314	8	4	16	6.5

DELAWARE RIVER BASIN

01413500 EAST BRANCH DELAWARE RIVER AT MARGARETVILLE, N.Y.

LOCATION.--Lat 42°08'41", long 74°39'14", Delaware County, at gaging station at bridge on Fair Street at intersection with Main Street, Margaretville, and 1.6 mi (2.6 km) downstream from Dry Brook.

DRAINAGE AREA.--163 mi² (422 km²).

PERIOD OF RECORD.--Chemical analyses: May 1973 to April 1975 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1974 TO APRIL 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SI02) (MG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
OCT. 30...	1025	125	2.5	7.5	1.4	2.0	.5	18	0	15	9.3
DEC. 19...	0950	363	--	5.7	1.4	--	--	20	0	16	--
JAN. 21...	1430	E322	3.7	5.5	1.3	1.2	.5	12	0	10	8.3
MAR. 18...	1640	E190	--	5.6	1.2	--	--	13	0	11	--
APR. 24...	1220	453	2.6	6.5	1.2	1.5	.5	13	0	11	7.8

DATE	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
OCT. 30...	2.0	.1	.17	.00	.17	.04	.05	.09	.26	.00	.01
DEC. 19...	--	--	.51	.00	.51	.03	.17	.20	.71	.02	.01
JAN. 21...	2.7	.1	.52	.00	.52	.00	.20	.20	.72	.01	.01
MAR. 18...	--	--	.36	.01	.37	.01	.11	.12	.49	.01	.01
APR. 24...	2.7	.2	.44	.00	.44	.00	.11	.11	.55	.01	.01

DATE	TOTAL NON-FILTERABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIO-CHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	CHLORO-PHYLL A (UG/L)	CHLORO-PHYLL B (UG/L)	FECAL COLIFORM (COL. PER 100 ML)
OCT. 30...	2	33	65	7.2	10.0	10.5	94	.6	2.4	.4	47
DEC. 19...	2	24	58	7.3	2.0	12.8	93	.4	3.0	2.5	29
JAN. 21...	0	42	65	7.3	1.0	14.0	99	.3	3.2	4.4	12
MAR. 18...	4	33	65	7.2	6.0	12.0	97	.4	1.0	1.0	15
APR. 24...	0	37	59	7.8	8.0	11.9	102	.2	.8	2.0	893

B Results based on colony count outside the acceptable range (non-ideal colony count).

E Estimated value.

DELAWARE RIVER BASIN

01417000 EAST BRANCH DELAWARE RIVER AT DOWNSVILLE, N.Y.

LOCATION.--Lat 42°04'30", long 74°58'36", Delaware County, at gaging station 0.5 mi (0.8 km) downstream from Downsville Dam, at downstream end of outlet channel of Pepacton Reservoir, and 1.0 mi (1.6 km) east of Downsville.

DRAINAGE AREA.--371 mi² (961 km²).

PERIOD OF RECORD.--Chemical analyses: May 1973 to April 1975 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1974 TO APRIL 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SI02) (MG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
OCT. 30...	1150	18	2.3	5.5	1.2	1.0	.4	12	0	10	8.7
DEC. 18...	1535	8.0	--	5.5	1.5	--	--	15	0	12	--
JAN. 21...	1300	7.8	1.9	5.3	1.3	.8	.6	20	0	16	8.3
MAR. 18...	1520	11	--	6.3	1.4	--	--	13	0	11	--
APR. 24...	1045	247	1.1	5.7	1.7	1.9	.7	16	0	13	6.8

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
OCT. 30...	2.0	.1	.40	.00	.40	.03	.10	.13	.53	.01	.01
DEC. 18...	--	--	.29	.00	.29	.03	.25	.28	.57	.01	.00
JAN. 21...	2.2	.1	.24	.00	.24	.00	.14	.14	.38	.01	.01
MAR. 18...	--	--	.23	.01	.24	.01	.13	.14	.38	.01	.00
APR. 24...	2.9	.2	.27	.00	.27	.01	.15	.16	.43	.01	.00

DATE	TOTAL NON-FILTERABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIO-CHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	CHLORO-PHYLL A (UG/L)	CHLORO-PHYLL B (UG/L)	FECAL COLIFORM (COL. PER 100 ML)
OCT. 30...	3	40	55	7.3	7.0	10.8	90	.0	.0	.0	10
DEC. 18...	0	23	64	7.4	5.0	12.2	97	.6	1.0	.0	84
JAN. 21...	0	32	63	7.5	5.0	10.0	79	.3	5.2	6.0	<1
MAR. 18...	2	27	60	7.2	4.0	11.0	84	.4	.0	.0	<1
APR. 24...	5	36	65	8.0	5.0	12.6	100	.1	3.0	8.0	<1

3 Results based on colony count outside the acceptable range (non-ideal colony count).

DELAWARE RIVER BASIN

01420500 BEAVER KILL AT COOKS FALLS, N.Y.

LOCATION.--Lat 41°56'47", long 74°58'48", Delaware County, at gaging station 125 ft (38 m) downstream from highway bridge in Cooks Falls and 5.5 mi (8.8 km) downstream from Willowemoc Creek.

DRAINAGE AREA.--241 mi² (624 km²).

PERIOD OF RECORD.--Chemical analyses: January 1966 to May 1975 (discontinued).

REMARKS.--New York State Water Quality Surveillance Network station number 14 2108.

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
OCT.												
16...	1615	388	120	150	5.0	.8	2.1	.9	14	0	11	7.5
NOV.												
20...	1230	688	90	10	5.3	.9	1.4	.4	9	0	7	10
DEC.												
10...	1300	2240	420	50	4.4	.8	1.0	.2	6	0	5	7.5
JAN.												
30...	0930	1170	110	20	4.8	1.1	2.3	.4	12	0	10	7.4
FEB.												
19...	1200	E240	60	10	7.9	.2	4.4	.5	11	0	9	7.2
MAR.												
20...	1630	6780	570	90	7.0	1.2	1.6	.5	8	0	7	6.7
APR.												
17...	1600	644	70	10	5.8	.8	1.7	.3	6	0	5	6.2
MAY												
14...	1100	2530	270	30	6.0	.9	.8	.2	10	0	8	6.7
DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL URTHO PHOSPHORUS (P) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	FIXED NON-FILTERABLE RESIDUE (MG/L)
OCT.												
16...	3.4	.13	.00	.13	.11	.00	.11	.24	.02	.01	3	0
NOV.												
20...	3.5	.29	.00	.29	.01	.10	.11	.40	.00	.01	2	1
DEC.												
10...	1.3	.43	.00	.43	.07	.12	.19	.62	.02	.01	9	4
JAN.												
30...	4.7	.35	.01	.36	.00	.13	.13	.49	.01	.01	0	0
FEB.												
19...	8.3	.32	.00	.32	.02	.15	.17	.49	.01	.00	4	2
MAR.												
20...	3.4	.45	.00	.45	.04	.12	.16	.61	.03	.01	28	24
APR.												
17...	2.9	.33	.01	.34	.01	.69	.70	1.0	.01	.00	0	0
MAY												
14...	2.2	.34	.01	.35	.00	.14	.14	.49	.02	.00	9	8
DATE	TOTAL RESIDUE (MG/L)	RESIDUE ON IGNITION (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)
OCT.												
16...	46	37	63	7.0	10.0	3	2	11.8	101	4	--	350
NOV.												
20...	32	28	58	7.0	7.0	4	1	12.9	106	2	2.8	130
DEC.												
10...	41	27	51	7.1	2.5	7	4	14.0	103	8	2.0	105
JAN.												
30...	30	30	54	6.8	1.0	10	2	14.2	107	7	1.4	72
FEB.												
19...	34	29	73	7.4	2.0	3	1	14.7	107	1	3.1	41
MAR.												
20...	59	39	40	6.9	2.0	8	9	14.4	102	9	2.4	B280
APR.												
17...	19	16	47	7.6	8.5	4	1	12.0	103	3	.8	82
MAY												
14...	33	22	48	7.3	12.0	3	4	11.5	104	7	3.3	28

B Results based on colony count outside the acceptable range (non-ideal colony count).

E Estimated value.

01421000 EAST BRANCH DELAWARE RIVER AT FISHS EDDY, N.Y.

LOCATION.--Lat 41°58'23", long 75°10'28", Delaware County, temperature recorder at gaging station on left bank 3,000 ft (914 m) upstream from bridge on County Highway 28, at Fishs Eddy, 0.6 mi (1.0 km) upstream from Fish Creek, 4.2 mi (6.8 km) downstream from Beaver Kill and 11 mi (18 km) upstream from the confluence of East and West Branches at Hancock.

DRAINAGE AREA.--783 mi² (2,028 km²).

PERIOD OF RECORD.--Chemical analyses: October 1957 to September 1959, May 1970 to May 1975 (discontinued).
Water temperatures: November 1967 to September 1975.

EXTREMES.--1974-75:
Water temperatures: Maximum, 31.5°C Aug. 2; minimum, freezing point on many days November through April.

Period of record:
Water temperatures: Maximum, 31.5°C Aug. 2, 1975; minimum, freezing point on many days during winter periods.

REMARKS.--New York State Water Quality Surveillance Network station number 14 1050. No water temperature record Jan. 8, July 21, 22 and Sept. 30.

COOPERATION.--Water temperature recorder graph furnished by the Board of Water Supply, City of New York.

REVISIONS.--Revised figures for water temperatures for water year 1974 superceding those previously published are given herewith:

TEMPERATURE (°C) OF WATER

	Maximum	Minimum
June 8, 1974	21.0	
June 16, 1974	20.0	
June 19, 1974	20.5	
June 20, 1975		18.0
July 9, 1975		23.0
July 10, 1975		24.0

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TOTAL IMON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL TASIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
OCT. 16...	1330	444	70	100	5.5	1.0	1.8	.9	15	0	12	8.2
NOV. 20...	1540	1070	230	70	6.0	1.6	2.5	1.0	16	0	13	11
DEC. 10...	1530	3780	490	40	4.1	1.0	1.0	.6	5	0	4	8.1
JAN. 29...	1530	1360	80	10	6.7	1.3	2.5	.6	10	0	8	8.1
FEB. 19...	1430	E538	50	0	5.5	1.1	3.9	.5	14	0	11	7.3
MAR. 20...	1430	9360	890	100	5.5	.9	1.6	.6	6	0	5	6.7
APR. 17...	1230	1290	70	10	4.0	.9	1.8	.3	9	0	7	6.3
MAY 14...	1500	5410	250	40	4.1	1.0	.8	.3	9	0	7	7.6

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	FIXED NON-FILTERABLE RESIDUE (MG/L)
OCT. 16...	2.8	.16	.00	.16	.07	--	.01	.17	.01	.00	1	1
NOV. 20...	4.5	.44	.00	.44	.01	.25	.26	.70	.01	.01	6	4
DEC. 10...	1.5	.43	.00	.43	.03	.15	.18	.61	.02	.01	7	3
JAN. 29...	3.6	.32	.01	.33	.00	.10	.10	.43	.01	.01	1	1
FEB. 19...	6.6	.33	.00	.33	.01	.05	.06	.39	.01	.00	3	1
MAR. 20...	4.4	.41	.01	.42	.05	.10	.15	.57	.05	.01	48	42
APR. 17...	3.3	.29	.01	.30	.01	.07	.08	.38	.01	.00	1	0
MAY 14...	2.2	.30	.01	.31	.00	.14	.14	.45	.02	.00	10	8

E Estimated value.

DELAWARE RIVER BASIN

01421000 EAST BRANCH DELAWARE RIVER AT FISHS EDDY, N.Y.--Continued

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TOTAL RESIDUE (MG/L)	RESIDUE ON IGNITION (MG/L)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	FECAL COLIFORM PER 100 ML
OCT. 16...	35	25	61	7.1	10.5	5	2	11.9	101	4	4.8	41
NOV. 20...	48	42	57	7.1	6.5	10	4	12.5	101	5	2.4	80
DEC. 10...	38	24	52	7.0	2.0	6	4	13.8	100	8	1.6	814
JAN. 29...	34	31	57	7.2	2.0	9	1	13.8	107	5	.9	13
FEB. 19...	46	26	70	7.5	1.0	4	1	15.0	106	4	.9	41
MAR. 20...	99	79	42	6.7	3.0	8	20	13.9	101	11	2.8	8180
APR. 17...	34	28	51	7.6	8.0	4	1	12.4	104	4	.8	41
MAY 14...	30	22	45	7.2	13.0	4	4	11.8	111	7	2.1	33

B Results based on colony count outside the acceptable range (non-ideal colony count).

01421000 EAST BRANCH DELAWARE RIVER AT FISHS EDDY, N.Y.—Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1												
2	11.5	9.5	14.0	11.0	1.0	0.0	0.5	0.0	1.5	0.0	2.0	1.5
3	9.5	9.0	14.0	12.0	2.0	0.5	0.5	0.0	0.5	0.0	1.5	0.0
4	9.0	7.0	13.0	10.5	2.0	0.5	0.0	0.0	0.5	0.0	1.0	0.0
5	8.5	6.0	11.5	11.5	0.5	0.0	0.0	0.0	0.0	0.0	0.5	0.0
6	11.0	6.5	11.5	10.5	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0
7	13.5	9.0	10.5	9.5	0.0	0.0	0.0	0.0	0.5	0.0	2.0	0.5
8	12.0	10.0	9.5	8.0	1.0	0.0	0.0	0.0	1.0	0.0	2.0	0.5
9	11.0	8.0	9.0	7.0	5.0	1.0	---	---	0.5	0.0	3.0	0.0
10	10.5	8.0	8.5	5.5	5.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
11	11.0	8.5	7.0	5.5	3.0	1.5	2.0	0.0	0.0	0.0	0.0	0.0
12	13.0	9.0	7.0	5.0	5.5	2.0	4.5	2.0	0.0	0.0	1.0	0.0
13	13.0	9.5	8.0	5.5	3.0	2.0	3.5	1.5	0.0	0.0	1.0	0.5
14	14.0	11.5	8.0	6.0	3.5	3.0	1.5	1.0	0.0	0.0	3.0	1.0
15	12.0	11.0	6.0	5.0	4.0	3.0	1.0	0.0	0.0	0.0	1.5	0.0
16	12.0	11.0	5.5	4.0	3.5	2.0	0.0	0.0	0.0	0.0	1.0	0.0
17	11.0	10.0	5.0	3.5	2.0	0.5	0.0	0.0	0.0	0.0	3.0	0.0
18	10.5	9.0	5.0	3.5	3.0	1.0	0.0	0.0	0.0	0.0	6.5	1.0
19	10.0	6.0	5.5	4.0	2.0	1.0	0.0	0.0	0.0	0.0	6.5	2.0
20	6.0	4.0	6.0	4.5	1.0	0.5	0.0	0.0	0.5	0.0	5.0	4.0
21	4.5	2.0	6.5	6.0	1.0	0.5	0.0	0.0	0.5	0.0	5.0	1.5
22	4.0		6.5	3.5	1.5	0.5	0.0	0.0	1.5	0.0	3.5	0.5
23	6.0	1.5	3.5	1.5	2.0	1.0	0.0	0.0	3.5	0.0	3.5	2.0
24	6.0	4.5	2.0	0.5	1.0	0.5	0.0	0.0	2.0	1.5	5.0	3.0
25	7.0	3.5	5.0	2.0	1.5	0.5	0.0	0.0	2.0	1.0	4.5	2.0
26	6.0	4.5	5.5	3.5	1.5	0.5	0.0	0.0	2.0	1.5	5.5	3.5
27	7.0		3.5	0.0	0.5	0.0	0.5	0.0	2.0	1.5	5.0	1.0
28	8.0	5.0	1.0	0.0	0.0	0.0	0.5	0.0	3.0	1.0	8.0	0.0
29	7.0	4.5	0.0	0.5	0.5	0.0	0.5	0.0	3.0	0.5	3.5	0.0
30	9.0	4.0	1.5	0.0	0.0	0.0	2.0	0.5	---	---	3.0	1.5
31	10.5	5.0	1.5	0.5	1.5	0.0	1.5	0.5	---	---	3.5	2.0
MONTH	12.0	8.5	1.5	0.5	0.5	0.0	1.0	0.0	---	---	3.5	0.0
	14.0	1.5	14.0	0.0	5.5	0.0	4.5	0.0	3.5	0.0	8.0	0.0

DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1												
2	5.5	2.0	12.0	8.5	19.5	14.5	26.0	19.5	30.0	24.5	16.0	15.0
3	5.0	3.5	10.0	7.0	22.0	16.0	26.0	19.5	31.5	26.0	16.0	15.0
4	4.5	1.5	13.0	7.0	20.5	17.0	24.0	21.5	31.0	26.5	18.0	14.0
5	1.5	0.0	11.5	8.5	19.0	15.5	26.0	20.5	29.0	26.5	18.5	14.5
6	1.5	0.0	12.0	8.0	17.0	13.5	26.5	20.5	30.0	24.5	20.0	15.0
7	2.0	1.0	10.5	8.5	14.5	13.0	28.0	23.0	27.0	20.0	19.0	16.5
8	2.0	0.5	11.5	7.0	13.5	12.0	27.0	23.5	20.0	16.5	20.5	15.5
9	3.0	1.0	11.5	8.0	14.0	11.5	28.0	23.0	20.5	16.0	20.5	16.5
10	5.5	1.0	13.5	8.5	16.5	12.0	26.0	23.5	24.5	17.0	19.0	15.0
11	5.5	1.5	14.0	9.5	18.5	13.0	26.0	21.0	25.0	20.0	18.0	13.0
12	6.5											
13	6.0	2.0	14.0	10.5	17.0	14.0	26.0	21.5	26.0	22.0	16.5	13.5
14	5.0	3.0	13.0	11.0	16.0	13.5	24.5	21.5	26.5	21.5	17.0	15.0
15	7.0	3.0	14.0	11.0	16.0	13.5	23.5	21.5	25.5	21.5	15.0	13.0
16	6.5	2.0	15.0	10.5	18.5	14.5	23.0	21.0	27.0	22.0	14.5	11.0
17		5.0	15.0	11.5	19.0	15.5	25.5	21.0	25.5	21.5	14.0	10.5
18	9.0											
19	11.0	5.0	15.0	11.5	18.0	16.5	26.0	22.0	23.0	19.5	13.5	11.5
20	9.5	6.0	15.5	11.5	20.5	16.0	28.0	22.0	21.5	18.5	16.5	13.0
21	9.5	6.5	15.0	13.0	22.0	18.5	28.5	24.5	24.5	19.5	15.0	14.0
22	8.5	8.5	18.0	13.0	20.5	18.5	26.5	24.5	23.5	19.0	14.5	13.5
23		5.5	19.0	14.5	22.0	18.0	28.5	22.0	23.5	19.0	16.5	14.0
24	8.0											
25	9.0	4.0	19.0	16.5	23.0	16.5	---	---	22.0	18.5	19.5	15.0
26	10.5	4.0	19.0	16.0	23.5	17.0	---	---	25.0	20.0	17.0	15.0
27	9.5	5.5	22.0	18.0	25.5	19.5	25.0	19.5	24.5	18.5	16.0	14.5
28	9.5	8.0	23.5	19.0	27.0	21.5	26.0	21.5	21.5	19.0	14.5	13.0
29	8.5	7.0	22.0	19.0	26.0	21.5	24.0	22.0	23.5	18.5	13.0	12.0
30	10.0											
31	8.0	6.5	20.5	16.5	24.0	20.5	24.0	18.5	26.0	21.5	13.5	12.0
MONTH	8.0	6.0	21.0	18.0	21.0	19.0	24.5	19.0	26.0	21.5	14.5	13.5
	9.5	5.0	23.0	16.0	21.0	18.0	25.5	20.5	24.5	20.0	13.5	12.0
	14.0	7.0	23.0	16.5	24.0	18.5	26.0	21.0	22.0	20.0	14.0	10.5
	---	---	20.5	16.0	26.0	20.0	27.0	20.5	20.5	16.5	---	---
	14.0	0.0	20.5	15.5	---	---	28.5	22.0	18.0	15.5	---	---
			23.5	7.0	27.0	11.5	28.5	18.5	31.5	15.5	20.5	10.5

DELAWARE RIVER BASIN

01422735 WEST BRANCH DELAWARE RIVER ABOVE WALTON, N.Y.

LOCATION.--Lat 42°09'18", long 75°06'40", Delaware County, 0.1 mi (0.2 km) north of River Road opposite roadside park, 0.6 mi (1.0 km) upstream from Walton, 1.5 mi (2.4 km) upstream from East Brook and 2.1 mi (3.4 km) upstream from gaging station (01423000) at Walton

DRAINAGE AREA.--273 mi² (707 km²).

PERIOD OF RECORD.--Chemical analyses: May 1973 to April 1975 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1974 TO APRIL 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SiO ₂) (MG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)	CARBONATE (CO ₃) (MG/L)	ALKALINITY AS CaCO ₃ (MG/L)	DISSOLVED SULFATE (SO ₄) (MG/L)
OCT. 30...	1400	E180	2.2	9.0	2.2	4.0	.9	26	0	21	11
DEC. 05...	1620	E420	--	8.0	2.2	--	--	20	0	16	--
JAN. 21...	0945	E420	4.7	8.9	2.2	3.3	.9	17	0	14	11
MAR. 13...	1545	E470	--	8.0	2.0	--	--	16	0	13	--
APR. 24...	0840	E610	2.7	10	2.0	2.7	.8	19	0	16	7.0

DATE	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHOPHOSPHORUS (P) (MG/L)
OCT. 30...	4.8	.1	.68	.00	.68	.07	.07	.14	.82	.02	.02
DEC. 05...	--	--	.99	.00	.99	.03	.13	.16	1.2	.03	.02
JAN. 21...	4.3	.1	1.3	.00	1.3	.03	.19	.22	1.5	.03	.02
MAR. 13...	--	--	1.1	.01	1.1	.05	.11	.16	1.3	.03	.02
APR. 24...	4.2	.2	.79	.01	.80	.02	.10	.12	.92	.03	.01

DATE	TOTAL NON-FILTERABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	CHLOROPHYLL A (UG/L)	CHLOROPHYLL B (UG/L)	FECAL COLIFORM (COL PER 100 ML)
OCT. 30...	2	63	100	7.9	11.0	13.4	122	.4	2.00	.000	100
DEC. 05...	1	61	92	7.5	.0	16.0	111	.6	2.50	2.50	89
JAN. 21...	0	65	93	7.3	.0	13.0	93	.3	2.80	6.40	819
MAR. 13...	6	44	81	7.2	4.0	13.0	100	.4	.500	2.50	83
APR. 24...	6	43	77	7.1	8.0	10.5	90	.8	2.40	6.00	37

B Results based on colony count outside the acceptable range (non-ideal colony count).

E Estimated value.

DELAWARE RIVER BASIN

01423010 WEST BRANCH DELAWARE RIVER AT BEERSTON, N.Y.
 LOCATION.--Lat 42°07'43", long 75°09'39", Delaware County, at bridge on State Highway 10 in Beerston, at upper end of Cannonsville Reservoir and 4.7 mi (7.6 km) downstream from gaging station (01423000) at Walton.
 DRAINAGE AREA.--351 mi² (909 km²).

PERIOD OF RECORD.--Chemical analyses: May 1973 to April 1975 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1974 TO APRIL 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CF5)	DIS-SOLVED SILICA (SiO ₂) (MG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)	CARBONATE (CO ₃) (MG/L)	ALKALINITY AS CaCO ₃ (MG/L)	DIS-SOLVED SULFATE (SO ₄) (MG/L)
OCT. 30...	1520	F233	2.1	7.5	2.0	2.9	.6	21	0	17	11
DEC. 05...	1445	F382	--	6.0	2.0	--	--	16	0	13	--
JAN. 21...	0840	F477	4.4	7.0	1.9	3.5	.9	15	0	12	10
MAR. 13...	1305	E514	--	6.0	1.7	--	--	14	0	11	--
APR. 23...	1810	E642	2.9	6.8	1.4	1.9	.6	13	0	11	8.8

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
OCT. 30...	4.0	.1	.44	.00	.44	.11	.08	.19	.63	.14	.11
DEC. 05...	--	--	.59	.00	.59	.05	.18	.23	.82	.07	.05
JAN. 21...	4.7	.2	1.0	.00	1.0	.00	.21	.21	1.2	.09	.07
MAR. 13...	--	--	.66	.01	.67	.06	.10	.16	.83	.05	.03
APR. 23...	4.1	.2	.60	.01	.61	.00	.14	.14	.75	.03	.01

DATE	TOTAL NON-FILTERABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	CHLORO-PHYLL A (UG/L)	CHLORO-PHYLL B (UG/L)	FECAL COLIFORM (COL. PER 100 ML)
OCT. 30...	3	54	86	7.6	11.0	12.0	110	1.0	1.30	.000	8110
DEC. 05...	3	48	81	7.2	.0	15.0	104	1.4	4.00	3.50	29
JAN. 21...	0	62	86	7.2	.0	13.2	92	1.6	5.00	6.50	8140
MAR. 13...	6	40	68	7.2	5.0	12.0	95	1.2	1.00	1.50	64
APR. 23...	1	42	63	7.6	11.0	11.6	106	.2	.400	2.00	85

1 Results based on colony count outside the acceptable range (non-ideal colony count).
 2 Estimated value.

01425000 WEST BRANCH DELAWARE RIVER AT STILESVILLE, N.Y.

LOCATION.--Lat 42°04'29", long 75°23'47", Delaware County, temperature recorder at gaging station on right bank at Stilesville, (0.8 km) upstream from Cold Spring Creek, 1.4 mi (2.3 km) downstream from Cannonsville Dam, and 2.0 mi (3.2 km) northeast of ^{0.5 mi} Depue.

DRAINAGE AREA.--456 mi² (1,181 km²).

PERIOD OF RECORD.--Chemical analyses: May 1973 to April 1975 (discontinued).

Water temperatures: October 1962 to September 1975.

EXTREMES.--1974-75:

Water temperatures: Maximum, 23.5°C July 31; minimum, freezing point on Feb. 13-15.

Period of record:

Water temperatures: Maximum, 30.5°C July 2, 1963; minimum, freezing point on many days during winter periods, most years.

CHEMICAL ANALYSES, OCTOBER 1974 TO APRIL 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SiO ₂) (MG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)	CARBONATE (CO ₃) (MG/L)	ALKALINITY AS CaCO ₃ (MG/L)	DISSOLVED SULFATE (SO ₄) (MG/L)
OCT. 31...	0810	169	1.7	7.0	1.8	2.7	.8	18	0	15	10
DEC. 05...	1230	498	--	6.8	2.0	--	--	19	0	16	--
JAN. 20...	1620	1010	2.3	6.0	1.7	2.3	1.0	15	0	12	9.3
MAR. 13...	1120	532	--	6.0	1.8	--	--	16	0	13	--
APR. 23...	1645	800	2.5	6.5	1.8	2.7	1.0	15	0	12	7.9

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
OCT. 31...	3.6	.1	.42	.00	.42	.08	.08	.16	.58	.02	.01
DEC. 05...	--	--	.51	.00	.51	.02	.31	.33	.84	.02	.01
JAN. 20...	3.4	.1	.52	.00	.52	.00	.39	.39	.91	.02	.01
MAR. 13...	--	--	.64	.00	.64	.03	.14	.17	.81	.04	.06
APR. 23...	4.7	.1	.62	.01	.63	.01	.15	.16	.79	.03	.02

DATE	TOTAL NON-FILTERABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIO-CHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	CHLOROPHYLL A (UG/L)	CHLOROPHYLL B (UG/L)	FECAL COLIFORM (COL. PER 100 ML)
OCT. 31...	4	51	72	7.2	11.0	8.4	77	.6	6.40	.000	885
DEC. 05...	1	53	84	7.1	6.0	15.2	123	.4	4.80	2.80	83
JAN. 20...	0	41	72	7.5	1.0	13.1	93	.8	7.60	4.00	81
MAR. 13...	4	35	71	7.4	2.0	13.0	95	.6	2.50	8.50	<1
APR. 23...	4	37	70	8.2	7.0	14.2	118	1.0	8.00	19.0	82

B Results based on colony count outside the acceptable range (non-ideal colony count).

01425000 WEST BRANCH DELAWARE RIVER AT STILESVILLE, N.Y.—Continued

TEMPERATURE (°C) OF WATER, OCTOBER 1974 TO APRIL 1975

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

DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	2.0	2.0	5.5	4.5	16.5	15.5	21.5	18.0	22.0	10.0	9.0	7.0
2	2.0	2.0	6.0	5.0	18.0	15.5	21.0	16.5	10.0	8.0	9.5	7.0
3	2.0	2.0	6.0	5.0	18.0	16.5	20.5	5.5	8.0	6.0	12.0	6.5
4	2.0	2.0	5.5	5.0	17.0	16.0	6.0	5.0	4.5	4.5	11.0	6.5
5	2.0	2.0	7.0	5.5	16.0	15.5	6.5	5.0	5.5	4.5	13.5	6.5
6	2.0	2.0	6.5	6.0	16.5	14.5	12.0	5.0	6.0	4.5	11.5	8.0
7	2.0	2.0	6.5	6.0	16.0	14.5	16.5	7.0	7.0	5.5	14.5	6.5
8	2.0	2.0	6.5	6.0	16.0	14.5	13.0	5.5	13.5	5.5	14.5	7.0
9	2.0	2.0	6.5	6.5	16.5	15.5	5.5	4.5	12.0	4.5	10.5	6.5
10	2.0	2.0	8.5	6.5	17.0	15.0	5.5	5.0	14.0	6.5	13.5	6.0
11	2.0	2.0	8.0	5.5	16.5	15.5	6.0	4.5	14.0	7.0	12.0	5.5
12	2.0	2.0	8.5	6.0	15.5	15.0	6.5	5.0	14.0	6.0	10.5	5.5
13	2.0	2.0	10.0	8.0	16.5	14.5	6.0	5.0	8.0	5.5	6.5	5.5
14	3.0	2.0	11.0	9.0	16.5	14.5	10.5	5.5	7.0	6.0	9.5	5.5
15	3.0	3.0	10.5	8.5	19.0	15.5	15.5	7.0	6.5	5.5	10.0	5.5
16	3.5	3.0	12.0	7.0	16.5	16.5	14.5	8.0	6.0	6.0	9.5	6.0
17	3.5	3.0	12.0	10.0	18.0	16.5	15.5	8.5	6.5	5.5	11.0	6.5
18	3.5	3.0	12.0	10.0	18.5	16.5	13.0	6.5	7.0	5.5	8.5	6.0
19	3.5	3.5	12.0	11.5	17.0	16.5	11.5	5.0	7.0	5.5	8.0	5.5
20	3.5	3.5	14.0	12.0	19.5	17.0	14.0	9.0	8.5	5.5	6.0	5.5
21	3.5	3.0	15.5	12.0	20.0	17.0	15.5	9.0	8.0	5.5	11.5	5.5
22	4.0	3.0	16.5	14.5	20.0	18.0	19.5	8.5	5.5	5.0	10.5	5.5
23	4.5	3.5	18.0	15.5	20.5	18.0	20.5	15.5	6.0	5.0	9.0	6.5
24	4.0	3.5	20.5	15.0	20.5	19.0	21.0	18.5	5.5	5.0	8.0	6.5
25	3.5	3.5	20.5	17.0	21.5	19.0	21.0	19.0	10.5	5.0	13.0	7.0
26	4.0	3.5	18.0	14.5	20.0	20.0	21.5	20.0	11.0	5.0	15.0	13.0
27	4.0	3.5	15.5	13.0	20.5	19.5	22.0	20.0	11.0	6.0	15.0	15.0
28	4.5	3.5	16.5	13.5	19.5	18.0	22.0	20.5	6.5	5.5	15.0	14.5
29	4.5	4.0	15.0	12.0	20.0	10.5	23.0	20.0	6.5	5.5	14.5	14.5
30	6.5	4.5	16.5	16.0	21.5	19.0	23.0	20.0	8.5	5.5	15.0	14.5
31	---	---	19.0	16.0	---	---	23.5	20.5	12.0	6.5	---	---
MONTH	6.5	2.0	20.5	4.5	21.5	10.5	23.5	4.5	22.0	4.5	15.0	5.5

DELAWARE RIVER BASIN

01425665 OQUAGA CREEK AT ARCTIC, N.Y.

LOCATION.--Lat 42°11'05", long 75°25'27", Broome County, at bridge on North Sanford Road, 0.3 mi (0.5 km) upstream from small tributary 0.5 mi (0.8 km) west of Arctic, 1.3 mi (2.1 km) upstream from gaging station (01425675) near North Sanford and 2.6 mi (4.2 km) north east of North Sanford.

DRAINAGE AREA.--1.15 mi² (2.98 km²).

PERIOD OF RECORD.--Chemical analyses: March to September 1971, April to August 1973, March 1974 to May 1975 (discontinued).

REMARKS.--Analyses of miscellaneous samples published for 1972 water year.

CHEMICAL ANALYSES, OCTOBER TO MAY 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SiO ₂) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)	ALKALINITY AS CaCO ₃ (MG/L)	DISSOLVED SULFATE (SO ₄) (MG/L)
OCT. 31...	1200	.36	3.7	450	330	5.5	1.2	2.5	.6	10	8	11
NOV. 13...	1330	9.2	3.8	280	70	3.9	.8	1.1	1.1	7	6	9.3
DEC. 11...	1450	3.4	3.9	230	20	3.4	1.2	1.0	.2	7	6	8.7
FEB. 05...	1055	1.2	3.8	180	20	7.3	1.1	1.6	.7	7	6	9.3
FEB. 20...	1230	1.0	3.5	190	20	5.3	1.1	2.5	.6	12	10	9.0
MAR. 25...	1200	5.4	3.2	190	30	8.0	.7	1.2	.5	5	4	8.8
APR. 16...	1315	1.4	2.7	160	20	3.1	.8	1.7	.4	6	5	7.0
MAY 21...	1450	.90	3.4	330	30	5.3	1.4	1.5	.3	8	7	

DATE	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
OCT. 31...	2.4	.1	.01	.00	62	6.4	11.5	11.5	103	818	56
NOV. 13...	2.7	.2	.15	.00	52	6.7	4.5	12.4	98	76	1440
DEC. 11...	1.5	.1	.24	.00	54	6.9	4.0	13.2	101	--	89
FEB. 05...	1.7	.0	.22	.00	49	7.1	.0	14.4	102	<2	84
FEB. 20...	4.4	.1	.20	.00	57	7.4	2.0	14.1	103	<1	811
MAR. 25...	2.1	.2	.14	.01	42	6.8	6.0	12.0	98	<1	82
APR. 16...	2.0	.2	.16	.01	45	7.5	9.0	11.2	97	<1	82
MAY 21...	1.8	.2	.00	.01	46	7.2	17.0	9.6	100	19	20

B Results based on colony count outside the acceptable range (non-ideal colony count).

DELAWARE RIVER BASIN

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01425670 QUAGA CREEK TRIBUTARY AT ARCTIC, N.Y.

LOCATION.--Lat 42°10'56", long 75°25'16", Broome County, 0.2 mi (0.3 km) upstream from mouth, 0.4 mi (0.6 km) southwest of Arctic, 0.4 mi (0.6 km) downstream from bridge on East Afton Road, and 2.5 mi (4.0 km) northwest of North Sanford.

DRAINAGE AREA.--2.37 mi² (6.14 km²).

PERIOD OF RECORD.--Chemical analyses: March to September 1971, April to August 1973, March 1974 to May 1975 (discontinued).

REMARKS.--Analyses of miscellaneous samples published for 1972 water year.

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SiO ₂) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)	ALKALINITY AS CaCO ₃ (MG/L)	DISSOLVED SULFATE (SO ₄) (MG/L)
OCT. 31...	1600	.69	3.6	150	20	8.0	1.8	2.9	.6	19	16	11
NOV. 13...	1030	16	3.5	330	50	3.8	.9	1.5	.8	6	5	9.7
DEC. 11...	1200	6.2	3.6	220	20	12	1.5	1.8	.6	9	7	20
FEB. 05...	1400	3.5	3.7	220	10	5.4	1.3	2.7	.5	11	9	8.8
MAR. 20...	1630	1.8	3.5	270	40	4.9	1.2	3.3	.5	11	9	8.2
APR. 25...	0900	14	3.0	130	20	4.4	.7	1.8	.5	5	4	8.7
MAY 16...	0945	3.6	3.0	110	10	3.7	.9	2.4	.3	6	5	7.0
MAY 21...	1100	2.4	3.6	260	30	5.5	1.7	2.2	.4	10	8	7.3

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
OCT. 31...	3.5	.1	.03	.00	81	6.9	12.0	11.0	107	817	840
NOV. 13...	3.4	.2	.13	.00	53	6.8	6.0	12.4	100	220	1030
DEC. 11...	2.4	.1	.16	.00	55	7.0	3.0	13.2	99	810	823
FEB. 05...	3.0	.0	.15	.00	58	7.2	.0	14.1	100	<2	<2
MAR. 20...	5.3	.1	.19	.01	64	7.1	2.0	14.0	102	811	810
APR. 25...	3.2	.2	.14	.01	46	6.5	3.0	13.2	101	84	23
MAY 16...	3.0	.1	.10	.00	53	7.4	5.0	12.8	102	81	83
MAY 21...	3.0	.2	.04	.01	55	6.9	15.0	9.9	97	14	810

8 Results based on colony count outside the acceptable range (non-ideal colony count).

01425675 OQUAGA CREEK NEAR NORTH SANFORD, N.Y.

LOCATION.—Lat 42°10'28", long 75°26'25", Broome County, temperature recorder at gaging station on left bank 20 ft (6 m) downstream from culvert on North Sanford Road, 0.2 mi (0.3 km) upstream from outlet of Stilson Pond, 1.5 mi (2.4 km) north of North Sanford and 4.1 mi (6.6 km) upstream from Dry Brook.

DRAINAGE AREA.—4.71 mi² (12.2 km²).

PERIOD OF RECORD.—Chemical analyses: October 1972 to August 1973. March 1974 to September 1975.
Water temperatures: October 1971 to September 1975.

EXTREMES.—1974-75:

Water temperatures: Maximum, 18.5°C June 23, minimum, freezing point on Jan. 24-27.

Period of record:

Water temperatures: Maximum, 21.0°C June 30, July 1, 1971 and July 23, 24, 1972; minimum, freezing point on many days during winter periods.

REMARKS.—Water temperature record unreliable Dec. 29 to Jan. 23. Clock stopped Mar. 12-25, range in temperature 1.5°C to 6.0°C.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DIS-SOLVED SILICA (SIO ₂) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG)	DIS-SOLVED MAGNESIUM (MG)	TOTAL SODIUM (NA) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)
OCT.											
31...	0930	1.5	4.3	3700	190	8.2	--	2.4	--	2.5	--
NOV.											
13...	1550	26	3.8	4700	240	6.8	--	1.5	--	1.6	--
DEC.											
11...	1630	14	4.0	830	50	5.0	--	1.4	--	1.8	--
FEB.											
05...	1415	E10	3.8	700	40	8.5	--	1.5	--	2.2	--
20...	0930	4.7	3.7	250	30	5.7	--	1.4	--	3.6	--
MAR.											
25...	1515	27	3.3	690	40	5.4	--	.9	--	1.6	--
APR.											
16...	1600	6.8	3.1	520	20	5.6	--	1.2	--	2.2	--
MAY											
21...	1700	5.2	3.9	3000	100	7.5	--	1.8	--	2.1	--
JUNE											
26...	1400	1.5	4.3	590	60	7.5	--	2.1	--	2.8	3.3
JULY											
31...	1000	1.2	--	--	--	--	9.6	--	2.5	--	2.5
AUG.											
20...	1230	2.4	--	--	--	--	9.0	--	1.9	--	2.0
SEP.											
17...	1300	.62	--	--	--	--	14	--	2.0	--	--

DATE	TOTAL POTASSIUM (K) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)	CARBONATE (CO ₃) (MG/L)	ALKALINITY AS CaCO ₃ (MG/L)	DIS-SOLVED SULFATE (SO ₄) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL FLUORIDE (F) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)
OCT.										
31...	1.0	--	23	0	19	11	2.6	.1	--	.06
NOV.										
13...	.9	--	6	0	5	9.5	3.0	.2	--	.15
DEC.										
11...	.4	--	6	0	5	10	2.5	.1	--	.19
FEB.										
05...	.8	--	12	0	10	9.0	2.8	.0	--	.16
20...	.6	--	16	0	13	8.7	5.4	.1	--	.24
MAR.										
25...	.5	--	8	0	7	8.9	2.5	.1	--	.15
APR.										
16...	.4	--	8	0	7	7.4	3.0	.1	--	.08
MAY										
21...	.7	--	13	0	11	7.7	2.7	.2	--	.03
JUNE										
26...	.5	--	28	0	23	8.4	2.7	--	.2	.14
JULY										
31...	--	.6	35	0	29	7.0	2.4	--	--	.04
AUG.										
20...	--	.4	23	0	19	7.7	1.7	--	--	.03
SEP.										
17...	--	.7	43	0	35	8.9	1.2	--	--	.14

DELAWARE RIVER BASIN

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01425675 OQUAGA CREEK NEAR NORTH SANFORD, N.Y.—Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)
OCT. 31...	.00	.06	--	--	--	--	--	--	--	--
NOV. 13...	.01	.16	--	--	--	--	--	--	--	--
DEC. 11...	.00	.19	--	--	--	--	--	--	--	--
FEB. 05...	.00	.16	--	--	--	--	--	--	--	--
MAR. 20...	.00	.24	--	--	--	--	--	--	--	--
APR. 25...	.01	.16	--	--	--	--	--	--	--	--
MAY 16...	.00	.08	--	--	--	--	--	--	--	--
JUNE 21...	.01	.04	--	--	--	--	--	--	--	--
JULY 26...	.00	.14	--	--	--	--	--	--	--	--
AUG. 31...	.00	.04	.00	.26	.26	.30	.03	.01	56	18
SEP. 20...	.01	.04	.00	.11	.11	.15	.01	.01	48	7
SEP. 17...	.00	.14	.00	.11	.11	.25	.03	.01	56	21

DATE	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
OCT. 31...	--	--	90	7.0	11.0	--	11.3	104	820	840
NOV. 13...	--	--	60	6.6	5.0	--	12.4	97	206	740
DEC. 11...	--	--	61	7.0	4.0	--	13.0	99	--	818
FEB. 05...	--	--	57	7.2	.0	--	14.6	102	<2	83
MAR. 20...	--	--	68	7.3	.5	--	14.1	107	84	811
APR. 25...	--	--	46	7.1	7.0	--	12.1	100	<1	87
MAY 16...	--	--	51	7.3	11.0	--	10.8	99	83	82
JUNE 21...	--	--	58	7.3	18.5	--	9.2	98	811	42
JULY 26...	--	--	80	6.9	16.5	--	9.9	103	100	68
AUG. 31...	34	6	88	7.0	17.5	7	9.5	99	88	110
SEP. 20...	30	11	72	7.2	14.0	2	9.6	97	41	49
SEP. 17...	43	8	97	7.4	12.0	6	10.6	99	21	49

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DELAWARE RIVER BASIN

01425675 OQUAGA CREEK NEAR NORTH SANFORD, N.Y.—Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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

DELAWARE RIVER BASIN

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01426500 WEST BRANCH DELAWARE RIVER AT HALE EDDY, N.Y.

LOCATION.--Lat 42°00'11", long 75°23'02" Delaware County, temperature recorder at gaging station at bridge on County Highway 56 in Hale Eddy, 9 mi (14 km) upstream from confluence of East and West Branches at Hancock.

DRAINAGE AREA.--593 mi² (1,536 km²).

PERIOD OF RECORD.--Chemical analyses: October 1957 to September 1959, May 1970 to May 1975 (discontinued).
Water temperatures: October 1967 to September 1975.

EXTREMES.--1974-75:
Water temperatures: Maximum, 28.5°C July 18.

Period of record:
Water temperatures: Maximum, 30.5°C July 22, 23, 1972.

REMARKS.--No water temperature record Nov. 6 to Mar. 31. New York State Water Quality Surveillance Network station number 14 0080.

COOPERATION.--Water temperature recorder graph furnished by the Board of Water Supply, City of New York.

REVISIONS.--Revised figures for winter temperatures for water year 1974 superceding those previously published are given herewith:

TEMPERATURE (°C) OF WATER

	Maximum	Minimum
July 22, 1974	13.0	14.0
Aug. 7, 1974		13.5
Sept. 27, 1974		13.5
Sept. 30, 1974		13.5

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
OCT. 16...												
NOV. 20...	1000	520	120	3000	8.2	1.9	8.5	1.5	20	0	16	9.9
DEC. 11...	1700	1410	100	10	6.0	1.2	1.5	.1	9	0	7	7.8
JAN. 30...	0930	4130	620	90	6.4	2.0	3.0	.8	17	0	14	10
FEB. 19...	1300	2270	170	40	6.8	2.1	3.0	1.3	17	0	14	9.4
MAR. 20...	1640	650	110	20	9.3	1.9	4.2	1.1	19	0	16	9.3
APR. 17...	0930	1600	3000	180	5.4	1.7	2.8	1.1	9	0	7	8.9
MAY 14...	1000	1250	3200	60	5.0	1.5	2.8	.8	14	0	11	7.6
	1630	1920	140	50	5.2	1.8	2.2	.7	16	0	13	9.1

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	FIXED NON-FILTERABLE RESIDUE (MG/L)
OCT. 16...												
NOV. 20...	4.4	.39	.00	.39	.09	.08	.17	.56	.02	.00	3	0
DEC. 11...	2.2	.27	.00	.27	.00	.15	.15	.42	.00	.01	0	0
JAN. 30...	3.6	.48	.00	.48	.03	.20	.23	.71	.03	.01	10	4
FEB. 19...	3.6	.49	.01	.50	.01	.30	.31	.81	.03	.01	0	0
MAR. 20...	6.5	.59	.01	.60	.04	.06	.10	.70	.02	.01	5	3
APR. 17...	4.6	.43	.01	.44	.12	.36	.48	.92	.14	.03	10	8
MAY 14...	4.1	.59	.01	.60	.02	.17	.19	.79	.03	.01	3	0
	4.3	.44	.01	.45	.08	.30	.38	.83	.04	.01	7	7

CONTINUED NEXT PAGE

DELAWARE RIVER BASIN

01426500 WEST BRANCH DELAWARE RIVER AT HALE EDDY, N.Y.--Continued

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TOTAL RESIDUE (MG/L)	RESIDUE ON IGNITION (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	FECHL COLIFORM PER 100 ML
OCT. 16...	60	41	83	6.8	11.0	2	2	11.3	97	6	4.8	50
NOV. 20...	30	30	52	6.9	8.0	2	1	11.8	100	1	3.3	50
DEC. 11...	56	41	87	7.3	5.0	7	4	12.5	98	4	2.6	50
JAN. 30...	46	46	71	7.4	2.0	10	2	14.6	107	9	1.7	50
FEB. 19...	47	35	83	8.5	3.0	7	2	14.7	110	6	2.6	50
MAR. 20...	50	40	62	7.0	3.0	20	50	13.4	102	20	4.6	50
APR. 17...	34	24	72	7.8	4.5	4	1	14.2	109	7	1.6	50
MAY 14...	43	28	68	8.9	15.0	2	3	11.8	117	6	2.4	50

WATER TEMPERATURE (°C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCTOBER		NOVEMBER	
	MAX	MIN	MAX	MIN
1	14.5	14.0	10.5	8.5
2	14.0	13.0	13.0	10.0
3	13.0	12.0	12.0	10.0
4	13.5	11.5	11.0	10.5
5	15.5	11.5	10.5	9.5
6	16.0	12.0	---	---
7	14.0	12.0	---	---
8	14.5	10.5	---	---
9	13.5	10.5	---	---
10	13.5	10.5	---	---
11	15.0	10.5	---	---
12	14.5	10.5	---	---
13	14.5	12.0	---	---
14	12.0	11.0	---	---
15	13.0	11.0	---	---
16	11.5	10.5	---	---
17	12.0	10.0	---	---
18	11.0	8.5	---	---
19	9.5	6.5	---	---
20	8.5	6.5	---	---
21	8.5	5.5	---	---
22	11.0	5.5	---	---
23	9.5	7.0	---	---
24	11.0	6.0	---	---
25	8.5	6.5	---	---
26	10.5	6.5	---	---
27	10.0	6.0	---	---
28	9.5	6.0	---	---
29	11.0	7.0	---	---
30	11.5	9.0	---	---
31	13.5	10.5	---	---
MONTH	16.0	5.5	---	---

B Results based on colony count outside the acceptable range (non-ideal colony count).

DELAWARE RIVER BASIN

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01426500 WEST BRANCH DELAWARE RIVER AT HALE EDDY, N.Y.—Continued

WATER TEMPERATURE (°C), WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1												
2	5.0											
3	4.5	1.5	10.0	5.5	20.5	18.0	26.5	18.5	25.0	13.0	15.5	14.0
4	3.0	1.5	9.0	5.5	23.0	15.0	26.5	18.5	14.5	8.5	16.0	13.5
5	2.0	1.5	11.0	4.5	21.0	16.5	24.0	11.5	11.0	6.5	18.5	13.0
6	2.0	1.0	8.0	6.0	21.0	16.0	14.5	7.0	13.0	6.5	18.0	13.5
7			11.0	6.0	19.0	14.5	14.5	6.0	13.5	8.5	20.0	13.5
8	2.0	1.0	8.5	6.5	16.0	13.5	18.0	7.0	9.0	6.0	19.0	15.5
9	2.0	1.0	10.5	6.5	16.0	13.5	25.0	16.0	13.5	9.0	21.0	14.5
10	4.5	1.0	10.0	6.5	16.5	13.5	27.0	15.0	20.5	13.0	21.5	16.0
11	5.0	1.0	10.5	6.5	18.5	14.5	15.5	9.0	19.5	11.0	18.5	13.5
12			10.5	7.0	20.0	14.5	15.0	7.0	23.5	16.0	18.5	11.0
13	5.5	1.0	11.5	8.0	19.0	14.5	13.0	6.5	26.0	19.0	18.0	12.0
14	5.0	1.5	10.0	7.0	16.0	14.5	13.0	6.5	25.0	19.5	16.5	7.0
15	4.0	1.0	11.5	8.0	19.5	15.0	11.0	8.5	21.5	11.5	10.5	6.5
16	6.5	1.0	14.5	9.5	19.5	14.5	16.0	10.5	15.0	8.0	12.0	6.5
17	5.0	2.0	15.0	10.5	21.0	16.0	23.5	15.5	10.5	5.5	14.0	9.0
18	6.0	3.0	14.0	9.5	18.5	16.5	26.0	20.0	9.5	5.5	13.5	10.0
19	8.0	3.0	15.5	11.0	23.0	17.0	27.0	20.5	13.0	8.0	16.5	12.0
20	6.0	3.0	14.0	11.5	23.5	17.0	28.5	21.5	15.0	9.0	14.5	11.0
21	6.5	4.5	16.0	13.0	23.5	17.0	23.5	13.0	14.0	6.5	11.0	8.5
22	5.0	3.5	18.5	13.0	23.5	17.0	22.0	18.0	14.0	6.0	11.0	8.0
23	6.5	2.0	18.5	13.5	24.0	17.0	24.5	19.0	12.0	5.5	16.0	8.5
24	8.0	2.0	19.5	14.5	25.0	18.0	26.5	19.5	10.0	5.5	15.0	11.5
25	9.0	3.0	21.0	16.5	25.5	19.0	26.0	16.5	9.5	5.0	14.0	12.0
26	6.0	4.5	21.5	16.0	26.5	20.0	25.5	20.5	9.0	5.5	13.0	12.0
27	5.5	4.5	23.5	19.0	26.0	20.0	24.0	20.5	15.0	7.0	12.0	11.5
28	8.0	3.5	21.5	16.5	24.0	20.0	25.0	18.5	18.0	13.5	14.5	11.5
29	6.5	3.5	19.5	15.5	21.5	19.0	25.5	19.0	23.0	15.0	15.5	14.5
30	8.5	3.0	21.0	13.5	20.5	18.5	25.5	20.0	15.0	7.0	15.5	14.5
31	7.0	4.0	22.0	14.5	21.0	15.5	26.0	19.5	9.5	6.0	16.0	14.0
MONTH	13.0	5.0	19.0	16.0	26.5	19.0	27.0	19.5	14.5	7.0	16.0	14.5
		---	23.0	16.5	---	---	28.0	20.0	16.5	13.5	---	---
	13.0	1.0	23.5	4.5	26.5	13.5	28.5	6.0	26.0	5.0	21.5	6.5

01427000 WEST BRANCH DELAWARE RIVER AT HANCOCK, N.Y.

LOCATION.--Lat 41°57'08", long 75°17'31", Delaware County, N.Y.--Wayne County, Pa., at former gaging station, at bridge at end of Pennsylvania State Highway 191 in Hancock and 1.3 mi (2.1 km) upstream from confluence with East Branch.

DRAINAGE AREA.--648 mi² (1,678 km²).

PERIOD OF RECORD.--Chemical analyses: May 1973 to April 1975 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1974 TO APRIL 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DIS-SOLVED SILICA (SiO ₂) (MG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)	CARBONATE (CO ₃) (MG/L)	ALKALINITY AS CaCO ₃ (MG/L)	DIS-SOLVED SULFATE (SO ₄) (MG/L)
OCT. 31...	1635	260	.9	7.1	1.8	2.8	.7	19	0	16	11
DEC. 05...	1030	640	--	6.2	2.0	--	--	18	0	15	--
JAN. 09...	1540	1100	2.5	9.0	1.8	3.0	1.0	14	0	11	8.0
MAR. 13...	0905	700	--	7.0	1.7	--	--	15	0	12	--
APR. 23...	1520	1080	2.1	6.3	1.8	2.6	.9	15	0	12	7.3

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
OCT. 31...	3.8	.1	.29	.00	.29	.09	.09	.18	.47	.01	.01
DEC. 05...	--	--	.47	.00	.47	.02	.28	.30	.77	.02	.01
JAN. 09...	6.2	.2	.46	.00	.46	.06	.51	.57	1.0	.03	.01
MAR. 13...	--	--	.61	.01	.62	.04	.07	.11	.73	.03	.05
APR. 23...	4.4	.1	.57	.01	.58	.00	.09	.09	.67	.02	.01

DATE	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	TOTAL RESI-DUE (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	BIO-CHEM-ICAL OXYGEN DEMAND 5 DAY (MG/L)	CHLORO-PHYLL A (UG/L)	CHLORO-PHYLL B (UG/L)	FECAL COLI-FORM (COL PER 100 ML)
OCT. 31...	0	41	55	8.2	14.0	10.7	105	1.3	3.60	.000	815
DEC. 05...	3	49	78	7.2	2.0	14.0	102	.4	4.00	4.00	96
JAN. 09...	17	55	72	7.5	2.0	13.3	97	.6	8.00	4.00	240
MAR. 13...	5	35	71	7.4	3.0	13.0	98	.8	2.50	3.50	190
APR. 23...	9	37	69	8.2	9.0	13.0	112	1.2	4.40	13.0	<1

B Results based on colony count outside the acceptable range (non-ideal colony count).

01427207 DELAWARE RIVER AT LORDVILLE, N.Y.

LOCATION.--Lat 41°52'05", long 75°12'50", Delaware County, temperature recorder at Lordville-Equinuck interstate bridge at Lordville, 50 ft (15 m) downstream from Humphries Brook and 6.5 mi (10.4 km) southeast of Hancock.

DRAINAGE AREA.--1,587 mi² (4,110 km²).

PERIOD OF RECORD.--Water temperatures: October 1967 to August 1971, June 1973 to September 1975.

EXTREMES.--1974-75:
Water temperatures: Maximum, 29.5°C Aug. 1.

Period of record:
Water temperatures: Maximum (1967-70, 73, 75) 29.5°C Aug. 1, 1975; minimum (1967-71, 74), freezing point on many days during winter periods.

REMARKS.--No record or unreliable record Oct. 1 to Apr. 30.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	MAY			JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	13.0	10.0	11.5												
2	11.0	9.0	9.5												
3	12.5	9.0	10.5												
4	12.0	9.5	11.0												
5	12.0	9.0	10.5												
6	11.5	9.5	10.5												
7	12.5	9.0	10.5												
8	12.0	9.5	11.0												
9	13.5	9.5	11.5												
10	13.5	10.5	12.0												
11	13.5	11.5	12.5												
12	13.5	11.0	12.5												
13	14.0	11.5	13.0												
14	15.5	12.5	14.0												
15	15.5	13.5	14.5												
16	15.5	14.0	15.0												
17	16.0	13.5	15.0												
18	15.5	14.0	14.5												
19	17.5	14.5	16.0												
20	19.0	16.0	17.5												
21	19.0	17.5	18.5												
22	19.5	17.5	18.5												
23	22.0	18.5	20.0												
24	23.5	20.5	22.0												
25	22.5	20.5	21.5												
26	21.5	19.5	20.5												
27	22.0	20.0	21.0												
28	22.0	18.5	20.0												
29	22.5	18.5	20.5												
30	21.0	18.0	19.5												
31	21.5	17.5	20.0												
MONTH	23.5	9.0	15.5												
1				23.5	22.0	24.0	29.5	26.0	27.5	17.0	16.0	16.0			
2				26.0	22.0	24.0	29.0	23.5	25.0	16.5	15.5	16.0			
3				26.0	24.0	24.5	23.5	21.5	22.5	17.5	15.0	16.0			
4				25.0	24.0	24.5	21.5	19.0	20.0	18.0	15.5	16.5			
5				23.5	21.0	22.5	24.0	18.5	21.0	19.5	16.5	18.0			
6				23.0	19.5	21.5	24.0	18.5	21.0	20.0	18.5	19.0			
7				23.5	20.5	22.0	23.0	15.0	19.5	20.5	17.5	19.0			
8				25.5	21.5	23.5	16.0	14.5	15.0	20.5	18.5	19.5			
9				26.0	23.5	24.5	20.5	16.0	18.0	20.0	17.0	18.5			
10				26.0	23.5	25.0	24.0	18.0	20.5	17.5	15.0	16.5			
11				23.5	20.0	22.0	24.5	21.5	23.0						
12				23.5	21.0	22.5	26.0	23.0	24.5	17.0	15.5	16.5			
13				21.0	19.0	20.0	27.0	24.0	25.0	18.0	16.0	17.5			
14				20.0	19.5	20.0	25.5	23.5	24.5	16.0	12.5	13.5			
15				20.0	19.0	19.5	24.5	22.5	23.5	14.0	11.5	13.0			
16				24.5	20.0	22.0	22.5	17.0	20.5	14.0	12.0	13.0			
17				25.0	23.5	24.0	17.0	13.5	14.5	14.0	13.0	13.5			
18				27.5	24.0	25.5	18.0	13.0	15.5	16.0	13.5	14.5			
19				28.0	25.0	26.5	21.0	18.0	19.0	15.5	15.0	15.0			
20				27.0	25.5	26.0	20.5	18.5	19.5	14.5	14.5	14.5			
21				26.0	24.5	25.0	20.5	17.5	19.0	15.0	13.5	14.5			
22				24.5	21.5	22.5	19.0	16.0	17.0	16.0	14.5	15.0			
23				24.0	21.0	22.5	17.0	14.5	16.0	16.0	15.0	16.0			
24				25.5	21.5	23.5	14.5	12.5	14.0	15.0	13.5	14.0			
25				26.0	23.5	24.5	14.0	12.0	13.0	13.5	12.5	13.0			
26				25.0	23.5	24.5	18.5	13.5	16.0						
27				24.0	21.0	22.5	23.5	18.0	20.0	14.0	12.5	13.0			
28				24.5	21.0	22.5	24.0	21.0	22.5	15.0	14.0	14.5			
29				25.5	22.5	24.0	20.5	20.5	21.5	15.0	13.0	14.0			
30				26.0	23.0	24.5	20.5	15.5	17.5	---	---	---			
31				26.0	23.0	24.5	17.0	14.5	15.5	---	---	---			
MONTH				27.5	24.5	26.0	17.5	16.0	17.0	20.5	11.5	15.5			
	27.0	14.0	20.0	28.0	19.0	23.5	29.5	12.0	19.5						

01427405 DELAWARE RIVER NEAR CALLICOON, N.Y.

LOCATION.--Lat 41°46'14", long 75°05'03", Sullivan County, temperature recorder at gaging station 500 ft (152 m) downstream from Hollister Creek, 1.3 mi (2.1 km) northwest of Callicoon and 1.4 mi (2.3 km) upstream from Callicoon Creek.

DRAINAGE AREA.--1,706 mi² (4,419 km²).

PERIOD OF RECORD.--Water temperatures: October 1967 to July 1975 (discontinued).

EXTREMES.--Period of record:

Water temperatures (1967-73): Maximum, 31.5°C July 23, 1972, Aug. 30,31, 1973; minimum, freezing point on many days during winter periods.

REMARKS.--Water temperature record unreliable Oct. 1 to Mar. 7.

TEMPERATURE (°C) OF WATER, MARCH TO JULY 1975

DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1				---	---	---	5.5	2.5	4.0	10.5	9.5	10.5
2				---	---	---	5.5	4.0	4.5	11.0	9.0	10.0
3				---	---	---	4.5	3.0	4.0	12.0	8.5	10.0
4				---	---	---	3.0	1.0	1.5	10.5	9.5	10.0
5				---	---	---	1.5	1.0	1.0	11.0	8.5	10.0
6				---	---	---	2.0	1.0	1.5	10.5	9.0	10.5
7				---	---	---	2.0	1.5	1.5	10.5	8.5	10.5
8				3.5	1.0	2.0	3.0	1.5	2.0	11.5	10.0	11.0
9				1.5	0.0	0.5	4.0	2.0	3.0	12.0	10.0	12.0
10				0.0	0.0	0.0	5.5	3.0	4.0	12.5	11.0	12.0
11				1.5	0.0	0.5	6.0	4.0	5.0	13.0	11.5	12.0
12				1.5	1.0	1.0	6.5	4.5	5.0	12.5	11.5	12.0
13				3.5	1.5	2.0	5.5	4.0	4.5	13.0	11.5	13.0
14				1.5	0.0	1.0	6.5	3.0	4.5	14.0	12.0	14.0
15				2.5	0.0	1.0	7.0	5.0	6.0	14.5	13.0	14.0
16				3.0	0.0	1.0	8.5	5.5	7.0	15.5	14.0	14.5
17				6.0	1.0	3.0	10.5	6.5	8.0	15.5	13.0	14.5
18				7.0	2.5	4.5	10.0	7.5	8.5	15.0	13.5	15.0
19				5.5	4.0	4.5	9.5	8.0	8.5	16.5	13.5	17.0
20				4.5	2.5	3.5	8.5	6.5	8.0	19.0	16.0	17.0
21				3.0	1.5	2.0	8.0	6.0	6.5	19.0	17.5	18.0
22				3.0	3.0	3.0	9.0	5.0	7.0	20.5	17.0	18.5
23				4.5	3.0	3.5	11.0	6.0	8.0	22.0	18.0	19.5
24				4.0	3.0	3.5	9.0	8.5	9.0	24.0	20.0	21.0
25				4.5	3.0	3.5	9.0	8.0	8.5	23.0	20.0	21.0
26				4.5	2.0	4.0	10.5	7.5	8.5	22.0	18.5	20.0
27				2.0	0.5	1.5	9.5	7.5	8.0	22.5	19.0	21.0
28				2.5	1.0	1.5	10.0	6.0	8.0	24.0	18.5	21.0
29				2.5	2.0	2.5	9.0	7.5	8.0	24.0	18.0	19.0
30				3.0	2.0	2.5	13.0	7.5	10.0	20.5	18.0	20.0
31				3.5	1.5	2.5	---	---	---	23.5	17.5	20.0
MONTH				---	---	---	13.0	1.0	6.0	24.0	8.5	15.0
DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	21.0	19.0	20.0	27.5	20.0	24.0						
2	23.5	18.0	20.5	28.0	20.5	24.5						
3	21.5	18.5	20.0	25.5	22.5	24.0						
4	22.0	17.5	19.5	27.5	21.5	24.5						
5	19.0	15.5	17.5	27.5	21.0	24.5						
6	15.5	14.5	15.0	27.5	21.5	24.5						
7	15.0	14.0	14.5	28.0	22.0	24.5						
8	15.0	13.5	14.0	28.0	22.5	25.0						
9	16.5	14.0	15.0	---	---	---						
10	18.5	15.0	16.5	---	---	---						
11	19.0	16.0	17.5	---	---	---						
12	17.0	15.0	16.0	---	---	---						
13	16.0	14.5	15.0	---	---	---						
14	17.5	16.0	17.0	---	---	---						
15	18.5	17.5	18.0	---	---	---						
16	18.0	17.5	18.0	---	---	---						
17	20.0	17.0	18.5	---	---	---						
18	22.5	19.0	20.5	---	---	---						
19	23.0	20.5	21.5	---	---	---						
20	23.5	20.0	21.5	---	---	---						
21	24.5	19.5	21.5	---	---	---						
22	25.5	20.0	22.5	---	---	---						
23	27.0	21.5	24.0	---	---	---						
24	28.5	23.0	25.5	---	---	---						
25	28.0	23.0	25.5	---	---	---						
26	25.5	23.0	24.0	---	---	---						
27	23.0	20.5	21.5	---	---	---						
28	23.5	20.0	21.0	---	---	---						
29	26.0	20.0	23.0	---	---	---						
30	27.5	21.5	24.0	---	---	---						
31	---	---	---	---	---	---						
MONTH	28.5	13.5	19.5	---	---	---						

DELAWARE RIVER BASIN

01427500 CALLICOON CREEK AT CALLICOON, N.Y.

LOCATION.--Lat 41°45'39", Long 75°02'55", Sullivan County, at gaging station, 0.7 mi (1.1 km) southeast of Callicoon, 0.9 mi (1.4 km) upstream from mouth and 1.0 mi (1.6 km) southwest of Hortonville.

DRAINAGE AREA.--111 mi² (287 km²).

PERIOD OF RECORD.--Chemical analyses, May 1973 to April 1975 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1974 TO APRIL 1975

DATE	TIME	INSTANTANEOUS DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
OCT. 31...	1455	71									
DEC. 18...	1315	207	1.4	9.0	1.5	3.1	1.0	22	0	18	11
JAN. 09...	1135	1070	--	7.2	1.5	--	--	17	0	14	--
MAR. 12...	1550	140	2.4	8.5	2.2	3.5	2.0	18	0	15	8.2
APR. 23...	1220	106	--	7.8	1.5	--	--	13	0	11	--
			2.2	7.4	1.5	3.0	1.1	17	0	14	9.3

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
OCT. 31...	4.8	.1	.55	.00	.55	.08	.16	.24	.79	.02	.01
DEC. 18...	--	--	.97	.00	.97	.08	.46	.54	1.5	.02	.02
JAN. 09...	5.0	.3	.74	.01	.75	.43	.31	.74	1.5	.25	.07
MAR. 12...	--	--	1.1	.01	1.1	.03	.10	.13	1.2	.02	.01
APR. 23...	5.9	.1	3.4	.01	3.4	.01	.11	.12	3.5	.01	.01

DATE	TOTAL NON-FILTERABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIO-CHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	CHLORO-PHYLL A (UG/L)	CHLORO-PHYLL B (UG/L)	FECAL COLIFORM (COL. PER 100 ML)
OCT. 31...	3	53	93	8.2	13.0	11.4	109	.4	1.20	.000	880
DEC. 18...	2	47	83	7.6	2.0	14.0	102	1.0	.500	4.00	842
JAN. 09...	162	230	82	7.2	1.0	14.4	102	3.2	22.0	12.0	B2500
MAR. 12...	4	47	81	7.3	2.0	14.0	102	.4	.500	2.00	46
APR. 23...	2	49	83	7.4	10.0	12.9	115	.8	2.00	4.00	81

B Results based on colony count outside the acceptable range (non-ideal colony count).

DELAWARE RIVER BASIN

01427510 DELAWARE RIVER AT CALLICOON, N.Y.

LOCATION.--Lat 41°45'24", long 75°03'30", Wayne County, Pennsylvania, water temperature recorder at gaging station, 0.5 mi (0.8 km) downstream from Callicoon Creek, 0.5 mi (0.8 km) downstream from Interstate Bridge no. 7, and 0.8 mi (1.1 km) southeast of Callicoon.

DRAINAGE AREA.--1,822 mi² (4,719 km²).

PERIOD OF RECORD--June to September 1975.

REMARKS.--Water temperature recorder installed June 26, 1975. No record July 2-22, July 30-Aug. 6.

TEMPERATURE (°C) OF WATER, JUNE TO SEPTEMBER 1975

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	25.0	20.0	23.5	---	---	---	17.5	16.5	17.0
2	---	---	---	---	---	---	---	---	---	17.0	16.0	16.5
3	---	---	---	---	---	---	---	---	---	18.0	15.0	17.5
4	---	---	---	---	---	---	---	---	---	19.5	15.0	18.0
5	---	---	---	---	---	---	---	---	---	20.0	16.5	19.5
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	20.5	18.5	19.0	20.5	18.0	19.5
8	---	---	---	---	---	---	19.5	16.5	18.0	21.0	18.5	20.0
9	---	---	---	---	---	---	23.0	17.5	20.5	21.0	17.5	18.5
10	---	---	---	---	---	---	25.0	20.5	23.0	19.0	15.5	17.0
11	---	---	---	---	---	---	26.0	22.5	24.5	18.5	15.5	17.5
12	---	---	---	---	---	---	27.5	22.5	24.5	18.5	16.5	18.0
13	---	---	---	---	---	---	28.0	22.0	24.5	17.0	15.0	16.5
14	---	---	---	---	---	---	26.5	23.0	25.0	14.5	12.0	13.5
15	---	---	---	---	---	---	25.5	22.5	24.5	14.5	11.5	13.0
16	---	---	---	---	---	---	24.5	18.5	21.5	15.0	13.0	14.0
17	---	---	---	---	---	---	18.5	16.0	17.0	16.5	14.0	15.0
18	---	---	---	---	---	---	21.5	17.0	19.0	16.0	15.0	15.5
19	---	---	---	---	---	---	22.5	18.0	20.5	15.5	15.0	16.5
20	---	---	---	---	---	---	22.5	18.5	21.0	17.5	15.5	16.5
21	---	---	---	---	---	---	21.5	18.0	20.5	18.5	16.0	17.5
22	---	---	---	---	---	---	21.5	19.5	20.5	17.0	15.0	16.5
23	---	---	---	---	---	---	20.0	17.0	19.0	17.0	15.5	16.5
24	---	---	---	27.0	21.5	24.5	19.0	15.5	16.5	16.5	14.5	15.5
25	---	---	---	26.5	23.0	24.5	19.5	14.5	16.5	14.5	13.0	13.5
26	---	---	---	25.5	21.5	23.5	23.5	18.5	21.0	13.5	13.0	13.0
27	23.0	21.0	21.5	25.0	20.5	23.0	24.0	20.5	22.5	15.0	13.5	14.5
28	22.0	20.0	21.0	26.0	22.5	24.5	24.0	20.0	22.5	15.0	14.0	14.0
29	24.5	20.0	22.5	26.5	22.0	24.5	23.5	20.5	22.0	14.5	13.5	14.5
30	25.5	21.5	23.5	---	---	---	21.5	16.5	18.5	15.0	14.0	14.5
31	---	---	---	---	---	---	18.0	16.5	17.0	---	---	---
MONTH	---	---	---	---	---	---	28.0	14.5	21.0	21.0	11.5	16.0

DELAWARE RIVER BASIN

463

01427705 DELAWARE RIVER AT SKINNERS FALLS, N.Y.

LOCATION.--Lat 41°40'12", long 75°03'28", Sullivan County, temperature recorder at Skinners Falls Interstate Bridge no. 5 at Skinners Falls, 1,000 ft (305 m) downstream from Calkins Creek and 5.3 miles (8.5 km) north of Narrowsburg.

DRAINAGE AREA.--1,902 mi² (4,926 km²).

PERIOD OF RECORD.--Water temperatures: October 1967 to July 1970, June to September 1971, August 1973 to September 1975.

EXTREMES.--1973-74:

Water temperatures: Maximum, 30.5°C Aug. 14; minimum freezing point on many days during winter period.

1974-75:

Water temperature: Maximum, 31.5°C Aug. 2; minimum freezing point on many days during winter period.

Period of record:

Water temperatures: Maximum (1967-69, 71, 73-75), 31.5°C Aug. 2, 1975; minimum (1967-70, 74-75), freezing point on many days during winter periods.

REMARKS.--Unreliable or no record July 30 to Aug. 1, 1974, Jan. 29 to Mar. 14, 1975.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

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

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DELAWARE RIVER BASIN

01427705 DELAWARE RIVER AT SKINNERS FALLS, N.Y.—Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	FEBRUARY			MARCH			APRIL			MAY		MEAN
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	
1	2.5	1.0	1.5	2.5	1.5	2.0	5.0	2.0	3.0	15.5	13.0	14.5
2	1.0	0.0	0.5	2.0	1.0	1.5	4.5	3.5	4.0	13.5	11.0	12.5
3	0.0	0.0	0.0	2.0	1.5	1.5	6.0	3.0	4.5	12.0	10.0	11.0
4	0.0	0.0	0.0	3.0	2.0	2.5	7.5	5.5	6.5	12.0	9.0	10.5
5	0.0	0.0	0.0	4.0	3.0	3.5	7.5	6.0	7.0	12.0	8.5	10.0
6	0.0	0.0	0.0	3.5	3.0	3.5	6.0	3.5	5.0	11.0	9.0	9.5
7	0.0	0.0	0.0	4.5	3.5	4.0	4.5	2.5	3.5	9.0	7.5	8.5
8	0.0	0.0	0.0	4.5	3.5	4.0	5.0	3.5	4.5	10.5	6.5	10.0
9	0.0	0.0	0.0	3.5	2.0	2.5	3.5	2.5	3.0	10.0	9.5	10.0
10	0.0	0.0	0.0	3.5	2.0	2.5	4.0	2.0	3.0	10.5	9.5	10.0
11	0.0	0.0	0.0	3.0	2.0	2.5	6.0	3.0	4.5	13.5	8.5	11.0
12	0.5	0.0	0.0	3.5	2.0	2.5	6.5	5.0	6.0	12.5	11.5	12.0
13	0.5	0.0	0.0	2.0	0.5	1.0	7.5	6.0	6.5	11.0	9.5	10.5
14	0.0	0.0	0.0	2.0	0.0	0.0	8.5	7.0	8.0	11.5	8.5	10.0
15	1.0	0.0	0.0	2.5	0.0	1.5	9.0	6.0	8.0	15.0	11.5	13.5
16	1.0	0.0	0.5	2.5	2.0	2.5	6.5	5.0	6.0	16.0	14.0	15.0
17	0.0	0.0	0.0	2.5	1.5	2.0	7.5	6.0	6.5	16.5	14.0	15.5
18	0.0	0.0	0.0	2.5	0.5	1.5	8.5	7.0	7.5	17.5	15.0	16.0
19	1.0	0.0	0.0	2.5	1.0	2.0	8.5	7.5	8.0	18.0	15.0	16.5
20	0.0	0.0	0.0	4.0	1.0	2.5	9.0	6.5	7.5	17.5	14.0	16.0
21	0.0	0.0	0.0	3.0	1.5	2.5	10.5	7.0	8.5	17.5	14.0	16.5
22	0.0	0.0	0.0	2.5	1.0	1.5	11.0	9.5	10.5	19.0	15.0	17.0
23	0.5	0.0	0.0	4.0	1.0	2.5	11.0	9.5	10.5	19.0	16.0	17.5
24	0.5	0.0	0.0	4.5	3.5	4.0	9.5	7.5	8.5	19.0	17.0	18.0
25	1.0	0.5	1.0	3.0	1.5	2.0	9.0	6.0	8.0	17.5	15.0	16.5
26	1.5	0.0	0.5	3.0	1.0	2.0	11.0	7.5	9.0	16.0	13.5	15.0
27	1.5	0.0	0.5	4.0	1.5	2.5	13.0	8.0	10.5	14.5	12.5	14.5
28	2.0	0.0	0.0	5.0	2.5	3.5	15.0	10.0	12.5	16.5	12.5	14.5
29	---	---	---	4.0	0.0	2.0	17.5	13.5	15.5	15.0	14.0	15.0
30	---	---	---	0.0	0.0	0.0	16.5	15.0	15.5	18.5	13.5	16.5
31	---	---	---	2.0	0.0	1.0	---	---	---	17.5	15.5	16.5
MONTH	2.5	0.0	0.0	5.0	0.0	2.0	17.5	2.0	7.5	19.5	6.5	13.5
DAY	JUNE			JULY			AUGUST			SEPTEMBER		MEAN
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	
1	16.5	15.0	16.0	23.5	19.0	21.5	---	---	---	25.0	20.5	22.5
2	16.0	15.0	15.5	25.0	20.5	22.5	---	---	---	20.0	19.5	19.5
3	18.5	14.5	16.0	26.0	22.0	24.0	27.5	23.5	25.0	22.5	18.5	20.5
4	20.0	16.0	18.0	27.5	23.5	25.5	27.5	25.0	26.5	21.0	16.0	18.5
5	22.0	17.5	19.5	26.5	25.0	25.5	27.0	24.0	25.5	18.0	14.0	16.5
6	22.0	18.5	20.5	27.5	23.5	25.5	27.5	22.5	25.0	17.5	16.0	17.5
7	22.0	18.5	20.5	28.5	23.5	26.0	27.5	23.5	25.0	19.5	17.5	18.5
8	21.5	19.5	20.5	28.5	24.0	26.5	28.5	22.5	25.5	21.5	19.0	20.5
9	25.0	19.5	22.0	29.0	24.5	27.0	27.0	25.0	26.0	22.0	19.0	21.5
10	27.0	22.0	24.5	29.0	25.5	27.0	28.0	24.0	26.0	22.0	19.5	21.5
11	26.5	23.5	25.0	26.0	23.0	24.5	26.5	22.0	24.5	24.5	20.5	22.5
12	23.5	20.5	22.0	25.0	21.5	23.0	27.5	21.0	24.0	26.5	24.0	24.5
13	23.0	18.5	21.0	23.5	20.5	22.0	27.5	23.0	25.0	28.5	20.5	23.5
14	21.0	19.0	20.0	24.5	19.5	22.0	30.5	25.5	27.5	25.5	20.5	23.5
15	20.5	18.0	19.5	24.0	21.5	23.0	29.5	24.0	26.5	22.5	18.5	21.5
16	19.5	17.5	18.5	24.0	20.0	22.0	28.5	23.5	26.0	22.0	18.0	20.0
17	20.5	17.0	18.5	23.5	19.0	21.5	26.5	19.5	23.0	21.0	17.5	19.5
18	21.5	17.5	19.5	24.5	21.5	23.0	21.0	18.0	19.5	21.5	18.5	19.5
19	21.5	18.5	20.0	24.0	21.0	22.5	23.5	17.5	20.5	21.5	18.0	19.5
20	23.5	20.0	21.5	21.5	18.5	21.5	27.0	21.0	23.5	22.5	18.5	20.5
21	22.5	20.0	21.0	21.5	17.5	19.5	29.0	24.0	26.0	20.5	17.5	19.5
22	23.0	19.5	21.0	22.5	17.5	20.0	27.5	24.5	25.5	18.0	15.0	18.5
23	21.5	19.5	20.0	20.5	19.0	20.0	28.5	24.5	26.0	15.0	12.0	13.5
24	20.0	18.0	19.5	19.5	15.0	17.0	26.0	23.5	25.0	14.5	10.5	12.5
25	19.5	17.5	18.5	16.5	14.0	15.0	24.5	20.0	22.5	13.0	11.0	12.0
26	18.5	17.0	17.5	16.5	14.5	16.0	22.5	20.0	21.0	15.0	12.0	13.0
27	20.5	17.0	18.5	19.0	15.5	17.0	25.0	20.0	22.5	17.0	13.0	15.0
28	20.0	18.5	19.0	20.5	17.0	19.0	24.0	22.5	23.0	16.0	15.0	15.5
29	21.5	18.0	19.5	23.0	19.5	21.0	24.0	21.5	23.0	16.5	13.5	15.5
30	22.5	18.5	20.5	---	---	---	23.0	20.5	21.5	15.5	---	14.5
31	---	---	---	---	---	---	22.0	19.0	20.5	---	---	14.5
MONTH	27.0	14.5	20.0	29.0	14.0	22.0	30.5	17.5	24.0	28.5	10.5	18.5

DELAWARE RIVER BASIN

01427705 DELAWARE RIVER AT SKINNERS FALLS, N.Y.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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

DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1												
2												
3				---	---	---	5.5	3.0	4.0	11.5	10.0	10.5
4				---	---	---	6.0	4.0	5.0	11.5	9.5	10.0
5				---	---	---	5.0	3.0	4.5	12.0	8.5	10.5
6				---	---	---	3.0	1.0	2.0	11.0	10.0	10.5
7				---	---	---	2.0	1.0	1.5	11.5	9.0	10.5
8				---	---	---						
9				---	---	---	2.5	1.5	2.0	10.5	10.0	10.0
10				---	---	---	2.0	1.5	2.0	11.0	9.0	10.0
11				---	---	---	3.5	1.5	2.5	12.0	10.0	11.0
12				---	---	---	4.5	2.0	3.0	12.5	10.5	11.5
13				---	---	---	6.0	3.5	4.5	13.5	11.5	12.5
14				---	---	---						
15				---	---	---	7.0	4.0	5.0	13.5	12.0	12.5
16				---	---	---	7.0	4.5	5.5	13.0	12.0	12.5
17				---	---	---	6.0	4.0	5.0	13.5	12.0	12.5
18				---	---	---	7.0	3.5	5.0	15.0	12.5	13.5
19				---	---	---	7.0	5.0	6.0	15.5	13.5	14.5
20				2.0	0.0	1.0	7.0	5.0	6.0	15.5	13.5	14.5
21				2.5	0.0	1.5	9.0	5.5	7.0	16.5	14.5	15.0
22				5.0	1.5	3.0	10.5	6.5	8.5	16.0	13.5	14.5
23				6.0	2.5	4.5	10.0	7.5	9.0	15.5	14.5	15.0
24				5.5	4.5	5.0	10.0	8.5	9.0	17.0	14.0	15.5
25				5.0	2.5	3.5	9.0	7.5	8.5	19.5	16.0	17.5
26												
27				3.0	2.0	2.5	8.0	6.0	7.0	19.5	17.5	18.5
28				3.5	3.0	3.0	9.5	5.0	7.0	20.5	17.5	19.0
29				5.0	3.5	4.0	10.5	6.0	8.5	21.0	18.5	20.0
30				4.5	3.0	4.0	9.5	8.5	9.0	24.0	20.0	22.0
31				5.0	3.0	4.0	9.5	8.5	9.0	22.5	20.5	21.5
MONTH				4.0	2.0	3.0	---	---	---	21.5	18.5	19.5
				4.0	2.0	3.0	---	---	---	22.0	18.0	20.0
				---	---	---	12.5	1.0	6.0	24.0	8.5	15.5

CONTINUED NEXT PAGE

DELAWARE RIVER BASIN

01427705 DELAWARE RIVER AT SKINNERS FALLS, N.Y.—Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	JUNE			JULY			AUGUST			SEPTEMBER	
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN
1	21.5	19.5	20.5	26.0	21.0	23.5	30.5	26.0	28.0	17.5	16.5
2	22.5	18.5	20.5	26.5	21.5	24.0	31.5	27.5	29.5	17.5	16.5
3	21.5	19.0	20.5	25.5	23.0	24.5	30.0	27.5	29.0	18.5	15.5
4	21.5	18.0	20.0	26.5	22.0	24.0	27.5	25.0	26.0	19.0	16.0
5	20.0	16.0	18.0	27.0	22.5	25.0	27.5	23.0	25.5	20.0	17.0
6	16.0	15.0	15.5	27.0	23.5	25.0	25.5	21.0	23.5	21.0	18.5
7	15.0	14.5	15.0	27.5	23.5	25.0	20.5	18.5	19.0	21.5	18.0
8	15.5	14.0	14.5	27.5	23.0	25.5	19.0	17.5	18.0	21.5	19.0
9	17.0	14.0	15.5	26.5	23.5	25.0	24.0	18.0	20.5	20.5	18.0
10	19.0	15.0	16.5	27.0	22.5	24.5	25.0	21.0	23.0	19.5	16.0
11	19.0	16.0	17.5	26.5	24.0	25.5	26.5	23.0	24.0	18.5	16.5
12	17.5	15.5	16.5	25.0	23.0	23.5	27.5	22.5	25.0	18.5	17.0
13	17.0	14.5	15.5	23.0	21.5	22.5	27.0	22.5	24.5	17.0	15.5
14	18.5	16.0	17.0	23.0	21.0	22.0	27.5	23.5	25.0	15.5	13.5
15	19.5	17.5	18.5	24.5	21.0	22.5	26.0	23.0	24.5	15.0	13.0
16	18.5	18.0	18.0	26.5	23.0	24.5	24.0	19.5	22.0	15.0	14.0
17	21.0	17.0	19.0	27.5	24.5	26.0	19.0	16.5	17.5	17.0	14.0
18	23.0	19.5	21.0	28.0	25.0	26.0	22.0	17.0	19.5	16.0	15.0
19	23.5	21.0	22.0	27.0	24.5	25.5	23.0	19.0	21.0	16.0	15.0
20	23.5	20.5	22.0	25.5	22.0	24.0	23.5	19.5	21.5	17.0	15.5
21	23.5	19.5	21.5	24.5	22.0	23.5	22.0	19.5	21.0	18.5	16.0
22	25.0	20.0	22.5	25.0	22.0	23.0	23.0	19.5	21.0	17.5	15.5
23	26.0	21.5	24.0	26.0	22.0	24.0	21.0	18.0	19.5	16.5	16.0
24	27.5	23.5	25.5	26.5	23.5	25.0	19.0	16.0	17.0	16.5	14.5
25	27.0	24.0	25.5	25.5	23.5	24.5	19.5	15.0	17.0	14.5	13.0
26	25.5	23.5	24.5	25.0	21.5	23.5	24.0	18.5	21.0	14.0	13.0
27	23.0	21.0	22.0	25.5	21.0	23.0	24.5	21.0	22.5	15.5	14.0
28	22.5	20.5	21.0	26.0	22.5	24.5	25.0	20.5	22.5	15.0	14.0
29	24.0	20.5	22.0	27.0	22.5	25.0	22.5	21.0	22.0	15.0	13.5
30	26.0	22.0	24.0	27.5	23.0	25.5	21.5	16.5	19.0	15.5	14.0
31	---	---	---	28.5	24.5	26.5	18.0	16.5	17.5	---	---
MONTH	27.5	14.0	20.0	28.5	21.0	24.5	31.5	15.0	22.0	21.5	13.0

DELAWARE RIVER BASIN

467

01427750 DELAWARE RIVER AT NARROWSBURG, N.Y.

LOCATION.--Lat 41°36'34", long 75°03'44", Sullivan County, N.Y.--Wayne County, Pa., at bridge on U.S. Highway 106 in Narrowsburg, 0.1 mi (0.2 km) downstream from Feagles Lake Outlet.

DRAINAGE AREA.--1,913 mi² (4,955 km²).

PERIOD OF RECORD.--Chemical analyses: May 1973 to April 1975 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1974 TO APRIL 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DIS-SOLVED SILICA (SiO ₂) (MG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG)	TOTAL SODIUM (NA) (MG/L)	TOTAL TASSIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)	CARBONATE (CO ₃) (MG/L)	ALKALINITY AS CaCO ₃ (MG/L)	DIS-SOLVED SULFATE (SO ₄) (MG/L)
OCT. 31...	1205	E930									
DEC. 04...	1610	E2600	1.0	7.0	1.4	2.4	.6	17	0	14	9.8
JAN. 09...	0935	E1400	--	6.0	1.5	--	--	13	0	11	--
MAR. 12...	1420	E2100	2.5	7.5	1.6	2.3	.7	19	0	16	9.3
APR. 23...	1045	E3270	--	5.4	1.4	--	--	17	0	14	--
			1.3	7.0	1.9	1.9	.6	13	0	11	9.4

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
OCT. 31...											
DEC. 04...	1.2	.1	.18	.00	.18	.06	.04	.10	.28	.01	.00
JAN. 09...	--	--	.36	.00	.36	.02	.20	.22	.58	.01	.00
MAR. 12...	5.2	.2	.46	.00	.46	.06	.05	.11	.57	.01	.00
APR. 23...	4.3	.1	.52	.01	.53	.03	.03	.06	.59	.02	.04
			.35	.00	.35	.00	.13	.13	.48	.01	.01

DATE	TOTAL NON-FILTERABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIO-CHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	CHLOROPHYLL A (UG/L)	CHLOROPHYLL B (UG/L)	FECAL COLIFORM (COL. PER 100 ML)
OCT. 31...											
DEC. 04...	3	48	72	7.5	13.0	11.4	109	.2	.000	.000	12
JAN. 09...	1	45	68	7.5	2.0	14.6	106	.2	2.80	3.60	27
MAR. 12...	5	44	70	7.3	2.0	14.0	102	.2	2.80	2.80	24
APR. 23...	5	31	65	7.3	2.0	14.0	102	.4	1.00	4.00	811
	0	37	59	7.2	8.0	11.6	99	.1	2.00	5.00	82

^B Results based on colony count outside the acceptable range (non-ideal colony count).
^E Estimated value.

DELAWARE RIVER BASIN

01428500 DELAWARE RIVER ABOVE LACKWAXEN RIVER NEAR BARRYVILLE, N.Y.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---										
2	---	---										
3	---	---	11.0	10.0	21.0	20.0	25.5	21.0	31.5	27.0	19.5	19.0
4	6.0	4.0	11.0	9.5	21.5	19.5	26.5	25.0	32.0	29.0	19.5	18.5
5	4.0	2.0	12.0	9.5	21.5	19.5	25.5	23.5	32.0	29.5	20.0	18.0
6	2.0	1.5	11.5	10.5	21.5	19.5	26.0	22.0	31.0	29.0	20.5	18.0
7			11.0	9.5	20.0	18.0	26.5	22.0	30.0	27.0	21.5	18.5
8	2.0	1.5	11.0	10.5	18.0	15.5	27.0	24.0	29.0	24.5	22.0	20.0
9	3.0	2.0	11.0	9.5	15.5	14.5	27.0	24.0	24.5	21.5	24.0	20.0
10	4.0	2.0	11.5	10.0	15.0	14.0	26.0	24.0	21.5	20.5	23.5	21.0
11	5.0	3.0	12.0	10.5	16.0	14.0	26.5	24.5	24.5	19.5	23.0	20.5
12			13.5	11.5	17.0	15.0	26.0	23.5	26.0	22.0	22.0	19.0
13	6.5	4.5	13.5	12.0	18.0	16.5	26.0	23.0	27.0	24.0	20.0	18.5
14	6.5	5.5	13.0	12.0	18.0	16.0	25.0	23.5	28.5	25.0	20.5	19.0
15	6.5	5.0	13.5	12.0	16.0	15.0	23.5	22.0	28.0	25.5	20.0	18.0
16	6.0	5.0	14.5	13.0	18.0	15.5	23.5	21.5	29.0	25.5	18.0	16.5
17			15.0	13.5	18.5	16.5	25.0	21.5	28.0	24.5	18.0	15.0
18	8.5	6.0	16.0	14.5	18.5	17.0	25.5	23.0	26.0	24.0	16.5	15.5
19	9.5	8.0	15.5	14.0	19.5	17.0	27.0	24.0	24.0	21.0	18.5	15.5
20	10.0	9.0	15.5	14.5	21.5	19.5	27.0	25.0	23.5	20.0	17.0	16.5
21	9.5	8.5	16.0	14.5	23.0	21.0	26.5	24.5	24.5	20.5	18.0	16.5
22			18.5	15.5	23.0	21.0	26.0	24.5	25.5	21.5	19.5	17.0
23	8.5	7.0	19.0	18.5	23.5	20.5	24.5	22.0	24.0	21.5	20.5	18.5
24	8.5	6.5	19.5	18.5	24.0	20.5	24.0	22.0	25.0	22.0	19.5	18.5
25	9.5	8.0	20.5	19.0	25.5	21.5	25.5	24.0	24.5	21.5	19.0	18.5
26	10.0	9.0	22.0	20.0	26.0	23.5	26.0	23.5	23.5	20.5	18.5	17.0
27	10.0	9.5	22.0	20.5	26.5	22.0	25.0	24.0	21.0	19.0	17.0	15.0
28	10.5	9.0	21.5	19.5	25.5	23.5	24.5	21.5	24.0	20.0	15.5	15.0
29	9.5	9.0	21.5	19.5	24.0	21.5	24.5	21.0	26.0	22.0	16.5	15.5
30	9.0	8.5	23.0	19.5	23.0	21.0	25.0	21.5	26.5	22.0	16.5	16.0
31	11.5	8.5	23.0	19.5	24.0	20.5	26.0	22.0	24.5	23.0	16.5	15.5
	---	8.5	21.5	19.5	24.5	21.0	29.0	22.0	24.0	21.0	16.5	15.5
MONTH	11.5	---	21.5	19.0	---	---	30.0	26.0	21.0	18.5	---	---
		1.5	23.0	9.5	26.5	14.0	30.0	21.0	32.0	18.5	24.0	15.0

01431500 LACKAWAXEN RIVER AT HAWLEY, PA.

LOCATION.--Lat 41°28'34", long 75°10'21", Wayne County, at gaging station at bridge in Hawley, 700 ft (213 m) upstream from Wallers Creek, and 3,000 ft (914 m) downstream from Middle Creek.

DRAINAGE AREA.--290 mi² (751 km²).

PERIOD OF RECORD.--Chemical analyses: May 1973 to April 1975 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1974 TO APRIL 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SiO ₂) (MG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)	CARBONATE (CO ₃) (MG/L)	ALKALINITY AS CaCO ₃ (MG/L)	DISSOLVED SULFATE (SO ₄) (MG/L)
OCT. 23...	1650	145	1.8	10	1.7	2.6	1.0	27	0	22	11
DEC. 03...	1505	514	--	10	1.3	--	--	20	0	16	--
JAN. 07...	1340	286	3.6	11	1.4	2.4	.9	20	0	16	11
MAR. 11...	1505	362	--	8.0	1.0	--	--	13	0	11	--
APR. 22...	1450	252	1.9	8.5	1.0	2.6	.7	16	0	13	12

DATE	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
OCT. 23...	3.9	--	.14	.00	.14	.11	.15	.26	.40	.04
DEC. 03...	--	--	.22	.00	.22	.07	.21	.28	.50	.03
JAN. 07...	5.0	.2	.36	.00	.36	.06	.13	.19	.55	.04
MAR. 11...	--	--	.37	.01	.38	.05	.12	.17	.55	.03
APR. 22...	5.0	.2	.16	.00	.16	.00	.09	.09	.25	.03

DATE	TOTAL ORTHOPHOSPHORUS (P) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIO-CHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLIFORM (COL. PER 100 ML)
OCT. 23...	.04	0	61	93	7.8	8.0	12.4	106	.6	24
DEC. 03...	.02	8	65	84	7.3	2.0	13.4	98	.8	B150
JAN. 07...	.02	0	56	87	7.5	1.0	14.2	101	.4	90
MAR. 11...	.01	5	40	71	7.5	3.0	13.0	98	.8	B20
APR. 22...	.02	0	43	75	7.3	11.0	13.0	119	.2	B5

B Results based on colony count outside the acceptable range (non-ideal colony count).

DELAWARE RIVER BASIN

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01431500 LACKAWAXEN RIVER AT HAWLEY, PA.--Continued

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA

PHYTOPLANKTON, OCTOBER 1974 TO APRIL 1975

DATE	TOTAL COUNT Cells/ml	ORGANISMS IDENTIFIED	PERCENT COMPOSITION	DATE	TOTAL COUNT Cells/ml	ORGANISMS IDENTIFIED	PERCENT COMPOSITION
Oct. 23 1974	1,200	<u>Anabaena</u>	38	Dec. 3 1974	660	<u>Fragilaria</u>	21
		<u>Sphaerocystis</u>	17			<u>Nitzschia</u>	15
		<u>Melosira</u>	10			<u>Navicula</u>	15
		<u>Navicula</u>	8			<u>Achnanthes</u>	13
		<u>Cyclotella</u>	7			<u>Diatoma</u>	6
		<u>Scenedesmus</u>	6			<u>Scenedesmus</u>	6
		<u>Neidium</u>	5			<u>Crucigenia</u>	6
		<u>Nitzschia</u>	2			<u>Dactylococcopsis</u>	3
		<u>Achnanthes</u>	2			<u>Cymbella</u>	3
		<u>Asterionella</u>	2			<u>Melosira</u>	3
		<u>Diatoma</u>	2			<u>Gomphonema</u>	1
						<u>Cocconeis</u>	1
						<u>Synedra</u>	1
						<u>Closterium</u>	1
						<u>Tetraedron</u>	1
						<u>Ankistrodesmus</u>	1
Jan. 7 1975	430	<u>Navicula</u>	54	Mar. 11 1975	200	<u>Synedra</u>	45
		<u>Nitzschia</u>	15			<u>Amphora</u>	20
		<u>Cymbella</u>	8			<u>Achnanthes</u>	15
		<u>Achnanthes</u>	4			<u>Nitzschia</u>	10
		<u>Meridion</u>	4			<u>Gomphonema</u>	5
		<u>Melosira</u>	4			<u>Asterionella</u>	5
		<u>Cyclotella</u>	4				
		<u>Euglena</u>	4				
		<u>Ankistrodesmus</u>	4				
Apr. 22 1975	1,100	<u>Cymbella</u>	59				
		<u>Synedra</u>	23				
		<u>Gomphonema</u>	9				
		<u>Navicula</u>	5				
		<u>Achnanthes</u>	5				

01431670 WALLEPAUPACK CREEK AT LEDGEDALE, PA.

LOCATION.--Lat 41°22'04", long 75°19'10", Pike County, at roadside park 0.9 mi (1.4 km) southeast of Ledgesdale and 2.6 mi (4.2 km) downstream from the confluence of East and West Branches.

DRAINAGE AREA.--102 mi² (264 km²).

PERIOD OF RECORD.--Chemical analyses: June 1973 to April 1975 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1974 TO APRIL 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SI02) (MG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	RICINONATE (MCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
OCT. 23...	1515	F150	3.3	8.2	1.2	1.8	.0	17	0	14	9.3
DEC. 03...	1300	F300	--	7.4	1.0	--	--	15	0	12	--
JAN. 07...	1330	F200	3.8	11	1.2	1.4	.6	21	0	17	11
MAR. 11...	1330	F240	--	8.0	1.0	--	--	16	0	13	--
APR. 22...	1640	F170	2.4	8.0	.9	2.1	.5	14	0	11	10

DATE	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJFLODHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
OCT. 23...	3.5	.1	.11	.01	.12	.12	.07	.19	.31	.02	.00
DEC. 03...	--	--	.30	.00	.30	.08	.36	.44	.74	.03	.01
JAN. 07...	5.2	.1	.36	.00	.36	.03	.10	.13	.49	.01	.00
MAR. 11...	--	--	.32	.01	.33	.05	.00	.03	.36	.04	.06
APR. 22...	4.2	.2	.23	.01	.24	.00	.00	.00	.24	.02	.01

DATE	TOTAL NON-FILTERABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	CHLOROPHYLL A (UG/L)	CHLOROPHYLL B (UG/L)	FECAL COLIFORM (COL PER 100 ML)
OCT. 23...	2	44	72	7.3	7.0	12.0	100	.6	6.00	9.00	B3
DEC. 03...	18	72	82	7.0	1.0	13.1	93	.5	4.80	3.60	B120
JAN. 07...	2	43	77	8.1	.0	14.2	99	1.0	2.80	2.00	B5
MAR. 11...	12	41	74	7.3	1.0	13.2	93	.6	1.00	3.00	B10
APR. 22...	0	43	68	7.4	8.0	11.6	97	.0	2.00	2.40	B1

B Results based on colony count outside the acceptable range (non-ideal colony count).

E Estimated value.

DELAWARE RIVER BASIN

LOCATION.--Lat 41°29'12", long 74°59'31", Pike County, at highway bridge in Lackawaxen, 0.3 mi (0.5 km) upstream from mouth.

DRAINAGE AREA.--597 mi² (1,546 km²).

PERIOD OF RECORD.--Chemical analyses: May 1973 to April 1975 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1974 TO APRIL 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SiO ₂) (MG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)	CARBONATE (CO ₃) (MG/L)	ALKALINITY AS CaCO ₃ (MG/L)	DISSOLVED SULFATE (SO ₄) (MG/L)
OCT. 24...											
DEC. 03...	0915	270	1.6	7.5	1.8	3.0	1.0	17	0	14	9.6
JAN. 08...	1620	670	--	7.3	1.2	--	--	16	0	13	--
MAR. 11...	0925	360	2.0	11	1.2	1.5	.6	18	0	15	9.4
APR. 22...	1620	2250	--	6.0	1.0	--	--	10	0	8	--
	1150	290	2.1	9.1	1.4	2.5	.7	15	0	12	11

DATE	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
OCT. 24...											
DEC. 03...	4.1	.1	.04	.00	.04	.12	.16	.28	.32	.01	.01
JAN. 08...	--	--	.18	.00	.18	.07	.27	.34	.52	.02	.01
MAR. 11...	5.0	.1	.14	.00	.14	.10	.17	.27	.41	.01	.01
APR. 22...	--	--	.21	.01	.22	.06	.11	.17	.39	.03	.04
	4.8	.1	.11	.00	.11	.00	.19	.19	.30	.02	.01

DATE	TOTAL NON-FILTERABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	CHLOROPHYLL A (UG/L)	CHLOROPHYLL B (UG/L)	FECAL COLIFORM (COL. PER 100 ML)
OCT. 24...											
DEC. 03...	0	52	72	7.4	6.0	13.0	106	.8	5.60	6.40	15
JAN. 08...	1	56	75	7.4	2.0	13.0	95	.6	5.20	3.60	8110
MAR. 11...	2	44	70	7.4	.0	14.3	99	.0	3.60	2.00	83
APR. 22...	8	35	62	7.3	3.0	13.0	98	.2	1.00	5.50	86
	2	49	68	7.3	10.0	11.5	103	.8	2.00	3.00	82

Results based on colony count outside the acceptable range (non-ideal colony count).

DELAWARE RIVER BASIN

01432160 DELAWARE RIVER AT BARRYVILLE, N.Y.

LOCATION.--Lat 41°28'31", long 74°54'46", Sullivan County, water temperature recorder at Shohola-Barryville Bridge at Barryville, just upstream from Halfway Brook and 1,000 ft (305 m) upstream of Shohola Brook.

DRAINAGE AREA.--2,692 mi² (6,972 km²).

PERIOD OF RECORD.--Chemical quality: October 1957 to September 1958, May 1973 to April 1975 (discontinued).
Water temperatures: October 1967 to September 1973, March to September 1975.

REMARKS.--Water temperature recorder installed Mar. 4, 1975. Water temperature record unreliable June 25 to Aug. 15.

CHEMICAL ANALYSES, OCTOBER 1974 TO APRIL 1975

DATE	TIME	INSTANTANEOUS DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SiO ₂) (MG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)	CARBONATE (CO ₃) (MG/L)	ALKALINITY AS CaCO ₃ (MG/L)	DIS-SOLVED SULFATE (SO ₄) (MG/L)
OCT. 24...	1030	1530	1.5	6.7	1.6	2.5	.8	17	0	14	9.8
DEC. 04...	0830	3660	--	6.1	1.4	--	--	15	0	12	--
JAN. 08...	1015	1660	2.3	9.0	1.6	2.0	.7	19	0	16	10
MAR. 11...	1715	4750	--	6.8	1.0	--	--	12	0	10	--
APR. 22...	1035	4050	1.6	9.0	1.1	2.0	.6	12	0	10	9.0

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
OCT. 24...	3.5	.2	.11	.01	.12	.06	.07	.13	.25	.01	.00
DEC. 04...	--	--	.29	.00	.29	.03	.25	.28	.57	.03	.01
JAN. 08...	5.4	.1	.33	.00	.33	.02	.17	.19	.52	.01	.00
MAR. 11...	--	--	.31	.01	.32	.05	.10	.15	.47	.03	.05
APR. 22...	4.1	.2	.28	.00	.28	.00	.16	.16	.44	.01	.00

DATE	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIO-CHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	CHLORO-PHYLL A (UG/L)	CHLORO-PHYLL B (UG/L)	FECAL COLIFORM (COL. PER 100 ML)
OCT. 24...	0	33	72	7.9	7.0	13.2	110	.6	5.20	6.40	84
DEC. 04...	16	60	70	7.3	1.0	13.2	94	.4	10.0	4.00	94
JAN. 08...	3	54	69	7.8	1.0	14.2	99	.0	2.00	2.80	85
MAR. 11...	6	34	63	7.3	3.0	13.1	98	.8	1.00	3.00	81
APR. 22...	0	43	59	6.9	8.0	11.9	100	.1	3.20	6.40	82

B Results based on colony count outside the acceptable range (non-ideal colony count).

DELAWARE RIVER BASIN

01432805 DELAWARE RIVER AT POND EDDY, N.Y.—Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

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

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	36.0	26.0	29.5	21.0	20.5	21.0
6	---	---	---	---	---	---	32.0	28.0	29.5	22.0	21.0	21.5
7	---	---	---	---	---	---	32.0	29.5	30.5	23.0	21.5	22.0
8	16.0	---	---	---	---	---	30.5	28.5	29.5	23.0	20.0	21.5
9	16.0	16.0	---	---	---	---	30.0	28.0	29.0	22.0	19.0	20.5
10	17.0	15.5	16.0	---	---	---	29.0	25.5	27.5	21.5	19.5	20.5
11	14.5	15.0	15.5	---	---	---	27.5	22.5	24.5	23.0	20.0	21.0
12	18.5	15.0	16.0	---	---	---	24.5	20.5	22.5	23.0	21.0	22.0
13	14.0	16.0	16.5	---	---	---	23.0	19.5	21.5	22.5	20.5	21.5
14	17.5	17.0	17.5	---	---	---	25.0	22.0	23.0	21.0	19.0	20.0
15	18.5	16.5	17.5	---	---	---	26.5	23.5	25.0	20.0	19.0	19.5
16	19.5	17.0	17.0	---	---	---	26.0	24.5	25.0	19.5	18.0	18.5
17	19.5	18.5	17.5	---	---	---	26.5	24.5	25.0	18.0	17.0	17.5
18	20.5	18.0	19.0	---	---	---	26.0	24.0	25.0	---	---	---
19	22.5	18.0	19.0	---	---	---	25.0	22.5	23.5	13.5	12.5	13.0
20	24.0	19.5	19.0	---	---	---	22.5	22.5	22.5	15.0	12.0	13.5
21	24.0	21.0	21.0	---	---	---	24.0	22.0	22.5	14.0	13.5	14.0
22	24.0	21.5	22.5	---	---	---	23.5	21.0	22.5	14.0	13.0	13.5
23	23.5	21.5	23.0	---	---	---	25.0	21.0	22.5	16.0	14.0	14.5
24	24.5	21.0	22.5	---	---	---	---	---	---	---	---	---
25	25.5	22.0	23.5	---	---	---	22.5	21.0	22.0	17.0	15.5	16.0
26	26.0	23.5	24.5	---	---	---	24.0	21.5	22.5	16.5	15.5	16.0
27	26.5	23.5	24.5	---	---	---	23.5	21.5	22.5	16.0	14.5	15.5
28	25.5	25.0	25.5	---	---	---	23.5	21.5	22.5	14.5	13.5	14.0
29	24.5	24.5	25.5	---	---	---	23.0	21.0	22.0	13.5	12.5	13.0
30	22.5	24.5	25.0	---	---	---	---	---	---	---	---	---
31	25.0	23.0	23.0	---	---	---	24.0	22.5	23.0	13.0	12.5	13.0
MONTH	26.5	15.0	20.5	---	---	---	25.0	22.5	23.5	14.5	13.0	13.5
				---	---	---	23.5	23.0	23.0	15.0	14.0	14.5
				---	---	---	25.0	22.5	24.0	15.0	13.5	14.5
				---	---	---	23.5	20.5	21.5	---	---	---
				---	---	---	36.0	19.5	24.5	23.0	12.0	17.0

DELAWARE RIVER BASIN

01432900 MONGAUP RIVER AT MONGAUP VALLEY, N.Y.

LOCATION.--Lat 41°40'07", long 74°46'52", Sullivan County, at bridge on State Highway 17B at Mongaup Valley.

DRAINAGE AREA.--76.5 mi² (198 km²).

PERIOD OF RECORD.--Chemical analyses: May 1973 to April 1975 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1974 TO APRIL 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DIS-SOLVED SILICA (SiO ₂) (MG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)	CARBONATE (CO ₃) (MG/L)	ALKALINITY AS CaCO ₃ (MG/L)	DIS-SOLVED SULFATE (SO ₄) (MG/L)
OCT. 24...	1625	90	3.8	7.5	1.7	6.5	1.0	17	0	14	11
DEC. 04...	1305	165	--	6.2	1.5	--	--	12	0	10	--
JAN. 08...	1620	110	4.5	7.4	1.5	9.6	1.2	15	0	12	12
MAR. 12...	1145	135	--	6.9	1.4	--	--	13	0	11	--
APR. 21...	1600	137	2.7	6.7	1.2	6.1	1.1	13	0	11	10

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
OCT. 24...	9.5	.2	.65	.03	.68	.25	.02	.27	.95	.07
DEC. 04...	--	--	.61	.00	.61	.25	.07	.32	.93	.07
JAN. 08...	17	.0	.82	.00	.82	.26	.21	.47	1.3	.07
MAR. 12...	--	--	.79	.01	.80	.23	.12	.35	1.2	.05
APR. 21...	10	.1	.59	.01	.60	.18	.00	.18	.78	.08

DATE	TOTAL ORTHO-PHOSPHORUS (P) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS) (UNITS)	PH	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIO-CHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLIFORM (COL. PER 100 ML)
OCT. 24...	.07	0	62	103	7.5	7.0	11.2	93	.2	21
DEC. 04...	.05	4	67	97	6.8	1.0	12.9	91	.6	18
JAN. 08...	.01	0	60	123	7.4	1.0	14.1	100	.6	810
MAR. 12...	.03	4	53	89	7.2	2.0	13.2	96	.6	19
APR. 21...	.05	1	53	92	7.1	9.0	12.2	106	1.0	15

B Results based on colony count outside the acceptable range (non-ideal colony count).

01432900 MONGAUP RIVER AT MONGAUP VALLEY, N.Y.--Continued

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA

PHYTOPLANKTON, OCTOBER 1974 TO APRIL 1975

DATE	TOTAL COUNT Cells/ml	ORGANISMS IDENTIFIED	PERCENT COMPOSITION	DATE	TOTAL COUNT Cells/ml	ORGANISMS IDENTIFIED	PERCENT COMPOSITION
Oct. 24 1974	730	<u>Pandorina</u>	35	Dec. 4 1974	360	<u>Scenedesmus</u>	44
		<u>Anabaena</u>	17			<u>Achnanthes</u>	22
		<u>Anacystis</u>	13			<u>Navicula</u>	17
		<u>Navicula</u>	9			<u>Nitzschia</u>	11
		<u>Scenedesmus</u>	9			<u>Ankistrodesmus</u>	6
		<u>Gomphonema</u>	4				
		<u>Cyclotella</u>	4				
		<u>Surirella</u>	2				
		<u>Caloneis</u>	2				
		<u>Cocconeis</u>	2				
		<u>Treubaria</u>	2				
Jan. 8 1975	120	<u>Navicula</u>	50	Mar. 12 1975	150	<u>Navicula</u>	55
		<u>Gomphonema</u>	14			<u>Achnanthes</u>	18
		<u>Cyclotella</u>	14			<u>Gomphonema</u>	9
		<u>Achnanthes</u>	7			<u>Eunotia</u>	9
		<u>Synedra</u>	7			<u>Synedra</u>	9
		<u>Tabellaria</u>	7				
Apr. 21 1975	440	<u>Synedra</u>	42				
		<u>Asterionella</u>	17				
		<u>Cymbella</u>	13				
		<u>Cyclotella</u>	13				
		<u>Gomphonema</u>	4				
		<u>Navicula</u>	4				
		<u>Achnanthes</u>	4				
		<u>Mallomonas</u>	4				

01433005 MONGAUP RIVER BELOW SWINGING BRIDGE RESERVOIR, N.Y.

LOCATION.--Lat 41°34'02", long 74°47'01", Sullivan County, at private bridge, 0.3 mi (0.5 km) upstream from Black Lake Creek and 0.1 mi (0.6 km) downstream from dam and Swinging Bridge Reservoir.

DRAINAGE AREA.--148 mi² (383 km²).

PERIOD OF RECORD.--Chemical analyses: May 1973 to April 1975 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1974 TO APRIL 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SiO ₂) (MG/L)	TOTAL CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO ₃) (MG/L)	CAR- BONATE (CO ₃) (MG/L)	ALKA- LINITY AS CACO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)
OCT.											
24...	1445	570	1.5	5.6	1.3	3.6	.8	13	0	11	8.8
DEC.											
04...	1135	1050	--	4.4	1.0	--	--	10	0	8	--
JAN.											
08...	1510	1510	2.5	6.0	1.3	3.6	1.1	9	0	7	8.8
MAR.											
12...	1035	1000	--	10	1.2	--	--	9	0	7	--
APR.											
21...	1720	580	2.8	4.2	.9	4.4	1.0	7	0	6	9.6

DATE	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL FLUO- RIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
OCT.										
24...	5.4	.2	.15	.02	.17	.28	.24	.52	.69	.05
DEC.										
04...	--	--	.17	.00	.17	.16	.22	.38	.55	.03
JAN.										
08...	6.4	.1	.34	.01	.35	.19	.21	.40	.75	.04
MAR.										
12...	--	--	.52	.01	.53	.27	.17	.44	.97	.06
APR.										
21...	8.5	.1	.48	.01	.49	.13	.19	.32	.81	.04

DATE	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	TOTAL RESI- DUCE (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)
OCT.										
24...	.02	0	43	71	7.1	11.0	9.6	88	.8	84
DEC.										
04...	.01	3	48	62	7.3	5.0	12.7	101	.8	82
JAN.										
08...	.03	1	48	64	7.4	3.0	13.4	101	.6	41
MAR.										
12...	.08	4	44	80	7.2	2.0	12.8	93	.6	83
APR.										
21...	.02	0	46	68	7.1	5.0	12.8	102	1.4	82

B Results based on colony count outside the acceptable range (non-ideal colony count).

01433005 MONGAUP RIVER BELOW SWINGING BRIDGE RESERVOIR, N.Y.--Continued

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA

PHYTOPLANKTON, OCTOBER 1974 TO APRIL 1975

DATE	TOTAL COUNT Cells/ml	ORGANISMS IDENTIFIED	PERCENT COMPO- SITION	DATE	TOTAL COUNT Cells/ml	ORGANISMS IDENTIFIED	PERCENT COMPO- SITION
Oct. 24 1974	6,600	<u>Melosira</u>	80	Dec. 4 1974	2,400	<u>Melosira</u>	45
		<u>Anacystis</u>	9			<u>Cyclotella</u>	13
		<u>Cyclotella</u>	4			<u>Dinobryon</u>	11
		<u>Tabellaria</u>	2			<u>Tabellaria</u>	11
		<u>Scenedesmus</u>	2			<u>Asterionella</u>	9
		<u>Gomphonema</u>	1			<u>Scenedesmus</u>	7
		<u>Synedra</u>	1			<u>Ankistrodesmus</u>	2
		<u>Asterionella</u>	1			<u>Trachelomonas</u>	1
		<u>Nitzschia</u>	<1			<u>Nitzschia</u>	1
		<u>Ankistrodesmus</u>	<1			<u>Synedra</u>	1
Jan. 8 1975	590	<u>Asterionella</u>	54	Mar. 12 1975	39	<u>Gomphonema</u>	22
		<u>Pandorina</u>	31			<u>Navicula</u>	22
		<u>Melosira</u>	10			<u>Synedra</u>	22
		<u>Glenodinium</u>	4			<u>Nitzschia</u>	11
		<u>Cyclotella</u>	2			<u>Glenodinium</u>	11
Apr. 21 1975	360	<u>Closterium</u>	41			<u>Euglena</u>	11
		<u>Cyclotella</u>	20				
		<u>Tabellaria</u>	9				
		<u>Dictyosphaerium</u>	9				
		<u>Synedra</u>	7				
		<u>Glenodinium</u>	5				
		<u>Nitzschia</u>	2				
		<u>Asterionella</u>	2				
		<u>Melosira</u>	2				
		<u>Mallomonas</u>	2				

< - less than 1 Percent; may not have been actually counted.

DELAWARE RIVER BASIN

01433500 MONGAUP RIVER NEAR MONGAUP, N.Y.

LOCATION.--Lat 41°27'41", long 74°45'33", Sullivan County, at gaging station 300 ft (91 m) downstream from Rio hydroelectric plant of Great and Rockland Utilities Inc., 0.5 mi (0.8 km) downstream from Bush Kill, and 2.8 mi (4.5 km) upstream from mouth and Mongaup.

DRAINAGE AREA.--202 mi² (523 km²).

PERIOD OF RECORD.--Chemical analyses: May 1973 to April 1975 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1974 TO APRIL 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CF5)	DIS-SOLVED SILICA (SIO ₂) (MG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNE-SIUM (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTAS-SIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)	CARBONATE (CO ₃) (MG/L)	ALKALINITY AS CaCO ₃ (MG/L)	DIS-SOLVED SULFATE (SO ₄) (MG/L)
OCT. 24...	1155	720	1.7	7.8	1.4	3.6	1.0	8	0	7	8.9
DEC. 04...	1015	732	--	11	1.4	--	--	9	0	7	--
JAN. 08...	1240	716	2.0	7.5	1.3	3.3	1.1	11	0	9	8.4
MAR. 12...	0930	732	--	6.0	1.0	--	--	7	0	6	--
APR. 22...	0915	724	3.0	6.0	1.0	4.6	.9	5	0	4	8.0

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
OCT. 24...	4.8	--	.14	.00	.14	.25	.16	.41	.55	.02	.01
DEC. 04...	--	--	.17	.00	.17	.15	.28	.43	.60	.02	.01
JAN. 08...	5.9	.1	.24	.01	.25	.15	.21	.36	.61	.03	.02
MAR. 12...	--	--	.43	.01	.44	.21	.10	.31	.75	.05	.07
APR. 22...	8.7	.2	.43	.01	.44	.08	.14	.22	.66	.04	.01

DATE	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	TOTAL RESI-DUE (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	BIO-CHEM-ICAL OXYGEN DEMAND 5 DAY (MG/L)	CHLORO-PHYLL A (UG/L)	CHLORO-PHYLL B (UG/L)	FECAL COLI-FORM (COL PER 100 ML)
OCT. 24...	0	53	65	7.8	11.0	8.2	84	.8	12	6.0	<1
DEC. 04...	0	44	66	7.3	4.0	11.7	90	.8	2.8	.0	<1
JAN. 08...	4	47	67	7.6	3.0	14.4	108	.6	5.6	3.6	82
MAR. 12...	8	38	74	7.3	2.0	12.0	88	1.0	5.0	.0	<1
APR. 22...	5	42	73	7.2	6.0	11.9	96	.2	7.2	13	<1

B Results based on colony count outside the acceptable range (non-ideal colony count).

01434000 DELAWARE RIVER AT PORT JERVIS, N.Y.

LOCATION.--Lat 41°22'14", long 74°41'52", Orange County, N.Y.-Pike County, Pa., water temperature recorder at gaging station at bridge on U.S. Highway 6 and 209 in Port Jervis, 1.2 mi (1.9 km) upstream from Neversink River, and 6.5 mi (10.5 km) downstream from Mongaup River.

DRAINAGE AREA.--3,076 mi² (7,967 km²).

PERIOD OF RECORD.--Chemical analyses: October 1957 to September 1959, July 1964 to June 1965, August 1966 to September 1975. Water temperatures: February 1957 to September 1960, January to September 1973, June 1974 to September 1975. Sediment records: February 1957 to September 1960; March 1971 to September 1975.

EXTREMES.--1974-75:

Water temperatures: Maximum, 29.5°C Aug. 3; minimum, freezing point Feb. 5, 10, 15. Sediment concentrations: Maximum daily, 322 mg/l Dec. 9; minimum daily, < 1 mg/l on many days. Sediment discharge: Maximum daily, 37,500 tons (33,800 tonnes) Feb. 25; minimum daily, 3.3 tons (3.0 tonnes) May 29.

Period of record:

Water temperatures: Maximum, 29.5°C July 19, 1959, Aug. 3, 1975; minimum (1957-60, 73, 75), freezing point on many days during winter months. Sediment concentrations: Maximum daily, 760 mg/l June 29, 1973; minimum daily, < 1 mg/l on many days. Sediment discharge: Maximum daily, 187,000 tons (170,000 tonnes) June 29, 1973; minimum daily, 1 ton (0.9 tonne) Aug. 29, 1957.

REMARKS.--New York State Water Quality Surveillance Network station number 14 0010. Dashes (---) in mean suspended sediment concentration column infer a concentration of less than 0.5 mg/l.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DIS-SOLVED SILICA (SiO ₂) (MG/L)	TOTAL CALCIUM (CA) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG)	DIS-SOLVED MAGNESIUM (MG/L)	TOTAL SODIUM (NA) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)
OCT. 01...	1100	8470	--	--	--	--	--	--	--	--	--	--
NOV. 30...	1230	1670	--	7.5	--	1.6	--	2.3	--	.6	--	17
NOV. 14...	1100	11200	--	--	--	--	--	--	--	--	--	--
DEC. 14...	1615	10200	--	6.5	--	1.1	--	2.0	--	1.0	--	12
DEC. 04...	1330	4820	--	--	--	--	--	--	--	--	--	12
JAN. 10...	0930	25400	--	5.5	--	1.5	--	2.5	--	.2	--	--
JAN. 13...	1500	18500	--	--	--	--	--	--	--	--	--	--
FEB. 16...	1200	8680	--	5.0	--	1.1	--	1.4	--	.7	--	20
FEB. 18...	1730	3960	--	6.3	--	1.2	--	2.9	--	.7	--	13
MAR. 25...	1600	53200	--	--	--	--	--	--	--	--	--	--
MAR. 26...	0930	41200	--	--	--	--	--	--	--	--	--	--
MAR. 06...	0930	6270	--	--	--	--	--	--	--	--	--	12
APR. 21...	1145	26400	--	8.2	--	1.3	--	1.7	--	.7	--	--
APR. 29...	1500	4290	--	5.8	--	1.1	--	2.5	--	.6	--	10
JUNE 05...	1430	3670	--	6.3	--	1.2	--	2.3	--	.7	--	11
JULY 19...	1100	4950	--	5.7	--	1.0	--	1.8	--	.6	--	14
JULY 23...	1400	3210	2.4	--	6.0	--	1.2	--	2.2	--	.8	13
AUG. 06...	1030	1420	1.8	--	9.3	--	1.0	--	2.8	--	.9	18
SEP. 06...	1230	1810	1.6	--	10	--	1.9	--	2.6	--	.8	18

DATE	DIS-SOLVED SULFATE (SO ₄) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRATES (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)
OCT. 01...	--	--	--	--	--	--	--	--	--	--	--	--
NOV. 30...	10	3.7	--	.13	.00	.13	.12	.19	.31	.04	.00	--
NOV. 14...	--	--	--	--	--	.13	.08	.07	.15	.00	.00	--
NOV. 14...	--	9.0	--	--	--	.23	.15	.33	.48	.07	--	--
DEC. 17...	17	--	--	.23	.00	.23	.17	.25	.42	.05	.01	--
DEC. 04...	9.5	3.3	--	.28	.00	.28	.06	.16	.22	.01	.01	--
DEC. 10...	--	--	--	--	--	.36	.11	.20	.31	.05	--	--
JAN. 13...	--	--	--	--	--	.36	.04	.17	.21	.02	--	--
JAN. 16...	8.0	2.3	--	.37	.00	.37	.01	.17	.18	.01	.01	--
FEB. 18...	9.1	4.4	--	.27	.01	.28	.01	.12	.13	.01	.01	--
FEB. 25...	--	--	--	--	--	.40	.06	.47	.57	.12	--	--
MAR. 26...	--	--	--	--	--	.44	.06	.52	.58	.14	--	--
MAR. 06...	8.9	4.1	--	.32	.01	.33	.01	.12	.13	.01	.00	--
MAR. 21...	--	--	--	--	--	.32	.14	.22	.36	.05	--	--
APR. 29...	9.9	4.3	--	.21	.01	.22	.00	.15	.15	.02	.00	--
JUNE 05...	9.2	4.3	--	.23	.01	.24	.00	.27	.27	.02	.01	--
JULY 19...	8.3	1.7	--	.20	.01	.21	.00	.33	.33	.02	.01	--
JULY 23...	7.6	3.9	.1	--	--	.28	.00	.37	.37	.04	.01	44
AUG. 06...	7.8	2.3	.1	--	--	.23	.01	.20	.21	.03	.01	46
SEP. 06...	8.8	4.5	.1	--	--	.09	.00	.25	.25	.01	.01	40

01434000 DELAWARE RIVER AT PORT JERVIS, N.Y.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	FIXED NON-FILT-RABLE RESIDUE (MG/L)	TOTAL RESI-DUE (MG/L)	RESIDUE ON IGNI-TION (MG/L)	HARD-NESS (CA+MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)
OCT.											
01...	--	--	--	--	--	--	--	--	--	14.0	--
30...	--	1	0	43	32	--	--	67	7.3	10.0	6
NOV.											
14...	--	--	--	--	--	--	--	62	--	--	--
14...	--	29	21	69	37	--	--	68	7.0	7.0	20
DEC.											
04...	--	4	2	44	28	--	--	62	--	--	10
10...	--	--	--	--	--	--	--	--	--	--	--
JAN.											
13...	--	--	--	--	--	--	--	--	--	--	7
16...	--	0	0	38	25	--	--	69	7.2	.0	--
FEB.											
18...	--	5	4	50	31	--	--	67	7.4	2.0	10
25...	--	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--
MAR.											
06...	--	1	0	45	33	--	--	64	7.1	1.5	10
21...	--	--	--	--	--	--	--	--	--	--	--
APR.											
29...	--	1	1	34	28	--	--	62	7.1	9.0	3
JUNE											
05...	--	4	1	64	37	--	--	65	7.3	18.0	6
19...	--	2	1	44	39	--	--	60	7.3	21.0	8
JULY											
23...	31	--	--	--	--	20	9	50	6.8	24.5	--
AUG.											
06...	35	--	--	--	--	27	13	68	7.1	25.0	--
SEP.											
10...	39	--	--	--	--	33	18	67	7.7	18.0	--

DATE	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	CHLORO-PHYLL A (UG/L)	CHLORO-PHYLL B (UG/L)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL ALUM-INUM (AL) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL BORON (B) (UG/L)
OCT.												
01...	--	--	--	--	--	--	--	--	--	290	1	--
30...	13.2	119	6	1.0	.0	81	89	2.2	.00	10	0	10
NOV.												
14...	--	--	--	--	--	--	--	--	--	370	0	--
14...	12.6	100	16	11	.3	8970	790	5.8	.01	350	0	20
DEC.												
04...	--	--	6	--	--	--	--	5.6	--	450	2	10
10...	--	--	--	--	--	--	--	--	--	--	0	--
JAN.												
13...	--	--	--	--	--	--	--	--	--	150	1	--
16...	14.0	125	6	2.5	.3	19	84	1.8	.00	30	0	0
FEB.												
18...	14.4	104	5	.0	.0	810	84	1.8	.01	30	1	0
25...	--	--	--	--	--	--	--	--	--	2700	1	0
26...	--	--	--	--	--	--	--	--	--	1500	0	10
MAR.												
06...	14.4	102	6	.6	.0	82	82	2.3	.01	90	0	10
21...	--	--	--	--	--	--	--	--	--	640	1	--
APR.												
29...	12.2	106	5	1.3	11	82	89	3.9	.01	70	--	--
JUNE												
05...	9.2	98	7	--	--	830	21	2.9	--	70	0	--
19...	9.1	102	5	.0	.0	21	160	1.8	.00	--	0	--
JULY												
23...	8.5	101	--	--	--	110	30	3.6	--	--	0	--
AUG.												
06...	7.3	88	--	--	--	190	220	--	--	--	0	--
SEP.												
10...	9.7	103	--	--	--	810	33	2.9	--	--	--	--

B Results based on colony count outside the acceptable range (non-ideal colony count).

DELAWARE RIVER BASIN

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01434000 DELAWARE RIVER AT PORT JERVIS, N.Y.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	TOTAL STRONTIUM (SR) (UG/L)	TOTAL VANADIUM (V) (UG/L)	TOTAL ZINC (ZN) (UG/L)
OCT. 01...	0	<10	0	0	--	3	--	--	<2	50	.2	30
30...	0	10	0	0	110	3	0	<.5	0	40	--	70
NOV. 14...	0	10	0	0	--	4	--	--	0	40	.0	10
14...	1	0	0	10	680	2	160	<.5	0	50	--	10
DEC. 04...	--	--	--	--	250	--	40	--	--	--	--	--
10...	0	<10	2	0	--	18	--	--	0	20	.7	20
JAN. 13...	1	0	0	0	--	6	--	--	2	30	.5	0
16...	0	0	0	0	280	2	30	<.5	2	30	--	0
FEB. 18...	0	0	0	0	130	4	30	<.5	0	40	--	10
25...	1	10	2	20	--	14	--	--	1	30	1.5	60
MAR. 26...	0	10	1	10	--	5	--	--	0	20	.9	20
06...	0	0	0	0	110	2	30	<.5	0	30	.0	0
21...	1	<10	0	0	--	5	--	--	1	30	--	20
APR. 29...	0	0	0	0	80	1	30	<.5	0	40	--	10
JUNE 05...	--	--	--	--	150	--	60	--	--	--	--	--
19...	0	20	0	10	150	0	30	<.5	0	40	--	0
JULY 23...	1	0	--	10	330	5	90	<.5	--	--	--	10
AUG. 06...	0	0	--	10	110	8	20	<.5	--	--	--	20
SEP. 10...	0	<10	--	10	100	6	20	<.5	--	--	--	10

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

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

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DELAWARE RIVER BASIN

01434000 DELAWARE RIVER AT PORT JERVIS, N.Y.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	FEBRUARY			MARCH			APRIL			MAY	
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN
1	1.5	1.0	1.0	3.5	2.5	3.0	5.5	3.5	4.5	11.5	10.5
2	1.5	1.0	1.0	3.0	2.5	2.5	6.5	5.0	5.5	11.5	10.5
3	1.0	0.5	1.0	2.5	1.5	2.0	6.0	5.0	5.5	13.0	10.0
4	1.0	0.5	0.5	1.5	1.0	1.5	5.0	2.5	3.5	12.5	11.5
5	0.5	0.0	0.5	2.5	1.0	2.0	2.5	1.5	2.0	12.5	11.0
6	2.0	0.5	1.0	2.5	2.0	2.5	3.0	2.0	2.5	12.0	11.5
7	2.0	1.5	1.5	3.0	2.5	2.5	3.0	2.0	2.5	12.0	11.0
8	1.5	0.5	1.0	3.5	2.5	3.0	3.5	2.5	3.0	13.0	11.0
9	0.5	0.5	0.5	2.0	1.0	1.5	4.5	3.0	4.0	13.0	12.5
10	1.0	0.0	0.5	1.5	1.0	1.0	5.5	4.0	5.0	14.5	12.5
11	1.0	0.5	0.5	2.5	1.5	2.0	7.0	5.0	6.0	15.0	13.5
12	1.0	0.5	0.5	2.5	2.0	2.5	7.0	5.5	6.5	14.5	13.5
13	1.0	0.5	0.5	4.0	2.5	3.5	6.5	5.5	6.0	14.0	14.0
14	1.5	0.5	1.0	3.5	2.0	2.5	7.5	5.0	6.0	15.5	13.5
15	1.5	0.0	1.0	3.0	1.5	2.5	7.0	6.0	6.5	16.0	15.0
16	2.0	1.0	1.5	3.5	2.0	2.5	8.5	6.5	7.5	17.0	15.5
17	2.0	1.5	1.5	4.5	2.5	3.5	10.0	8.0	9.0	17.0	15.5
18	2.0	1.0	1.5	5.5	4.0	4.5	10.0	9.0	9.5	16.5	16.0
19	2.5	1.5	2.0	5.5	5.0	5.5	10.5	10.0	10.5	17.5	16.0
20	3.0	1.5	2.0	5.5	4.0	5.0	10.5	9.5	10.0	18.5	16.0
21	3.0	1.5	2.0	4.0	3.0	3.5	9.5	8.5	9.0	19.0	19.0
22	3.5	1.5	2.5	4.5	3.5	4.0	9.5	7.5	8.5	19.0	17.5
23	3.0	2.0	2.5	5.5	4.0	4.5	10.5	8.0	9.5	20.0	18.5
24	2.5	1.5	2.5	5.0	4.5	5.0	10.5	10.0	10.5	21.0	19.5
25	2.5	1.5	2.0	5.0	4.5	4.5	11.5	10.5	11.0	21.5	20.5
26	3.0	2.5	3.0	5.0	4.5	5.0	12.0	10.0	11.0	21.0	19.5
27	3.0	2.5	3.0	4.5	3.0	3.5	10.5	10.0	10.0	21.5	20.0
28	3.5	2.5	3.0	3.0	2.0	2.5	11.0	9.0	10.0	21.5	19.5
29	---	---	---	3.5	3.0	3.0	10.0	9.5	9.5	22.0	19.0
30	---	---	---	4.0	3.5	3.5	12.0	9.0	10.5	20.5	19.0
31	---	---	---	4.0	3.0	3.5	---	---	---	21.5	18.5
MONTH	3.5	0.0	1.5	5.5	1.0	3.0	12.0	1.5	7.0	22.0	10.0
DAY	JUNE			JULY			AUGUST			SEPTEMBER	
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN
1	22.0	20.0	21.0	24.5	21.0	23.0	27.5	24.5	26.0	18.5	17.5
2	22.5	20.0	21.0	24.5	21.5	23.5	28.5	24.5	27.0	19.0	18.0
3	22.0	20.0	20.5	24.5	22.5	23.5	29.5	26.5	28.0	19.0	17.5
4	21.5	19.5	20.5	25.0	22.0	23.5	29.0	27.5	28.0	20.0	18.0
5	20.0	18.0	19.0	26.0	22.5	24.5	28.5	26.5	27.5	20.0	18.0
6	18.0	16.5	17.0	26.5	25.0	26.0	27.0	23.5	25.5	20.5	19.0
7	16.5	16.0	16.5	27.0	24.5	26.0	23.5	21.0	22.0	21.0	16.5
8	16.0	15.5	16.0	26.5	24.0	25.5	21.0	20.0	20.0	21.5	20.0
9	16.5	15.5	16.0	25.5	23.0	24.5	22.0	19.5	20.5	21.0	19.5
10	18.0	15.5	17.0	25.5	22.5	24.0	23.5	21.0	22.5	21.0	18.0
11	18.5	16.5	17.5	25.5	22.5	24.0	24.5	22.5	23.5	19.0	17.5
12	18.0	17.0	17.5	24.5	23.5	23.5	25.5	23.0	24.0	19.0	18.5
13	18.0	16.5	17.5	23.5	22.5	23.0	25.5	22.5	24.0	18.5	17.0
14	18.0	17.0	17.5	23.0	21.5	22.0	25.5	23.0	24.5	17.0	16.5
15	19.5	18.0	19.0	23.5	22.0	23.0	25.0	22.5	24.0	16.5	15.0
16	19.0	18.5	19.0	25.0	22.0	23.5	24.5	22.0	23.0	16.5	15.5
17	20.5	18.0	19.0	26.5	23.0	24.5	22.0	21.0	21.5	17.5	16.5
18	22.0	19.5	20.5	26.5	24.0	25.0	23.5	21.5	22.5	17.5	16.5
19	23.0	21.0	22.0	26.0	23.0	24.5	23.0	20.5	22.0	17.0	17.0
20	23.0	21.5	22.5	26.5	24.5	25.5	23.0	20.5	22.0	18.0	18.0
21	23.0	21.0	22.0	27.0	24.5	26.0	22.0	20.5	21.5	19.5	18.5
22	24.5	21.5	23.0	25.0	23.5	24.5	23.0	21.0	22.0	19.0	17.5
23	24.5	22.0	23.5	24.5	23.0	24.0	23.0	20.5	22.0	18.5	17.0
24	24.5	23.0	24.0	26.0	24.0	25.0	22.5	19.5	21.5	17.5	16.5
25	25.5	23.5	24.5	24.5	23.5	24.0	22.0	20.5	21.5	16.0	16.0
26	24.5	23.0	24.0	24.0	22.0	23.0	23.0	21.0	22.0	14.5	14.0
27	23.0	21.5	22.5	---	---	---	23.5	21.5	22.5	15.5	15.0
28	22.5	21.0	22.0	---	---	---	24.0	21.5	22.5	16.0	15.5
29	24.5	21.5	23.0	---	---	---	23.5	21.5	22.5	15.5	15.0
30	25.5	22.5	24.0	26.0	22.5	24.0	22.5	21.0	22.0	16.0	15.0
31	---	---	---	26.5	23.5	25.0	21.5	18.0	19.5	---	---
MONTH	25.5	15.5	20.5	27.0	21.0	24.0	29.5	18.0	23.0	21.5	10.0

01434000 DELAWARE RIVER AT PORT JERVIS, N.Y.--Continued

SUSPENDED-SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	APRIL			MAY			JUNE			SEDIMENT DISCHARGE (TONS/DAY)
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	
1	9200	5	124	3340	2	18	3100	2	17	
2	8010	2	43	3530	3	29	3140	2	17	
3	10300	16	445	3910	3	32	3300	2	18	
4	23300	37	2330	3930	12	127	3430	2	13	
5	20200	10	545	8100	20	437	3880	1	10	
6	15700	5	212	8100	13	284	8620	26	799	
7	13400	3	109	12300	24	797	15100	35	1450	
8	11700	5	158	14400	14	544	11200	17	514	
9	9800	4	106	11800	11	350	8360	11	248	
10	8670	4	94	9820	14	371	7680	13	270	
11	8050	3	65	8200	16	354	7190	9	175	
12	7060	2	38	7680	6	124	6960	10	210	
13	6560	4	71	11400	13	400	13700	23	851	
14	6380	2	34	13800	19	708	12300	11	365	
15	5910	1	16	13100	14	495	9400	17	431	
16	5490	1	15	12400	9	301	8460	12	274	
17	5040	1	14	11500	13	404	7850	6	127	
18	4750	1	13	9600	18	467	6750	4	73	
19	4460	1	12	9020	6	146	5770	2	31	
20	4410	1	12	8510	5	115	5290	5	71	
21	5170	4	56	7220	7	136	3930	5	53	
22	4880	5	66	6460	6	105	3180	5	43	
23	4490	4	48	7000	5	94	2570	3	21	
24	4300	3	35	5970	3	48	3110	3	25	
25	5100	2	28	5350	2	29	2190	8	47	
26	5000	2	27	4390	2	24	2230	11	66	
27	4380	1	12	4150	5	56	2070	10	56	
28	4230	---	5.7	3800	2	21	1810	8	39	
29	4080	1	8.8	3070	---	3.3	1960	6	32	
30	3740	---	5.0	2840	1	6.1	2210	4	24	
31	---	---	---	2900	2	13	---	---	---	
MONTH	233760	---	4747.5	237590	---	7038.4	176740	---	6370	
DAY	JULY			AUGUST			SEPTEMBER			SEDIMENT DISCHARGE (TONS/DAY)
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	
1	2800	6	45	2040	2	11	4490	20	242	
2	2290	7	43	1510	2	8.2	3160	16	137	
3	2150	7	41	1670	2	9.0	2960	8	64	
4	1540	4	17	1490	2	8.0	2680	3	22	
5	1480	4	16	1930	2	10	2350	2	13	
6	1430	3	12	1810	1	4.9	1900	1	5.1	
7	1720	3	14	3010	7	57	1390	1	3.8	
8	1530	3	12	2850	9	69	1640	2	4.4	
9	1580	3	13	2300	4	25	2330	3	17	
10	1850	2	10	1490	3	12	2130	3	13	
11	2050	2	11	1700	2	9.2	2130	4	23	
12	1900	3	15	1780	1	4.8	1990	3	16	
13	1790	3	14	1620	2	8.7	1640	4	18	
14	2270	4	25	1590	2	8.6	2250	7	36	
15	2820	5	38	1540	3	12	2100	7	40	
16	2310	3	19	1780	3	14	2110	6	34	
17	1670	3	14	2010	1	5.4	1830	9	44	
18	1980	2	11	2000	2	11	1720	8	42	
19	1720	2	9.3	1920	3	16	1760	8	36	
20	1370	6	42	1840	4	20	1650	6	27	
21	3620	25	306	1700	5	23	1900	4	21	
22	6600	28	499	1910	4	21	2550	2	14	
23	3900	9	95	1920	4	21	2940	27	366	
24	3040	9	74	2030	5	27	4280	38	1310	
25	3870	12	125	3440	8	74	13800	38	3660	
26	4200	13	147	3090	8	67	24200	60	2200	
27	3420	8	74	2750	8	59	17700	46	609	
28	3400	5	46	2100	6	34	14100	11	327	
29	3040	2	16	1780	5	24	11000	3	71	
30	2290	4	25	2520	12	128	8820	---	---	
31	2210	4	24	8410	31	704	---	---	---	
MONTH	77840	---	1852.3	69530	---	1505.8	145500	---	9433.3	
YEAR	2246780	---	182560.5		---			---		

DELAWARE RIVER BASIN

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01434000 DELAWARE RIVER AT PORT JERVIS, N.Y.--Continued

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA

PHYTOPLANKTON, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL COUNT Cells/ml	ORGANISMS IDENTIFIED	PERCENT COMPOSITION	DATE	TOTAL COUNT Cells/ml	ORGANISMS IDENTIFIED	PERCENT COMPOSITION
Oct. 30 1974	830	<u>Achnanthes</u> <u>Scenedesmus</u> <u>Gomphonema</u> <u>Synedra</u> <u>Fragilaria</u> <u>Navicula</u> <u>Melosira</u> <u>Cyclotella</u> <u>Cymbella</u> <u>Cocconeis</u> <u>Ankistrodesmus</u>	28 27 12 9 6 4 4 4 1 1 1	Nov. 14 1974	8,300	<u>Achnanthes</u> <u>Oscillatoria</u> <u>Nitzschia</u> <u>Melosira</u> <u>Fragilaria</u> <u>Cymbella</u> <u>Scenedesmus</u> <u>Gomphonema</u> <u>Ankistrodesmus</u> <u>Navicula</u> <u>Synedra</u> <u>Rhoicosphenia</u> <u>Cocconeis</u> <u>Diatoma</u> <u>Cyclotella</u> <u>Cosmarium</u>	42 13 9 6 5 4 4 3 3 2 2 1 1 1 1 1
Dec. 4 1974	1,500	<u>Melosira</u> <u>Cymbella</u> <u>Dinobryon</u> <u>Achnanthes</u> <u>Gomphonema</u> <u>Navicula</u> <u>Cocconeis</u> <u>Synedra</u> <u>Asterionella</u> <u>Cyclotella</u>	48 15 10 8 6 3 3 2 2 2	Jan. 16 1975	250	<u>Melosira</u> <u>Navicula</u> <u>Nitzschia</u> <u>Gomphonema</u> <u>Achnanthes</u> <u>Asterionella</u> <u>Synedra</u>	32 27 9 9 9 9 5
Feb. 18 1975	600	<u>Nitzschia</u> <u>Cymbella</u> <u>Navicula</u> <u>Gomphonema</u> <u>Trachelomonas</u> <u>Achnanthes</u> <u>Asterionella</u> <u>Diatoma</u> <u>Meridion</u> <u>Mallomonas</u>	37 29 12 5 5 2 2 2 2 2	Mar. 6 1975	250	<u>Melosira</u> <u>Cymbella</u> <u>Fragilaria</u> <u>Nitzschia</u> <u>Navicula</u> <u>Achnanthes</u> <u>Gomphonema</u> <u>Frustulia</u> <u>Cyclotella</u>	28 20 16 8 8 4 4 4 4
Apr. 29 1975	2,300	<u>Asterionella</u> <u>Cymbella</u> <u>Hannaea</u> <u>Synedra</u> <u>Cyclotella</u> <u>Nitzschia</u> <u>Gomphonema</u> <u>Achnanthes</u>	52 15 9 7 7 4 4 2	June 5 1975	1,500	<u>Scenedesmus</u> <u>Cymbella</u> <u>Synedra</u> <u>Achnanthes</u> <u>Navicula</u> <u>Cyclotella</u> <u>Melosira</u> <u>Nitzschia</u>	45 15 14 12 6 5 2 1
June 19 1975	3,400	<u>Gomphosphaeria</u> <u>Scenedesmus</u> <u>Anacystis</u> <u>Cymbella</u> <u>Navicula</u> <u>Melosira</u> <u>Synedra</u> <u>Tabellaria</u> <u>Cyclotella</u> <u>Dinobryon</u> <u>Chodatella</u> <u>Kirchneriella</u> <u>Ankistrodesmus</u>	65 19 4 3 2 2 1 1 1 1 1 1 1	July 23 1975	7,200	<u>Scenedesmus</u> <u>Pediastrum</u> <u>Coelastrum</u> <u>Melosira</u> <u>Aphanizomenon</u> <u>Tetraedron</u> <u>Euastrum</u> <u>Cymbella</u> <u>Navicula</u>	58 18 9 7 4 1 1 1 1
Aug. 6 1975	310	<u>Scenedesmus</u> <u>Kirchneriella</u> <u>Anacystis</u> <u>Ankistrodesmus</u> <u>Gomphonema</u> <u>Cocconeis</u> <u>Navicula</u> <u>Pediastrum</u> <u>Cyclotella</u>	39 16 16 13 10 3 3 1 1	Sept. 10 1975	300	<u>Scenedesmus</u> <u>Achnanthes</u> <u>Cocconeis</u> <u>Nitzschia</u> <u>Gomphonema</u> <u>Navicula</u> <u>Ankistrodesmus</u> <u>Melosira</u> <u>Rhoicosphenia</u> <u>Cymbella</u> <u>Epithemia</u> <u>Gomphosphaeria</u> <u>Oscillatoria</u> <u>Trachelomonas</u>	40 27 13 13 3 3 1 1 1 1 1 1 1

< - Less than 1 Percent; may not have been actually counted.

DELAWARE RIVER BASIN

01435000 NEVERSINK RIVER NEAR CLARYVILLE, N.Y.

LOCATION.—Lat 41°53'24", long 74°35'25", Sullivan County, at gaging station 50 ft (15 m) downstream from covered bridge, 300 ft (91 m) upstream from small tributary, 2.2 mi (3.5 km) downstream from confluence of East and West Branches, and 2.2 mi (3.5 km) southwest of Claryville.

DRAINAGE AREA.—65.6 mi² (170 km²).

PERIOD OF RECORD.—Chemical analyses: May 1973 to April 1975 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1974 TO APRIL 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SiO ₂) (MG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)	CARBONATE (CO ₃) (MG/L)	ALKALINITY AS CaCO ₃ (MG/L)	DISSOLVED SULFATE (SO ₄) (MG/L)
OCT. 25...	0950	95	2.4	3.5	1.0	.5	.0	11	0	9	6.6
DEC. 17...	1200	224	--	2.2	.8	--	--	14	0	11	--
JAN. 20...	1130	E148	2.2	4.9	.9	.0	.2	15	0	12	6.1
MAR. 18...	1145	137	--	3.6	.7	--	--	3	0	2	--
APR. 21...	1230	369	1.9	5.0	.7	.9	.3	4	0	3	5.9

DATE	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHOPHOSPHORUS (P) (MG/L)
OCT. 25...	.6	.1	.19	.00	.19	.01	.03	.04	.23	.00	.00
DEC. 17...	--	--	.35	.00	.35	.01	.28	.29	.64	.00	.00
JAN. 20...	1.7	.1	.58	.00	.58	.08	--	.07	.65	.01	.01
MAR. 18...	--	--	.33	.00	.33	.00	.01	.01	.34	.01	.00
APR. 21...	2.6	.1	.48	.01	.49	.00	.11	.11	.60	.01	.00

DATE	TOTAL NON-FILTERABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	CHLOROPHYLL A (UG/L)	CHLOROPHYLL B (UG/L)	FECAL COLIFORM (COL. PER 100 ML)
OCT. 25...	0	25	34	8.0	7.0	9.4	78	.2	2.4	3.6	<1
DEC. 17...	0	15	33	7.7	6.0	12.8	104	.2	1.0	2.0	<1
JAN. 20...	0	18	36	7.9	.0	14.0	97	.4	2.8	4.4	<1
MAR. 18...	1	19	39	7.2	3.0	13.2	99	.6	.0	.0	<1
APR. 21...	0	25	31	7.2	6.0	12.0	98	.2	3.0	2.0	<1

E Estimated value.

DELAWARE RIVER BASIN

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01436000 NEVERSINK RIVER AT NEVERSINK, N.Y.

LOCATION.--Lat 41°49'12", long 74°38'09", Sullivan County, at gaging station at downstream end of outlet channel, 1,650 ft (503 m) downstream from Neversink Dam and State Highway 55, 1.7 mi (2.7 km) southwest of Neversink, and 2.6 mi (4.2 km) upstream from Wynkoop Brook.

DRAINAGE AREA.--91.9 mi² (238 km²).

PERIOD OF RECORD.--Chemical analyses: May 1973 to April 1975 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1974 TO APRIL 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED SILICA (SiO ₂) (MG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)	CARBONATE (CO ₃) (MG/L)	ALKALINITY AS CaCO ₃ (MG/L)	DISSOLVED SULFATE (SO ₄) (MG/L)
OCT. 25...	0810	14	2.0	6.0	1.0	.5	.0	3	0	2	6.6
DEC. 17...	1315	5.6	--	3.5	.9	--	--	3	0	2	--
JAN. 20...	1320	5.6	2.1	2.5	.7	.0	.4	2	0	2	6.3
MAR. 18...	1325	7.4	--	3.7	.7	--	--	9	0	7	--
APR. 21...	1355	26	2.1	7.0	.8	1.1	.4	5	0	4	6.2

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
OCT. 25...	.9	--	.19	.00	.19	.04	.05	.09	.28	.00	.00
DEC. 17...	--	--	.28	.00	.28	.06	.03	.09	.37	.01	.01
JAN. 20...	1.7	.1	.33	.00	.33	.03	.05	.08	.41	.01	.01
MAR. 18...	--	--	.29	.00	.29	.02	.00	.02	.31	.01	.00
APR. 21...	2.4	.2	.39	.00	.39	.01	.06	.07	.46	.02	.01

DATE	TOTAL NON-FILTERABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	BIO-CHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	CHLORO-PHYLL A (UG/L)	CHLORO-PHYLL B (UG/L)	FECAL COLIFORM (COL. PER 100 ML)
OCT. 25...	0	.1	35	7.9	9.0	10.3	90	.2	4.0	5.2	<1
DEC. 17...	4	19	37	7.4	3.0	13.0	98	.2	2.5	2.5	83
JAN. 20...	0	33	35	7.5	2.0	13.3	97	.6	2.8	4.4	<1
MAR. 18...	3	22	39	7.2	3.0	13.8	104	.0	.5	2.0	<1
APR. 21...	8	29	37	7.2	5.0	11.5	91	.4	1.0	1.0	<1

* Results based on colony count outside the acceptable range (non-ideal colony count).

01438000 NEVERSINK RIVER AT PORT JERVIS, N.Y.

LOCATION.--Lat 41°21'40", long 74°41'07", Orange County, at bridge on U.S. Highway 6 (Main Street) in Port Jervis and 0.7 mi (1.1 km) stream from mouth.

DRAINAGE AREA.--333 mi² (862 km²).

PERIOD OF RECORD.--Chemical analyses: April 1969 to September 1975.

REMARKS.--New York State Water Quality Surveillance Network station number 14 1032.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS-SOLVED SILICA (SiO ₂) (MG/L)	TOTAL CALCIUM (CA) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG)	DIS-SOLVED MAGNESIUM (MG)	TOTAL SODIUM (NA) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)	DIS-SOLVED SULFATE (SO ₄) (MG/L)
OCT.												
30...	0900	--	10	--	1.8	--	4.5	--	.8	--	21	12
NOV.												
14...	1200	--	6.9	--	1.1	--	3.5	--	1.0	--	11	10
DEC.												
04...	1710	--	6.2	--	1.6	--	4.0	--	.2	--	14	11
10...	1300	--	--	--	--	--	--	--	--	--	--	9.0
JAN.												
16...	1540	--	6.5	--	1.2	--	3.0	--	.5	--	20	10
FEB.												
19...	0730	--	7.5	--	1.5	--	5.1	--	.8	--	22	9.5
MAR.												
06...	1330	--	7.3	--	1.3	--	3.0	--	.7	--	13	11
APR.												
29...	1630	--	10	--	1.3	--	3.9	--	.7	--	17	9.7
JUNE												
05...	1715	--	6.8	--	1.3	--	3.3	--	.6	--	16	7.8
19...	1530	--	5.7	--	1.2	--	3.2	--	.6	--	13	8.2
AUG.												
07...	0830	3.1	--	10	--	1.6	--	4.8	--	1.0	23	11
SEP.												
10...	1530	2.7	--	11	--	2.0	--	5.4	--	1.0	25	

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)
OCT.											
30...	6.7	--	.36	.00	.36	.18	.10	.28	.09	.07	--
NOV.											
14...	6.1	--	.34	.00	.34	.28	.14	.42	.08	.05	--
DEC.											
04...	5.6	--	.33	.00	.33	.14	.17	.31	.04	.02	--
10...	--	--	--	--	.22	.16	.08	.24	.04	--	--
JAN.											
16...	3.6	--	.22	.00	.22	.04	.16	.20	.02	.01	--
FEB.											
19...	8.1	--	.35	.01	.36	.09	.08	.17	.03	.01	--
MAR.											
06...	5.9	--	.45	.01	.46	.20	.04	.24	.04	.07	--
APR.											
29...	5.6	--	.20	.01	.21	.07	.08	.15	.04	.02	--
JUNE											
05...	5.5	--	.33	.01	.34	.04	.24	.28	.08	.05	--
19...	3.0	--	.27	.01	.28	.04	.23	.27	.07	.04	66
AUG.											
07...	4.2	.2	--	--	.46	.06	.27	.33	.09	.08	63
SEP.											
10...	7.6	.1	--	--	.52	.10	.24	.34	.14	.11	

DELAWARE RIVER BASIN

01438000 NEVERSINK RIVER AT PORT JERVIS, N.Y.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	FIXED NON-FILT-RABLE RESIDUE (MG/L)	TOTAL RESI-DUE (MG/L)	RESIDUE ON IGNI-TION (MG/L)	HARD-NESS (CA+MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)
OCT. 30...	--	2	0	61	42	--	--	98	6.7	10.0	10
NOV. 14...	--	18	10	64	32	--	--	78	6.8	7.0	40
DEC. 04...	--	3	2	57	43	--	--	90	6.7	1.5	10
JAN. 10...	--	--	--	--	--	--	--	--	--	--	--
JAN. 16...	--	1	1	41	34	--	--	81	6.9	.0	10
FEB. 19...	--	5	3	36	33	--	--	93	6.9	1.5	9
MAR. 06...	--	1	0	50	26	--	--	73	7.0	2.0	8
APR. 29...	--	1	0	54	40	--	--	83	7.5	9.5	7
JUNE 05...	--	3	1	61	33	--	--	76	7.1	16.5	27
JUNE 19...	--	2	2	39	34	--	--	69	6.4	22.0	23
AUG. 07...	44	--	--	--	--	32	13	87	7.1	20.0	--
SEP. 10...	53	--	--	--	--	36	15	101	7.2	17.0	--

DATE	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL ALUM-INUM (AL) (UG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL BORON (B) (UG/L)	TOTAL CAD-MIUM (CD) (UG/L)
OCT. 30...	2	10.7	96	7	840	--	4.0	--	--	--	--
NOV. 14...	9	12.3	99	18	700	--	11	--	--	--	--
DEC. 04...	2	14.3	101	7	210	--	3.8	140	0	20	0
DEC. 10...	--	--	--	--	--	--	--	--	--	--	--
JAN. 16...	2	14.6	101	7	810	--	2.6	--	--	--	--
FEB. 19...	2	13.7	103	5	837	--	1.6	--	--	--	--
MAR. 06...	2	13.5	99	7	84	--	3.1	--	--	--	--
APR. 29...	1	11.9	105	8	43	--	4.8	--	--	--	--
JUNE 05...	3	8.3	86	14	190	--	5.0	--	--	--	--
JUNE 19...	2	8.5	98	10	92	--	3.2	--	--	--	0
AUG. 07...	1	7.6	83	--	1100	530	--	--	0	--	0
SEP. 10...	2	10.5	95	--	818	84	8.8	--	0	--	0

DATE	TOTAL CHRO-MIUM (CR) (UG/L)	TOTAL COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MAN-GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL SELE-NIUM (SE) (UG/L)	TOTAL STRON-TIUM (SR) (UG/L)	TOTAL VANA-DIUM (V) (UG/L)	TOTAL ZINC (ZN) (UG/L)
OCT. 30...	--	--	--	130	--	40	--	--	--	--	--
NOV. 14...	--	--	--	440	--	60	--	--	--	--	--
DEC. 04...	--	--	--	150	--	40	--	0	50	.4	20
DEC. 10...	0	1	0	--	7	--	--	--	--	--	--
JAN. 16...	--	--	--	130	--	40	--	--	--	--	--
FEB. 19...	--	--	--	170	--	30	--	--	--	--	--
MAR. 06...	--	--	--	150	--	40	--	--	--	--	--
APR. 29...	--	--	--	130	--	30	--	--	--	--	--
JUNE 05...	--	--	--	370	--	70	--	--	--	--	--
JUNE 19...	--	--	--	310	--	60	--	--	--	--	0
AUG. 07...	0	--	0	200	4	40	<.5	--	--	--	10
SEP. 10...	<10	--	0	170	4	40	<.5	--	--	--	--

CONTINUED NEXT PAGE

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA

PHYTOPLANKTON, AUGUST TO SEPTEMBER 1975

DATE	TOTAL COUNT Cells/ml	ORGANISMS IDENTIFIED	PERCENT COMPOSITION	DATE	TOTAL COUNT Cells/ml	ORGANISMS IDENTIFIED	PERCENT COMPOSITION
Aug. 7 1975	3,900	<u>Anacystis</u>	51	Sept. 10 1975	1,500	<u>Achnanthes</u>	37
		<u>Scenedesmus</u>	32			<u>Scenedesmus</u>	26
		<u>Navicula</u>	8			<u>Navicula</u>	15
		<u>Nitzschia</u>	3			<u>Nitzschia</u>	11
		<u>Kirchneriella</u>	2			<u>Cocconeis</u>	4
		<u>Cymbella</u>	2			<u>Ankistrodesmus</u>	1
		<u>Achnanthes</u>	1			<u>Kirchneriella</u>	1
		<u>Cocconeis</u>	1			<u>Melosira</u>	1
		<u>Coelastrum</u>	<1			<u>Cymbella</u>	1
		<u>Pediastrum</u>	<1			<u>Fragilaria</u>	1
		<u>Cyclotella</u>	<1				
		<u>Melosira</u>	<1				
		<u>Synedra</u>	<1				
		<u>Gomphonema</u>	<1				
		<u>Pinnularia</u>	<1				

< - Less than 1 Percent; may not have been actually counted.

SUSQUEHANNA RIVER BASIN

495

01500500 SUSQUEHANNA RIVER AT UNADILLA, N.Y.

LOCATION.--Lat 42°19'17", long 75°19'01", Otsego County, at bridge on Bridge Street in Unadilla, 25 ft (8 m) upstream from gaging station, 1.0 mi (1.6 km) upstream from Carrs Creek, and 1.6 mi (2.6 km) downstream from Olecut Creek.

DRAINAGE AREA.--982 mi² (2,543 km²).

PERIOD OF RECORD.--Chemical analyses: October 1970 to May 1975 (discontinued).

REMARKS.--New York State Water Quality Surveillance Network station number 06 0140.

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
OCT. 22...	1030	602	190	110	16	2.5	3.0	.8	53	0	43	15
NOV. 19...	1030	1930	900	40	15	2.0	2.5	1.0	40	0	33	13
DEC. 19...	1030	2250	390	40	17	2.2	2.5	.6	51	0	42	18
JAN. 22...	1030	1800	300	20	20	2.3	2.5	.8	57	0	47	12
FEB. 19...	1130	1230	530	50	18	2.4	4.6	.9	58	0	48	12
MAR. 18...	1330	1580	260	20	22	1.4	3.3	.9	59	0	48	14
APR. 23...	1100	2420	470	30	17	2.1	2.5	.8	50	0	41	9.0
MAY 19...	0930	2080	660	60	19	2.5	2.5	.6	54	0	44	10

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHOPHOSPHORUS (P) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	FIXED NON-FILTERABLE RESIDUE (MG/L)
OCT. 22...	8.6	.41	.00	.41	.08	.10	.18	.59	.01	.01	2	1
NOV. 19...	6.2	.46	.00	.46	.11	.15	.26	.72	.04	.03	17	16
DEC. 19...	6.1	.65	.00	.65	.07	.17	.24	.89	.03	.01	2	2
JAN. 22...	4.0	.77	.01	.78	.04	.22	.26	1.0	.02	.01	6	6
FEB. 19...	7.7	.75	.01	.76	.07	.16	.23	.99	1.3	.01	10	0
MAR. 18...	6.3	.69	.01	.70	.05	.13	.18	.88	.02	.01	7	6
APR. 23...	4.1	.53	.01	.54	.01	.07	.08	.62	.03	.01	11	8
MAY 19...	2.6	.40	.01	.41	.02	.15	.17	.58	.04	.01	16	16

DATE	TOTAL RESIDUE (MG/L)	RESIDUE ON IGNITION (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 22...	87	80	165	7.3	3.5	7	2	11.3	78	7	2.4
NOV. 19...	84	67	142	6.7	4.5	20	10	11.7	90	5	3.2
DEC. 19...	89	62	168	7.1	1.0	3	4	14.0	99	7	3.3
JAN. 22...	79	--	146	7.6	.0	6	5	12.2	84	8	9.3
FEB. 19...	96	73	165	7.4	.0	10	9	12.6	86	7	3.0
MAR. 18...	102	92	124	7.6	4.0	4	6	11.8	90	8	1.4
APR. 23...	82	46	128	7.0	7.0	6	5	11.0	91	8	2.3
MAY 19...	96	69	131	7.3	15.0	2	7	9.2	90	10	2.1

SUSQUEHANNA RIVER BASIN

01502770 SUSQUEHANNA RIVER NEAR GREAT BEND, PA.

LOCATION.--Lat 41°57'48", long 75°44'33", Susquehanna County, Pennsylvania, State Highway 11 bridge north of Hallstead, 0.5 mi (0.8 km) south of Great Bend, and 6.2 mi (10.0 km) upstream from gaging station (01503000) at Conklin, N.Y.

DRAINAGE AREA.--2,086 mi² (5,400 km²).

PERIOD OF RECORD.--Chemical analyses: July 1969 to September 1975.
Sediment records: August 1973 to September 1975 (partial-record station).

REMARKS.--Operated as part of the USGS-EPA surveillance network. Records of discharge given are for 01503000 Susquehanna River at Conklin, N.Y.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TOTAL IRON (FE) (UG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
OCT.											
24...	1545	994	150	61	0	50	23	4.0	.29	--	--
NOV.											
20...	1530	4500	200	49	0	40	12	4.0	.56	--	--
DEC.											
11...	1315	12100	380	36	0	30	12	3.0	.70	--	--
JAN.											
30...	1020	7940	244	36	0	30	14	5.0	.93	--	--
FEB.											
25...	1200	30000	580	18	0	15	12	3.0	.66	--	--
MAR.											
25...	1200	8280	220	40	0	33	13	4.0	.90	--	--
APR.											
14...	1500	4510	150	51	0	42	13	4.5	.93	--	--
MAY											
20...	1200	3640	210	58	0	48	12	3.5	.39	.01	.40
JUNE											
24...	1200	1150	170	70	0	57	14	4.5	.09	--	--
JULY											
22...	1200	1380	160	64	0	52	14	5.5	.05	--	--
AUG.											
26...	1200	770	180	53	0	43	15	7.0	.25	--	--
SEP.											
16...	1200	1370	180	70	0	57	15	6.0	.29	--	--

DATE	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	SUSPENDED SOLIDS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)
OCT.											
24...	.07	.22	.29	--	.02	.01	82	4	135	8.0	7.0
NOV.											
20...	.05	.30	.35	--	.04	.02	52	554	130	7.5	6.0
DEC.											
11...	.08	.43	.51	--	.08	.04	62	66	100	7.0	3.0
JAN.											
30...	.04	.40	.44	--	.08	.06	66	53	115	6.9	.0
FEB.											
25...	.05	.38	.43	--	.14	.07	47	269	71	6.8	2.0
MAR.											
25...	.01	.33	.34	--	.07	.02	54	29	109	6.5	4.0
APR.											
14...	.01	.23	.24	--	.04	.02	74	7	125	7.2	5.5
MAY											
20...	.00	.24	.24	.64	.04	.01	83	21	150	8.0	18.5
JUNE											
24...	.07	.50	.57	--	.05	.00	89	19	180	8.0	24.5
JULY											
22...	.04	.55	.59	--	.07	.01	103	10	180	8.3	25.0
AUG.											
26...	.04	.40	.44	--	.03	.02	96	7	160	7.3	8.0
SEP.											
16...	.04	.28	.32	--	.04	.01	102	5	167	8.0	14.0

SUSQUEHANNA RIVER BASIN

01502770 SUSQUEHANNA RIVER NEAR GREAT BEND, PA.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	CHEM- ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	CHLORO- PHYLL A (UG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	SUS- PENDE SEDIM- ENT (MG/L)	SUS- PENDE SEDIM- ENT DIS- CHARGE (T/DAY)
OCT. 20...	2	15.0	7	1.0	1.9	40	30	4.3	4	11
NOV. 20...	1	12.0	6	2.5	1.8	2000	3900	9.8	--	--
DEC. 11...	25	14.0	12	5.8	1.2	930	4600	3.7	66	2160
JAN. 30...	20	12.8	9	7.3	1.1	750	2500	1.9	53	1140
FEB. 25...	70	12.6	10	4.6	.8	1600	E12000	5.2	269	21800
MAR. 25...	11	11.6	6	20	.6	420	260	2.5	29	648
APR. 14...	6	11.6	3	5.1	.6	73	36	13	7	85
MAY 20...	8	8.8	7	.9	4.2	65	390	17	21	206
JUNE 24...	5	8.4	10	1.1	13	320	120	2.2	19	59
JULY 22...	7	7.8	7	.5	17	730	920	3.2	10	37
AUG. 26...	3	8.0	7	4.3	3.9	200	280	3.8	12	25
SEP. 16...	8	9.8	3	1.1	1.6	500	340	4.1	5	18

SUSPENDED-SEDIMENT DISCHARGE, AUGUST 1973 TO SEPTEMBER 1974

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	TEMPER- ATURE (DEG C)	SUS- PENDE SEDIM- ENT (MG/L)	SUS- PENDE SEDIM- ENT DIS- CHARGE (T/DAY)
AUG., 1973					
08...	0830	471	24.0	16	20
23...	0945	513	16.0	8	11
OCT. 23...	1800	274	16.0	3	2.2
NOV. 27...	1330	1200	7.0	9	29
AUG., 1974					
27...	1345	500	23.0	13	18
SEP. 25...	0930	2730	12.0	9	66

2 Estimated value.

01503000 SUSQUEHANNA RIVER AT CONKLIN, N.Y.

LOCATION.--Lat 42°02'07", long 75°48'12", Broome County, at gaging station at abutment of former highway bridge, 500 ft (152 m) upstream from bridge on County Highway 304 at Conklin, 0.7 mi (1.1 km) downstream from Little Snake Creek, and 3.5 mi (5.6 km) downstream from Pennsylvania-New York State line.

DRAINAGE AREA.--2,232 mi² (5,781 km²).

PERIOD OF RECORD.--Chemical analyses: October 1954 to September 1955, September 1972 to May 1975 (discontinued).
Water temperatures: October 1954 to September 1955.

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
OCT. 09...	1300	1460	.14	.00	.14	.20	.34	.02
DEC. 05...	1330	3400	.60	.00	.60	.22	.82	.02
MAR. 06...	1230	4020	.73	.01	.74	.21	.95	.03
MAY 15...	1200	5240	.38	.01	.39	.34	.73	.04

DATE	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHLORO-PHYLL A (UG/L)	CHLORO-PHYLL B (UG/L)	FECAL COLIFORM (COL. PER 100 ML)
OCT. 09...	148	8.0	11.0	2	9.6	86	12	7.5	59
DEC. 05...	183	7.1	.0	3	11.6	80	2.0	2.0	230
MAR. 06...	102	7.2	1.0	4	12.1	85	.8	1.6	110
MAY 15...	122	7.0	14.0	7	10.0	94	.0	.0	160

DATE	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
OCT. 09...	3.9	<1	1	0	0	0	<.5	100
DEC. 05...	1.8	0	1	0	10	2	<.5	0
MAR. 06...	2.5	0	0	0	0	0	<.5	0
MAY 15...	3.2	1	0	10	10	2	<.5	10

PESTICIDE ANALYSES

DATE	ALDRIN IN BOTTOM MATERIAL (UG/KG)	CHLORDANE IN BOTTOM MATERIAL (UG/KG)	DDD IN BOTTOM MATERIAL (UG/KG)	DDE IN BOTTOM MATERIAL (UG/KG)	DDT IN BOTTOM MATERIAL (UG/KG)	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	ETHION IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR IN BOTTOM MATERIAL (UG/KG)
MAY 15...	.0	0	.0	.2	.0	.0	.0	.0	.0	.0

DATE	HEPTACHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	LINDANE IN BOTTOM MATERIAL (UG/KG)	MALATHION IN BOTTOM MATERIAL (UG/KG)	METHYL PARA-THION IN BOTTOM MATERIAL (UG/KG)	METHYL TRI-THION IN BOTTOM MATERIAL (UG/KG)	PARA-THION IN BOTTOM MATERIAL (UG/KG)	PCB IN BOTTOM MATERIAL (UG/KG)	TOXAPHENE IN BOTTOM MATERIAL (UG/KG)	TRI-THION IN BOTTOM MATERIAL (UG/KG)
MAY 15...	.0	.0	.0	.0	.0	.0	5	0	.0

SUSQUEHANNA RIVER BASIN

499

01508800 FACTORY BROOK AT HOMER, N.Y.

LOCATION (revised).--Lat 42°38'36", long 76°11'19", Cortland County, at bridge on State Highway 281, in Homer, 1.1 mi (1.8 km) upstream from mouth.

AREA.--15.8 mi² (40.9 km²).

PERIOD OF RECORD.--Chemical analyses: June 1972 to July 1975 (discontinued).

REMARKS.--Prior to November 1972 sampling site at bridge on State Highway 41, 0.1 mi (0.2 km) downstream.

CHEMICAL ANALYSES, OCTOBER 1974 TO JULY 1975

DATE	TIME	INSTANTANEOUS DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SiO ₂) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG)	DIS-SOLVED MAGNESIUM (MG)	TOTAL SODIUM (NA) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)
NOV. 04...	1100	12	3.6	80	0	39	--	10	--	3.5	--	1.2
NOV. 19...	1330	23	4.2	170	0	40	--	9.2	--	3.4	--	.8
DEC. 16...	1400	40	4.5	250	30	--	39	--	8.5	--	3.5	--
JAN. 20...	1400	22	4.6	130	0	--	45	--	9.8	--	3.9	--
MAR. 21...	1100	70	3.8	250	20	--	27	--	5.6	--	3.3	--
MAY 20...	0845	18	4.1	110	20	--	43	--	8.4	--	3.2	--
JULY 10...	1230	8.7	3.9	130	20	--	44	--	9.6	--	3.6	--

DATE	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)	CARBONATE (CO ₃) (MG/L)	ALKALINITY AS CaCO ₃ (MG/L)	DIS-SOLVED SULFATE (SO ₄) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL FLUORIDE (F) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
NOV. 04...	--	142	0	116	28	11	.2	--	2.6	.01	2.6
NOV. 19...	--	138	0	113	15	7.1	.0	--	3.2	.01	3.2
DEC. 16...	.8	126	0	103	16	8.3	.1	--	3.5	.00	3.5
JAN. 20...	.8	147	0	121	17	6.8	.2	--	3.8	.01	3.8
MAR. 21...	1.0	77	0	63	14	7.8	.2	--	2.3	.01	2.3
MAY 20...	.8	146	0	120	16	7.8	.2	--	3.0	.01	3.0
JULY 10...	1.1	160	0	131	17	8.0	--	.2	3.1	.01	3.1

DATE	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COL. PER 100 ML)
NOV. 04...	--	--	--	350	7.2	10.5	9.8	88	8700	7200	81200
NOV. 19...	--	--	--	360	7.6	8.0	10.7	90	340	260	46
DEC. 16...	143	130	29	300	8.1	1.0	12.6	89	230	200	71
JAN. 20...	160	150	32	365	8.0	.0	12.0	82	430	22	16
MAR. 21...	100	90	27	155	7.4	2.5	11.2	82	680	210	66
MAY 20...	155	140	22	322	7.8	10.0	--	--	81260	6585	89
JULY 10...	166	150	18	338	8.3	19.0	8.8	95	800	280	520

3 Results based on colony count outside the acceptable range (non-ideal colony count).

SUSQUEHANNA RIVER BASIN

01508803 WEST BRANCH TIOUGHNIAGA RIVER AT HOMER, N.Y.

LOCATION.--Lat 42°38'13", long 76°10'37", Cortland County, at gaging station at bridge on Wall Street, in Homer, and 3.4 mi (5.5 km) ^{up} stream from confluence with East Branch.

DRAINAGE AREA.--71.5 mi² (185 km²).

PERIOD OF RECORD.--Chemical analyses: July 1972 to July 1975 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1974 TO JULY 1975

DATE	TIME	INSTANTANEOUS DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
DEC. 16...	1230	196	4.1	220	20	40	9.6	7.2	.8	146
MAR. 21...	0930	317	3.3	250	20	36	8.8	6.4	1.1	122
MAY 20...	1040	112	2.8	260	40	48	12	8.0	1.0	174
JULY 10...	1100	38	4.0	130	30	43	13	10	1.0	173

DATE	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL FLUORIDE (F) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)
DEC. 16...	0	120	16	12	.1	--	1.6	.00	1.6	162
MAR. 21...	0	100	19	14	.1	--	1.5	.01	1.5	149
MAY 20...	0	143	15	15	.2	--	1.3	.02	1.3	188
JULY 10...	0	142	18	21	--	.2	1.3	.02	1.3	195

DATE	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PFR 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
DEC. 16...	140	20	335	7.8	1.5	12.0	85	440	170	43
MAR. 21...	130	26	211	7.4	1.5	10.6	76	750	78	130
MAY 20...	170	27	388	7.7	21.0	--	--	R3500	255	155
JULY 10...	160	19	383	7.8	21.0	7.7	86	1000	320	380

B Results based on colony count outside the acceptable range (non-ideal colony count).

SUSQUEHANNA RIVER BASIN

501

01509000 TIOUGHNIOGA RIVER AT CORTLAND, N.Y.

LOCATION.--Lat 42°35'48", long 76°09'28", Cortland County, at Cortland Sewage Treatment Plant at Cortland, 0.1 mi (0.2 km) downstream from bridge on State Highway 11, and 0.4 mi (0.6 km) downstream from gaging station.

DRAINAGE AREA.--292 mi² (756 km²), at gaging station including 14.0 mi² (36.3 km²), the flow from which may be diverted into De Ruyter Reservoir in Oswego River basin.

PERIOD OF RECORD.--Chemical analyses: October 1956 to September 1957.
Water temperatures: October 1956 to September 1975.

EXTREMES.--1974-75:
Water temperatures: Maximum, 20.0°C July 24; minimum, freezing point on Jan. 17, 21 and Feb. 5, 25.

Period of record:
Water temperatures: Maximum, 23.5°C July 22, 1957; minimum, freezing point on many days during winter periods.

REMARKS.--No water temperature record on July 25.

COOPERATION.--Water temperature records furnished by the city of Cortland.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

(ONCE-DAILY MEASUREMENT AT 0900)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	10.0	11.5	3.0	4.0	2.0	2.0	4.0	9.0	11.0	13.5	18.0	16.5
3	9.5	16.0	3.0	3.0	1.5	2.0	4.0	8.0	11.5	14.0	18.0	14.0
4	8.5	9.0	3.0	1.0	1.5	2.0	4.5	10.0	15.0	16.0	18.5	15.0
5	9.0	10.5	2.0	2.5	1.0	1.5	1.0	10.0	14.5	17.0	18.5	14.5
6	9.0	8.5	2.0	4.0	0.0	2.0	1.5	9.0	12.0	16.0	18.0	16.0
7	10.5	9.5	3.0	3.0	2.5	2.0	1.5	9.0	13.0	16.0	16.0	14.0
8	11.0	8.0	3.0	4.0	3.0	3.0	1.5	8.0	13.0	16.0	14.0	14.0
9	10.0	7.5	4.0	3.0	2.0	2.0	2.0	9.5	15.0	16.5	16.0	15.5
10	9.0	7.0	2.5	4.0	2.0	0.5	2.5	10.0	15.0	17.0	14.5	13.0
11	9.0	6.0	1.5	3.5	2.0	1.5	3.0	11.5	15.0	17.5	16.0	14.0
12	9.0	6.5	2.5	3.5	2.0	2.5	3.5	11.5	15.0	17.0	16.0	14.5
13	9.5	8.0	2.0	1.5	2.0	2.5	3.0	12.5	15.0	16.0	17.0	15.0
14	10.0	7.0	3.5	2.0	1.0	3.0	3.0	11.5	15.0	18.0	16.0	14.0
15	10.5	5.0	3.5	3.0	1.5	2.5	3.5	12.0	14.5	17.5	16.5	13.0
16	11.0	4.5	3.5	2.0	3.0	2.0	5.0	14.0	15.0	18.5	16.5	13.0
17	9.5	4.5	3.5	1.5	4.0	2.0	5.5	14.0	15.0	18.0	16.5	12.5
18	8.5	4.5	3.0	0.0	4.0	3.0	5.0	14.0	15.0	18.5	17.0	14.0
19	7.5	5.0	3.5	1.0	5.0	3.5	5.5	13.5	17.0	18.5	18.0	14.0
20	7.5	5.5	2.5	3.0	3.5	3.5	7.5	14.0	15.0	18.5	18.0	14.0
21	7.0	6.0	3.0	1.0	3.0	2.5	5.5	14.5	18.5	18.5	18.5	13.5
22	7.0	5.0	3.0	0.0	4.0	2.5	4.0	14.0	16.0	19.0	18.5	13.5
23	7.0	3.0	3.5	1.0	5.0	3.5	5.0	14.5	15.5	19.0	18.5	13.0
24	9.0	3.5	3.0	1.0	4.0	3.0	6.0	14.5	16.0	17.0	17.0	13.0
25	7.5	4.5	4.0	1.0	2.0	3.0	8.0	15.0	15.5	20.0	17.5	13.0
26	9.0	4.0	3.5	3.0	0.0	4.5	8.0	15.5	16.0	---	17.0	13.5
27	9.0	2.0	3.0	2.0	1.0	2.0	7.0	16.0	16.0	18.5	18.0	15.0
28	8.5	2.0	3.5	2.0	1.0	1.5	6.0	17.0	15.5	17.5	18.0	14.5
29	8.5	2.0	4.0	2.0	1.0	2.0	7.0	15.5	13.0	17.0	17.0	13.5
30	9.0	2.5	4.0	3.5	---	2.5	7.5	16.0	13.0	16.5	19.0	12.5
31	10.0	2.5	4.5	5.0	---	3.0	9.0	14.5	14.0	16.5	17.5	13.0
AVERAGE	11.0	---	3.5	3.0	---	2.0	---	15.5	---	19.0	17.0	---
	9.0	6.0	3.0	2.5	2.5	2.5	4.5	12.5	14.5	17.5	17.0	14.0

SUSQUEHANNA RIVER BASIN

01509150 GRIDLEY CREEK ABOVE EAST VIRGIL, N.Y.

LOCATION.--Lat 42°30'04", long 76°07'38", Cortland County, at gaging station on right bank 100 ft (30 m) downstream from bridge on Tone Road, 250 ft (75 m) south of State Highway 90, 1.6 mi (2.6 km) northwest of East Virgil, and 3.5 mi (5.6 km) upstream from mouth.

DRAINAGE AREA.--10.4 mi² (26.9 km²).

PERIOD OF RECORD.--Chemical analyses: December 1974 to September 1975.

CHEMICAL ANALYSES, DECEMBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
DEC. 16...	1030	22	4.5	320	60	17	3.7	3.7	.5	45
JAN. 20...	1100	12	4.7	70	0	21	4.2	4.2	.7	60
FEB. 19...	0930	21	4.2	210	10	18	3.6	6.5	1.1	45
MAR. 21...	1400	56	4.0	380	20	10	2.1	2.8	.7	21
APR. 23...	0900	28	4.0	90	10	14	2.9	3.0	.6	38
MAY 16...	1100	45	4.2	340	20	13	2.0	3.3	.5	36
20...	1015	19	4.2	150	10	18	2.5	3.8	1.0	56
JUNE 19...	1330	7.6	4.1	260	10	26	5.1	4.8	1.0	88
JULY 10...	0900	2.1	5.0	80	10	36	7.2	6.1	1.0	131
AUG. 01...	0900	1.6	4.4	530	20	41	8.1	6.5	1.0	142
SEP. 18...	0900	4.7	4.4	130	10	30	7.0	5.8	1.0	106

DATE	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL FLUORIDE (F) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)
DEC. 16...	0	37	13	5.9	.1	--	.80	.00	.80	70
JAN. 20...	0	49	14	5.6	.1	--	.99	.00	.99	84
FEB. 19...	0	37	12	12	.1	--	.81	.01	.82	80
MAR. 21...	0	17	11	4.9	.1	--	.56	.00	.56	46
APR. 23...	0	31	18	7.1	.2	--	.53	.00	.53	68
MAY 16...	0	30	10	6.0	.2	--	.30	.01	.31	57
20...	0	46	11	5.6	.3	--	.37	.01	.38	74
JUNE 19...	0	72	15	8.3	--	.0	.55	.01	.56	108
JULY 10...	0	107	16	9.3	--	.2	.52	.00	.52	145
AUG. 01...	0	116	13	9.6	--	.0	.57	.01	.58	154
SEP. 18...	0	87	19	12	--	.1	.40	.00	.40	132

DATE	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
DEC. 16...	58	21	140	7.4	1.0	13.8	97	1300	44	11
JAN. 20...	70	21	177	7.4	.0	13.9	95	400	14	14
FEB. 19...	60	23	163	7.4	.0	13.1	90	1400	330	310
MAR. 21...	34	16	75	6.8	4.0	10.6	80	320	818	86
APR. 23...	47	16	111	7.1	3.0	13.5	100	490	42	85
MAY 16...	41	11	109	7.6	12.5	9.2	86	81200	180	62
20...	55	9	143	8.4	13.0	--	--	460	43	21
JUNE 19...	86	14	220	7.6	17.0	8.3	86	520	8110	81
JULY 10...	120	12	277	8.1	14.0	9.4	90	600	190	540
AUG. 01...	140	19	308	7.8	15.0	8.4	82	370	825	430
SEP. 18...	100	17	234	7.8	12.0	10.0	93	81600	53	74

SUSQUEHANNA RIVER BASIN

503

01513107 SUSQUEHANNA RIVER AT C.F.J. MEMORIAL BRIDGE AT JOHNSON CITY, N.Y.

LOCATION.--Lat 42°06'13", long 75°58'10", Broome County, at C.F.J. Memorial Bridge in Johnson City and 3.0 mi (4.8 km) downstream from Chenango River.

DRAINAGE AREA.--3,891 mi² (10,078 km²), below mouth of Chenango River.

PERIOD OF RECORD.--Chemical analyses: August 1969 to May 1975 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)
OCT. 09...	1130	.47	.01	.48	.87	1.4	.02	280	8.1	10.0	1	10.5
DEC. 05...	1130	.84	.00	.84	.56	1.4	.02	240	7.4	.0	3	12.8
MAR. 06...	1130	1.2	.01	1.2	.32	1.5	.04	162	7.5	1.0	3	12.3
MAY 15...	1030	.62	.01	.63	.34	.97	.05	183	7.1	14.0	7	10.2

DATE	PERCENT SATURATION	CHLORO-PHYLL A (UG/L)	CHLORO-PHYLL B (UG/L)	FECAL COLIFORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
OCT. 09...	93	9.0	9.0	81400	5.2	<1	16	0	0	2	2.1	80
DEC. 05...	88	2.8	2.0	8170	2.4	1	1	0	0	2	<.5	20
MAR. 06...	87	2.4	3.2	65	4.4	0	1	0	0	0	<.5	10
MAY 15...	96	.0	.0	200	2.5	0	1	0	10	0	<.5	10

PESTICIDE ANALYSES

DATE	ALDRIN IN BOTTOM MA-TERIAL (UG/KG)	CHLORDANE IN BOTTOM MA-TERIAL (UG/KG)	DDD IN BOTTOM MA-TERIAL (UG/KG)	DDE IN BOTTOM MA-TERIAL (UG/KG)	DDT IN BOTTOM MA-TERIAL (UG/KG)	DI-AZINON IN BOTTOM MA-TERIAL (UG/KG)	DI-ELDRIN IN BOTTOM MA-TERIAL (UG/KG)	ENDRIN IN BOTTOM MA-TERIAL (UG/KG)	ETHION IN BOTTOM MA-TERIAL (UG/KG)	HEPTACHLOR IN BOTTOM MA-TERIAL (UG/KG)
MAY 15...	.0	3	.5	.3	2.0	.0	.4	.0	.0	.0

DATE	HEPTACHLOR EPOXIDE IN BOTTOM MA-TERIAL (UG/KG)	LINDANE IN BOTTOM MA-TERIAL (UG/KG)	MALATHION IN BOTTOM MA-TERIAL (UG/KG)	METHYL PARATHION IN BOTTOM MA-TERIAL (UG/KG)	METHYL THION IN BOTTOM MA-TERIAL (UG/KG)	PARATHION IN BOTTOM MA-TERIAL (UG/KG)	PCB IN BOTTOM MA-TERIAL (UG/KG)	TOXAPHENE IN BOTTOM MA-TERIAL (UG/KG)	TRITHION IN BOTTOM MA-TERIAL (UG/KG)
MAY 15...	.0	.0	.0	.0	.0	.0	8	0	.0

Results based on colony count outside the acceptable range (non-ideal colony count).

01513110 SUSQUEHANNA RIVER AT JOHNSON CITY, N.Y.

LOCATION.--Lat 42°06'37", long 75°58'30", Broome County, at intake of the New York State and Gas Corporation, Goudey Station, at Johnson City, 100 ft (30 m) upstream from Little Choconut Creek, 0.5 mi (0.8 km) downstream from C.F.J. Memorial Bridge, 3.5 mi (5.6 km) downstream from Chenango River and 4.8 mi (7.7 km) upstream from former gaging station (01513500) at Vestal.

DRAINAGE AREA.--3,891 mi² (10,078 km²), below mouth of Chenango River.

PERIOD OF RECORD.--Water temperatures: October 1955 to September 1974. Prior to October 1967, published as 01513500, "at Vestal."

EXTREMES.--1974-75:

Water temperatures: Maximum, 27.5°C Aug. 3, 4; minimum, freezing point on many days during December to March.

Period of record:

Water temperatures: Maximum, 28.0°C July 29, 1963, Aug. 18, 1965 and July 18, 1968; minimum freezing point on many days during winter periods.

REMARKS.--During winter periods water is at times recirculated from inside the plant through the intake to prevent icing conditions, thus resulting in reported water temperatures which are slightly above actual river temperatures. No record Oct. 1-5, Apr. 1, June 3-16, July 13-14.

COOPERATION.--Water temperature records furnished by the New York State Electric and Gas Corporation.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
(ONCE-DAILY MEASUREMENT AT 0800)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	11.0	0.0	0.0	0.0	0.0	---	11.5	21.0	23.5	25.5	19.0
2	---	12.0	0.5	0.0	0.0	0.0	3.5	10.0	18.5	23.5	27.0	18.0
3	---	11.0	1.0	0.5	0.0	0.0	4.0	10.0	---	24.5	27.5	18.0
4	---	11.5	0.5	0.5	0.0	0.5	1.0	11.5	---	23.0	27.5	18.0
5	---	11.0	0.0	0.5	0.0	1.0	0.5	9.5	---	23.0	26.0	18.0
6	11.0	9.0	0.5	0.5	0.0	1.5	0.5	10.0	---	24.0	26.0	19.0
7	12.0	8.5	0.5	0.5	0.5	0.0	0.5	9.0	---	24.5	22.0	19.0
8	10.5	7.0	1.5	0.5	0.5	0.5	0.5	10.5	---	25.0	19.5	19.0
9	10.0	7.0	2.0	1.5	0.5	1.0	1.0	11.5	---	25.5	21.0	19.0
10	10.0	6.5	1.0	0.5	0.5	2.0	2.0	13.0	---	24.0	23.0	16.0
11	11.0	6.0	0.5	1.5	0.5	2.0	3.5	13.0	---	23.5	23.5	17.0
12	12.0	6.0	1.0	1.5	0.5	2.0	4.0	13.5	---	23.0	23.5	19.0
13	12.0	6.0	1.5	0.5	0.5	0.5	4.0	13.5	---	---	23.5	16.0
14	12.0	5.0	1.5	0.5	0.5	0.5	4.0	13.0	---	---	23.5	14.0
15	13.0	4.5	1.5	0.5	0.5	2.0	5.5	14.0	---	23.0	23.5	14.0
16	11.0	4.0	1.0	0.5	0.5	3.5	6.0	15.5	---	25.0	22.0	14.0
17	10.0	3.5	0.5	0.5	1.0	4.5	7.0	15.5	23.0	24.5	19.5	15.0
18	9.5	3.5	0.5	0.5	1.5	4.0	8.0	15.5	22.0	25.0	21.5	16.0
19	6.0	4.0	0.5	0.5	1.5	4.0	9.0	15.5	24.0	25.5	21.5	15.0
20	5.0	5.5	0.5	0.5	0.5	1.5	8.5	16.5	22.0	24.0	20.5	16.0
21	5.0	5.0	0.5	0.0	0.5	1.5	6.5	18.5	21.5	24.0	21.0	17.0
22	4.5	3.5	0.5	0.5	1.5	2.0	5.5	19.5	22.0	24.0	21.0	16.0
23	6.0	2.0	0.5	0.5	3.0	4.5	6.5	21.0	24.0	24.5	20.5	16.0
24	5.5	1.5	0.5	0.5	1.5	3.0	8.5	21.5	25.5	25.5	20.5	16.0
25	6.0	3.5	0.5	0.0	1.0	3.5	9.5	22.0	25.5	23.0	19.5	14.0
26	6.0	2.0	0.5	0.0	0.5	1.0	8.0	20.5	25.0	21.0	23.5	13.0
27	6.0	0.5	0.5	0.0	0.5	0.5	8.0	21.5	23.0	21.5	24.0	14.0
28	6.0	0.5	0.5	0.0	0.5	1.5	7.0	19.5	20.5	22.0	22.0	14.0
29	6.5	0.5	0.5	0.0	---	2.0	8.5	19.5	21.0	23.5	21.5	13.0
30	9.0	0.5	0.5	0.0	---	1.0	9.0	21.0	23.5	23.5	21.0	13.0
31	10.0	---	0.5	0.0	---	1.0	---	19.5	---	24.5	19.5	---
AVERAGE	8.5	5.5	1.0	0.5	0.5	2.0	5.0	15.5	---	24.0	22.5	16.0

01515050 SUSQUEHANNA RIVER AT SAYRE, PA.

LOCATION.--Lat 41°58'52", long 76°30'26", Bedford County, Pa., at bridge on East Lockhart Street in Sayre, 0.4 mi (2.0 km) downstream from gaging station (01515000) at Waverly, New York.

DRAINAGE AREA.--4,770 mi² (12,350 km²).

PERIOD OF RECORD.--Chemical analyses: July 1974 to September 1975.

Water temperatures: July 1974 to September 1975.

Sediment records: August 1974 to September 1975.

EXTREMES.--1974-75:

Specific conductance: Maximum daily, 251 micromhos July 18; minimum daily, 79 micromhos Sept. 26.

Water temperatures: Maximum daily, 30.5°C July 31; minimum daily, 1.0°C Jan. 15, 17, 22, Feb. 1, 5, 11.

Sediment concentrations: Maximum daily, 780 mg/l Feb. 25; minimum daily, 1 mg/l on several days during November and February.

Sediment discharges: Maximum daily, 176,000 tons (159,667 tonnes) Sept. 26; minimum daily, 4.4 tons (4.0 tonnes) Nov. 3.

Period of record:

Specific conductance: Maximum daily, 276 micromhos Aug. 27, 1974; minimum daily, 79 micromhos Sept. 26, 1975.

Water temperatures: Maximum daily, 30.5°C July 31, 1975; minimum daily, 1.0°C Jan. 15, 17, 22, Feb. 1, 5, 11, 1975.

Sediment concentrations: Maximum daily, 780 mg/l Feb. 25, 1975; minimum daily, 1 mg/l on several days during November 1974 and February 1975.

Sediment discharges: Maximum daily, 176,000 tons (159,667 tonnes) Sept. 26, 1975; minimum daily, 4.4 tons (4.0 tonnes) Nov. 3, 1974.

REMARKS.--Mean discharge given is from 01515000 Susquehanna River at Waverly.

CHEMICAL ANALYSES, AUGUST 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CF5)	TOTAL IRON (FE) (UG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- RONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
AUG., 1974											
28...	1040	756	0	116	0	95	19	18	.14	--	--
SEP.											
24...	1340	6200	--	77	0	63	12	7.2	.32	--	--
OCT.											
24...	1020	2200	110	85	0	70	26	9.0	.06	--	--
NOV.											
21...	1120	13600	230	55	0	45	18	7.0	.84	--	--
DEC.											
12...	0950	20160	390	38	0	31	17	5.5	.66	--	--
JAN., 1975											
29...	1415	11000	180	46	0	38	17	8.0	.97	--	--
FEB.											
25...	1615	78400	960	20	0	16	13	5.0	.72	--	--
MAR.											
25...	1545	20500	270	41	0	34	15	6.0	.97	--	--
APR.											
15...	1000	9140	140	62	0	51	15	8.0	1.0	--	--
MAY											
20...	1600	8000	140	64	0	52	15	7.5	.51	.02	.53
JUNE											
25...	0900	2250	110	81	6	76	12	11	.29	--	--
JULY											
22...	1530	2530	150	95	0	78	17	15	.41	--	--
AUG.											
26...	1545	2078	120	78	2	67	17	16	.43	--	--
SEP.											
16...	1545	2854	200	80	0	66	17	10	.45	--	--

DATE	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDED SOLIDS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)
AUG., 1974										
28...	.05	.81	.86	--	.15	.04	142	--	20	266
SEP.										
24...	.07	.40	.47	--	.08	.03	100	--	25	179
OCT.										
24...	.09	.38	.47	--	.05	.04	116	--	5	210
NOV.										
21...	.12	.32	.44	--	.08	.03	68	--	23	155
DEC.										
12...	.07	.39	.46	--	.11	.04	67	--	40	120
JAN., 1975										
29...	.12	.32	.44	--	.06	.03	80	--	16	137
FEB.										
29...	.18	.95	1.1	--	.34	.14	51	--	597	82
MAR.										
25...	.02	.33	.35	--	.07	.02	64	--	37	120
APR.										
15...	.05	.24	.29	--	.07	.04	92	--	11	158
MAY										
20...	.01	.30	.31	.84	.05	.02	99	--	26	170
JUNE										
25...	.08	.72	.80	--	.11	.01	132	14	15	220
JULY										
22...	.03	.71	.74	--	.13	.03	151	--	40	215
AUG.										
26...	.03	.55	.58	--	.06	.04	143	--	7	212
SEP.										
16...	.06	.44	.50	--	.06	.03	117	--	7	187

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SUSQUEHANNA RIVER BASIN

01515050 SUSQUEHANNA RIVER AT SAYRE, PA.--Continued

CHEMICAL ANALYSES, AUGUST 1974 TO SEPTEMBER 1975

DATE	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	CHEM- ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	CARBON DIOXIDE (CO ₂) (MG/L)	CHLORO- PHYLL A (UG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
AUG., 1974										
28...	8.3	23.0	--	7.0	21	.9	--	50	1300	5.0
SEP.										
24...	7.7	14.5	10	11.0	15	2.5	6.10	350	260	4.8
OCT.										
24...	7.5	6.0	1	12.6	7	4.3	1.10	27	37	4.0
NOV.										
21...	7.3	5.5	1	12.2	5	4.4	2.50	1400	9300	3.7
DEC.										
12...	7.2	2.5	15	13.0	13	3.8	1.20	1600	5800	4.3
JAN., 1975										
29...	7.2	2.0	7	13.4	7	4.6	1.10	650	350	2.0
FEB.										
25...	6.9	2.0	100	12.8	51	4.0	2.40	1300	E10000	7.8
MAR.										
25...	7.3	5.0	11	12.2	7	3.3	.500	520	220	2.2
APR.										
15...	7.2	5.5	6	11.6	3	6.3	.700	46	70	6.0
MAY										
20...	8.0	22.0	7	8.6	18	1.0	5.10	84	200	2.7
JUNE										
25...	8.4	22.5	4	7.6	10	.6	25.0	E26	E4	2.6
JULY										
22...	8.7	27.0	7	9.8	10	.3	19.0	900	1900	5.2
AUG.										
26...	8.7	25.5	3	10.6	9	.3	9.00	160	720	--
SEP.										
16...	8.4	15.5	7	10.0	7	.5	2.10	170	720	4.9

SUSQUEHANNA RIVER BASIN

01515050 SUSQUEHANNA RIVER AT SAYRE, PA.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM at 25°C) JULY TO SEPTEMBER 1974

DAY	JUL	AUG	SEP
1	---	227	244
2	---	205	244
3	---	206	236
4	---	211	199
5	---	204	176
6	---	205	175
7	---	215	161
8	---	220	181
9	---	226	173
10	---	233	183
11	---	239	193
12	---	237	192
13	---	239	210
14	---	237	220
15	---	241	208
16	---	251	221
17	---	252	211
18	---	260	215
19	---	261	216
20	---	266	202
21	---	266	---
22	---	265	---
23	---	266	---
24	---	271	160
25	---	257	155
26	---	272	163
27	---	276	140
28	---	252	167
29	---	273	174
30	---	269	192
31	214	254	---
AVERAGE	---	244	193

SPECIFIC CONDUCTANCE (MICROMHOS/CM at 25°C) WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	173	209	157	192	124	117	145	175	210	228	222	182
3	165	222	162	200	---	116	150	176	---	---	220	160
4	186	223	167	200	---	113	157	---	212	225	199	182
5	177	211	170	195	---	132	126	---	---	---	221	174
6	161	213	160	193	152	142	108	---	193	223	---	181
7												
8	182	219	164	197	168	160	118	135	147	238	224	182
9	176	187	---	188	180	171	122	110	143	239	239	179
10	179	155	161	191	181	168	131	105	---	225	---	201
11	174	144	112	196	---	167	148	110	148	227	224	200
12	180	161	103	181	---	---	134	126	143	221	231	187
13												
14	167	159	106	112	193	174	122	133	---	223	---	193
15	182	163	113	137	---	184	---	137	174	---	224	180
16	164	138	118	112	---	185	163	139	177	240	211	177
17	200	131	142	127	198	190	154	141	171	236	220	197
18	205	120	143	118	199	---	162	143	170	240	222	198
19												
20	192	126	---	128	197	187	164	147	173	238	224	189
21	205	---	149	141	200	185	161	137	170	249	214	---
22	205	137	148	---	207	179	164	---	207	251	181	194
23	199	145	155	---	200	180	---	140	203	247	222	---
24	179	147	153	---	182	152	136	---	210	246	216	201
25												
26	200	138	---	---	181	109	132	141	205	---	226	182
27	181	---	167	169	---	108	134	170	---	221	233	186
28	199	---	---	177	167	113	140	---	222	177	224	164
29	205	126	169	---	112	118	147	198	---	202	227	161
30	208	137	168	---	88	118	162	193	224	196	242	108
31												
AVERAGE	189	160	153	160	---	145	144	---	---	222	216	171

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SUSQUEHANNA RIVER BASIN

01515050 SUSQUEHANNA RIVER AT SAYRE, PA.--Continued

TEMPERATURE (°C) OF WATER, JULY TO SEPTEMBER 1974

DAY	JUL	AUG	SEP
1	---	24.0	22.0
2	---	24.0	21.5
3	---	24.0	22.0
4	---	24.0	19.0
5	---	23.5	19.0
6	---	24.0	18.0
7	---	24.5	17.5
8	---	24.5	19.0
9	---	24.0	17.5
10	---	24.0	19.5
11	---	24.5	20.5
12	---	24.0	22.0
13	---	25.0	23.0
14	---	26.5	22.0
15	---	25.5	20.5
16	---	26.0	19.5
17	---	24.5	19.0
18	---	25.0	19.5
19	---	25.0	---
20	---	25.5	---
21	---	26.5	---
22	---	25.0	---
23	---	26.0	---
24	---	25.0	14.0
25	---	24.0	13.0
26	---	24.5	14.0
27	---	25.0	16.0
28	---	23.0	16.0
29	---	22.0	17.0
30	---	24.0	15.5
31	24.5	23.0	---
AVERAGE	---	24.5	18.5

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.5	13.5	2.0	2.5	1.0	2.5	6.0	13.5	22.0	25.0	29.5	22.0
2	12.5	14.0	3.0	2.5	---	2.0	6.0	13.5	---	---	---	20.5
3	11.0	14.0	3.0	2.0	---	2.0	5.5	---	23.0	25.5	---	29.0
4	10.5	13.0	3.0	2.0	---	2.0	5.0	---	---	---	---	21.0
5	13.5	12.0	2.0	3.0	1.0	2.0	4.5	---	22.0	26.0	---	21.0
6	14.0	12.0	2.0	2.0	1.5	2.0	4.0	11.5	17.0	27.0	---	21.5
7	13.0	11.0	---	2.5	2.0	3.0	3.5	11.5	18.0	28.0	---	21.0
8	13.0	9.5	3.5	2.0	1.5	3.5	3.5	13.5	---	22.0	---	21.0
9	11.0	8.5	3.5	2.5	---	2.0	4.0	15.0	17.0	27.0	---	20.5
10	13.0	9.5	4.0	3.5	---	---	4.0	16.0	17.5	27.0	---	20.0
11	13.0	9.0	3.5	3.0	1.0	3.0	4.5	16.0	---	27.0	---	18.5
12	14.0	9.0	4.0	3.5	---	3.0	---	15.0	19.0	---	---	18.0
13	14.5	8.0	4.0	3.5	---	3.5	6.0	15.5	20.0	26.5	---	16.5
14	14.0	7.0	4.0	2.0	2.0	3.0	6.0	15.5	20.5	26.0	---	15.0
15	13.5	6.0	4.0	1.0	2.0	---	6.5	16.5	21.0	27.0	---	15.0
16	11.5	6.5	---	1.5	2.0	3.5	8.5	19.0	22.0	27.0	25.5	15.5
17	13.0	---	4.0	1.0	2.0	4.0	10.0	19.0	24.0	27.5	25.5	15.0
18	10.0	6.5	4.0	---	2.5	4.5	10.0	---	25.0	28.0	24.0	15.0
19	8.5	6.0	3.5	---	2.5	4.5	---	20.0	25.5	27.5	25.0	15.0
20	8.0	7.0	3.0	---	2.5	6.0	10.5	---	26.0	27.5	25.0	15.0
21	7.0	6.0	---	---	3.0	4.0	10.0	21.0	26.0	---	25.0	15.0
22	9.5	---	4.0	1.0	---	4.5	10.0	21.5	---	27.0	25.0	15.0
23	8.5	---	---	2.0	3.0	4.5	11.5	---	25.5	27.0	25.0	16.0
24	8.0	5.0	3.0	---	3.5	5.0	10.0	22.0	---	27.0	25.0	14.0
25	8.5	5.0	3.0	---	3.5	5.0	10.0	23.0	25.0	26.5	25.0	14.0
26	9.5	4.0	3.0	2.0	3.5	5.0	9.5	---	24.0	26.0	25.5	14.5
27	9.0	3.0	2.0	1.5	3.0	5.0	9.0	23.0	23.0	25.5	26.0	15.0
28	9.0	3.0	3.0	1.5	3.0	5.0	11.0	23.0	24.0	25.0	---	15.0
29	10.0	3.0	3.5	2.5	---	5.0	11.0	---	24.5	---	24.0	15.0
30	11.0	2.5	3.5	2.0	---	4.5	12.5	---	---	30.0	23.0	15.0
31	12.0	---	3.0	2.0	---	5.0	---	---	---	30.5	---	15.0
AVERAGE	11.0	8.0	3.5	2.0	---	3.5	7.5	---	---	27.0	26.0	17.5

SUSQUEHANNA RIVER BASIN

01515050 SUSQUEHANNA RIVER AT SAYRE, PA.--Continued

SUSPENDED-SEDIMENT DISCHARGE, AUGUST 1974 TO SEPTEMBER 1975

DAY	JULY			AUGUST			SEPTEMBER		
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1									
2	3070			3220	37	322	2180	26	153
3	3070			3270	35	309	2260	29	177
4	2600			2370	23	147	2720	39	286
5	4890			1930	19	99	4000	64	691
	12000			1750	16	76	7760	76	1590
6									
7	11200			1650	16	71	7330	48	950
8	8400			1570	15	64	4920	33	438
9	6600			1480	13	52	3630	20	196
10	5400			1370	12	44	2970	18	144
	4400			1240	16	54	2490	16	108
11									
12	3580			1120	14	42	2140	13	75
13	3090			1060	15	43	1930	10	52
14	2780			1120	10	30	1790	9	43
15	2490			1150	12	37	1670	9	41
	2430			1020	17	47	2160	10	58
16									
17	2410			933	11	28	3140	14	119
18	2320			896	10	24	2920	8	63
19	2220			848	12	27	2350	4	25
20	2000			812	14	31	1970	5	27
	1720			800	13	28	1760	5	24
21									
22	1520			778	17	36	1810	4	20
23	1390			767	18	37	2810	10	76
24	1340			745	21	42	5830	27	425
25	1530			734	25	50	6360	24	412
	1720			767	26	54	4610	16	199
26									
27	1710			789	23	49	3560	10	96
28	1820			824	26	58	3090	8	67
29	1970			933	22	55	2950	7	56
30	1730			908	20	49	2830	5	38
31	1590			1160	17	53	2920	4	32
	1950			1870	18	91	---	---	---
MONTH	104940								
YEAR	2805788			39884	---	2149	98860	---	6681

8830.0

DAY	OCTOBER			NOVEMBER			DECEMBER		
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1									
2	3280								
3	3700	5	44	1660	2	9.0	7800	4	84
4	3530	6	60	1640	2	8.9	7250	3	59
5	3780	5	48	1620	1	4.4	7390	3	60
	3560	5	51	1660	2	9.0	7630	3	62
		4	38	1910	4	21	7150	2	39
6									
7	3170	4	34	4490	20	242	6500	2	35
8	2950	4	32	8330	36	810	6050	2	33
9	2810	5	38	8400	25	567	13200	60	2140
10	2540	5	34	6790	16	293	37300	158	15900
	2300	4	25	5790	9	141	37300	130	13100
11									
12	2100	6	34	5080	7	96	29300	65	5140
13	1980	6	32	4520	6	73	22100	38	2270
14	1890	5	26	7800	22	463	17900	25	1210
15	1840	3	15	14800	73	2920	14800	14	559
	1870	4	20	16000	69	2980	13000	10	351
16									
17	1910	3	15	13700	35	1290	11700	7	221
18	2260	4	24	11300	22	671	12400	10	335
19	2950	5	40	9600	15	389	12700	9	309
20	3220	5	43	8540	8	184	11100	5	150
	2860	3	23	8180	6	133	9530	4	103
21									
22	2450	2	13	12500	26	877	8470	4	91
23	2220	3	18	15900	43	1850	7830	4	85
24	2080	3	17	15400	35	1460	7320	3	59
25	1970	4	21	12400	19	636	6800	4	73
	1980	3	16	11900	12	386	6890	3	56
26									
27	1970	3	16	13500	14	510	6600	3	53
28	2000	4	22	12600	10	340	6000	2	32
29	2000	4	22	10600	7	200	5600	4	60
30	1950	4	21	9270	5	125	5400	4	58
31	1800	3	15	8540	4	92	5400	3	58
	1730	3	14	---	---	---	5200	3	42
MONTH	76650	---	871	264420	---	17780.3	363610	---	42827

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SUSQUEHANNA RIVER BASIN

01515050 SUSQUEHANNA RIVER AT SAYRE, PA.--Continued

SUSPENDED-SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	JANUARY			FEBRUARY			MARCH		
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	5000	3	40	15000	30	1220	24200	29	1890
2	4700	2	25	11600	13	407	20100	22	1190
3	4500	2	24	9000	6	146	16900	24	1100
4	4100	3	33	6400	2	35	13700	22	814
5	4300	2	23	6600	1	18	11800	15	478
6	4100	4	44	6800	1	18	9710	8	210
7	4000	2	22	6600	1	18	8780	4	95
8	4010	2	22	6200	6	100	8790	3	71
9	5400	9	131	5600	3	45	9490	4	102
10	11300	28	854	4800	2	26	8360	3	68
11	18900	65	3320	4800	2	26	7120	3	58
12	35700	98	9450	4400	1	12	6820	4	74
13	33800	64	5840	4200	3	34	6820	3	55
14	25900	36	2520	4000	7	76	7490	5	101
15	17400	18	846	3900	5	53	7800	6	126
16	13400	11	398	4000	2	22	7120	3	58
17	10900	6	177	3900	1	11	6470	3	52
18	9400	4	102	4200	3	34	7190	6	116
19	8400	4	91	7000	5	94	8150	10	220
20	8600	5	116	8150	3	66	19600	100	5290
21	7400	3	60	7360	1	20	31400	130	11000
22	5600	5	76	6820	1	18	28300	72	5500
23	6000	2	32	10600	55	1570	22900	48	2970
24	5800	4	63	38300	700	72400	19600	30	1590
25	6800	4	73	76200	780	160000	20400	35	1930
26	12900	65	2260	63200	220	37500	22100	38	2270
27	15900	55	2360	45800	88	10900	20600	31	1720
28	13100	24	849	31800	51	4380	16100	24	1040
29	11100	20	599	---	---	---	13300	17	610
30	17300	84	3920	---	---	---	13100	16	566
31	19300	72	3750	---	---	---	13000	15	526
MONTH	355010	---	38120	407230	---	289249	437210	---	41890
DAY	APRIL			MAY			JUNE		
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	11600	12	376	6560	12	213	3080	15	125
2	10300	10	278	7190	18	349	3330	15	126
3	10900	23	677	8830	25	596	3220	12	104
4	22300	100	6020	10100	24	654	2930	12	95
5	26000	104	7300	15400	50	2080	3220	14	122
6	20800	49	2750	17700	58	2770	7630	60	1240
7	16500	30	1340	30200	260	21200	13000	80	2810
8	14900	20	805	28000	125	9450	10900	50	1770
9	13400	15	543	21500	61	3540	8180	35	773
10	11900	15	482	15500	38	1590	6240	37	539
11	11300	16	488	12700	36	1230	4990	26	350
12	10900	15	441	11200	36	1090	4790	22	285
13	10500	13	369	11500	35	1090	5960	17	274
14	9820	13	345	12400	33	1100	6090	13	214
15	9080	12	294	11700	31	979	5930	12	192
16	9160	16	396	11400	29	893	5110	6	83
17	9530	19	489	11800	33	1050	4280	4	46
18	10300	24	667	10500	31	879	3620	5	49
19	11400	27	831	9120	27	665	3300	7	62
20	12700	30	1030	8110	26	569	3100	6	50
21	14100	28	1070	7220	17	331	3100	7	59
22	12700	26	892	6430	16	278	2720	8	69
23	10500	22	624	5900	13	207	2350	10	63
24	9120	18	443	5530	11	164	2140	12	69
25	9790	21	555	5200	13	183	2040	15	83
26	11200	26	786	4190	13	147	1930	14	73
27	10300	27	751	3870	14	146	1800	14	68
28	8790	20	475	4220	14	160	1690	13	59
29	7800	16	337	4070	12	132	1640	15	66
30	6960	14	263	3560	13	125	1560	14	59
31	---	---	---	3220	13	113	---	---	---
MONTH	364550	---	32117	324820	---	53973	129870	---	9667

SUSQUEHANNA RIVER BASIN

01515050 SUSQUEHANNA RIVER AT SAYRE, PA.—Continued

SUSPENDED—SEDIMENT DISCHARGE, WATER YEAR, OCTOBER 1974 TO SEPTEMBER 1975

DAY	JULY			AUGUST			SEPTEMBER		
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	1490	14	56	1260	16	54	4670	23	290
2	1390	13	49	1120	15	45	4980	18	242
3	1350	12	44	1030	13	36	3700	9	90
4	1320	15	53	962	13	34	2790	5	38
5	1240	16	54	936	14	35	2220	8	48
6									
7	1170	14	44	1000	14	38	2040	10	55
8	1160	11	34	1140	14	43	1930	10	52
9	1100	9	27	1180	15	48	1750	8	38
10	1030	14	39	1300	15	53	1750	10	47
	1150	20	62	1470	22	87	1870	7	35
11									
12	1470	20	79	1560	20	84	1780	14	67
13	1460	18	71	1430	18	69	2120	14	80
14	1330	16	57	1320	15	53	3450	14	130
15	1210	15	49	1330	16	57	4190	17	192
	1260	16	54	1290	16	56	3640	14	138
16									
17	1230	18	60	1460	21	83	2950	9	72
18	1210	15	49	2100	25	142	2470	10	67
19	1180	12	38	1800	18	87	2120	13	74
20	1120	12	36	1470	16	64	2120	12	69
	1410	14	53	1230	13	43	2470	15	100
21									
22	1950	18	95	1070	12	35	3640	13	128
23	2450	38	251	962	15	39	5300	14	200
24	2140	33	191	885	20	48	5900	36	573
25	1950	20	105	988	16	43	7250	32	626
	2650	20	143	2430	20	131	27900	650	49000
26									
27	3000	24	194	2200	8	48	86000	760	176000
28	2980	19	153	1750	9	43	96100	380	98600
29	2670	19	137	1540	12	50	49300	80	10600
30	2120	15	86	1350	16	58	33300	44	3960
31	1690	12	55	1980	14	75	23400	40	2530
	1430	15	58	4920	30	399	---	---	---
MONTH	50310	---	2476	46463	---	2180	393100	---	344141
YEAR	3213243		875291.3						

PARTICLE SIZE DISTRIBUTION OF SUSPENDED SEDIMENT

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	SUS. SED. FALL DIAM. % FINER THAN .002 MM	SUS. SED. FALL DIAM. % FINER THAN .004 MM
DEC. 09...	1415	39300	3.5	165	17500	29	41
SEP. 27...	1000	106000	14.5	375	107000	22	30

DATE	SUS. SED. FALL DIAM. % FINER THAN .008 MM	SUS. SED. FALL DIAM. % FINER THAN .016 MM	SUS. SED. FALL DIAM. % FINER THAN .031 MM	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM	SUS. SED. SIEVE DIAM. % FINER THAN .125 MM	SUS. SED. SIEVE DIAM. % FINER THAN .250 MM	SUS. SED. SIEVE DIAM. % FINER THAN .500 MM
DEC. 09...	55	70	83	95	100	--	--
SEP. 27...	38	46	52	55	68	79	100

01520500 TIOGA RIVER AT LINDLEY, N.Y.

LOCATION (revised).--Lat 42°01'44", long 77°07'57", Steuben County, at bridge on County Highway 120 at Lindley, and 6 mi (10 km) upstream from Canisteo River.

DRAINAGE AREA.--771 mi² (2,000 km²).

PERIOD OF RECORD.--Chemical analyses: July 1964 to October 1965 (partial-record station), September 1973 to September 1975.

Water temperatures: August 1974 to September 1975.

Sediment records: August 1974 to September 1975.

EXTREMES.--1974-75:

Specific conductance: Maximum daily, 345 micromhos Aug. 28; minimum daily, 84 micromhos Feb. 25.

Water temperatures: Maximum daily, 29.0°C Aug. 2, 3; minimum daily, freezing point on several days during January to April.

Sediment concentrations: Maximum daily, 1,600 mg/l Feb. 24; minimum daily, 1 mg/l June 30, July 1, 2.

Sediment discharges: Maximum daily, 194,000 tons (175,997 tonnes) Sept. 26; minimum daily, 0.46 tons (0.42 tonnes) July 2.

Period of record:

Specific conductance: Maximum daily, 405 micromhos Aug. 29, 1974; minimum daily, 84 micromhos Feb. 25, 1975.

Water temperatures: Maximum daily, 29.0°C Aug. 2, 3, 1975; minimum daily, freezing point on several days during January to April 1975.

Sediment concentrations: Maximum daily, 1,600 mg/l Feb. 24, 1975; minimum daily, 1 mg/l June 30, July 1, 2, 1975.

Sediment discharges: Maximum daily, 194,000 tons (175,997 tonnes) Sept. 26, 1975; minimum daily, 0.46 tons (0.42 tonnes) July 2, 1975.

REMARKS.--Records affected by upstream construction. Daily concentrations determined from once-daily samples.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TOTAL IRON (FE) (UG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
OCT.											
11...	1115	90	160	44	0	36	93	18	.18	--	--
NOV.											
07...	1530	478	650	52	0	43	41	11	.32	--	--
DEC.											
10...	1015	2040	1200	18	0	15	31	5.5	.70	--	--
JAN.											
15...	1030	E1100	900	22	0	18	44	6.5	.86	--	--
FEB.											
04...	1015	E450	930	28	0	23	49	8.0	.86	--	--
MAR.											
06...	0930	722	--	26	0	21	48	8.0	1.2	--	--
APR.											
02...	0950	728	--	29	0	24	39	7.0	.72	--	--
MAY											
15...	1000	755	--	35	0	29	32	5.5	.23	.01	.24
JUNE											
10...	1800	1070	--	40	0	33	33	5.0	.70	--	--
JULY											
10...	0920	210	1700	57	0	47	48	14	.47	--	--
AUG.											
07...	1015	189	--	56	0	46	81	18	.31	.01	.32
SEP.											
11...	1550	110	460	56	0	46	63	16	.11	--	--

DATE	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	CARBON DIOXIDE (CO2) (MG/L)
OCT.											
11...	.10	.18	.28	.46	.01	.00	329	7.5	11.0	10.6	2.2
NOV.											
07...	.01	.32	.33	.65	.04	.02	203	7.0	8.5	12.8	8.3
DEC.											
10...	.09	.33	.42	1.1	.07	.05	125	7.1	.5	14.8	2.3
JAN.											
15...	.07	.30	.37	1.2	.03	.03	157	7.0	.0	--	3.5
FEB.											
04...	.05	.29	.34	1.2	.02	.02	176	7.4	.0	14.0	1.8
MAR.											
06...	.03	.25	.28	1.5	.03	.02	177	6.6	.5	12.7	10
APR.											
02...	.01	.23	.24	.96	.03	.02	142	7.2	4.5	11.6	2.9
MAY											
15...	.01	.12	.13	.37	.03	.01	151	7.7	14.5	8.8	1.1
JUNE											
10...	.01	.31	.32	--	.06	.05	159	7.1	18.0	9.2	5.1
JULY											
10...	.07	.44	.51	--	.08	.03	238	7.2	22.0	7.1	5.8
AUG.											
07...	.04	.18	.22	.54	.08	.01	311	6.6	19.0	7.9	23
SEP.											
11...	.02	.14	.16	--	.02	.01	277	7.8	19.5	10.1	1.3

SUSQUEHANNA RIVER BASIN

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01520500 TIOGA RIVER AT LINDLEY, N.Y.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM at 25°C) WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	312	301	199	174	142	134	153	197	186	---	254	230
3	283	309	208	169	150	149	152	193	198	---	285	249
4	290	---	214	179	159	157	152	164	205	---	267	261
5	263	308	204	189	152	165	126	167	202	---	284	280
6	285	284	218	172	186	176	143	126	190	---	303	286
7	282	199	229	177	179	172	141	114	104	---	287	272
8	299	204	225	201	177	174	147	110	121	---	305	288
9	308	213	152	184	184	---	148	117	126	---	305	285
10	315	---	111	187	215	169	143	127	136	---	267	267
11	319	230	126	140	204	192	150	134	146	215	267	249
12	328	233	142	121	---	193	150	137	---	233	281	270
13	332	235	149	106	---	190	155	146	---	248	292	257
14	333	196	156	115	---	188	150	147	---	149	299	191
15	311	185	160	137	---	180	163	140	---	---	313	202
16	325	197	164	156	---	---	173	150	---	145	---	228
17	317	200	165	167	---	---	152	143	---	196	---	240
18	313	206	150	163	---	184	173	---	---	227	330	255
19	275	212	158	186	---	161	180	146	---	209	288	265
20	---	219	166	172	141	162	---	150	---	230	314	272
21	291	219	168	175	157	113	166	152	---	227	---	265
22	287	180	181	196	174	108	180	162	---	181	316	260
23	303	179	177	216	168	127	185	165	---	206	322	261
24	---	187	187	199	131	127	187	171	---	213	---	255
25	---	191	185	182	100	127	193	166	---	228	---	250
26	308	183	174	187	84	127	176	122	---	193	335	124
27	309	175	145	162	108	130	173	147	---	---	341	---
28	306	181	161	152	125	132	188	155	---	206	332	140
29	304	192	---	173	137	140	196	---	---	224	345	160
30	306	190	165	168	---	143	179	175	---	244	341	177
31	299	193	174	119	---	133	195	179	---	240	284	187
31	306	---	161	128	---	145	---	184	---	229	212	---
AVERAGE	304	214	172	166	---	154	164	151	---	---	299	239

DATE	TIME	TOTAL ALUMI- NUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL NITRITE PLUS NITRATE IN BOT. MAT. (MG/KG)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	ORGANIC CARBON IN BOT- TOM MA- TERIAL (G/KG)	IN- ORGANIC CARBON IN BOT- TOM MA- TERIAL (G/KG)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)
OCT. 23...	1330	7000	12000	860	4.8	91	2100	16	.2	0	.0	0

DATE	DDD IN BOTTOM MA- TERIAL (UG/KG)	DDE IN BOTTOM MA- TERIAL (UG/KG)	DDT IN BOTTOM MA- TERIAL (UG/KG)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	PCB IN BOTTOM MA- TERIAL (UG/KG)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)
OCT. 23...	.0	.0	.0	.0	.0	.0	.0	.0	0	0	7	1

DATE	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL COBALT IN BOTTOM MA- TERIAL (UG/G)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL SILVER IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	BED MAT. FALL DIAM. & FINER THAN .004 MM	BED MAT. FALL DIAM. & FINER THAN .062 MM	BED MAT. FALL DIAM. & FINER THAN 2.00 MM
OCT. 23...	5	33	10	.0	50	0	0	340	12	23	100

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SUSQUEHANNA RIVER BASIN

01520500 TIOGA RIVER AT LINDLEY, N.Y.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.0	13.0	0.5	1.0	1.5	2.0	6.0	12.5	22.0	25.0	27.5	17.0
2	10.5	13.0	0.5	1.0	1.0	1.0	5.5	12.0	20.0	26.5	29.0	18.0
3	9.5	---	0.5	0.5	1.0	0.0	6.5	14.0	21.0	23.5	29.0	17.0
4	8.0	13.0	0.5	1.0	0.5	0.0	1.0	13.0	19.5	22.0	28.0	18.0
5	11.0	10.0	0.5	1.5	1.0	1.0	0.0	10.0	18.0	24.0	26.5	18.0
6	13.0	10.0	1.0	0.5	1.5	2.0	1.0	9.0	17.0	25.0	23.0	20.0
7	14.0	9.0	1.0	2.0	1.0	2.5	1.0	9.0	14.5	25.5	19.0	19.0
8	12.0	7.0	2.5	2.0	0.5	---	3.5	11.0	14.0	25.0	20.0	20.0
9	10.0	---	2.5	2.5	0.0	1.0	4.5	13.0	15.0	26.0	24.0	18.0
10	11.0	8.5	0.5	2.0	0.0	1.0	5.0	14.0	16.0	24.0	24.0	17.0
11	12.0	7.0	1.0	6.0	---	1.0	5.0	15.5	18.0	24.0	25.0	18.0
12	13.5	7.5	2.5	5.0	---	2.0	6.0	14.5	18.0	23.0	24.5	18.5
13	13.5	6.5	3.0	3.0	---	4.0	5.0	14.0	17.0	21.5	24.0	14.5
14	13.5	6.0	3.0	1.5	---	3.0	5.0	14.0	17.5	---	24.0	13.0
15	14.0	4.0	2.5	0.0	---	---	7.5	16.0	23.0	22.0	---	14.0
16	12.0	5.0	1.5	0.5	---	---	9.5	16.0	20.0	23.0	---	14.0
17	11.0	4.0	1.5	0.5	---	4.0	10.0	---	20.5	24.5	25.0	16.5
18	9.0	4.5	1.0	0.5	---	4.5	11.0	16.5	---	25.0	25.0	17.0
19	---	3.5	0.5	1.0	1.0	6.0	---	17.0	---	24.5	22.5	19.0
20	5.0	5.0	0.5	0.5	1.0	4.0	9.5	20.0	---	23.5	22.0	---
21	6.5	5.0	0.5	0.5	2.0	3.5	8.5	20.0	---	24.0	21.5	18.0
22	6.5	3.5	1.5	0.5	3.0	4.0	9.0	22.0	---	23.0	22.0	17.0
23	---	2.0	1.0	1.0	3.0	5.0	12.0	22.5	---	24.5	---	16.5
24	---	5.0	1.0	1.5	4.0	5.0	10.0	23.0	---	26.0	---	15.0
25	---	5.0	2.0	1.0	3.5	6.0	11.0	20.0	18.5	23.0	23.0	13.0
26	8.0	2.0	0.5	1.0	2.0	3.5	10.0	20.0	22.0	---	25.0	---
27	8.5	1.5	0.5	1.0	2.0	2.0	10.0	20.0	19.5	25.0	24.5	14.0
28	8.5	1.5	---	1.0	1.5	2.5	11.0	---	19.5	24.0	23.0	14.5
29	8.5	1.0	1.5	2.0	---	4.0	11.0	19.5	21.0	24.0	22.5	14.0
30	10.5	1.5	2.5	1.0	---	4.0	11.5	20.0	23.0	24.0	20.5	---
31	12.0	---	1.0	1.5	---	3.0	---	22.0	---	25.5	19.0	---
AVERAGE	10.5	6.0	1.5	1.5	---	3.0	7.0	16.0	---	24.0	24.0	16.5

SUSPENDED-SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCTOBER			NOVEMBER			DECEMBER			SEDIMENT DISCHARGE (TONS/DAY)
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	
1	147	8	3.2	86	7	1.6	306	3	2.5	
2	144	5	1.9	86	7	1.6	300	8	6.5	
3	154	5	2.1	85	8	1.8	290	6	4.7	
4	137	5	1.9	94	8	2.0	270	6	4.4	
5	122	6	2.0	507	73	100	230	10	6.2	
6	110	6	1.8	923	130	324	280	13	9.8	
7	102	7	1.9	508	15	21	296	6	4.8	
8	95	5	1.3	390	11	12	4180	550	6210	
9	93	6	1.5	317	7	6.0	4400	180	2140	
10	90	7	1.7	273	5	3.7	1990	35	188	
11	87	7	1.6	243	7	4.6	1290	22	77	
12	83	10	2.2	245	4	2.6	1090	22	65	
13	83	12	2.7	954	140	361	998	19	51	
14	81	9	2.0	583	11	17	915	16	40	
15	88	6	1.4	455	8	9.8	831	11	25	
16	121	8	2.6	386	6	6.3	945	20	51	
17	187	12	6.1	338	4	3.7	1420	34	130	
18	162	9	3.9	310	3	2.5	1110	18	54	
19	130	8	2.8	287	6	4.7	780	11	23	
20	115	10	3.1	324	8	7.0	700	9	17	
21	105	8	2.3	1000	80	216	600	10	16	
22	99	5	1.3	749	17	34	560	10	15	
23	96	4	1.0	519	6	8.4	500	7	9.5	
24	94	4	1.0	510	8	11	626	8	14	
25	96	4	1.0	566	12	18	1410	65	247	
26	101	6	1.6	601	20	32	1260	28	95	
27	106	5	1.4	403	14	15	876	8	19	
28	99	4	1.1	450	11	13	783	10	21	
29	93	5	1.3	417	6	6.8	700	15	28	
30	88	8	1.9	363	3	2.9	762	17	35	
31	87	8	1.9	---	---	---	804	14	30	
MONTH	3395	---	63.5	12972	---	1250.0	31502	---	9639.4	

01520500 TIOGA RIVER AT LINDLEY, N.Y.--Continued

SUSPENDED-SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	JANUARY			FEBRUARY			MARCH		
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1									
2	722	8	16	1120	18	54	1700	50	229
3	631	9	15	861	14	33	1200	40	130
4	500	8	11	620	14	23	940	35	89
5	605	9	15	540	20	29	883	40	95
6	510	8	11	480	18	23	857	30	69
7	359	8	7.8	440	15	18	753	20	41
8	482	12	16	400	12	13	700	19	36
9	405	13	14	360	16	16	814	25	55
10	1300	220	772	320	18	16	523	30	42
11	1580	80	341	280	15	11	490	12	16
12	6420	650	11300	260	20	14	470	10	13
13	4540	150	1840	250	18	12	491	16	21
14	2600	90	632	250	16	11	576	14	22
15	1680	28	127	260	13	9.1	577	19	30
16	1100	19	56	270	10	7.3	480	15	19
17	1040	23	65	290	10	7.8	485	20	26
18	780	20	42	310	8	6.7	592	20	32
19	700	20	38	741	90	180	891	110	265
20	600	21	34	1650	160	713	2670	350	2520
21	520	15	21	971	38	100	5220	425	5990
22	410	10	11	636	26	45	2680	170	1230
23	430	15	17	757	36	74	2090	70	395
24	450	13	16	2890	450	3510	2020	65	355
25	470	15	19	14400	1600	62200	1730	60	280
26	500	11	15	11800	800	25500	2050	80	443
27	1140	70	215	4860	210	2760	1600	36	156
28	718	20	39	3010	120	975	1120	23	70
29	564	12	18	2080	70	393	1030	21	58
30	1980	250	1340	---	---	---	1040	18	51
31	3420	200	1850	---	---	---	1060	15	43
MONTH	1420	42	161	---	---	---	913	13	32
MONTH	38576	---	19074.8	51106	---	96753.9	38645	---	12853
DAY	APRIL			MAY			JUNE		
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1									
2	830	13	29	353	5	4.8	381	10	10
3	742	14	28	518	11	15	337	11	10
4	1580	150	640	519	13	18	322	7	6.1
5	1510	60	245	638	55	95	311	10	8.4
6	1130	20	61	2520	400	2720	3160	475	4050
7	1070	12	35	3610	900	8770	11800	650	20700
8	958	12	31	4600	275	3420	5090	190	2610
9	890	11	26	2270	65	398	2640	80	570
10	948	18	46	1580	38	162	1690	50	228
11	830	11	25	1210	21	69	1140	38	117
12	745	8	16	985	14	37	864	34	79
13	672	6	11	865	11	26	988	65	205
14	608	5	8.2	929	17	43	711	27	72
15	550	3	4.5	1080	30	87	711	15	29
16	533	8	12	791	13	28	575	10	16
17	512	6	8.3	1250	38	128	1810	600	2930
18	477	5	6.4	906	12	29	1010	44	120
19	450	5	6.1	760	5	10	682	23	42
20	530	8	11	706	6	11	532	22	32
21	548	6	8.9	621	7	12	522	18	25
22	484	11	14	565	4	6.1	417	10	11
23	422	13	15	641	10	17	343	7	6.5
24	395	10	11	722	14	27	297	5	4.0
25	409	9	9.9	554	6	9.0	417	240	270
26	472	10	13	2050	800	4430	330	24	21
27	434	7	8.2	979	44	116	281	11	8.3
28	384	4	4.1	889	29	70	283	12	9.2
29	350	4	3.8	663	17	30	295	8	6.4
30	338	5	4.6	506	12	16	257	4	2.8
31	329	3	2.7	436	9	11	225	1	.61
MONTH	---	---	---	438	11	13	---	---	---
MONTH	20130	---	1344.7	35154	---	20827.9	38880	---	32199.31

SUSQUEHANNA RIVER BASIN

01520500 TIOGA RIVER AT LINDLEY, N.Y.--Continued

SUSPENDED-SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	JULY			AUGUST			SEPTEMBER		
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	203	1	.55	113	8	2.4	242	24	16
2	172	1	.46	104	8	2.2	197	16	8.5
3	175	4	1.9	98	8	2.1	161	15	6.5
4	481	65	84	95	5	1.3	143	13	5.0
5	264	14	10	118	9	2.9	112	15	4.5
6	195	6	3.2	123	10	3.3	119	10	3.2
7	235	8	5.1	183	14	6.9	161	11	4.8
8	212	7	4.0	159	13	5.6	123	7	2.3
9	191	15	7.7	117	11	3.5	179	20	9.7
10	226	40	24	99	14	3.7	157	18	7.6
11	207	16	8.9	89	11	2.6	112	14	4.2
12	207	14	7.8	82	12	2.7	471	65	83
13	1350	800	2920	78	12	2.5	690	70	130
14	443	30	36	77	13	2.7	350	18	17
15	660	275	490	75	11	2.2	251	9	6.1
16	366	35	35	81	12	2.6	197	8	4.3
17	326	26	23	116	13	4.1	170	10	4.6
18	264	20	14	98	11	2.9	159	6	2.6
19	218	15	8.8	78	11	2.3	207	10	5.6
20	622	100	168	70	12	2.3	214	13	7.5
21	478	55	71	65	13	2.3	180	9	4.4
22	285	17	13	64	13	2.2	164	11	4.9
23	215	8	4.6	63	12	2.0	152	15	6.2
24	206	18	10	75	18	3.6	810	300	656
25	720	475	923	69	16	3.0	8990	1000	24300
26	353	45	43	67	12	2.2	51300	1400	194000
27	230	22	14	69	10	1.9	11100	450	13500
28	196	12	6.4	65	14	2.5	3720	210	2110
29	173	14	6.5	60	12	1.9	2250	110	668
30	144	12	4.7	571	330	509	1550	85	356
31	126	6	2.0	477	100	129	---	---	---
MONTH	10143	---	4950.61	3698	---	720.4	84631	---	235938.5
YEAR	368832.0		435616.0						

SUSQUEHANNA RIVER BASIN

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01520500 TIOGA RIVER AT LINDLEY, N.Y.—Continued

PARTICLE SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	TEMPER- ATURE (DEG C)	SUS- PENDE SEDI- MENT (MG/L)	SUS- PENDE SEDI- MENT (T/DAY)	SUS. SED. FALL DIAM. % FINER THAN .004 MM	SUS. SED. FALL DIAM. % FINER THAN .008 MM
NOV.							
05...	1430	910	10.0	128	315	--	--
06...	1250	926	10.0	127	318	--	--
DEC.							
08...	1250	5280	2.5	1930	27500	--	--
08...	1450	6990	3.0	1190	22500	36	49
FEB.							
24...	1235	15800	4.0	1660	70800	32	44
MAY							
04...	1255	510	13.0	52	71	--	--
05...	1235	2980	10.0	343	2670	--	--
06...	1415	2130	9.0	1270	7300	--	--
06...	1900	5600	9.0	1580	6740	--	--
JUNE							
06...	1235	11400	17.0	440	13500	37	54
SEP.							
25...	1800	16400	13.5	1030	45600	48	62

DATE	SUS. SED. FALL DIAM. % FINER THAN .016 MM	SUS. SED. FALL DIAM. % FINER THAN .031 MM	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM	SUS. SED. SIEVE DIAM. % FINER THAN .125 MM	SUS. SED. SIEVE DIAM. % FINER THAN .250 MM	SUS. SED. SIEVE DIAM. % FINER THAN .500 MM
NOV.						
05...	--	--	93	--	--	--
06...	--	--	97	--	--	--
DEC.						
08...	--	--	84	--	--	--
08...	64	79	88	95	97	100
FEB.						
24...	58	72	86	95	99	100
MAY						
04...	--	--	100	--	--	--
05...	--	--	80	--	--	--
06...	--	--	92	--	--	--
06...	--	--	67	--	--	--
JUNE						
06...	63	77	91	96	88	100
SEP.						
25...	77	87	95	98	100	--

01528000 FIVEMILE CREEK NEAR KANONA, N.Y.

LOCATION.--Lat 42°23'18", long 77°21'29", Steuben County, at gaging station at highway bridge, 1.3 mi (2.1 km) upstream from mouth and Kanona.

DRAINAGE AREA.--66.8 mi² (173 km²).

PERIOD OF RECORD.--Chemical analyses: March 1966 to May 1975 (discontinued).

REMARKS.--New York State Water Quality Surveillance Network station number 05 2098.

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
OCT. 23...	1100	5.9	--	--	41	9.4	--	--	152	0	125	32
NOV. 20...	1030	49	800	70	26	6.3	7.0	1.7	83	0	68	29
DEC. 17...	1100	92	370	50	22	5.5	5.0	1.0	59	0	48	30
JAN. 21...	1030	33	250	30	30	8.0	5.9	1.2	80	0	66	33
FEB. 20...	0930	66	510	40	22	5.2	5.7	1.5	66	0	54	24
MAR. 19...	1000	174	1000	30	17	4.5	3.9	1.3	45	0	37	22
APR. 21...	1000	77	330	30	27	5.2	4.2	1.0	58	0	48	26
MAY 21...	1030	45	630	70	27	6.7	5.3	1.1	91	0	75	23

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	FIXED NON-FILTERABLE RESIDUE (MG/L)
OCT. 23...	17	.14	.00	.14	.15	.07	.22	.36	.01	.01	2	16
NOV. 20...	12	.55	.01	.56	.14	.20	.34	.90	.08	.04	20	2
DEC. 17...	12	.87	.00	.87	.12	.22	.34	1.2	.05	.04	2	1
JAN. 21...	9.2	2.2	.01	2.2	.07	.30	.37	2.6	.06	.05	1	6
FEB. 20...	12	.93	.01	.94	.11	.18	.29	1.2	.06	.03	8	26
MAR. 19...	7.6	.54	.01	.55	.07	.21	.28	.83	.06	.03	29	2
APR. 21...	11	.46	.01	.47	.01	.28	.29	.76	.04	.02	4	18
MAY 21...	7.8	.46	.01	.47	.05	.40	.45	.92	.07	.01	20	18

DATE	TOTAL RESIDUE (MG/L)	RESIDUE ON IGNITION (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 23...	220	191	450	7.6	6.0	20	2	10.9	87	11	3.0
NOV. 20...	170	144	305	7.2	5.0	20	9	11.5	92	14	5.2
DEC. 17...	134	94	248	7.4	1.0	20	4	13.1	93	16	3.2
JAN. 21...	170	137	295	7.3	.0	6	4	12.9	88	13	15
FEB. 20...	144	102	210	7.3	.0	30	8	13.7	94	14	3.9
MAR. 19...	124	114	111	7.4	2.0	20	20	12.8	92	12	3.4
APR. 21...	107	61	177	7.8	5.0	9	4	12.5	98	19	5.0
MAY 21...	165	113	236	7.6	17.0	11	8	10.0	103	19	4.6

SUSQUEHANNA RIVER BASIN

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01530900 CHEMUNG RIVER AT WELLSBURG, N.Y.

LOCATION.--Lat 42°01'02", long 76°43'24", Chemung County, at bridge on State Highway 367 in Wellsburg, 0.4 mi (0.6 km) downstream from Bentley Creek and 6.3 mi (10.1 km) upstream from gaging station (01531000) at Chemung.

DRAINAGE AREA.--2,506 mi² (6,491 km²) at gaging station.

PERIOD OF RECORD.--Chemical analyses: August 1969 to May 1975 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)
OCT. 09...	0900	.44	.06	.50	.73	1.2	.19	430	7.4	10.0	3	8.5
DEC. 05...	0930	.77	.00	.77	.46	1.2	.09	370	7.2	.0	3	12.0
MAR. 06...	0900	1.1	.01	1.1	.30	1.4	.07	178	7.3	1.0	7	12.8
MAY 15...	0900	.47	.02	.49	.23	.72	.06	202	6.9	14.5	12	9.4

DATE	PERCENT SATURATION	CHLORO-PHYLL A (UG/L)	CHLORO-PHYLL B (UG/L)	FECAL COLIFORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
OCT. 09...	75	6.0	12	8110	4.0	1	1	0	0	2	<.5	10
DEC. 05...	82	2.4	2.4	830	2.4	1	1	<10	10	2	<.5	20
MAR. 06...	90	.4	2.0	94	2.1	0	0	<10	0	2	<.5	30
MAY 15...	91	.0	.0	300	2.4	2	0	<10	0	1	<.5	10

PESTICIDE ANALYSES

DATE	ALDRIN IN BOTTOM MATERIAL (UG/KG)	CHLORDANE IN BOTTOM MATERIAL (UG/KG)	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	ETHION IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)
MAY 15...	.0	0	.0	.2	.0	.0	.0	.0
DATE	LINDANE IN BOTTOM MATERIAL (UG/KG)	MALATHION IN BOTTOM MATERIAL (UG/KG)	METHYL PARATHION IN BOTTOM MATERIAL (UG/KG)	METHYL TRITHION IN BOTTOM MATERIAL (UG/KG)	PARATHION IN BOTTOM MATERIAL (UG/KG)	PCB IN BOTTOM MATERIAL (UG/KG)	TOXAPHENE IN BOTTOM MATERIAL (UG/KG)	TRITHION IN BOTTOM MATERIAL (UG/KG)
MAY 15...	.0	.0	.0	.0	.0	7	0	.0

01531000 CHEMUNG RIVER AT CHEMUNG, N.Y.

LOCATION.--Lat 42°00'08", long 76°38'06", Chemung County, at bridge on State Highway 427, 0.7 mi (1.1 km) southwest of Chemung, and 10 mi (16 km) upstream from mouth.

DRAINAGE AREA.--2,510 mi² (6,500 km²).

PERIOD OF RECORD.--Chemical analyses: August 1974 to September 1975.

Water temperatures: March 1962 to March 1964, February 1966 to May 1967 (partial-record station), August 1974 to September 1975.

Sediment records: March 1962 to March 1964, February 1966 to May 1967 (partial-record station), August 1974 to September 1975.

EXTREMES.--1974-75:

Specific conductance: Maximum daily, 434 micromhos Nov. 3; minimum daily, 103 micromhos Feb. 25.

Water temperatures: Maximum daily, 27.5°C Aug. 4; minimum daily, 0.5°C on several days during December and January.

Sediment concentrations: Maximum daily, 2,130 mg/l Sept. 26; minimum daily, 1 mg/l on several days during October, January and February.

Sediment discharges: Maximum daily, 402,000 tons (364,694 tonnes) Sept. 26; minimum daily, 0.85 tons (0.77 tonnes) Oct. 13.

Period of record:

Specific conductance: Maximum daily, 480 micromhos Aug. 30, 1974; minimum daily, 103 micromhos Feb. 25, 1975.

Water temperatures: Maximum daily, 27.5°C Aug. 4, 1975; minimum daily, 0.5°C on several days during December 1974 and January 1975.

Sediment concentrations: Maximum daily, 2,130 mg/l Sept. 26, 1975; minimum daily, 1 mg/l on several days during September, October, 1974, January, February, 1975.

Sediment discharges: Maximum daily, 402,000 tons (364,694 tonnes) Sept. 26, 1975; minimum daily, 0.85 tons (0.77 tonnes) Sept. 20, 1974, Oct. 13, 1975.

CHEMICAL ANALYSES, AUGUST 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DIS-CHARGE (CF5)	TOTAL IRON (FE) (UG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-RONATE (CO3) (MG/L)	ALKA-LINITY AS CAC03 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
AUG., 1974											
28...	0800	224	0	148	0	121	43	35	.81	--	--
SEP.											
24...	1620	720	--	94	1	79	57	23	.41	--	--
OCT.											
24...	1325	321	.10	138	0	113	65	34	.84	--	--
NOV.											
21...	0945	1790	240	88	0	72	37	18	.72	--	--
DEC.											
12...	0815	3940	220	50	0	41	31	10	.86	--	--
JAN., 1975											
29...	1600	2590	115	70	0	57	33	16	.97	--	--
FEB.											
26...	0830	23600	610	28	0	23	22	6.0	.84	--	--
MAR.											
26...	0745	6600	390	47	0	39	23	9.0	1.1	--	--
APR.											
15...	0730	2350	170	73	0	60	28	13	.68	--	--
MAY											
21...	0700	2270	140	82	0	67	27	12	.32	.02	.34
JUNE											
24...	1530	1320	150	104	1	87	25	16	.54	--	--
JULY											
23...	0715	862	210	99	0	81	29	16	.59	--	--
AUG.											
27...	0730	456	130	150	0	123	44	34	.86	--	--
SEP.											
17...	0730	994	140	110	0	90	32	17	.88	--	--

DATE	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	TOTAL ORTHO PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	SUS-PENDED SOLIDS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)
AUG., 1974										
28...	.08	.55	.63	--	.19	.14	251	--	17	427
SEP.										
24...	.13	.30	.43	--	.10	.08	209	--	2	360
OCT.										
24...	.22	.59	.81	--	.17	.15	255	--	3	409
NOV.										
21...	.16	.38	.54	--	.14	.08	136	--	28	254
DEC.										
12...	.12	.42	.54	--	.09	.04	101	--	14	182
JAN., 1975										
29...	.13	.49	.62	--	.17	.15	137	--	5	233
FEB.										
26...	.04	.40	.44	--	.17	.08	70	--	216	117
MAR.										
26...	.02	.34	.36	--	.10	.04	93	--	39	162
APR.										
15...	.06	.20	.26	--	.06	.04	130	--	6	207
MAY										
21...	.01	.27	.28	.62	.08	.05	142	--	20	222
JUNE										
24...	.08	.50	.58	--	.12	.04	178	8	18	269
JULY										
23...	.09	.50	.59	--	.12	.06	176	--	307	254
AUG.										
27...	.05	.60	.65	--	.18	.15	276	--	16	415
SEP.										
17...	.10	.48	.58	--	.13	.10	184	--	37	276

SUSQUEHANNA RIVER BASIN

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01531000 CHEMUNG RIVER AT CHEMUNG, N.Y.--Continued

CHEMICAL ANALYSES, AUGUST 1974 TO SEPTEMBER 1975

DATE	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	CHEM- ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	CHLORO- PHYLL A (UG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
AUG. 1974										
28...	7.8	23.0	--	6.3	15	3.8	--	50	860	3.9
SEP. 24...	7.9	14.5	3	12.0	9	1.9	3.80	68	90	3.6
OCT. 24...	7.8	8.0	2	11.6	8	3.5	.800	3	10	4.3
NOV. 21...	7.2	6.0	1	11.6	4	8.9	1.90	1300	5000	13
DEC. 12...	7.1	2.0	10	13.4	12	6.4	1.30	3300	310	2.9
JAN. 1975										
29...	7.3	3.0	6	12.6	9	5.6	.200	E390	320	2.0
FEB. 26...	7.0	2.5	100	12.4	27	4.5	.600	770	2700	6.2
MAR. 26...	7.2	3.0	18	11.2	3	4.7	.700	100	130	5.2
APR. 15...	7.7	7.0	5	11.2	13	2.3	.300	32	110	--
MAY 21...	8.1	20.0	7	7.6	8	1.0	5.60	78	98	2.9
JUNE 24...	8.0	27.0	8	10.0	7	1.7	12.0	140	62	2.6
JULY 23...	7.3	24.0	11	6.0	6	7.9	5.50	270	1700	5.2
AUG. 27...	7.9	23.5	7	5.8	10	3.0	6.50	220	860	6.0
SEP. 17...	8.2	15.0	50	8.4	6	1.1	1.60	350	380	3.9

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SUSQUEHANNA RIVER BASIN

01531000 CHEMUNG RIVER AT CHEMUNG, N.Y.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM at 25°C) AUGUST TO SEPTEMBER 1974

DAY	AUG	SEP
1	365	467
2	378	424
3	391	425
4	369	410
5	396	312
6	352	303
7	395	306
8	391	326
9	392	312
10	390	342
11	400	351
12	406	377
13	404	388
14	400	380
15	400	410
16	395	397
17	411	400
18	428	395
19	435	405
20	418	428
21	418	414
22	429	410
23	432	348
24	437	334
25	444	337
26	443	314
27	444	319
28	434	337
29	459	350
30	480	363
31	472	---
AVERAGE	414	369

SPECIFIC CONDUCTANCE (MICROMHOS/CM at 25°C) WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	354	432	256	228	164	174	198	262	271	312	302	290
2	376	431	261	235	185	180	195	256	274	315	328	296
3	349	434	284	244	195	199	209	234	281	326	334	299
4	364	430	285	251	209	215	161	220	295	320	352	320
5	372	408	281	248	234	216	173	186	287	332	355	328
6	380	389	283	257	244	224	175	155	162	315	378	338
7	389	308	294	253	261	226	187	126	152	312	350	355
8	371	263	294	260	244	238	191	135	137	315	370	354
9	381	263	155	260	251	232	195	159	169	318	362	353
10	393	280	148	228	---	257	193	163	188	317	376	342
11	382	292	170	188	280	256	196	178	205	315	370	355
12	401	297	186	129	280	265	198	184	241	343	389	359
13	405	281	192	206	---	271	204	197	222	330	387	305
14	410	267	203	156	---	257	203	193	207	188	403	224
15	408	255	202	175	293	253	209	180	211	200	388	233
16	412	257	210	189	284	269	215	193	226	173	374	258
17	392	268	229	218	291	258	224	187	177	223	361	277
18	397	276	204	219	287	247	222	190	172	249	381	290
19	389	283	215	225	235	224	220	202	213	273	376	309
20	408	291	221	223	196	131	223	207	230	276	391	332
21	407	286	224	223	205	142	218	223	233	268	389	321
22	419	253	228	265	212	159	221	236	238	257	402	321
23	414	214	238	259	178	164	225	241	---	243	398	319
24	422	221	249	264	131	171	238	237	263	260	416	334
25	403	233	244	264	103	161	240	226	280	213	411	280
26	418	235	234	---	118	162	243	217	283	192	419	130
27	420	233	210	224	138	151	242	206	285	228	404	108
28	422	237	216	---	157	181	246	222	300	256	404	153
29	423	241	227	---	187	187	243	240	310	289	382	185
30	426	245	232	191	---	196	255	250	307	267	372	213
31	429	---	227	145	---	191	---	262	---	288	361	---
AVERAGE	398	293	229	222	215	208	212	205	235	275	377	286

SUSQUEHANNA RIVER BASIN

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01531000 CHEMUNG RIVER AT CHEMUNG, N.Y.--Continued

TEMPERATURE (°C) OF WATER AUGUST TO SEPTEMBER 1974

DAY	AUG	SEP
1	---	21.5
2	22.5	20.5
3	23.0	20.5
4	23.5	18.0
5	22.0	16.0
6	21.0	16.5
7	21.0	17.5
8	22.0	19.5
9	22.0	19.0
10	22.0	20.0
11	22.0	20.0
12	---	20.5
13	22.5	22.0
14	22.0	21.0
15	22.0	19.0
16	22.0	20.0
17	22.5	18.5
18	22.0	19.5
19	22.0	18.5
20	23.0	19.5
21	23.0	19.0
22	23.0	19.5
23	23.5	16.0
24	24.0	12.0
25	22.5	11.5
26	22.0	12.0
27	23.0	12.5
28	23.5	15.5
29	21.5	17.5
30	21.0	15.0
31	20.5	---
AVERAGE	22.5	18.0

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	14.0	12.0	1.5	2.0	2.0	3.5	5.5	13.5	21.5	23.5	24.5	19.0
3	14.0	12.5	2.0	1.0	2.0	3.0	6.0	12.5	20.0	23.5	26.0	18.5
4	11.0	12.5	2.0	1.0	2.0	1.5	6.5	12.0	20.5	24.0	27.0	18.0
5	9.0	14.0	1.0	1.5	1.0	2.0	5.0	13.5	19.5	23.0	27.5	18.0
6	10.0	13.0	0.5	1.5	1.5	3.0	4.0	12.5	19.5	23.0	26.0	17.5
7	12.0	12.0	0.5	1.0	2.5	3.5	3.5	10.5	17.5	23.5	25.5	19.0
8	14.0	10.0	1.0	2.0	2.0	3.5	3.0	9.5	17.0	24.0	22.0	18.5
9	12.0	9.0	3.5	2.0	2.0	3.5	3.5	11.5	17.0	24.5	20.0	19.5
10	11.5	9.0	2.5	2.5	2.0	3.0	4.5	12.0	15.5	25.0	20.0	19.0
11	11.0	8.5	1.0	2.5	---	3.0	5.5	12.5	15.0	24.0	22.5	17.0
12	12.0									24.0	23.0	17.0
13	13.0	8.0	1.5	4.0	1.5	4.0	6.0	12.5	16.5	23.5	23.5	20.0
14	12.0	8.0	2.5	4.5	2.0	4.0	6.0	14.0	17.0	23.5	23.5	18.0
15	13.5	7.5	3.0	3.0	---	4.5	6.0	14.5	17.5	21.0	23.5	15.0
16	14.5	7.5	3.0	1.5	---	4.0	6.5	14.0	17.5	21.0	23.5	---
17		5.5	3.0	1.0	2.0	4.5	7.0	14.5	18.5	22.0	23.0	---
18	13.5									22.5	22.5	---
19	12.0	4.5	3.0	0.5	3.5	4.5	7.5	15.5	20.5	22.5	22.0	16.0
20	11.0	4.5	2.5	0.5	3.5	3.5	8.0	15.5	20.0	22.5	22.0	17.0
21	9.0	4.5	2.5	1.0	4.0	3.0	8.5	15.0	21.5	24.0	22.5	16.5
22	7.5	5.0	2.5	1.5	4.0	3.0	11.0	15.5	22.5	24.5	21.5	16.5
23		6.0	1.5	0.5	2.5	5.0	10.5	17.0	22.0	24.0	21.0	17.5
24	6.0									23.5	20.5	18.0
25	6.5	6.5	1.5	0.5	3.0	5.0	9.0	18.5	20.5	23.5	20.5	17.5
26	8.0	5.0	2.0	1.0	4.5	5.0	8.0	20.0	21.5	23.5	21.5	17.0
27	8.0	3.5	1.5	1.5	4.5	6.0	9.0	22.0	---	23.5	20.0	17.0
28	7.5	4.0	2.0	2.0	4.5	6.0	12.0	22.5	27.0	24.5	20.5	16.5
29	8.0	5.0	2.0	3.0	4.5	7.0	12.0	23.0	25.0	23.5	21.5	16.0
30										23.5	21.5	16.0
31										23.5	21.5	16.0
26	7.5									22.5	23.5	14.0
27	9.0	3.5	1.5	---	4.0	5.5	10.5	21.5	24.0	22.5	23.5	14.5
28	9.0	3.0	1.5	2.0	3.5	5.0	9.5	21.5	22.0	21.5	23.5	14.0
29	9.0	2.0	2.0	---	3.0	4.5	10.0	20.0	20.5	23.0	22.0	14.0
30	9.5	2.0	2.0	---	---	5.0	11.0	19.5	21.0	23.0	21.5	13.5
31	10.5	2.0	1.5	---	---	5.0	11.0	20.5	21.5	23.0	22.5	14.0
AVERAGE	11.0	1.5	3.0	2.0	---	4.5	---	20.5	---	24.0	22.5	---
	10.5	7.0	2.0	2.0	3.0	4.0	7.5	16.0	20.0	23.5	22.5	17.0

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SUSQUEHANNA RIVER BASIN

01531000 CHEMUNG RIVER AT CHEMUNG, N.Y.--Continued

SUSPENDED-SEDIMENT DISCHARGE, AUGUST TO SEPTEMBER 1974

DAY	AUGUST			SEPTEMBER		
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	472	24	31	480	13	17
2	384	19	20	412	10	11
3	342	16	15	504	15	20
4	335	15	14	1,790	61	364
5	335	15	14	1,570	29	123
6	472	17	22	889	16	38
7	448	13	16	663	10	14
8	384	10	10	544	8	12
9	342	9	8.3	480	7	9.1
10	314	9	7.6	440	6	7.1
11	314	10	8.5	405	4	4.4
12	321	14	12	377	3	3.1
13	307	14	12	349	2	1.9
14	363	12	12	356	3	2.9
15	268	11	8.0	384	2	2.1
16	248	13	8.7	412	2	2.2
17	242	17	11	370	2	2.0
18	261	14	9.9	335	1	.90
19	242	13	8.5	314	2	1.7
20	268	13	9.4	384	1	.85
21	314	12	10	398	3	3.2
22	287	11	8.5	627	7	12
23	261	15	11	1,050	15	43
24	230	17	11	710	3	5.8
25	208	0	8.4	576	2	3.1
26	196	12	6.4	512	3	4.1
27	196	12	6.4	488	2	2.6
28	224	13	7.9	472	2	2.5
29	235	9	5.7	456	1	1.2
30	321	9	7.8	440	1	1.2
31	398	12	13.0	---	---	---
MONTH	9,532	---	354.0	17,117	---	719.95
YEAR			1073.95			

SUSPENDED-SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCTOBER			NOVEMBER			DECEMBER		
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	456	1	1.2	300	10	8.1	1210	9	29
2	479	1	1.3	293	8	6.3	1170	9	28
3	456	1	1.2	280	9	6.8	1190	6	19
4	471	1	1.3	314	13	11	1090	8	24
5	456	1	1.2	440	14	17	857	5	12
6	419	8	9.1	2100	68	415	928	3	7.5
7	391	3	3.2	2080	40	225	1000	5	13
8	370	2	2.0	1430	28	108	3410	399	5770
9	349	3	2.8	1160	14	44	15100	584	24200
10	328	2	1.8	960	8	21	7370	125	2490
11	321	5	4.3	845	9	21	4810	29	377
12	321	2	1.7	814	5	11	3870	15	157
13	314	1	.85	1930	50	261	3530	14	133
14	293	2	1.6	2280	35	215	3330	12	108
15	328	6	5.3	1570	20	85	3200	9	78
16	328	10	8.9	1260	22	75	3010	9	73
17	356	3	2.9	1090	10	29	3870	14	146
18	419	10	11	965	11	29	3850	22	229
19	419	7	7.9	892	8	19	3200	10	86
20	377	4	4.1	948	7	18	2790	6	45
21	349	8	7.5	2410	56	451	2510	4	27
22	335	3	2.7	3500	60	567	2270	4	25
23	328	1	.89	2350	42	266	2090	3	17
24	321	3	2.6	1900	20	103	2130	3	17
25	321	8	6.9	2150	16	93	2630	5	36
26	314	10	8.5	2370	22	141	3770	12	122
27	314	11	9.3	1910	11	57	2850	20	154
28	314	9	7.6	1570	10	42	2650	5	36
29	314	9	7.6	1550	7	29	2410	4	26
30	307	9	7.5	1400	8	30	2310	4	25
31	300	8	6.5	---	---	---	2490	5	34
MONTH	11168	---	141.24	43061	---	3404.2	96895	---	34543.5

01531000 CHEMUNG RIVER AT CHEMUNG, N.Y.—Continued

SUSPENDED-SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	JANUARY			FEBRUARY			MARCH		
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	1900	7	36	4250	55	631	6560	66	1170
2	1700	5	23	3220	20	174	4830	31	404
3	1500	3	12	2590	7	49	4610	28	349
4	1700	3	14	2160	6	35	3330	18	162
5	1300	3	11	1870	4	20	2930	9	71
6									
7	1200	1	3.2	1700	6	28	2850	8	62
8	1400	4	15	1500	4	16	2650	8	57
9	1640	3	13	1300	1	3.5	2830	10	76
10	2240	17	103	1200	1	3.2	2670	9	65
	5260	65	923	1100	3	8.9	2150	5	29
11									
12	10800	456	19300	900	5	12	2090	3	17
13	26000	708	53800	900	5	12	1980	3	16
14	12200	120	3950	940	4	10	2060	4	22
15	7370	44	876	960	4	10	2550	6	41
	5160	17	237	1000	2	5.4	2160	4	23
16									
17	4300	11	128	1100	1	3.0	2020	3	16
18	3600	9	87	1100	1	3.0	2090	5	28
19	2930	6	47	1530	6	25	3050	18	148
20	2810	10	76	3800	30	308	4060	52	730
	2710	7	51	3660	42	415	19300	671	36900
21									
22	2000	3	16	2510	15	102	12700	160	5490
23	1700	3	14	2610	12	85	7740	50	1040
24	1700	6	28	6360	146	3250	6750	40	729
25	1800	3	15	29800	958	87700	5990	34	550
	1870	1	5.0	42700	749	90500	6730	33	600
26									
27	2650	11	79	19800	250	13400	6390	35	604
28	2990	16	129	11500	120	3730	4780	21	271
29	2110	5	28	7890	73	1560	3890	13	137
30	2410	5	33	---	---	---	3680	12	119
31	11000	506	16500	---	---	---	3850	9	94
	6120	280	4630	---	---	---	3620	8	78
MONTH	134070	---	101182.2	159950	---	202099.0	142890	---	50098

DAY	APRIL			MAY			JUNE		
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1									
2	3180	7	60	1410	12	46	1410	24	91
3	2950	11	88	1950	90	474	1550	25	105
4	3750	40	405	2290	125	773	1340	19	69
5	6220	121	2140	2730	72	650	1370	23	85
	4300	40	464	8730	142	3510	1800	45	219
6									
7	3920	13	138	10300	285	9630	16400	599	29700
8	3600	6	58	24600	689	49000	15700	290	12300
9	3330	7	63	12100	160	5230	7090	58	1110
10	3620	14	137	7650	93	1920	5240	37	523
	3570	13	125	5550	62	929	3970	32	343
11									
12	3380	10	91	4400	35	416	2950	33	263
13	3110	9	76	3770	25	254	2750	30	223
14	2830	6	46	3820	28	289	4060	45	493
15	2550	5	34	4450	36	433	3310	38	340
	2370	7	45	3550	27	259	2530	27	184
16									
17	2310	8	50	4040	32	349	3220	196	3470
18	2270	11	67	4160	33	371	5990	480	7760
19	2200	9	53	3200	23	199	3180	95	816
20	2200	8	48	2850	17	131	2390	48	310
	2310	10	62	2530	17	116	2610	46	324
21									
22	2250	19	115	2240	15	91	2390	130	839
23	2020	5	27	2110	13	74	1860	30	151
24	1800	10	49	2130	13	75	1570	22	93
25	1700	20	92	2220	20	120	1410	12	46
	1860	10	50	2850	200	1540	1480	19	76
26									
27	1930	9	47	3030	70	573	1260	22	75
28	1710	8	37	2470	90	600	1150	20	62
29	1530	17	70	2470	50	333	1070	20	58
30	1410	15	57	1860	23	116	1020	20	55
31	1350	16	58	1530	37	153	910	11	27
	---	---	---	1410	23	88	---	---	---
MONTH	81530	---	4852	138400	---	78742	102980	---	60210

CONTINUED NEXT PAGE

SUSQUEHANNA RIVER BASIN

01531000 CHEMUNG RIVER AT CHEMUNG, N.Y.—Continued

SUSPENDED-SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	JULY			AUGUST			SEPTEMBER		
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	814	9	20	500	15	20	1480	43	172
2	730	15	30	460	15	19	966	38	99
3	670	18	33	450	20	24	814	25	95
4	790	16	34	430	25	29	670	27	49
5	1210	18	59	440	20	24	570	18	28
6	838	14	32	470	10	13	525	20	28
7	682	15	28	520	15	21	489	18	24
8	660	25	45	560	15	23	516	22	31
9	640	13	22	470	10	13	630	18	31
10	754	10	20	420	10	11	534	15	22
11	694	12	22	380	20	21	498	13	17
12	640	10	17	360	10	9.7	778	32	67
13	2570	267	2960	340	10	9.2	4300	173	2160
14	2150	200	1160	330	10	8.9	2690	195	1420
15	2270	300	1840	340	12	11	1700	86	395
16	1200	220	713	480	11	14	1230	53	176
17	900	55	134	448	13	16	980	43	114
18	820	37	82	416	10	11	862	38	88
19	720	28	54	352	18	17	874	30	71
20	1100	40	119	306	14	12	1010	30	82
21	1200	50	162	292	13	10	994	25	67
22	840	40	91	278	14	11	826	26	58
23	700	20	38	328	19	17	766	20	41
24	760	20	41	360	13	13	1190	50	161
25	2100	250	1420	416	14	16	9450	694	28700
26	1200	210	680	432	15	17	64300	2130	402000
27	820	60	133	560	16	24	82300	1200	329000
28	880	45	107	780	18	38	18900	210	10700
29	800	40	86	580	13	20	9870	100	2660
30	640	25	43	706	18	34	6700	75	1360
31	560	20	30	2040	70	386	---	---	---
MONTH	31352	---	10255	15244	---	912.8	217412	---	779876
YEAR	1174952		1326316						

PARTICLE SIZE DISTRIBUTION OF SUSPENDED SEDIMENT

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TEMPERATURE (DEG C)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	SUSPENDED SED. FALL DIAM. % FINER	SUSPENDED SED. FALL DIAM. % FINER
						.002 MM	.004 MM
DEC. 09...	0805	16900	2.5	596	27200	31	42
FEB. 25...	0830	51900	3.0	904	127000	--	44

DATE	SUSPENDED SED. FALL DIAM. % FINER	SUSPENDED SED. FALL DIAM. % FINER	SUSPENDED SED. FALL DIAM. % FINER	SUSPENDED SED. FALL DIAM. % FINER	SUSPENDED SED. FALL DIAM. % FINER	SUSPENDED SED. FALL DIAM. % FINER
	.008 MM	.016 MM	.031 MM	.062 MM	.125 MM	.250 MM
DEC. 09...	57	73	85	95	98	100
FEB. 25...	59	72	86	93	98	100

OHIO RIVER BASIN

527

03013000 CONEWAGO CREEK AT WATERBORO, N.Y.

LOCATION.--Lat 42°10'15", long 79°04'10", Chautauqua County, at gaging station 300 ft (91 m) downstream from bridge on State Highway 394 in Waterboro, 0.2 mi (0.3 km) downstream from Davis Brook, and 1.9 mi (3.1 km) northeast of Kennedy.

DRAINAGE AREA.--290 mi² (751 km²).

PERIOD OF RECORD.--Chemical analyses: August 1965 to October 1975 (discontinued).

REMARKS.--New York State Water Quality Surveillance Network station number 02 1018.

CHEMICAL ANALYSES, OCTOBER 1974 TO OCTOBER 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	TOTAL IRON (FE) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	TOTAL CAL- CIUM (CA) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	TOTAL PO- TAS- SIUM (K) (MG/L)
OCT., 1974											
23...	1430	102	--	--	41	--	7.3	--	--	--	--
NOV.											
20...	1400	912	3700	170	20	--	4.0	--	3.1	--	2.1
DEC.											
17...	1500	724	580	80	26	--	4.6	--	4.0	--	.8
JAN., 1975											
23...	1300	327	520	100	30	--	6.0	--	4.6	--	1.4
FEB.											
20...	1400	880	590	50	26	--	3.7	--	5.0	--	1.4
MAR.											
19...	1430	1200	1900	250	17	--	4.0	--	3.5	--	1.2
APR.											
21...	1400	780	490	50	31	--	3.8	--	3.4	--	.9
MAY											
21...	1430	177	1200	200	38	--	7.2	--	4.5	--	1.0
JUNE											
16...	1130	570	--	--	--	28	--	4.8	--	4.4	--
JULY											
15...	1130	81	--	--	--	44	--	7.2	--	6.0	--
AUG.											
04...	1100	101	--	--	--	47	--	8.4	--	6.3	--
SEP.											
10...	1100	122	--	--	--	50	--	6.5	--	5.1	--
OCT.											
22...	1230	583	--	--	--	30	--	5.0	--	3.9	--

DATE	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	RICAR- BONATE (HCO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)
OCT., 1974											
23...	--	126	103	27	9.7	.52	.00	.52	.14	.11	.25
NOV.											
20...	--	59	48	22	6.3	.53	.01	.54	.29	.58	.87
DEC.											
17...	--	67	55	23	8.8	.72	.00	.72	.11	.19	.30
JAN., 1975											
23...	--	91	75	22	7.0	.99	.01	1.0	.09	.13	.22
FEB.											
20...	--	62	51	17	11	.85	.01	.86	.12	.10	.22
MAR.											
19...	--	48	39	17	7.5	.63	.01	.64	.09	.39	.48
APR.											
21...	--	64	53	17	6.4	.50	.01	.51	.02	.20	.22
MAY											
21...	--	129	106	22	7.7	.54	.02	.56	.06	.20	.26
JUNE											
16...	1.5	92	75	15	6.5	.57	.01	.58	.03	.49	.52
JULY											
15...	1.5	140	115	22	11	.46	.01	.47	.05	.26	.31
AUG.											
04...	1.7	157	129	24	11	.39	.04	.43	.04	.43	.47
SEP.											
10...	1.4	141	116	21	7.1	.56	.01	.57	.03	.28	.31
OCT.											
22...	2.7	82	67	18	8.2	.28	.01	.29	.01	.52	.53

CONTINUED NEXT PAGE

03013000 CONEWANGO CREEK AT WATERBORO, N.Y.--Continued

CHEMICAL ANALYSES, OCTOBER 1974 TO OCTOBER 1975

DATE	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	FIXED NON-FILTERABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)	RESIDUE ON IGNITION (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROHMOS)
OCT.. 1974											
23...	.77	.03	.03	--	4	0	182	162	--	--	370
NOV.											
20...	1.4	.18	.11	--	103	91	213	171	--	--	213
DEC.											
17...	1.0	.04	.02	--	6	5	130	93	--	--	255
JAN.. 1975											
23...	1.2	.03	.02	--	2	4	147	131	--	--	280
FEB.											
20...	1.1	.05	.02	--	16	13	120	90	--	--	195
MAR.											
19...	1.1	.08	.02	--	73	65	161	141	--	--	117
APR.											
21...	.73	.03	.02	--	9	6	111	103	--	--	174
MAY											
21...	.82	.06	.02	--	21	19	188	119	--	--	281
JUNE											
16...	1.1	.09	.03	143	45	--	--	--	90	14	207
JULY											
15...	.78	.08	.01	182	20	--	--	--	140	25	320
AUG.											
04...	.90	.03	.03	205	11	--	--	--	150	23	342
SEP.											
10...	.88	.04	.02	207	6	--	--	--	150	36	310
OCT.											
22...	.82	.08	.02	137	19	--	--	--	96	28	213

DATE	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)
OCT.. 1974										
23...	20	4	9.9	79	9	4.0	--	--	--	--
NOV.										
20...	40	60	10.3	82	24	8.2	--	--	--	--
DEC.										
17...	10	6	11.3	81	14	2.6	--	--	--	--
JAN.. 1975										
23...	10	5	9.5	65	9	2.5	--	--	--	--
FEB.										
20...	20	10	11.1	76	12	3.2	--	--	--	--
MAR.										
19...	20	30	10.4	77	15	3.0	1	0	1	<.5
APR.										
21...	14	5	9.7	80	19	3.8	--	--	--	--
MAY										
21...	8	9	6.6	72	13	3.3	--	--	--	--
JUNE										
16...	--	16	8.1	88	--	--	--	--	--	--
JULY										
15...	--	10	7.1	81	--	--	--	--	--	--
AUG.										
04...	--	6	7.0	82	--	--	--	--	--	--
SEP.										
10...	--	8	9.1	89	--	--	--	--	--	--
OCT.										
22...	--	4	9.1	83	--	--	--	--	--	--

STREAMS TRIBUTARY TO LAKE ERIE

529

04213500 CATTARAUGUS CREEK AT GOWANDA, N.Y.

LOCATION.--Lat 42°27'50", long 78°56'10", Erie County, at bridge on State Highway 39 and 62 in Gowanda, 380 ft (116 m) upstream from gaging station and 4.1 mi (6.6 km) downstream from South Branch.

DRAINAGE AREA.--432 mi² (1,119 km²).

PERIOD OF RECORD.--Chemical analyses: October 1958 to September 1959, October 1974 to September 1975.

REMARKS.--New York State Water Quality Surveillance Network station number 01 1070. Additional water quality data available from New York State Department of Environmental Conservation.

COOPERATION.--October 1974 sample furnished by New York State Department of Environmental Conservation.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
OCT. 22...	1225	--	--	--	--	--	--	--	--	--
JULY 16...	0730	175	--	--	--	--	--	--	--	--
AUG. 05...	0700	340	51	9.0	7.9	2.8	150	0	123	26
SEP. 11...	0730	142	--	--	--	--	--	--	--	--

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)
OCT. 22...	--	--	--	--	--	--	--	--	--	--
JULY 16...	--	1.0	.14	.30	.44	1.4	.03	223	13	363
AUG. 05...	12	1.1	.13	.74	.87	2.0	.03	217	267	340
SEP. 11...	--	.71	.32	.42	.74	1.5	.01	173	14	400

DATE	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	CHLOROPHYLL A (UG/L)	CHLOROPHYLL B (UG/L)	FECAL COLIFORM (COL PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 22...	--	--	--	--	--	--	--	--	--	--
JULY 16...	7.9	20.0	13	9.0	98	9	.0	.0	430	5.6
AUG. 05...	7.7	20.0	160	8.8	96	23	.0	.0	833000	5.4
SEP. 11...	8.0	14.0	7	10.0	96	9	.0	.0	8140	3.2

DATE	OIL AND GREASE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
OCT. 22...	--	<1	--	--	110	--	0	.5	--
JULY 16...	0	0	0	10	10	500	2	<.5	10
AUG. 05...	0	5	0	10	10	5600	7	<.5	20
SEP. 11...	0	0	0	40	0	430	3	<.5	10

* Results based on colony count outside the acceptable range (non-ideal colony count).

STREAMS TRIBUTARY TO LAKE ERIE

04214020 CATTARAUGUS CREEK AT IRVING, N.Y.

LOCATION.--Lat 42°34'12", long 79°06'45", at Chautauqua-Erie County line, at bridge on Buffalo Road in Irving, 0.4 mi (0.6 km) downstream from bridge on U.S. Highway 20 and State Highway 5 and 1.5 mi (2.4 km) upstream from mouth.

DRAINAGE AREA.--554 mi² (1,435 km²) at mouth.

PERIOD OF RECORD.--Chemical analyses: October 1974 to September 1975.

REMARKS.--New York State Water Quality Surveillance Network station number 01 1030. Additional water quality data available from New York State Department of Environmental Conservation.

Cooperation.--October 1974 sample furnished by New York State Department of Environmental Conservation.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)	CARBONATE (CO ₃) (MG/L)	ALKALINITY AS CaCO ₃ (MG/L)	DISSOLVED SULFATE (SO ₄) (MG/L)
OCT. 22...	1035	--	--	--	--	--	--	--	--	--
JULY 15...	1700	320	--	--	--	--	--	--	--	--
AUG. 04...	1730	393	50	9.8	10	2.2	145	0	119	32
SEP. 10...	1630	279	--	--	--	--	--	--	--	--

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SPECIFIC CONDUCTANCE (MICROMOS)
OCT. 22...	--	--	--	--	--	--	--	--	--	--
JULY 15...	--	.88	.00	.07	.07	.95	.03	236	2	370
AUG. 04...	15	1.0	.01	.39	.40	1.4	.01	218	36	370
SEP. 10...	--	.77	.04	.20	.24	1.0	.01	277	8	450

DATE	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	CHLOROPHYLL A (UG/L)	CHLOROPHYLL B (UG/L)	FECAL COLIFORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 22...	--	--	--	--	--	--	--	--	--	--
JULY 15...	7.5	25.0	9	8.8	103	6	.0	.0	81800	8.6
AUG. 04...	7.7	24.0	22	8.5	100	11	.0	.0	4100	2.0
SEP. 10...	7.9	18.0	6	9.8	103	8	.0	.0	590	7.1

DATE	OIL AND GREASE (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
OCT. 22...	--	1	--	--	0	--	0	1.1	--
JULY 15...	0	0	0	<10	10	270	2	<.5	10
AUG. 04...	0	1	0	10	0	1500	3	<.5	10
SEP. 10...	0	0	0	10	10	520	3	<.5	10

B Results based on colony count outside the acceptable range (non-ideal colony count).

STREAMS TRIBUTARY TO LAKE ERIE

04214500 BUFFALO CREEK AT GARDENVILLE, N.Y.

LOCATION.--Lat 42°51'16", long 78°45'22", Erie County, at gaging station in Gardenville, 300 ft (91 m) downstream from bridge on Union Road, and 2 mi (3.2 km) upstream from Cayuga Creek.

DRAINAGE AREA.--144 mi² (373 km²).

PERIOD OF RECORD.--Chemical analyses: October 1961 to September 1962, July 1966 to May 1975 (discontinued).
Water temperatures: October 1961 to September 1962.

REMARKS.--New York State Water Quality Surveillance Network station number 01 1108.

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TOTAL IRON (FF) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
OCT. 24...	0900	25	140	70	63	14	11	2.7	204	0	167	53
NOV. 21...	1030	2350	6500	220	35	8.0	7.0	3.9	72	0	59	38
DEC. 18...	1000	351	590	40	35	7.2	9.0	1.7	92	0	75	39
JAN. 23...	1600	115	200	10	50	11	9.5	1.6	154	0	126	44
FEB. 20...	1700	314	640	40	36	8.0	16	2.1	104	0	85	35
MAR. 19...	1730	1180	4900	90	28	5.3	18	2.3	89	0	73	32
APR. 21...	1630	163	200	20	37	8.4	7.0	1.4	121	0	99	30
MAY 22...	0800	75	220	30	63	10	13	1.9	175	0	144	41

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	FIXED NON-FILTERABLE RESIDUE (MG/L)
OCT. 24...	21	.00	.00	.00	.08	.14	.22	.22	.00	.00	2	1
NOV. 21...	13	1.1	.03	1.1	.38	.92	1.3	2.4	.26	.20	185	169
DEC. 18...	17	1.1	.00	1.1	.11	.27	.38	1.5	.04	.02	10	10
JAN. 23...	19	1.5	.01	1.5	.03	.17	.20	1.7	.01	.01	0	0
FEB. 20...	31	1.2	.01	1.2	.15	.26	.41	1.6	.05	.02	20	17
MAR. 19...	25	.74	.02	.76	.19	.53	.72	1.5	.14	.05	161	148
APR. 21...	14	.73	.01	.74	.01	.14	.15	.89	.01	.01	1	1
MAY 22...	22	.46	.03	.49	.01	.25	.26	.75	.02	.00	5	3

DATE	TOTAL RESIDUE (MG/L)	RESIDUE ON IGNITION (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 24...	301	265	565	7.7	3.5	20	3	12.9	96	13	6.7
NOV. 21...	380	326	290	7.2	4.0	100	100	13.1	101	43	10
DEC. 18...	200	156	370	7.4	.0	20	10	14.0	96	14	3.7
JAN. 23...	248	190	435	7.3	.0	7	4	13.0	89	9	3.0
FEB. 20...	222	186	385	7.6	.5	30	20	12.2	85	13	3.2
MAR. 19...	362	252	226	7.5	3.0	50	80	12.1	90	26	5.5
APR. 21...	189	137	299	8.4	12.0	8	4	11.1	103	13	3.2
MAY 22...	286	185	420	7.5	20.0	7	2	9.0	99	15	5.5

STREAMS TRIBUTARY TO NIAGARA RIVER

04218030 TONAWANDA CREEK AT MILLERSPORT, N.Y.

LOCATION.--Lat 43°05'10", long 78°41'50", at Erie-Niagara County line, at bridge on State Highway 78, in Millersport, 0.5 mi (0.8 km) upstream from Mud Creek.

DRAINAGE AREA.--357 mi² (925 km²).

PERIOD OF RECORD.--Chemical analyses: October 1973 to May 1975 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)
OCT. 08...	1300	1.8	.06	1.9	.55	2.5	.27	950	7.6	11.0	20	9.8
DEC. 03...	1400	1.2	.00	1.2	.50	1.7	.09	930	7.3	.0	7	11.4
MAR. 04...	1400	1.4	.02	1.4	.47	1.9	.08	342	7.5	.0	20	13.4
MAY 12...	1300	.49	.02	.51	.53	1.0	.09	535	7.7	13.0	10	9.2

DATE	PER-CENT SATUR-ATION	CHLORO-PHYLL A (UG/L)	CHLORO-PHYLL B (UG/L)	FECAL COLI-FORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL CAD-MIUM (CD) (UG/L)	TOTAL CHRO-MIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
OCT. 08...	88	13	9.3	81200	6.8	1	1	0	0	1	<.5	30
DEC. 03...	79	3.0	6.5	160	8.6	1	0	0	10	3	<.5	10
MAR. 04...	92	.0	2.0	150	5.2	0	0	0	10	1	<.5	10
MAY 12...	87	.0	.0	8150	7.7	1	0	10	10	1	<.5	10

PESTICIDE ANALYSES

DATE	ALDRIN IN BOTTOM MA-TERIAL (UG/KG)	CHLOR-DANE IN BOTTOM MA-TERIAL (UG/KG)	DDT IN BOTTOM MA-TERIAL (UG/KG)	DI-AZINON IN BOTTOM MA-TERIAL (UG/KG)	DI-ELDRIN IN BOTTOM MA-TERIAL (UG/KG)	ENDRIN IN BOTTOM MA-TERIAL (UG/KG)	ETHION IN BOTTOM MA-TERIAL (UG/KG)	HEPTA-CHLOR IN BOTTOM MA-TERIAL (UG/KG)	HEPTA-CHLOR EPOXIDE IN BOTTOM MA-TERIAL (UG/KG)
MAY 12...	.0	0	.0	.0	.4	.0	.0	.0	.0

DATE	LINDANE IN BOTTOM MA-TERIAL (UG/KG)	MALA-THION IN BOTTOM MA-TERIAL (UG/KG)	METHYL PARA-THION IN BOT-TOM MA-TERIAL (UG/KG)	METHYL TRI-THION IN BOT-TOM MA-TERIAL (UG/KG)	PARA-THION IN BOTTOM MA-TERIAL (UG/KG)	PCB IN BOTTOM MA-TERIAL (UG/KG)	TOX-APHENE IN BOTTOM MA-TERIAL (UG/KG)	TRI-THION IN BOTTOM MA-TERIAL (UG/KG)
MAY 12...	.0	.0	.0	.0	.0	160	0	.0

B Results based on colony count outside the acceptable range (non-ideal colony count).

04219640 NIAGARA RIVER (LAKE ONTARIO) AT FORT NIAGARA, N.Y.
(National Stream-Quality Accounting Network Station)

LOCATION.--Lat 43°15'40", long 79°03'47", Niagara County, water temperature and specific conductance recorder on U.S. Coast Guard wharf at Old Fort Niagara, at mouth of Niagara River, and 1.0 mi (1.6 km) northwest of Youngstown.

DRAINAGE AREA.--265,000 mi² (686,350 km²).

PERIOD OF RECORD.--Chemical analyses: May 1973 to September 1975.
Water temperature: September to December 1973, December 1974 to September 1975.

REMARKS.--Discharge is estimated on the basis of records for 04216000 Niagara River at Buffalo. Additional water quality data available from the New York State Department of Environmental Conservation. New York State Water Quality Surveillance Network station number 01 0001. Specific conductance and water temperature recorder installed Sept. 11, 1973, removed for repair Jan. 22, 1974, reinstalled Mar. 21, 1974, removed for repair June 20, 1974, reinstalled Dec. 4, 1974. Data for 1973 and 1974 water years not previously published. Specific conductance records unreliable or no record Nov. 18-21, Dec. 8-18, 1973, Jan. 7 to Mar. 20, May 14-15, June 9 to Dec. 4, 10-31, 1974, Jan 1-24, Feb. 14-21, 28 to Mar. 5, June 10-24 and Aug. 20 to Sept. 30, 1975. Water temperature records unreliable or no record Sept. 1-10, Oct. 24-26, Nov. 18-21, Dec. 1-18, 28-31, 1973, Dec. 1-4, 10-31, 1974, Jan. 1-23, Feb. 14-21, Mar. 1-5, June 10-24, and Aug. 20 to Sept. 30, 1975.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)
OCT. 17...	1400	239000	.0	38	9.5	11	1.4	113	0	93
NOV. 07...	1400	219000	.1	40	8.8	12	1.5	115	0	94
APR. 15...	1500	246000	.2	39	8.3	10	1.4	112	0	92
MAY 06...	1400	245000	.1	36	9.0	11	1.5	108	0	89
JUNE 03...	1400	244000	1.5	37	8.1	11	1.4	111	0	91
JUNE 24...	1400	252000	.2	37	8.0	11	1.4	112	0	92
JULY 22...	1400	247000	.4	36	8.6	11	1.3	114	0	94
AUG. 26...	1400	235000	.4	38	8.2	11	1.4	114	0	94
SEP. 23...	1400	242000	.3	44	5.5	10	1.4	117	0	96

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA+MG) (MG/L)
OCT. 17...	25	24	.2	.10	.41	.51	.02	200	165	130
NOV. 07...	25	22	.2	.13	.30	.43	.02	185	166	140
APR. 15...	25	24	.1	.26	.29	.55	.03	191	163	130
MAY 06...	25	24	.2	.52	.36	.88	.03	209	160	130
JUNE 03...	25	23	.6	.29	.40	.69	.03	206	162	130
JUNE 24...	25	24	.1	.23	.38	.61	.04	188	162	130
JULY 22...	25	29	.3	.14	.36	.50	.04	195	168	130
AUG. 26...	26	24	.1	.09	.42	.51	.03	185	165	130
SEP. 23...	26	22	.2	.09	.36	.45	.03	167	167	130

DATE	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 17...	41	324	7.8	14.0	3	--	--	320	818	--
NOV. 07...	42	325	7.6	11.0	5	--	--	500	26	--
APR. 15...	40	330	7.4	1.0	5	--	--	73	816	7.0
MAY 06...	38	312	7.3	8.0	5	--	--	320	96	3.3
JUNE 03...	35	315	7.7	19.0	2	--	--	47	16	2.9
JUNE 24...	33	312	7.7	20.0	3	--	--	120	81	--
JULY 22...	32	310	8.2	22.5	5	--	--	898	89	6.4
AUG. 26...	35	310	7.8	22.5	1	8.9	102	8190	8100	--
SEP. 23...	37	310	8.1	17.0	5	10.1	104	8160	816	9.3

ST. LAWRENCE RIVER MAIN STEM

04219640 NIAGARA RIVER (LAKE ONTARIO) AT FORT NIAGARA, N.Y.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TOTAL ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL COBALT (CO) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)
APR. 15...	1500	2	1	0	0	0	0	0	0	0	0	230
MAY 06...	1400	1	1	8	5	10	10	1	0	10	0	240
JUNE 03...	1400	2	1	2	1	<10	<10	0	0	20	0	130
JULY 22...	1400	11	0	0	1	<10	0	1	1	20	10	210
SEP. 23...	1400	1	--	0	0	<10	0	0	0	10	0	280

DATE	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
APR. 15...	30	6	1	0	0	<.5	<.5	0	0	20	10
MAY 06...	20	11	2	20	0	<.5	<.5	1	1	60	30
JUNE 03...	10	5	3	20	0	<.5	<.5	1	0	20	10
JULY 22...	30	12	1	10	10	<.5	<.5	0	0	10	0
SEP. 23...	10	46	9	20	0	<.5	<.5	0	0	10	0

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C) SEPTEMBER 1973

SEPTEMBER			
DAY	MAX	MIN	MEAN
1	---	---	---
2	---	---	---
3	---	---	---
4	---	---	---
5	---	---	---
6	---	---	---
7	---	---	---
8	---	---	---
9	---	---	---
10	---	---	---
11	348	343	347
12	351	348	349
13	350	349	350
14	352	348	350
15	349	349	349
16	348	348	348
17	348	348	348
18	347	345	347
19	346	345	346
20	346	344	345
21	347	342	343
22	344	343	343
23	342	342	342
24	341	339	340
25	339	339	339
26	340	338	339
27	339	337	338
28	338	337	337
29	336	336	336
30	335	334	334
31	---	---	---
MONTH	---	---	---

04219640 NIAGARA RIVER (LAKE ONTARIO) AT FORT NIAGARA, N.Y.--Continued

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA

PHYTOPLANKTON, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL COUNT Cells/ml	ORGANISMS IDENTIFIED	PERCENT COMPO- SITION	DATE	TOTAL COUNT Cells/ml	ORGANISMS IDENTIFIED	PERCENT COMPO- SITION				
Oct. 17 1974	2,200	<u>Pediastrum</u>	35	Nov. 7 1974	1,900	<u>Anacystis Incerta</u>	70				
		<u>Lyngbya</u>	22			<u>Pediastrum</u>	14				
		<u>Oscillatoria</u>	14			<u>Fragilaria</u>	12				
		<u>Melosira</u>	9			<u>Staurastrum</u>	2				
		<u>Fragilaria</u>	8			<u>Rhoicosphenia</u>	1				
		<u>Scenedesmus</u>	6			<u>Stephanodiscus</u>	1				
		<u>Stephanodiscus</u>	3			<u>Cosmarium</u>	1				
		<u>Cyclotella</u>	2								
		<u>Cocconeis</u>	1								
		<u>Staurastrum</u>	1								
Apr. 4 1975	1,500	<u>Cyclotella</u>	82	May 6 1975	650	<u>Cyclotella</u>	19				
		<u>Asterionella</u>	12			<u>Dictyosphaerium</u>	17				
		<u>Stephanodiscus</u>	3			<u>Asterionella</u>	12				
		<u>Closteriopsis</u>	3			<u>Melosira</u>	12				
						<u>Tetrastrum</u>	7				
		<u>Scenedesmus</u>	7								
		<u>Crucigenia</u>	7								
		<u>Gloeoecystis</u>	7								
		<u>Microactinium</u>	3								
		<u>Elakatothrix</u>	3								
		<u>Nitzschia</u>	2								
		<u>Synedra</u>	2								
		<u>Stephanodiscus</u>	2								
June 3 1975	72	<u>Melosira</u>	44	June 25 1975	250	<u>Scenedesmus</u>	62				
		<u>Scenedesmus</u>	22			<u>Melosira</u>	21				
		<u>Nitzschia</u>	11			<u>Gomphonema</u>	3				
		<u>Gomphonema</u>	11			<u>Stephanodiscus</u>	3				
		<u>Stephanodiscus</u>	11			<u>Cyclotella</u>	3				
		<u>Dinobryon</u>	3								
		<u>Staurastrum</u>	3								
July 22 1975	1,100	<u>Coelastrum</u>	22	Aug. 26 1975	3,900	<u>Scenedesmus</u>	60				
		<u>Oocystis</u>	22			<u>Oocystis</u>	15				
		<u>Scenedesmus</u>	15			<u>Coelastrum</u>	10				
		<u>Sphaerocystis</u>	15			<u>Lyngbya</u>	5				
		<u>Anabaena</u>	11			<u>Mougeotia</u>	4				
		<u>Pediastrum</u>	7			<u>Staurastrum</u>	3				
		<u>Elakatothrix</u>	2			<u>Ankistrodesmus</u>	1				
		<u>Melosira</u>	2			<u>Closteriopsis</u>	1				
		<u>Navicula</u>	2			<u>Nitzschia</u>	1				
		<u>Dictyosphaerium</u>	<1			<u>Pediastrum</u>	<1				
		<u>Crucigenia</u>	<1			<u>Sphaerocystis</u>	<1				
		<u>Cyclotella</u>	<1			<u>Cosmarium</u>	<1				
		<u>Stephanodiscus</u>	<1			<u>Cocconeis</u>	<1				
		<u>Nitzschia</u>	<1								
		<u>Aphanizomeon</u>	<1								
		Sept. 23 1975	1,800			<u>Scenedesmus</u>	36				
						<u>Fragilaria</u>	25				
<u>Pediastrum</u>	12										
<u>Oocystis</u>	12										
<u>Schroederia</u>	3										
<u>Staurastrum</u>	3										
<u>Ankistrodesmus</u>	1										
<u>Cyclotella</u>	1										
<u>Melosira</u>	1										
<u>Stephanodiscus</u>	1										
<u>Coelastrum</u>	<1										
<u>Dictyosphaerium</u>	<1										
<u>Kirchneriella</u>	<1										
<u>Closterium</u>	<1										
<u>Cosmarium</u>	<1										
<u>Cocconeis</u>	<1										
<u>Amphora</u>	<1										
<u>Asterionella</u>	<1										
<u>Anabaena</u>	<1										
<u>Oscillatoria</u>	<1										
<u>Ceratium</u>	<1										

PERIPHERYTON, APRIL 1975 TO SEPTEMBER 1975

SAMPLING METHOD: Polyethylene strip.

PERIOD OF EXPOSURE	BIOMASS DRY WEIGHT (g/m ²)	BIOMASS ASH WEIGHT (g/m ²)	CHLOROPHYLL a (mg/m ²)	CHLOROPHYLL b (mg/m ²)	BIOMASS PIGMENT RATIO
Apr. 15-June 3	35	28	9.6	6.9	690
June 3-July 22	5.2	2.4	25	8.3	120
Aug. 26-Sept. 23	7.4	5.9	9.7	2.7	150

c - Less than 1 Percent; may not have been actually counted.

CONTINUED NEXT PAGE

04219640 NIAGARA RIVER (LAKE ONTARIO) AT FORT NIAGARA, N.Y.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C) WATER YEAR, OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	301	296	298	312	309	310	356	354	353	350	344	350
2	301	299	299	311	311	311	356	348	355	346	342	346
3	301	299	300	312	302	308	357	356	357	346	344	346
4	301	299	299	309	306	307	359	358	358	348	342	346
5	302	299	300	312	294	307	361	352	358	350	346	346
6	299	295	297	315	300	308	364	362	363	350	346	348
7	295	295	295	336	299	308	367	363	364	350	318	334
8	297	295	295	313	294	306	---	---	---	---	---	---
9	297	293	295	319	294	309	---	---	---	---	---	---
10	297	295	296	315	313	313	---	---	---	---	---	---
11	301	296	298	314	307	313	---	---	---	---	---	---
12	301	294	298	315	313	314	---	---	---	---	---	---
13	300	296	298	319	309	314	---	---	---	---	---	---
14	300	296	297	317	312	313	---	---	---	---	---	---
15	301	296	298	320	306	316	---	---	---	---	---	---
16	303	289	300	322	317	321	---	---	---	---	---	---
17	302	301	301	323	320	322	---	---	---	---	---	---
18	301	301	301	---	---	---	---	---	---	---	---	---
19	301	298	301	---	---	---	372	370	371	---	---	---
20	301	301	301	---	---	---	373	371	371	---	---	---
21	301	299	301	---	---	---	377	371	375	---	---	---
22	302	301	301	329	320	324	376	370	373	---	---	---
23	301	301	301	331	328	329	370	368	369	---	---	---
24	301	301	301	335	332	332	371	367	369	---	---	---
25	302	300	301	337	336	336	369	365	366	---	---	---
26	306	304	305	340	338	340	376	370	374	---	---	---
27	310	308	309	345	342	344	376	366	369	---	---	---
28	311	309	310	349	346	348	367	360	362	---	---	---
29	311	309	310	352	348	350	356	352	354	---	---	---
30	312	303	309	356	350	351	354	352	352	---	---	---
31	313	310	311	---	---	---	352	350	352	---	---	---
MONTH	313	289	301	356	294	321	---	---	---	---	---	---
DAY	MARCH			APRIL			MAY			JUNE		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	382	381	381	395	393	393	408	389	391
2	---	---	---	381	378	379	395	393	393	392	391	394
3	---	---	---	378	373	375	390	386	388	397	387	397
4	---	---	---	376	368	373	389	385	387	413	394	401
5	---	---	---	372	365	369	388	384	386	403	399	400
6	---	---	---	374	367	370	388	384	386	403	379	400
7	---	---	---	377	374	376	392	389	391	403	394	400
8	---	---	---	381	378	379	391	389	391	403	392	400
9	---	---	---	381	380	380	388	386	386	---	---	---
10	---	---	---	383	380	382	386	386	386	---	---	---
11	---	---	---	385	384	385	387	385	385	---	---	---
12	---	---	---	387	384	385	388	378	386	---	---	---
13	---	---	---	389	384	387	387	381	385	---	---	---
14	---	---	---	390	386	388	---	---	---	---	---	---
15	---	---	---	390	388	389	---	---	---	---	---	---
16	---	---	---	388	382	384	389	387	388	---	---	---
17	---	---	---	385	384	384	391	387	389	---	---	---
18	---	---	---	386	384	385	391	389	390	---	---	---
19	---	---	---	388	384	386	391	389	390	---	---	---
20	---	---	---	390	386	387	391	389	390	---	---	---
21	367	366	367	390	387	389	392	389	390	---	---	---
22	369	366	367	390	389	389	391	389	390	---	---	---
23	373	370	371	392	391	391	391	389	389	---	---	---
24	373	297	366	395	390	393	394	391	393	---	---	---
25	374	370	371	394	393	393	394	391	393	---	---	---
26	374	372	372	399	392	392	392	391	391	---	---	---
27	378	372	375	393	389	391	394	391	392	---	---	---
28	378	376	377	392	390	391	392	391	392	---	---	---
29	378	376	378	393	390	392	392	391	392	---	---	---
30	377	375	377	396	392	394	392	391	392	---	---	---
31	382	377	379	---	---	---	394	391	392	---	---	---
MONTH	---	---	---	399	365	385	395	378	390	---	---	---

04219640 NIAGARA RIVER (LAKE ONTARIO) AT FORT NIAGARA, N.Y.—Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM at 25°C) WATER YEAR, OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1							---	---	---	---	---	---
2							---	---	---	---	---	---
3							---	---	---	---	---	---
4							---	---	---	---	---	---
5							---	---	---	---	---	---
6							357	332	352	---	---	---
7							355	340	348	---	---	---
8							356	352	354	---	---	---
9							393	299	355	---	---	---
10							362	356	359	---	---	---
11							---	---	---	---	---	---
12							---	---	---	---	---	---
13							---	---	---	---	---	---
14							---	---	---	---	---	---
15							---	---	---	---	---	---
16							---	---	---	---	---	---
17							---	---	---	---	---	---
18							---	---	---	---	---	---
19							---	---	---	---	---	---
20							---	---	---	---	---	---
21							---	---	---	---	---	---
22							---	---	---	---	---	---
23							---	---	---	---	---	---
24							---	---	---	---	---	---
25							---	---	---	---	---	---
26							---	---	---	362	355	358
27							---	---	---	357	353	355
28							---	---	---	360	353	357
29							---	---	---	360	356	359
30							---	---	---	370	297	362
31							---	---	---	371	354	363
MONTH							---	---	---	---	---	---
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1												
2	361	358	359	---	---	---	350	348	350	353	285	323
3	364	354	357	---	---	---	350	348	350	353	304	322
4	359	349	356	---	---	---	352	350	350	325	318	320
5	359	355	356	---	---	---	350	349	350	319	312	317
6	359	357	359	---	---	---	349	347	348	318	311	313
7												
8	362	352	356	349	347	349	349	347	348	322	286	315
9	358	353	354	349	347	348	351	349	350	348	321	334
10	355	352	353	349	347	348	353	349	352	347	293	313
11	358	350	355	351	320	343	354	351	352	350	329	340
12	362	351	357	351	347	349	358	355	356	353	307	335
13												
14	360	357	360	351	347	349	358	355	356	362	309	335
15	360	358	360	349	348	349	356	355	355	350	312	331
16	360	358	360	349	346	348	357	353	355	352	323	338
17	---	---	---	349	346	348	358	346	356	345	333	339
18	---	---	---	350	348	350	358	346	356	329	309	319
19	---	---	---	350	348	349	359	357	358	---	---	---
20	---	---	---	350	348	349	---	---	---	335	303	318
21	---	---	---	351	346	350	359	320	340	333	289	321
22	---	---	---	352	348	350	363	353	357	345	311	327
23	---	---	---	353	350	352	371	304	355	342	320	327
24	---	---	---	354	352	353	362	346	357	330	315	327
25	---	---	---	354	350	353	362	352	354	330	315	327
26	---	---	---	354	350	353	---	---	---	332	301	327
27	365	---	---	350	349	350	352	346	349	329	320	328
28	388	336	364	352	349	350	363	346	350	329	326	328
29	397	334	364	351	347	350	367	336	347	331	329	330
30	377	324	366	351	347	348	355	330	345	331	329	329
31	---	358	360	351	349	350	342	339	341	---	---	---
MONTH				355	320	350	371	286	348	362	285	327

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04219640 NIAGARA RIVER (LAKE ONTARIO) AT FORT NIAGARA, N.Y.--Continued

TEMPERATURE(°C) OF WATER, SEPTEMBER TO DECEMBER 1973

DAY	SEPTEMBER			OCTOBER			NOVEMBER			DECEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	21.0	20.5	21.0	18.0	17.0	17.5	---	---	---
2	---	---	---	21.5	21.0	21.0	17.5	17.0	17.0	---	---	---
3	---	---	---	21.5	21.0	21.0	17.0	16.0	16.5	---	---	---
4	---	---	---	22.0	21.0	21.5	16.0	15.5	16.0	---	---	---
5	---	---	---	22.0	21.5	21.5	16.0	15.0	15.5	---	---	---
6	---	---	---	21.5	21.0	21.0	15.0	14.0	14.5	---	---	---
7	---	---	---	21.0	21.0	21.0	14.0	13.5	14.0	---	---	---
8	---	---	---	21.0	21.0	21.0	14.0	13.0	14.0	---	---	---
9	---	---	---	21.5	21.0	21.5	14.0	11.5	13.0	---	---	---
10	---	---	---	21.5	21.0	21.5	13.5	11.0	12.0	---	---	---
11	29.0	15.5	22.0	21.5	21.0	21.0	13.5	11.0	12.5	---	---	---
12	28.5	14.5	19.0	22.0	21.5	21.5	13.0	12.0	12.5	---	---	---
13	28.5	14.0	22.5	22.0	22.0	22.0	13.0	13.0	13.0	---	---	---
14	28.5	21.0	23.5	22.0	21.0	21.5	14.0	13.5	13.5	---	---	---
15	27.5	17.0	21.5	21.0	20.5	21.0	13.5	13.0	13.0	---	---	---
16	21.5	21.0	21.0	20.5	19.0	20.0	13.0	11.5	12.5	---	---	---
17	21.0	20.5	20.5	20.0	18.0	19.0	12.5	10.5	11.5	---	---	---
18	20.5	20.5	20.5	19.5	17.5	18.5	---	---	---	---	---	---
19	20.5	20.0	20.0	19.0	17.5	18.0	---	---	---	4.5	4.0	4.0
20	20.0	19.5	20.0	19.0	17.5	18.0	---	---	---	4.5	4.5	4.5
21	20.0	19.5	19.5	19.5	17.5	18.0	---	---	---	4.5	4.0	4.0
22	20.0	19.5	20.0	19.5	17.5	18.5	13.5	13.5	13.5	4.0	4.0	4.0
23	20.0	20.0	20.0	20.5	18.0	19.0	13.5	13.0	13.5	4.0	4.0	4.0
24	20.5	20.0	20.0	---	---	---	13.5	13.0	13.0	4.5	4.0	4.0
25	20.5	20.0	20.0	---	---	---	13.5	13.0	13.0	4.5	4.0	4.0
26	21.0	20.5	20.5	---	---	---	13.0	12.5	12.5	4.0	4.0	4.0
27	21.0	21.0	21.0	18.5	18.0	18.5	13.5	12.5	13.0	4.0	3.5	---
28	21.0	21.0	21.0	18.0	17.0	17.5	13.5	13.0	13.5	---	---	---
29	21.0	20.5	21.0	17.0	17.0	17.0	13.0	12.5	12.5	---	---	---
30	21.0	20.5	20.5	17.5	17.0	17.0	12.5	10.0	12.0	---	---	---
31	---	---	---	17.5	17.5	17.5	---	---	---	---	---	---
MONTH	---	---	---	22.0	17.0	20.0	18.0	10.0	13.5	---	---	---

TEMPERATURE (°C) OF WATER, DECEMBER 1974 TO SEPTEMBER 1975

DAY	DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---
2	---	---	---	---	---	---
3	---	---	---	---	---	---
4	---	---	---	---	---	---
5	5.0	4.5	4.5	---	---	---
6	4.5	4.5	4.5	---	---	---
7	4.5	4.0	4.0	---	---	---
8	4.5	4.0	4.0	---	---	---
9	4.5	3.5	4.0	---	---	---
10	---	---	---	---	---	---
11	---	---	---	---	---	---
12	---	---	---	---	---	---
13	---	---	---	---	---	---
14	---	---	---	---	---	---
15	---	---	---	---	---	---
16	---	---	---	---	---	---
17	---	---	---	---	---	---
18	---	---	---	---	---	---
19	---	---	---	---	---	---
20	---	---	---	---	---	---
21	---	---	---	---	---	---
22	---	---	---	---	---	---
23	---	---	---	---	---	---
24	---	---	---	0.0	0.0	0.0
25	---	---	---	0.0	0.0	0.0
26	---	---	---	0.0	0.0	0.0
27	---	---	---	0.0	0.0	0.0
28	---	---	---	0.0	0.0	0.0
29	---	---	---	0.0	0.0	0.0
30	---	---	---	0.0	0.0	0.0
31	---	---	---	0.0	0.0	0.0
MONTH	---	---	---	---	---	---

ST. LAWRENCE RIVER MAIN STEM

04219640 NIAGARA RIVER (LAKE ONTARIO) AT FORT NIAGARA, N.Y.—Continued

TEMPERATURE (°C) OF WATER, DECEMBER 1974 TO SEPTEMBER 1975—Continued

DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1												
2	0.0	0.0	0.0	---	---	---	0.5	0.0	0.0	5.5	5.0	5.5
3	0.0	0.0	0.0	---	---	---	0.5	0.0	0.5	5.5	4.5	5.0
4	0.0	0.0	0.0	---	---	---	0.5	0.0	0.5	6.0	5.0	5.5
5	0.0	0.0	0.0	---	---	---	0.0	0.0	0.0	6.5	6.0	6.0
6	0.0	0.0	0.0	---	---	---	0.0	0.0	0.0	6.5	5.5	6.0
7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	6.5	6.5
8	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	6.5	6.0	6.5
9	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	7.0	6.0	6.5
10	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	7.0	6.5	6.5
11	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	7.5	7.0	7.0
12	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.5	0.5	8.5	7.0	7.5
13	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.5	0.5	8.0	7.5	7.5
14	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	9.5	8.0	8.5
15	---	---	---	0.0	0.0	0.0	1.0	0.5	0.5	9.0	8.5	8.5
16	---	---	---	0.0	0.0	0.0	1.0	1.0	1.0	10.0	9.5	9.5
17	---	---	---	0.0	0.0	0.0	1.5	1.0	1.0	10.0	9.5	10.0
18	---	---	---	0.0	0.0	0.0	2.0	1.0	1.5	11.5	10.0	10.5
19	---	---	---	0.0	0.0	0.0	2.5	1.5	2.0	11.5	11.5	11.5
20	---	---	---	0.0	0.0	0.0	3.0	2.5	2.5	12.5	11.5	12.0
21	---	---	---	0.0	0.0	0.0	3.5	3.0	3.0	13.5	12.5	13.0
22	---	---	---	0.0	0.0	0.0	4.0	3.0	3.5	13.5	13.0	13.5
23	0.0	0.0	0.0	0.0	0.0	0.0	4.0	3.0	3.5	14.0	13.5	13.5
24	0.0	0.0	0.0	0.0	0.0	0.0	4.0	3.5	3.5	15.0	13.5	14.0
25	0.0	0.0	0.0	0.0	0.0	0.0	4.0	4.0	4.0	15.5	15.0	15.0
26	0.0	0.0	0.0	0.0	0.0	0.0	4.0	3.5	4.0	16.5	15.5	15.5
27	0.0	0.0	0.0	0.5	0.0	0.0	4.0	3.0	3.5	17.5	16.0	16.5
28	0.0	0.0	0.0	0.0	0.0	0.0	4.0	3.5	4.0	18.0	17.0	17.5
29	0.0	0.0	0.0	0.5	0.0	0.0	4.5	4.0	4.0	18.0	17.5	18.0
30	---	---	---	0.5	0.0	0.0	5.0	4.5	4.5	18.5	18.0	18.0
31	---	---	---	0.5	0.0	0.0	5.5	5.0	5.0	18.5	18.0	18.5
MONTH	---	---	---	0.5	0.0	0.0	---	---	---	19.0	18.5	18.5
				0.5	0.0	0.0	5.5	0.0	2.0	19.0	4.5	11.0

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

ST. LAWRENCE RIVER MAIN STEM

04219640 NIAGARA RIVER (LAKE ONTARIO) AT FORT NIAGARA, N.Y.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM at 25°C) WATER YEAR, OCTOBER 1974 TO SEPTEMBER 1975

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	332	331	332	317	313	314	312	309	311			
2	334	331	333	317	315	316	311	309	311			
3	334	332	333	317	296	311	311	305	311			
4	333	330	331	317	298	311	311	305	310			
5	332	329	330	318	308	317	316	301	308			
6	331	329	331	317	314	315	308	298	306			
7	330	328	330	314	312	313	315	304	308			
8	329	325	327	312	310	312	311	310	311			
9	328	324	326	312	310	312	319	298	309			
10	---	---	---	312	310	311	327	302	309			
11	---	---	---	311	309	309	310	298	308			
12	---	---	---	309	309	309	309	302	306			
13	---	---	---	311	308	309	309	304	306			
14	---	---	---	311	309	310	311	304	307			
15	---	---	---	311	303	309	313	304	308			
16	---	---	---	310	305	310	313	304	307			
17	---	---	---	312	310	311	312	302	308			
18	---	---	---	317	305	311	312	300	308			
19	---	---	---	314	291	309	310	304	307			
20	---	---	---	314	296	312	---	---	---			
21	---	---	---	314	310	312	---	---	---			
22	---	---	---	312	312	312	---	---	---			
23	---	---	---	314	307	312	---	---	---			
24	---	---	---	320	307	312	---	---	---			
25	314	314	314	314	306	311	---	---	---			
26	314	314	314	311	309	311	---	---	---			
27	314	312	313	311	309	311	---	---	---			
28	314	312	313	311	309	311	---	---	---			
29	316	311	314	312	308	310	---	---	---			
30	316	312	315	312	306	310	---	---	---			
31	---	---	---	312	310	312	---	---	---			
MONTH	---	---	---	320	291	311	---	---	---			

ST. LAWRENCE RIVER MAIN STEM

04219640 NIAGARA RIVER (LAKE ONTARIO) AT FORT NIAGARA, N.Y.—Continued

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	ESTIMATED DIS-CHARGE (CFS)	SUS- PENDED SEDI- MENT (MG/L)	SUS- PENDED SEDI- MENT DIS- CHARGE (T/DAY)	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM
NOV. 07...	1400	219000	8 E	4700	94
APR. 15...	1500	246000	9 E	6000	68
MAY 06...	1400	245000	5 E	3300	100
JUNE 03...	1400	244000	7 E	4600	64
24...	1400	252000	6 E	4100	73
JULY 22...	1400	247000	15E	10000	57
AUG. 26...	1400	235000	4 E	2500	57
SEP. 23...	1400	242000	9 E	5900	77

z Estimated value.

04219765 EIGHTEENMILE CREEK NEAR NEWFANE, N.Y.

LOCATION.--Lat 43°15'09", long 78°41'52", Niagara County, at bridge on Jacques Road, 0.2 mi (0.3 km) upstream from unnamed tributary, 2.5 mi (4.0 km) south of Newfane.

DRAINAGE AREA.--75.4 mi² (195.3 km²).

PERIOD OF RECORD.--Chemical analyses: August 1971 to May 1975 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)
OCT. 08...	1100	.86	.10	.96	.81	1.8	.20	650	7.0	12.5	20	7.5
DEC. 04...	1030	1.4	.14	1.5	1.1	2.6	.41	1200	7.1	2.0	30	9.4
MAR. 04...	1600	1.6	.07	1.7	1.5	3.2	.18	428	7.3	.5	20	12.8
MAY 12...	1200	.80	.10	.90	1.4	2.3	.18	630	7.2	13.0	15	5.2

DATE	PERCENT SATURATION	CHLORO-PHYLL A (UG/L)	CHLORO-PHYLL B (UG/L)	FECAL COLIFORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MERCURY (MG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
OCT. 08...	70	9.0	16	8910	7.1	1	1	20	30	48	<.5	437
DEC. 04...	67	5.0	6.0	88	15	2	1	40	40	54	<.5	644
MAR. 04...	88	4.0	6.0	<1	8.1	1	1	20	20	22	<.5	277
MAY 12...	50	.0	.0	840	9.3	2	0	20	20	33	<.5	199

PESTICIDE ANALYSES

DATE	ALURIN IN BOTTOM MATERIAL (UG/KG)	CHLOR-DANE IN BOTTOM MATERIAL (UG/KG)	DDT IN BOTTOM MATERIAL (UG/KG)	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	ETHION IN BOTTOM MATERIAL (UG/KG)	HEPTA-CHLOR IN BOTTOM MATERIAL (UG/KG)	HEPTA-CHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)
MAY 12...	.0	0	.0	.0	.9	.0	.0	.0	.0

DATE	LINDANE IN BOTTOM MATERIAL (UG/KG)	MALATHION IN BOTTOM MATERIAL (UG/KG)	METHYL PARA-THION IN BOTTOM MATERIAL (UG/KG)	METHYL TRI-THION IN BOTTOM MATERIAL (UG/KG)	PARA-THION IN BOTTOM MATERIAL (UG/KG)	PCB IN BOTTOM MATERIAL (UG/KG)	TOX-APHENE IN BOTTOM MATERIAL (UG/KG)	TRI-THION IN BOTTOM MATERIAL (UG/KG)
MAY 12...	.0	.0	.0	.0	.0	160	0	.0

B Results based on colony count outside the acceptable range (non-ideal colony count).

STREAMS TRIBUTARY TO LAKE ONTARIO

543

04219915 JOHNSON CREEK AT KUCKVILLE, N.Y.

LOCATION.--Lat 43°21'38", long 78°15'54", Orleans County, at bridge on State Highway 18 (Roosevelt Highway) in Kuckville and 1.5 mi (2.4 km) upstream from mouth.

DRAINAGE AREA.--100 mi² (259 km²).

PERIOD OF RECORD.--Chemical analyses: July 1971 to May 1975 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)
OCT. 08...	1000	.42	.01	.43	39	39	.08	1250	7.5	11.0	2	9.4
DEC. 04...	1200	1.6	.00	1.6	.73	2.3	.05	920	7.3	.5	6	12.2
MAR. 05...	1230	1.9	.02	1.9	9.3	11	.08	405	7.8	.0	7	11.9
MAY 12...	1030	1.4	.08	1.5	4.9	6.4	.08	580	7.6	12.0	3	9.6

DATE	PERCENT SATURATION	CHLORO-PHYLL A (UG/L)	CHLORO-PHYLL B (UG/L)	FECAL COLIFORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
OCT. 08...	85	9.5	10	6300	13	18	1	0	0	2	.9	0
DEC. 04...	91	5.0	4.0	3400	8.1	20	1	0	10	2	<.5	100
MAR. 05...	82	2.7	6.0	340	7.4	15	0	0	0	0	<.5	40
MAY 12...	89	6.7	.0	350	12	21	0	10	0	3	<.5	20

PESTICIDE ANALYSES

DATE	ALDRIN IN BOTTOM MATERIAL (UG/KG)	CHLORDANE IN BOTTOM MATERIAL (UG/KG)	DDD IN BOTTOM MATERIAL (UG/KG)	DDE IN BOTTOM MATERIAL (UG/KG)	DDT IN BOTTOM MATERIAL (UG/KG)	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	ETHION IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR IN BOTTOM MATERIAL (UG/KG)
MAY 12...	.0	12	68	52	22	.0	5.3	.0	.0	.0

DATE	HEPTACHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	LINDANE IN BOTTOM MATERIAL (UG/KG)	MALATHION IN BOTTOM MATERIAL (UG/KG)	METHYL PARATHION IN BOTTOM MATERIAL (UG/KG)	METHYL TRI-TION IN BOTTOM MATERIAL (UG/KG)	PARATHION IN BOTTOM MATERIAL (UG/KG)	PCB IN BOTTOM MATERIAL (UG/KG)	TOXAPHENE IN BOTTOM MATERIAL (UG/KG)	TRITHION IN BOTTOM MATERIAL (UG/KG)
MAY 12...	.0	.0	.0	.0	.0	.0	31	0	.0

STREAMS TRIBUTARY TO LAKE ONTARIO

04221000 GENESEE RIVER AT WELLSVILLE, N.Y.

LOCATION.--Lat 42°07'42", long 77°57'39", Allegheny County, at bridge on State Highway 17, 0.5 mi (0.8 km) downstream from gaging station at Wellsville.

DRAINAGE AREA.--289 mi² (749 km²) at gaging station.

PERIOD OF RECORD.--Sediment records: April to September 1975.

EXTREMES.--1975:

Sediment concentrations: Maximum daily, 1,280 mg/l June 5; minimum daily, 0 mg/l Apr. 2.

Sediment discharge: Maximum daily, 9,950 tons (8,980 tonnes) Sept. 26; minimum daily, 0 ton (0 tonne) Apr. 2.

REMARKS.--Miscellaneous suspended sediment data published 1972 water year for the present site. Miscellaneous suspended sediment data for site 3.7 mi (5.9 km) downstream from present sampling site, 1954 water-year unpublished and partial-record station 1964-65 water years.

SUSPENDED-SEDIMENT DISCHARGE MEASUREMENTS, FEBRUARY TO MARCH, 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PENDE SEDI- MENT CHARGE (MG/L)	SUS- PENDE SEDI- MENT DIS- CHARGE (T/DAY)	TEMPER- ATURE (DEG C)	DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PENDE SEDI- MENT CHARGE (MG/L)	SUS- PENDE SEDI- MENT DIS- CHARGE (T/DAY)	TEMPER- ATURE (DEG C)
FEB.						MAR.					
24...	1430	6100	1260	20800	--	19...	0930	630	4	6.8	4.0
25...	1715	3800	972	9970	--	21...	1450	1370	55	203	--
26...	1510	1950	371	1950	4.0						

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, SEPTEMBER 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PENDE SEDI- MENT CHARGE (MG/L)	SUS- PENDE SEDI- MENT DIS- CHARGE (T/DAY)	SUS. SED. FALL DIAM. % FINER THAN .002 MM	SUS. SED. FALL DIAM. % FINER THAN .004 MM	SUS. SED. FALL DIAM. % FINER THAN .008 MM
SEP.							
26...	1600	6440	677	11800	21	24	32

DATE	SUS. SED. FALL DIAM. % FINER THAN .016 MM	SUS. SED. FALL DIAM. % FINER THAN .031 MM	SUS. SED. FALL DIAM. % FINER THAN .062 MM	SUS. SED. FALL DIAM. % FINER THAN .125 MM	SUS. SED. FALL DIAM. % FINER THAN .250 MM	SUS. SED. FALL DIAM. % FINER THAN .500 MM
SEP.						
26...	39	48	63	82	97	99

STREAMS TRIBUTARY TO LAKE ONTARIO

04221000 GENESEE RIVER AT WELLSVILLE, N.Y.--Continued

SUSPENDED-SEDIMENT DISCHARGE, APRIL TO SEPTEMBER 1975

DAY	APRIL			MAY			JUNE		
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	539	1	1.5	255	6	4.1	402	26	28
2	497	0	0	290	2	1.6	270	8	5.8
3	864	34	105	240	2	1.3	372	13	13
4	704	9	17	390	33	36	306	6	5.0
5	632	1	1.7	455	7	8.6	3000	1280	8490
6	600	5	8.1	1400	118	803	3850	310	3250
7	553	8	12	1330	53	190	2110	90	513
8	539	8	12	774	12	25	1310	50	177
9	560	5	7.6	632	7	12	954	37	95
10	525	5	7.1	532	6	8.6	712	20	38
11	483	2	2.6	455	4	4.9	568	16	25
12	434	4	4.7	420	2	2.3	882	31	74
13	396	1	1.1	408	2	2.2	756	22	45
14	360	2	1.9	378	2	2.0	504	11	15
15	360	2	1.9	354	8	9.4	427	6	6.9
16	342	5	4.6	584	10	16	1220	150	557
17	318	6	5.2	378	5	5.1	568	21	32
18	312	5	4.2	348	6	5.6	441	8	9.5
19	414	4	4.5	330	4	3.6	420	10	11
20	390	3	3.2	290	3	2.3	390	11	12
21	342	4	3.7	270	4	2.9	306	5	4.1
22	295	4	3.2	250	3	2.0	260	4	2.8
23	285	6	4.6	648	39	79	230	3	1.9
24	360	4	3.9	342	2	1.8	235	3	1.9
25	360	1	.97	455	1	1.2	210	3	1.7
26	312	3	2.5	330	4	3.6	270	6	4.4
27	275	5	3.7	462	4	5.0	290	7	5.5
28	265	2	1.4	306	2	1.7	215	5	2.9
29	250	2	1.4	255	1	.69	182	6	2.9
30	230	8	5.0	235	6	3.8	160	6	2.6
31	---	---	---	275	6	4.5	---	---	---
MONTH	12796	---	236.27	14071	---	1249.79	21820	---	13432.9
DAY	JULY			AUGUST			SEPTEMBER		
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	140	3	1.1	54	6	.87	140	10	3.8
2	121	2	.65	51	5	.69	117	8	2.5
3	210	24	19	49	5	.66	107	8	2.3
4	250	16	11	54	6	.87	84	7	1.6
5	144	5	1.9	64	7	1.2	73	4	.79
6	117	6	1.9	84	13	2.9	84	3	.68
7	144	17	6.6	97	22	5.8	73	7	1.4
8	104	9	2.5	64	5	.86	62	7	1.2
9	94	5	1.3	54	3	.44	73	9	1.8
10	91	3	.74	49	3	.40	59	11	1.8
11	100	3	.81	47	5	.63	56	5	.76
12	86	6	1.4	45	6	.73	640	137	293
13	80	4	.86	45	4	.49	285	20	15
14	77	6	1.2	49	4	.53	210	12	6.8
15	63	8	1.8	42	6	.68	160	6	2.6
16	68	8	1.5	81	14	3.1	136	2	.73
17	66	10	1.8	73	9	1.8	128	3	1.0
18	60	8	1.3	51	9	1.2	140	5	1.9
19	60	9	1.5	45	9	1.1	240	8	5.2
20	160	31	14	42	4	.45	160	3	1.3
21	104	8	2.2	40	4	.43	151	3	1.2
22	71	7	1.3	42	7	.79	128	3	1.0
23	60	5	.81	40	7	.76	114	2	.62
24	151	16	6.5	49	7	.93	255	13	9.0
25	402	22	24	56	7	1.1	2580	258	2570
26	121	4	1.3	49	5	.66	6290	580	9950
27	87	2	.47	54	8	1.2	2470	275	1830
28	91	3	.74	42	8	.91	1260	65	221
29	76	5	1.0	40	9	.97	864	16	37
30	64	5	.86	532	134	224	656	9	16
31	56	3	.45	220	28	17	---	---	---
MONTH	3538	---	112.49	2304	---	274.15	17795	---	14981.98
YEAR 1975	164101.0	---	30287.58	---	---	---	---	---	---

STREAMS TRIBUTARY TO LAKE ONTARIO

04223000 GENESEE RIVER AT PORTAGEVILLE, N.Y.

LOCATION.--Lat 42°33'30", long 78°02'52", Wyoming County, at bridge on Bailey Road, 2.3 mi (3.7 km) upstream from gaging station at Portageville.

DRAINAGE AREA.--981 mi² (2,541 km²) at gaging station.

PERIOD OF RECORD.--Sediment records: April to September 1975.

EXTREMES.--1975:

Sediment concentrations: Maximum daily, 5,160 mg/l May 7; minimum daily, 1 mg/l July 2.
Sediment discharge: Maximum daily, 192,000 tons (173,000 tonnes) May 7; minimum daily, 0.96 ton (0.87 tonne).

REMARKS.--Sediment partial record station 2.2 mi (3.5 km) downstream from present sampling site operated 1964-65 water years. Also miscellaneous suspended sediment data at downstream site unpublished for 1952 and 1954 water years and published 1972 water-year.

SUSPENDED-SEDIMENT DISCHARGE MEASUREMENTS, DECEMBER 1974 TO MARCH 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PEN- DED SEDI- MENT CHARGE (MG/L)	SUS- PEN- DED SEDI- MENT DIS- CHARGE (T/DAY)	TEMPER- ATURE (DEG C)	DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PEN- DED SEDI- MENT CHARGE (MG/L)	SUS- PEN- DED SEDI- MENT DIS- CHARGE (T/DAY)	TEMPER- ATURE (DEG C)
DEC.						MAR.					
18...	1430	1560	34	143	1.0	20...	1945	8010	2620	56700	--
FEB.						20...	2050	9050	115	2810	3.0
24...	1900	22700	3540	217000	--	21...	1030	5400	105	1530	2.0
25...	1045	18900	1980	101000	--	21...	1135	5240	388	5490	6.0
26...	1345	6670	944	17000	--	23...	1800	3180	151	1300	5.0
MAR.						24...	1045	2900	130	1020	4.0
12...	1505	890	38	91	3.0	25...	0900	5380	553	8030	3.0
13...	1100	1880	238	1210	3.0	26...	1530	3220	197	1710	3.0
14...	1500	1410	186	708	3.0	27...	1230	2100	89	505	6.0
15...	1415	1000	43	116	3.0	28...	1450	1790	70	338	6.0
16...	1430	910	14	34	6.0	29...	1030	1950	70	369	2.0
17...	1600	1060	107	306	11.0	30...	0715	2520	75	510	4.0
18...	1445	2120	206	1180	9.0	31...	1230	1720	49	228	4.0
19...	1900	6940	2710	50800	--						

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, SEPTEMBER 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PEN- DED SEDI- MENT CHARGE (MG/L)	SUS- PEN- DED SEDI- MENT DIS- CHARGE (T/DAY)	SUS. SED. FALL DIAM. % FINER THAN .002 MM	SUS. SED. FALL DIAM. % FINER THAN .004 MM	SUS. SED. FALL DIAM. % FINER THAN .008 MM
SEP.							
12...	1350	10070	5060	138000	28	39	54
26...	1115	15900	2340	100000	29	46	54
26...	1435	15700	2040	86500	26	31	--

DATE	.016 MM	.031 MM	.062 MM	.125 MM	.250 MM	.500 MM
SEP.						
12...	71	84	94	98	99	--
26...	62	77	92	98	100	100
26...	62	76	89	98	100	--

04227000 CANASERAGA CREEK AT SHAKERS CROSSING, N.Y.

LOCATION.--Lat 42°44'13", long 77°50'27", Livingston County, at gaging station 30 ft (9 m) upstream from bridge on State Highway 408 at Shakers Crossing, 1.3 mi (2.1 km) upstream from mouth, and 1.5 mi (2.4 km) northeast of Mount Morris.

DRAINAGE AREA.--333 mi² (862 km²).

PERIOD OF RECORD.--Sediment records: March to September 1975.

EXTREMES.--1975:

Sediment concentrations: Maximum daily, 2,940 mg/l May 6; minimum daily, 4 mg/l July 10.

Sediment discharge: Maximum daily, 17,300 tons (15,600 tonnes) May 6; minimum daily, 0.90 ton (.81 tonne) July 10.

REMARKS.--Miscellaneous suspended sediment data published for water years 1964-65. New York State Water Quality Surveillance Network station number 04 1008. Additional water quality data available from New York State Department of Environmental Conservation.

SUSPENDED-SEDIMENT DISCHARGE MEASUREMENTS, FEBRUARY 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PENDE D DIS- CHARGE (MG/L)	SUS- PENDE D DIS- CHARGE (T/DAY)	TEMPER- ATURE (DEG C)
FEB. 25...	1845	2880	1410	11000	2.0

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, SEPTEMBER 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PENDE D DIS- CHARGE (MG/L)	SUS- PENDE D DIS- CHARGE (T/DAY)	TEMPER- ATURE (DEG C)	SUS. SED. FALL DIAM. % FINER THAN .002 MM	SUS. SED. FALL DIAM. % FINER THAN .004 MM
SEP. 26...	1040	1470	1810	7180	14.0	30	36
26...	1515	1600	1500	6480	--	27	34

DATE	SUS. SED. FALL DIAM. % FINER THAN .008 MM	SUS. SED. FALL DIAM. % FINER THAN .016 MM	SUS. SED. FALL DIAM. % FINER THAN .031 MM	SUS. SED. FALL DIAM. % FINER THAN .062 MM	SUS. SED. FALL DIAM. % FINER THAN .125 MM	SUS. SED. FALL DIAM. % FINER THAN .250 MM
SEP. 26...	49	61	77	90	96	100
26...	46	61	76	90	96	100

SUSPENDED-SEDIMENT DISCHARGE, MARCH TO SEPTEMBER 1975

DAY	MARCH		
	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	240	---	---
2	460	---	---
3	700	---	---
4	560	---	---
5	420	---	---
6	140	33	12
7	220	57	34
8	570	165	254
9	310	130	109
10	290	110	86
11	290	73	57
12	290	61	48
13	490	76	101
14	350	80	76
15	370	113	113
16	310	65	54
17	420	105	119
18	620	170	285
19	940	1790	6180
20	2340	2500	15800
21	1600	500	2160
22	1000	145	391
23	780	93	196
24	640	73	126
25	860	56	130
26	880	53	126
27	490	45	60
28	490	29	38
29	270	36	26
30	430	60	70
31	380	44	45
MONTH	18150	---	26696

04227000 CANASERAGA CREEK AT SHAKERS CROSSING, N.Y.--Continued

SUSPENDED-SEDIMENT DISCHARGE, MARCH TO SEPTEMBER 1975

DAY	APRIL			MAY			JUNE		
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1									
2	400	33	36	203	14	7.7	263	114	90
3	370	47	47	433	312	426	234	80	51
4	470	40	51	355	141	143	221	44	26
5	520	30	42	618	1040	2940	280	84	64
6	440	40	48	1070	2100	6500	381	670	1600
7	420	64	73	1330	2940	17300	1830	1620	8120
8	390	55	58	2140	2000	11600	940	278	745
9	400	37	40	1190	450	1450	600	124	201
10	520	38	53	856	230	532	470	62	79
11	520	50	70	702	92	174	190	68	35
12	500	45	61	598	58	94	90	44	11
13	440	42	50	588	56	89	110	29	8.6
14	380	40	41	711	68	131	270	20	15
15	330	36	32	525	75	106	240	15	9.7
16	360	30	29	312	54	45	240	64	41
17	350	33	31	358	46	44	710	907	2120
18	320	49	42	297	35	28	390	75	79
19	310	41	34	257	31	22	240	54	35
20	330	40	36	240	29	19	600	119	279
21	320	36	31	219	24	14	700	140	276
22	290	36	28	215	30	17	340	84	77
23	257	41	28	207	41	23	250	59	40
24	240	21	14	244	38	25	236	58	37
25	267	10	7.2	221	26	16	309	103	86
26	350	39	37	267	43	36	223	60	36
27	290	24	19	181	34	17	191	35	18
28	252	22	15	185	37	18	163	29	13
29	231	17	11	161	38	17	154	29	12
30	221	20	12	140	39	15	144	12	4.7
31	209	17	9.6	135	31	11	129	15	5.2
MONTH	10697	---	1085.8	15093	---	41868.8	11138	---	14214.2
DAY	JULY			AUGUST			SEPTEMBER		
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1									
2	119	21	6.7	54	25	3.6	104	39	11
3	110	10	3.0	51	19	2.6	89	39	9.4
4	121	10	3.3	46	21	2.6	78	40	8.4
5	154	14	5.8	48	22	2.9	64	42	7.3
6	116	18	5.6	55	17	2.5	57	40	6.2
7	102								
8	95	21	5.8	57	12	1.8	64	39	6.7
9	89	14	3.6	85	40	9.2	60	37	6.0
10	85	15	3.6	59	30	4.8	50	34	4.6
11	83	4	2.1	48	20	2.6	44	34	4.0
12			9.0	46	29	3.6	43	39	4.5
13	89	11	2.6	48	32	4.1	43	28	3.3
14	83	12	2.7	42	32	3.6	200	128	159
15	78	16	3.4	38	33	3.4	230	139	122
16	80	21	4.5	42	32	3.6	92	41	10
17	98	16	4.2	34	32	2.9	78	46	9.7
18	80	11	2.4	36	30	2.9	66	41	7.3
19	71	12	2.3	44	28	3.3	66	36	6.4
20	67	13	2.4	40	27	2.9	64	32	5.5
21	64	10	1.7	33	25	2.2	100	28	7.6
22	80	14	3.0	30	23	1.9	89	16	3.8
23	66	26	5.6	30	21	1.7	85	22	5.0
24	59	39	7.0	33	21	1.9	76	30	6.2
25	57	40	6.4	33	22	2.0	64	25	4.3
26	104	25	3.8	133	44	20	69	34	6.3
27	71	18	5.1	117	22	7.0	236	438	662
28	59	16	3.1	73	15	3.0	1200	1530	4890
29	183	18	2.9	257	719	538	1010	1180	3110
30	108	61	38	102	385	110	400	1180	1280
31	71	39	11	67	170	31	250	168	120
MONTH	2783	40	6.6	160	141	68	180	152	76
YEAR	117358.0	---	163.70	2120	---	886.6	5251	---	10562.5
95477.60									

STREAMS TRIBUTARY TO LAKE ONTARIO

04227500 GENESEE RIVER NEAR MOUNT MORRIS, N.Y.

LOCATION.--Lat 42°46'37", long 77°50'30", Livingston County, at bridge on U.S. Highway 20A and State Highway 39, 1.5 mi (2.4 km) east of Culylerville, 1.2 mi (1.9 km) downstream from gaging station at Jones Bridge Road, and 2.9 mi (4.7 km) northeast of Mount Morris.

DRAINAGE AREA.--1,417 mi² (3,670 km²) at gaging station.

PERIOD OF RECORD.--Chemical analyses: October 1954 to September 1956.

Water temperatures: October 1954 to September 1956.

Sediment records: Water years 1964-65 (partial-record station) April to September 1975.

EXTREMES.--1975:

Sediment concentrations: Maximum daily, 2,030 mg/l Sept. 28; minimum daily, 5 mg/l July 23.

Sediment discharge: Maximum daily, 37,800 tons (34,100 tonnes) Sept. 28; minimum daily, 4.4 tons (4.0 tonnes) July 23.

REMARKS.--Miscellaneous suspended sediment data, unpublished 1954 water year and published 1972 water year.

SUSPENDED-SEDIMENT DISCHARGE MEASUREMENTS, DECEMBER 1974 TO MARCH 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	TEMPERATURE (DEG C)	DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	TEMPERATURE (DEG C)
DEC.						MAR.					
18...	1140	2600	168	1180	1.0	20...	1800	6060	1070	17500	3.0
FEB.						21...	1830	5440	624	9170	3.0
26...	1000	3630	948	9290	2.0	22...	1845	5090	490	6730	2.5
MAR.						23...	1800	4840	367	4800	3.0
12...	1143	1470	1010	4010	--	24...	1830	4770	429	5530	3.0
13...	1900	2770	577	4320	3.0	25...	1900	6220	460	7730	1.0
14...	1600	2540	150	1030	1.0	26...	1915	6860	786	14600	2.5
15...	1645	2130	179	1030	1.0	27...	1910	6660	316	6600	2.0
16...	1900	1790	80	387	2.0	28...	1847	6870	297	5510	3.0
17...	1915	1920	90	467	2.0	29...	1845	5650	816	12400	3.0
18...	1845	3320	527	4720	3.0	30...	1700	3390	1230	11300	3.0
19...	1400	3880	630	6600	5.0	31...	1915	2670	786	5670	2.0
19...	1745	4540	1640	20100	3.0						

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	TEMPERATURE (DEG C)	SUSPENDED SED. FALL DIAM. % FINER THAN .002 MM	SUSPENDED SED. FALL DIAM. % FINER THAN .004 MM
SEP.							
26...	1600	4940	1090	14500	10.0	35	50

DATE	SUSP. SED. FALL DIAM. % FINER THAN .008 MM	SUSP. SED. FALL DIAM. % FINER THAN .016 MM	SUSP. SED. FALL DIAM. % FINER THAN .031 MM	SUSP. SED. SIEVE DIAM. % FINER THAN .062 MM	SUSP. SED. SIEVE DIAM. % FINER THAN .125 MM	SUSP. SED. SIEVE DIAM. % FINER THAN .250 MM
SEP.						
26...	61	74	89	93	99	99

STREAMS TRIBUTARY TO LAKE ONTARIO

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04227500 GENESEE RIVER NEAR MOUNT MORRIS, N.Y.--Continued

SUSPENDED-SEDIMENT DISCHARGE, APRIL TO SEPTEMBER 1975

DAY	MEAN DISCHARGE (CFS)	APRIL			MAY			JUNE		
		MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	
1	2670									
2	2800	245	1770	1040	16	45	1320	208	741	
3	3050	250	1890	1520	67	300	1610	145	630	
4	4080	255	2230	1830	63	311	1210	68	222	
5	3050	430	4740	2190	774	6780	1700	70	321	
		228	1880	4430	1550	19200	2070	218	1760	
6	2970									
7	2950	250	2000	3610	962	11400	5640	1780	27000	
8	2770	150	1190	4920	1640	21600	5700	1160	17900	
9	3050	115	860	4140	790	8830	5350	740	10700	
10	3230	160	1320	4270	800	9220	5150	540	7510	
		160	1400	4600	530	6580	5320	620	8910	
11	3130									
12	2580	150	1270	4360	380	4470	5750	480	7450	
13	2170	100	697	4460	360	4340	5250	370	5240	
14	1910	65	381	4910	410	5440	4570	330	4070	
15	2310	65	335	3840	300	3110	2940	320	2540	
		135	842	1600	258	1110	2160	342	1990	
16	2580									
17	2500	105	731	1770	223	1070	3200	543	4960	
18	2130	92	621	1970	165	878	3490	360	3390	
19	2190	70	403	1490	95	382	3190	210	1810	
20	2460	19	112	1320	68	242	3380	388	3910	
		15	100	1210	50	163	3640	385	3780	
21	2030									
22	1660	15	82	1120	35	106	3230	253	2210	
23	1420	19	85	1020	35	96	2530	192	1310	
24	1420	24	92	2150	816	6950	1510	210	856	
25	2100	39	150	2220	630	4100	1240	210	703	
		81	459	2610	1050	8920	996	98	264	
26	1810									
27	1480	40	195	1990	826	4690	844	50	114	
28	1290	26	104	1590	225	966	738	45	90	
29	1190	20	70	1600	230	994	860	97	225	
30	1110	17	55	1080	90	262	715	42	81	
31	---	17	51	876	108	255	635	35	60	
MONTH	70090	---	---	792	160	342	---	---	---	
		---	26115	76428	---	133152	85938	---	120747	
		JULY			AUGUST			SEPTEMBER		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	
1	569									
2	515	55	84	270	29	21	980	90	238	
3	510	37	51	257	30	21	664	25	45	
4	692	31	43	241	32	21	525	35	50	
5	799	45	84	235	28	18	389	47	49	
		55	119	225	20	12	344	50	46	
6	569									
7	480	20	31	251	10	6.8	336	50	45	
8	450	19	25	312	10	8.4	336	45	41	
9	425	19	23	328	11	9.7	304	40	33	
10	389	18	21	304	20	16	274	48	36	
		27	28	287	20	15	251	35	24	
11	376									
12	364	23	23	192	23	12	238	25	16	
13	360	18	18	219	31	18	1260	453	5440	
14	344	16	16	206	20	11	3230	1440	14200	
15	348	13	12	203	15	8.2	1400	516	1970	
		20	19	195	17	9.0	1040	105	295	
16	328									
17	320	20	18	195	20	11	669	45	81	
18	308	14	12	203	20	11	531	28	40	
19	297	12	10	216	19	11	490	25	33	
20	304	8	6.4	238	17	11	547	32	47	
		9	7.4	219	17	10	785	70	148	
21	316									
22	398	8	6.8	203	19	10	635	32	55	
23	328	6	6.4	155	23	9.6	586	39	62	
24	287	5	4.4	175	17	8.0	709	45	86	
25	372	10	7.7	300	17	14	744	30	60	
		8	8.0	372	20	20	1120	530	2300	
26	664									
27	465	25	45	320	65	56	4370	1660	18900	
28	608	11	11	558	571	873	5250	1120	16700	
29	547	23	38	602	395	666	6860	2030	37800	
30	348	18	27	412	105	117	6460	1240	21600	
31	312	43	40	558	83	125	6160	1080	18000	
MONTH	13392	---	---	1680	382	1860	---	---	---	
YEAR	734948	---	874.1	10131	---	4019.7	47487	---	138440	
		423347.8								

STREAMS TRIBUTARY TO LAKE ONTARIO

04228500 GENESEE RIVER AT AVON, N.Y.

LOCATION.--Lat 42°55'04", long 77°45'27", Livingston County, at bridge on U.S. Highway 20 and State Highway 5, 250 ft (76 m) upstream from gaging station, 0.3 mi (0.5 km) west of Avon, and 0.8 mi (1.3 km) downstream from Conesus Creek.

DRAINAGE AREA.--1,667 mi² (4,318 km²).

PERIOD OF RECORD.--Sediment records: Water years 1964-65 (partial-record station), April to September 1975.

EXTREMES.--1975:

Sediment concentrations: Maximum daily, 2,360 mg/l Sept. 13; minimum daily, 10 mg/l Aug. 13.

Sediment discharge: Maximum daily, 23,500 tons (21,200 tonnes) Sept. 28; minimum daily, 6.4 tons (5.8 tonnes) Aug. 13.

REMARKS.--Miscellaneous suspended sediment data, published 1972 water year. New York State Water Quality Surveillance Network station number 04 0006. Additional water quality data available from New York State Department of Environmental Conservation.

SUSPENDED-SEDIMENT DISCHARGE MEASUREMENTS, DECEMBER 1974 TO MARCH 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PENDE DIS- CHARGE (MG/L)	SUS- PENDE DIS- CHARGE (T/DAY)	TEMPER- ATURE (DEG C)	DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PENDE DIS- CHARGE (MG/L)	SUS- PENDE DIS- CHARGE (T/DAY)	TEMPER- ATURE (DEG C)
DEC.						MAR.					
11...	1020	3390	375	3430	1.0	19...	1515	3070	550	5900	5.0
FER.						21...	1000	7090	847	16200	4.0
26...	1200	5810	844	13200	2.5	22...	0930	1910	672	3470	3.5
MAR.						23...	0935	2060	544	3030	3.0
05...	1115	7660	571	11800	--	24...	0755	4930	381	5070	5.0
06...	1200	7220	402	7840	--	25...	1200	5420	322	4710	1.5
07...	1155	6520	454	7990	--	26...	1215	6490	711	12500	3.0
10...	1245	2140	666	3850	.0	27...	1015	6190	443	7400	4.0
11...	0950	1990	338	1820	1.0	29...	1405	6710	802	14500	4.0
12...	0750	1810	262	1280	2.0	30...	1145	4660	455	5730	3.0
13...	1240	2130	234	1350	3.0	31...	1130	3180	587	5040	
18...	1255	2690	255	1850	4.5						
19...	1300	3750	535	5420	6.0						

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, SEPTEMBER 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PENDE DIS- CHARGE (MG/L)	SUS- PENDE DIS- CHARGE (T/DAY)	SUS- SED. FALL DIAM. % FINER THAN .002 MM	SUS. SED. FALL DIAM. % FINER THAN .004 MM	SUS. SED. FALL DIAM. % FINER THAN .008 MM	SUS. SED. FALL DIAM. % FINER THAN .031 MM	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM	SUS. SED. SIEVE DIAM. % FINER THAN .125 MM	SUS. SED. SIEVE DIAM. % FINER THAN .250 MM
SEP.											
27...	0930	4420	1120	13400	35	48	64	87	94	98	100

04228500 GENESEE RIVER AT AVON, N.Y.--Continued

SUSPENDED-SEDIMENT DISCHARGE, APRIL TO SEPTEMBER 1975

DAY	APRIL			MAY			JUNE		
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1									
2	2730	435	3220	1160	30	95	1020	92	253
3	2690	250	1820	1240	37	124	1510	135	550
4	2820	239	1830	1740	110	520	1340	90	326
5	3850	421	4460	1770	102	540	1350	84	308
	3440	410	3810	3810	1240	12800	1610	214	930
6									
7	2910	250	1960	3960	520	5650	3950	2050	22200
8	3060	236	1950	5410	1510	22000	5660	1280	19600
9	2870	164	1270	4880	933	12400	5330	870	12500
10	2950	192	1530	4140	695	7790	5040	640	8710
	3340	228	2060	4520	690	8440	4850	560	7330
11									
12	3480	200	1840	4390	455	5410	5420	620	9070
13	3200	144	1270	4160	345	3880	5260	486	6900
14	2620	100	707	4510	385	4690	4750	366	4690
15	2240	75	454	4650	480	6040	3590	340	3300
	2220	78	468	2470	300	2010	2220	350	2100
16									
17	2590	120	839	1640	250	1110	2820	443	3370
18	2640	120	855	1920	240	1240	3560	482	4630
19	2420	101	660	1700	162	744	3170	400	3420
20	2120	95	543	1440	100	392	3250	372	3260
	2340	222	1400	1320	80	285	4090	445	4910
21									
22	2190	126	752	1230	74	246	3420	317	2930
23	1850	72	360	1160	70	219	2840	194	1490
24	1590	72	309	1180	101	369	1910	150	774
25	1470	80	320	2340	525	3320	1470	173	687
	1720	130	604	1810	426	2130	1250	171	577
26									
27	1950	94	495	2390	630	4070	1060	88	252
28	1650	63	281	1550	817	3430	948	53	136
29	1440	43	167	1600	240	1040	945	70	179
30	1310	37	132	1260	150	510	929	56	140
31	1240	28	94	1010	100	273	825	45	100
	---	---	---	893	60	145	---	---	---
MONTH	72940	---	36500	77253	---	111912	85387	---	125622
DAY	JULY			AUGUST			SEPTEMBER		
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1									
2	750						1270	385	1320
3	657	40	81	342	35	32	813	267	586
4	597	35	62	291	29	23	654	165	291
5	645	55	89	276	35	26	507	105	144
	840	56	98	267	35	25	414	68	76
6		43	98	258	35	24			
7	747						375	51	52
8	600	36	73	252	33	22	369	57	57
9	528	44	71	294	38	30	366	52	51
10	519	36	51	342	40	37	324	45	39
	474	40	56	357	40	39	291	33	26
11		32	41	327	35	31			
12	447						270	24	17
13	420	27	33	297	31	25	264	30	21
14	420	23	27	219	15	8.9	2460	2360	18600
15	411	25	28	237	10	6.4	1790	1000	4830
	396	28	31	225	18	11	1180	240	765
16		40	43	219	21	12			
17	399						893	80	193
18	375	41	44	213	25	14	660	50	89
19	366	27	27	213	30	17	576	31	48
20	351	30	30	228	24	15	567	24	37
	345	35	33	237	24	15	714	55	106
21		44	41	252	23	16			
22	360						768	48	100
23	384	46	45	234	20	13	678	36	66
24	426	46	48	216	20	12	636	44	76
25	357	40	46	171	28	13	828	49	110
	348	30	29	228	50	31	798	43	93
26		26	24	349	61	66			
27	501						2440	1380	12700
28	651	67	91	390	40	42	4440	1500	17900
29	486	68	120	432	45	52	5880	1520	23500
30	690	78	102	612	87	144	6280	660	11200
31	504	88	164	531	92	132	5830	450	7080
	369	45	61	567	80	122	---	---	---
MONTH	15372	33	33	985	202	656	---	---	100173
YEAR	746761	---	1820	10111	---	1712.3	43335	---	

STREAMS TRIBUTARY TO LAKE ONTARIO

04230500 OATKA CREEK AT GARBUTT, N.Y.

LOCATION.--Lat 43°00'36", long 77°47'30", Monroe County, at bridge on Union Street, 40 ft (12 m) upstream from gaging station in Garbutt; 1.5 mi (2.4 km) west of Scottsville, and 4.0 mi (6.4 km) upstream from mouth.

DRAINAGE AREA.--204 mi² (528 km²).

PERIOD OF RECORD.--Chemical analyses: October 1959 to September 1961.

Water temperatures: October 1959 to September 1961.

Sediment records: Water years 1964-65, (partial-record station), March to September 1975.

EXTREMES.--1975:

Sediment concentrations: Maximum daily, 220 mg/l June 20; minimum daily, 0 mg/l Apr. 14.

Sediment discharge: Maximum daily, 330 tons (298 tonnes) Mar. 20; minimum daily, 0 ton (0 tonne) Apr. 14.

REMARKS.--Miscellaneous suspended sediment data, unpublished 1954 water year. Dashes (---) in mean concentration column infer a concentration of less than 0.5 mg/l.

SUSPENDED-SEDIMENT DISCHARGE MEASUREMENTS, DECEMBER 1974 TO FEBRUARY 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	TEMPERATURE (DEG C)	DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	TEMPERATURE (DEG C)
DEC.						FEB.					
11...	1145	330	10	8.9	1.0	24...	1140	1090	50	147	2.0
FEB.						25...	1600	1830	50	247	2.0
19...	1040	440	14	17	--						

SUSPENDED-SEDIMENT DISCHARGE, MARCH TO SEPTEMBER 1975

MARCH			
DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	500	19	26
2	430	17	20
3	360	16	16
4	300	10	8.1
5	310	5	4.2
6	330	3	2.7
7	339	3	2.7
8	425	11	13
9	360	12	12
10	340	9	8.3
11	320	7	6.0
12	306	3	2.5
13	495	11	15
14	558	11	17
15	455	9	11
16	366	6	5.9
17	353	3	2.9
18	440	4	4.8
19	641	47	83
20	1360	90	330
21	1800	51	252
22	1030	18	50
23	690	14	26
24	613	8	13
25	701	14	26
26	729	13	26
27	608	9	15
28	455	12	15
29	425	8	9.2
30	465	6	7.5
31	445	9	11
MONTH	16949	---	1041.8

04230500 OATKA CREEK AT GARBUTT, N.Y.--Continued

SUSPENDED-SEDIMENT DISCHARGE, APRIL TO SEPTEMBER 1975

DAY	APRIL			MAY			JUNE			
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	
1							123	6	2.0	
2	395	11	12	198	9	4.8	126	6	2.0	
3	375	9	9.1	194	5	2.6	141	8	3.0	
4	380	6	6.2	201	8	4.3	123	7	2.3	
5	380	6	6.2	233	13	8.2	162	14	6.1	
	260	5	3.5	375	12	12				
6							236	24	15	
7	310	5	4.2	455	14	17	262	21	15	
8	340	7	6.4	652	22	39	215	17	9.9	
9	370	5	5.0	685	25	46	171	12	5.5	
10	400	6	6.5	490	14	19	147	9	3.6	
	415	1	1.1	326	7	6.2				
11								7	2.4	
12	440	1	1.2	274	5	3.7	129	6	2.1	
13	495	3	4.0	247	5	3.3	147	12	4.8	
14	500	1	1.4	243	7	4.6	153	11	4.5	
15	460	0	0	236	7	4.5	153	10	4.1	
	531	---	.70	219	4	2.4				
16	624	3	5.1	205	4	2.2	240	18	12	
17	635	5	8.6	198	5	2.7	282	22	17	
18	569	3	4.6	191	4	2.1	270	15	11	
19	515	3	2.8	184	3	1.5	286	59	66	
20	485	4	5.2	180	3	1.5	510	220	303	
21								80	104	
22	420	3	3.4	201	11	6.0	480	33	30	
23	339	4	3.7	180	7	3.4	215	19	11	
24	298	6	4.8	184	5	2.4	168	14	6.4	
25	286	6	4.6	177	4	1.9	150	10	4.1	
	290	6	4.7	180						
26								6	2.1	
27	286	8	6.2	150	3	1.2	132	5	1.7	
28	254	8	5.5	132	2	.71	123	5	1.5	
29	233	7	4.4	123	2	.66	114	4	1.1	
30	219	9	5.3	114	2	.62	106	4	1.1	
31	205	11	6.1	108	3	.87	100	---	---	
	---	---	---	103	4	1.1	---	---	---	
MONTH	11709	---	142.50	7638	---	208.46	5932	---	654.3	
DAY	JULY			AUGUST			SEPTEMBER			
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	
1							106	6	1.7	
2	94	3	.76	45	7	.85	63	3	.51	
3	91	3	.74	45	6	.73	49	2	.26	
4	89	3	.72	45	7	.85	44	2	.24	
5	89	2	.48	49	10	1.3	41	3	.33	
	84	1	.23	47	11	1.4				
6								41	2	.22
7	89	1	.24	51	9	1.2	39	2	.21	
8	79	1	.21	47	7	.89	39	1	.11	
9	74	1	.20	45	10	1.2	39	3	.32	
10	72	1	.19	44	11	1.3	39	3	.32	
	72	3	.58	41	7	.77				
11								2	.21	
12	79	5	1.1	41	6	.66	39	1	.11	
13	69	3	.56	41	8	.89	42	1	.11	
14	67	2	.36	39	9	.95	41	1	.11	
15	65	4	.70	41	6	.66	41	3	.32	
	65	3	.53	57	5	.77	39			
16								4	.44	
17	63	3	.51	67	6	1.1	41	3	.33	
18	61	4	.66	41	5	.55	41	3	.34	
19	59	4	.64	39	4	.42	42	1	.12	
20	57	6	.92	39	4	.42	44	1	.09	
	57	6	.92	39	5	.53	42			
21								---	.05	
22	59	5	.80	37	4	.40	41	1	.09	
23	57	5	.77	37	4	.40	41	4	.44	
24	59	4	.64	37	5	.50	42	3	.34	
25	61	4	.66	45	3	.36	45	2	.24	
	63	5	.85	41	3	.33				
26								2	.33	
27	59	5	.80	41	5	.55	61	7	1.9	
28	55	4	.59	45	4	.49	100	6	1.7	
29	57	5	.77	39	7	.74	103	2	.39	
30	51	6	.83	39	9	.95	72	4	.62	
31	49	6	.79	86	10	2.3	57	---	---	
	47	5	.63	111	6	1.8	---	---	---	
MONTH	2092	---	19.38	1461	---	26.26	1515	---	12.50	
YEAR	86059.0	---	2105.20		---			---		

STREAMS TRIBUTARY TO LAKE ONTARIO

04231000 BLACK CREEK AT CHURCHVILLE, N.Y.

LOCATION.--Lat 43°06'02", long 77°52'57", Monroe County, at gaging station at east end of Carrol Street in Churchville, 100 ft (30 m) downstream from main-line tracks of Penn-Central Transportation Co., and 0.3 mi (0.5 km) downstream from Black Creek Dam.

DRAINAGE AREA.--123 mi² (319 km²).

PERIOD OF RECORD.--Chemical analyses: October 1961 to September 1962, August 1966 to May 1975 (discontinued).

REMARKS.--New York State Water Quality Surveillance Network station number 04 1108.

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	
OCT.	24...	1200	16	--	180	41	--	--	261	0	214	470	
NOV.	21...	1300	100	330	30	160	41	24	280	0	230	300	
DEC.	18...	1330	403	600	40	76	17	13	2.2	185	0	152	110
JAN.	21...	1300	62	110	20	140	34	20	2.5	305	0	250	210
FEB.	21...	1300	372	230	30	82	18	19	2.8	184	0	151	110
MAR.	20...	1230	703	440	20	70	22	13	2.2	185	0	152	90
APR.	22...	1100	163	120	30	120	26	17	2.0	250	0	205	160
MAY	22...	1030	64	130	70	130	32	23	1.9	279	0	229	240

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	FIXED NON-FILT-RABLE RESIDUE (MG/L)
OCT.	24...	55	.24	.00	.24	.15	.19	.34	.58	.01	.01	0
NOV.	21...	49	.59	.00	.59	.14	.17	.31	.90	.03	.03	7
DEC.	18...	29	1.7	.01	1.7	.15	.32	.47	2.2	.06	.04	7
JAN.	21...	47	2.7	.01	2.7	.02	.44	.46	3.2	.01	.01	1
FEB.	21...	41	1.5	.02	1.5	.18	.32	.50	2.0	.06	.03	4
MAR.	20...	28	.99	.01	1.0	.08	.35	.43	1.4	.04	.02	11
APR.	22...	35	1.3	.01	1.3	.01	.29	.30	1.6	.02	.01	0
MAY	22...	46	.84	.05	.89	.03	.45	.48	1.4	.04	.01	2

DATE	TOTAL RESIDUE (MG/L)	RESIDUE ON IGNITION (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	
OCT.	24...	964	822	1650	7.9	7.0	20	2	13.0	107	16	6.6
NOV.	21...	874	742	1500	7.7	4.0	20	5	11.0	82	15	6.1
DEC.	18...	419	334	639	7.3	.0	30	9	12.0	82	23	9.7
JAN.	21...	698	582	1300	7.6	.0	20	2	12.4	85	13	6.4
FEB.	21...	409	359	665	7.4	.0	40	6	10.1	72	20	5.5
MAR.	20...	346	256	370	7.6	4.5	40	10	10.6	82	20	5.8
APR.	22...	571	436	780	7.8	8.0	19	2	12.4	104	20	5.1
MAY	22...	804	536	1010	8.0	22.0	15	2	9.8	111	22	8.7

STREAMS TRIBUTARY TO LAKE ONTARIO

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04231000 BLACK CREEK AT CHURCHVILLE, N.Y.--Continued

SUSPENDED-SEDIMENT DISCHARGE MEASUREMENTS

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PEN- DED SEDI- MENT (MG/L)	SUS- PEN- DED SEDI- MENT DIS- CHARGE (T/DAY)	TEMPER- ATURE (DEG C)	DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PEN- DED SEDI- MENT (MG/L)	SUS- PEN- DED SEDI- MENT DIS- CHARGE (T/DAY)	TEMPER- ATURE (DEG C)
DEC.						JUNE					
11...						03...	1100	71	2	.38	19.5
FEB.						18...	1230	152	6	2.5	22.5
21...	1300	208	4	2.2	2.0	JULY					
24...	1245	166	5	2.2	.0	03...	1045	31	2	.25	20.0
MAR.	1455	1060	15	43	1.0	AUG.					
20...	1200	811	10	22	4.0	02...	1120	20	1	.06	28.0
APR.						17...	1150	22	1	.06	24.0
19...	1105	278	11	8.3	12.0	SEP.					
25...	1420	135	0	.00	11.0	01...	1145	67	2	.36	--
MAY						16...	1125	22	1	.08	--
04...	1110	110	5	1.5	15.0						
19...	1110	76	1	.21	18.5						

STREAMS TRIBUTARY TO LAKE ONTARIO

04232000 GENESEE RIVER AT ROCHESTER, N.Y.

LOCATION.--Lat 43°10'50", long 77°37'40", Monroe County, at gaging station on right bank, 40 ft (12 m) downstream from plant 5 of Rochester Gas and Electric Corporation in Rochester, 100 ft (30 m) upstream from bridge on Driving Park Avenue and 6.1 mi (9.8 km) upstream from mouth.

DRAINAGE AREA.--2,457 mi² (6,364 km²).

PERIOD OF RECORD.--Chemical analyses: October 1954 to September 1955.

Water temperatures: October 1954 to September 1975 (discontinued).

Sediment records: April to September 1975.

EXTREMES.--1974-75:

Water temperatures: Maximum, 27.0°C Aug. 3; minimum, 0.5°C on Jan. 20, 30, Feb. 2, 3, 10, 11.

Sediment concentrations: Maximum daily, 880 mg/l Sept. 28; minimum daily, 8 mg/l July 28.

Sediment discharge: Maximum daily, 15,600 tons (14,100 tonnes) Sept. 28; minimum daily, 22 tons (20 tonnes) July 28.

Period of record:

Water temperatures: Maximum, 30.5°C Aug. 18, 1965; minimum, (1954-64, 1966-74) freezing point on many days during most years.

REMARKS.--Prior to October 1967, published as "at Driving Park Avenue". New York State Water Quality Surveillance network station number 04 0003. No water temperature record Sept. 12, 14. Additional water quality data available from New York State Department of Mental Conservation. Sediment measurements made at Lat 43°09'55", long 77°37'12" at foot bridge 1.3 mi (2.1 km) upstream from gaging station.

COOPERATION.--Water temperature records furnished by the Rochester Gas and Electric Corporation.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

(ONCE-DAILY MEASUREMENT AT 1030)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.5	13.0	2.0	2.0	1.0	3.0	4.5	13.5	21.5	25.0	26.5	20.5
2	14.5	13.0	2.0	1.5	0.5	3.0	4.5	13.5	20.5	24.5	26.5	20.0
3	13.5	12.0	3.0	1.5	0.5	2.0	4.0	14.5	20.5	25.0	27.0	19.5
4	12.0	13.0	1.5	2.0	1.0	2.0	1.5	14.5	20.0	25.0	26.5	19.5
5	11.5	13.0	1.0	1.5	1.5	2.0	2.0	14.5	20.0	25.5	25.5	19.0
6	12.0	11.5	1.5	1.5	1.5	2.0	2.0	13.0	19.5	25.5	24.5	19.5
7	12.0	10.0	1.5	1.5	1.5	2.0	1.5	11.0	18.0	26.0	23.5	19.0
8	13.0	10.5	2.0	2.0	1.5	1.5	1.5	11.0	16.0	26.5	24.0	19.0
9	12.0	10.0	1.5	3.0	1.0	1.0	1.5	11.5	16.0	26.0	25.0	19.0
10	13.0	10.0	1.5	3.0	0.5	1.5	1.5	13.0	16.5	25.5	25.5	18.5
11	13.0	9.5	1.0	3.5	0.5	1.5	2.0	13.0	17.0	24.5	25.5	19.0
12	14.5	9.5	1.5	3.0	1.0	2.0	4.5	13.5	16.5	21.0	24.0	18.5
13	14.5	8.5	2.0	3.0	1.0	3.0	5.0	14.5	17.0	24.5	25.0	18.5
14	14.0	8.5	2.0	2.0	1.0	3.0	4.5	14.5	18.5	24.5	24.5	16.5
15	14.0	8.0	2.0	1.0	1.0	4.0	6.0	15.0	20.0	23.5	24.5	16.5
16	13.5	6.5	2.0	1.5	1.5	4.0	5.5	16.0	21.0	24.0	24.5	15.5
17	13.0	6.5	3.0	1.0	1.0	4.0	5.5	16.0	20.5	25.5	24.5	15.0
18	12.0	7.0	2.0	1.0	1.5	4.0	6.5	18.0	21.0	26.0	24.5	16.0
19	11.0	6.5	1.5	1.0	2.0	3.0	10.0	19.0	22.0	25.5	23.5	16.5
20	10.5	6.5	1.0	0.5	1.5	3.0	10.0	19.5	21.0	25.5	23.0	16.5
21	10.0	6.0	1.0	1.0	1.5	3.5	9.5	20.0	21.5	25.5	23.0	16.5
22	10.0	6.0	1.5	2.0	1.5	3.0	10.0	21.0	22.0	24.5	23.5	16.5
23	10.0	5.5	1.0	1.5	1.5	3.0	9.5	21.5	23.0	25.0	22.0	16.0
24	10.0	5.0	1.5	1.5	1.5	3.5	10.5	23.0	24.0	26.0	22.0	15.5
25	10.5	4.5	1.5	1.5	3.0	4.0	10.0	23.5	24.0	25.5	23.5	14.5
26	10.0	4.5	1.5	1.0	3.0	3.5	10.0	23.0	24.0	24.0	24.0	14.0
27	10.0	4.0	1.5	1.0	2.0	3.0	10.0	23.0	24.5	23.5	24.0	13.5
28	10.0	3.5	1.5	1.0	2.0	3.0	10.0	21.5	24.0	24.0	23.0	13.5
29	10.5	2.0	1.5	1.5	---	3.5	11.0	21.0	24.0	24.0	23.5	14.0
30	10.5	2.0	2.0	0.5	---	3.5	11.5	22.0	24.5	25.5	23.0	---
31	11.5	---	2.0	1.0	---	3.0	---	22.0	---	26.0	21.5	---
AVERAGE	12.0	8.0	2.0	1.5	1.5	3.0	6.5	17.0	20.5	25.0	24.0	17.0

SUSPENDED-SEDIMENT DISCHARGE MEASUREMENTS, MARCH 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	TEMPERATURE (DEG C)
MAR. 19...	1630	6130	170	2810	5.5

04232000 GENESEE RIVER AT ROCHESTER, N.Y.—Continued

SUSPENDED-SEDIMENT DISCHARGE, APRIL TO SEPTEMBER 1975

DAY	APRIL			MAY			JUNE		
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1									
2	4370	68	802	1840	32	159	1930	46	240
3	3760	68	690	1940	30	157	2420	50	327
4	4210	84	955	2480	36	241	2580	78	543
5	4820	84	1090	2890	36	281	2200	46	273
	4700	82	1040	4880	70	922	3040	80	657
6									
7	4250	75	861	6120	130	2150	5160	370	5150
8	4300	90	1040	7780	450	9450	7670	680	14100
9	4340	97	1140	7490	730	14800	7220	520	10100
10	4340	88	1030	6370	600	10300	6540	460	8120
	4600	95	1180	6290	520	8830	6220	408	6850
11									
12	5000	65	877	5990	420	6790	6320	340	5800
13	4990	46	620	5490	290	4300	6720	244	4430
14	4480	39	472	5490	195	2890	6080	200	3280
15	4260	30	345	6130	195	3230	5050	177	2410
	3860	25	261	4360	78	918	3760	162	1640
16									
17	4070	39	429	2690	42	305	4820	160	2080
18	4290	44	510	3040	38	312	5440	150	2200
19	4270	76	876	3040	48	394	4770	150	1930
20	3860	63	657	2720	48	353	4690	155	1960
	3600	63	612	2230	40	241	6440	275	4780
21									
22	3500	64	605	2360	29	185	5730	267	4130
23	3000	40	324	2030	25	137	4690	132	1670
24	2870	12	93	2500	30	203	4010	90	974
25	2410	17	111	3160	36	307	2820	57	434
	2310	15	94	2890	39	304	2230	61	367
26									
27	3020	12	98	3620	46	450	2000	75	405
28	2600	14	98	2700	58	423	1730	60	280
29	2250	19	115	2390	77	497	1430	58	224
30	2140	22	127	2310	80	499	1720	51	237
31	1980	26	139	1710	50	231	1550	42	176
	---	---	---	1730	46	215	---	---	---
MONTH	112450	---	17291	116660	---	70474	126980	---	85767
DAY	JULY			AUGUST			SEPTEMBER		
	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1									
2	1190	33	106	623	20	34	2690	67	487
3	1360	30	110	613	20	33	1760	45	214
4	1070	32	92	539	23	33	1280	42	145
5	1390	31	116	471	26	33	1280	44	152
	1380	25	93	490	25	33	1060	39	112
6									
7	1310	22	78	478	22	28	1170	38	120
8	1230	23	76	543	30	44	1110	42	126
9	1110	37	111	824	20	44	964	32	83
10	970	24	63	769	16	33	1200	40	130
	1100	24	71	774	23	48	891	40	96
11									
12	1000	25	68	1100	37	110	930	36	90
13	1020	21	58	1070	31	90	1120	35	106
14	773	28	58	1010	24	65	2640	170	1210
15	904	36	88	1040	37	104	2960	800	6390
	908	34	83	819	37	82	1530	490	2020
16									
17	950	27	69	978	28	74	1530	300	1240
18	928	23	58	869	28	66	998	110	296
19	746	22	44	963	30	78	1110	53	159
20	965	26	68	921	37	92	1250	50	169
	868	34	80	1020	39	107	1030	50	139
21									
22	1010	35	95	930	37	93	1610	50	217
23	892	31	75	1210	44	144	1090	56	165
24	1010	38	104	1030	45	125	1270	51	175
25	930	31	78	1410	47	179	1330	50	180
	861	36	84	1310	31	110	1710	60	277
26									
27	856	29	67	1270	70	240	3230	64	558
28	1120	19	57	993	36	97	5910	210	3350
29	1040	8	22	1400	23	87	6580	880	15600
30	1170	36	114	1490	39	157	7440	760	15300
31	840	39	88	1470	42	167	7090	525	10100
	655	29	51	1440	41	159	---	---	---
MONTH	31556	---	2425	29867	---	2789	65763	---	59406
YEAR	1213919								

04232006 GENESEE RIVER AT CHARLOTTE DOCKS AT ROCHESTER, N.Y.
(NATIONAL STREAM QUALITY ACCOUNTING NETWORK STATION)

LOCATION.--Lat 43°13'26", long 77°36'59", Monroe County, at Charlotte Docks, at the Rochester Cement Corporation, in Rochester, 0.4 mi (0.6 km) upstream from Rattlesnake Point, 1.6 mi (2.6 km) upstream from Stutson Street Bridge, and 3.9 mi (6.3 km) downstream from gaging station (04232000) at Rochester.

DRAINAGE AREA.--2,457 mi² (6,364 km²) at gaging station.

PERIOD OF RECORD.--Chemical analyses: May 1974 to September 1975.

REMARKS.--Water discharge data are based on records for 04232000 Genesee River at Rochester. Additional water quality data available from New York State Department of Environmental Conservation. New York State Water Quality Surveillance network station number 04 0001.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DIS-SOLVED SILICA (SiO ₂) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)	CARBONATE (CO ₃) (MG/L)	ALKALINITY AS CaCO ₃ (MG/L)
OCT. 18...	1100	E1370	1.2	59	14	49	3.6	138	0	113
NOV. 08...	1100	E2820	3.0	45	9.9	18	3.3	107	0	88
APR. 16...	1100	E4090	2.5	62	14	27	2.3	149	0	122
MAY 07...	1100	E7780	3.6	50	9.6	17	2.0	128	0	105
JUNE 04...	1000	E2200	2.6	62	14	25	2.8	153	0	126
JUNE 25...	1100	E2230	4.6	67	12	21	2.9	160	0	131
JULY 23...	1000	E1010	2.1	80	16	63	3.7	171	0	140
AUG. 27...	1000	E940	1.7	56	13	66	3.5	141	0	116
SEP. 24...	1100	E1330	2.6	58	10	56	3.2	139	0	114

DATE	DIS-SOLVED SULFATE (SO ₄) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA, MG) (MG/L)
OCT. 18...	89	82	.2	.38	1.6	2.0	.20	396	366	210
NOV. 08...	59	31	.1	.44	1.0	1.4	.25	235	222	150
APR. 16...	69	50	.2	1.2	.36	1.6	.06	341	301	210
MAY 07...	51	27	.2	.59	.89	1.5	.20	288	224	160
JUNE 04...	80	41	.1	.64	.71	1.4	.11	365	303	210
JUNE 25...	73	34	.2	.77	.91	1.7	.14	335	294	220
JULY 23...	110	110	.2	.42	1.0	1.4	.16	525	469	270
AUG. 27...	90	110	.3	.42	1.1	1.5	.12	452	410	190
SEP. 24...	81	97	.2	.58	.55	1.1	.11	384	377	190

DATE	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 18...	92	880	7.5	12.0	20	--	--	850	820	--
NOV. 08...	65	418	7.4	9.0	100	--	--	3600	1600	--
APR. 16...	90	565	7.6	3.0	15	--	--	610	200	3.8
MAY 07...	59	422	7.5	11.0	89	--	--	1700	370	7.8
JUNE 04...	87	560	7.6	21.0	25	--	--	81800	84	5.0
JUNE 25...	85	515	7.6	20.0	30	--	--	845000	8270	--
JULY 23...	130	810	8.0	26.0	15	--	--	860	94	6.6
AUG. 27...	78	770	7.5	24.0	10	7.6	88	872000	8600	--
SEP. 24...	72	640	7.7	17.0	25	7.6	78	8920	37	4.2

B Results based on colony count outside the acceptable range (non-ideal colony count).

E Estimated value.

STREAMS TRIBUTARY TO LAKE ONTARIO

04232006 GENESEE RIVER (CHARLOTTE DOCKS) AT ROCHESTER N.Y.—Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TOTAL ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL COBALT (CO) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)
APR. 16...	1100	1	1	1	1	0	<10	1	1	10	0	1200
MAY 07...	1100	3	1	2	0	10	0	3	0	20	20	7400
JUNE 04...	1000	3	2	5	3	10	<10	0	0	50	10	2000
JULY 23...	1000	2	2	0	1	<10	0	0	0	20	10	820
SEP. 24...	1100	3	2	4	3	10	0	0	0	10	10	1500

DATE	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
APR. 16...	50	12	3	50	40	<.5	<.5	0	0	30	30
MAY 07...	60	21	3	180	30	.5	<.5	1	0	40	30
JUNE 04...	60	29	3	110	50	<.5	<.5	0	0	30	20
JULY 23...	50	13	0	110	70	.7	.5	0	0	30	10
SEP. 24...	40	17	4	110	60	<.5	<.5	0	0	40	20

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT CHARGE (T/DAY)	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM
OCT. 18...	1100	E1370	80	E300	72
NOV. 08...	1100	E2820	169	E1300	99
APR. 16...	1100	E4090	39	E430	89
MAY 07...	1100	E7780	226	E4700	97
JUNE 04...	1000	E2200	59	E350	94
JUNE 25...	1100	E2230	68	E410	98
JULY 23...	1000	E1010	36	E100	87
AUG. 27...	1000	E940	27	E70	86
SEP. 24...	1100	E1330	46	E160	99

Estimated value.

CONTINUED NEXT PAGE

STREAMS TRIBUTARY TO LAKE ONTARIO

04232006 GENESEE RIVER (CHARLOTTE DOCKS) AT ROCHESTER N.Y.--Continued

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA

PHYTOPLANKTON, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL COUNT Cells/ml	ORGANISMS IDENTIFIED	PERCENT COMPO- SITION	DATE	TOTAL COUNT Cells/ml	ORGANISMS IDENTIFIED	PERCENT COMPO- SITION
Oct. 18 1974	2,700	<u>Fragilaria</u>	31	Nov. 8 1974	2,800	<u>Nitzschia</u>	42
		<u>Melosira</u>	18			<u>Asterionella</u>	15
		<u>Cyclotella</u>	14			<u>Pandorina</u>	15
		<u>Scenedesmus</u>	9			<u>Cyclotella</u>	8
		<u>Synedra</u>	4			<u>Scenedesmus</u>	8
		<u>Asterionella</u>	4			<u>Navicula</u>	4
		<u>Tetrastrum</u>	4			<u>Diatoma</u>	4
		<u>Gomphonema</u>	3			<u>Amphora</u>	2
		<u>Navicula</u>	3			<u>Gyrosigma</u>	2
		<u>Chlamydomonas</u>	3			<u>Cosmarium</u>	2
		<u>Pinnularia</u>	2				
		<u>Cymbella</u>	1				
		<u>Neidium</u>	1				
		<u>Rhoiocosphenia</u>	1				
		<u>Achnanthes</u>	1				
Apr. 16 1975	480	<u>Navicula</u>	21	May 7 1975	4,000	<u>Navicula</u>	31
		<u>Meridion</u>	18			<u>Nitzschia</u>	23
		<u>Gomphonema</u>	15			<u>Gomphonema</u>	23
		<u>Synedra</u>	12			<u>Achnanthes</u>	8
		<u>Nitzschia</u>	9			<u>Surirella</u>	5
		<u>Achnanthes</u>	9			<u>Cymbella</u>	3
		<u>Surirella</u>	3			<u>Synedra</u>	3
		<u>Cymbella</u>	3			<u>Meridion</u>	3
		<u>Diatoma</u>	3			<u>Tetracyclus</u>	3
		<u>Cyclotella</u>	3				
		<u>Ankistrodesmus</u>	3				
June 4 1975	1,900	<u>Cyclotella</u>	50	June 25 1975	2,900	<u>Melosira</u>	51
		<u>Nitzschia</u>	22			<u>Cyclotella</u>	15
		<u>Navicula</u>	10			<u>Nitzschia</u>	9
		<u>Scenedesmus</u>	8			<u>Navicula</u>	8
		<u>Cymbella</u>	6			<u>Scenedesmus</u>	8
		<u>Melosira</u>	2			<u>Surirella</u>	2
		<u>Trachelomonas</u>	2			<u>Hantzschia</u>	2
						<u>Gomphonema</u>	2
						<u>Dinobryon</u>	2
						<u>Ankistrodesmus</u>	2
July 23 1975	24,000	<u>Oscillatoria</u>	18	Aug. 27 1975	5,900	<u>Actinastrum</u>	30
		<u>Coelastrum</u>	14			<u>Melosira</u>	25
		<u>Cyclotella</u>	13			<u>Cyclotella</u>	18
		<u>Agmenellum</u>	12			<u>Pediastrum</u>	14
		<u>Scenedesmus</u>	10			<u>Oocystis</u>	4
		<u>Micractinium</u>	7			<u>Anacystis</u>	4
		<u>Crucigenia</u>	5			<u>Nitzschia</u>	2
		<u>Nitzschia</u>	3			<u>Ankistrodesmus</u>	1
		<u>Ankistrodesmus</u>	2			<u>Chodatella</u>	1
		<u>Dictyosphaerium</u>	2			<u>Polydriopsis</u>	<1
		<u>Tetrastrum</u>	2			<u>Schroederia</u>	<1
		<u>Sphaerocystis</u>	2			<u>Dictyosphaerium</u>	<1
		<u>Chlamydomonas</u>	2			<u>Tetraedron</u>	<1
		<u>Pandorina</u>	2			<u>Crucigenia</u>	<1
		<u>Melosira</u>	2			<u>Scenedesmus</u>	<1
		<u>Kirchneriella</u>	1			<u>Chlamydomonas</u>	<1
		<u>Oocystis</u>	1			<u>Pandorina</u>	<1
		<u>Selenastrum</u>	1			<u>Rhizosolenia</u>	<1
		<u>Actinastrum</u>	1			<u>Rhoiocosphenia</u>	<1
		<u>Navicula</u>	1			<u>Navicula</u>	<1
		<u>Schroederia</u>	<1			<u>Surirella</u>	<1
		<u>Pediastrum</u>	<1			<u>Agmenellum</u>	<1
		<u>Chodatella</u>	<1			<u>Anabaena</u>	<1
		<u>Closteriopsis</u>	<1			<u>Lynbya</u>	<1
		<u>Quadrigula</u>	<1			<u>Euglena</u>	<1
		<u>Tetraedron</u>	<1				
		<u>Treubaria</u>	<1				
		<u>Coscinodiscus</u>	<1				
		<u>Achnanthes</u>	<1				
		<u>Rhoiocosphenia</u>	<1				
		<u>Cymbella</u>	<1				
		<u>Diatoma</u>	<1				
		<u>Gomphonema</u>	<1				
		<u>Ophiocytium</u>	<1				
		<u>Anacystis</u>	<1				
		<u>Aphanizomenon</u>	<1				
		<u>Lynbya</u>	<1				
		<u>Phormidium</u>	<1				

< - Less than 1 Percent; may not have been actually counted.

STREAMS TRIBUTARY TO LAKE ONTARIO

04232006 GENESEE RIVER (CHARLOTTE DOCKS) AT ROCHESTER N.Y.--Continued

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA

PHYTOPLANKTON, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL COUNT Cells/ml	ORGANISMS IDENTIFIED	PERCENT COMPOSITION
Sept. 24 1975	5,100	<u>Coelastrum</u>	33
		<u>Cyclotella</u>	30
		<u>Melosira</u>	18
		<u>Scenedesmus</u>	10
		<u>Nitzschia</u>	5
		<u>Golenkinia</u>	2
		<u>Ankistrodesmus</u>	2
		<u>Achnanthes</u>	2
		<u>Pediastrum</u>	<1
		<u>Staurastrum</u>	<1
		<u>Rhoicosphenia</u>	<1
		<u>Fragilaria</u>	<1
		<u>Navicula</u>	<1
		<u>Pinnularia</u>	<1
<u>Surirella</u>	<1		

PERIPHYTON, APRIL 1975 TO SEPTEMBER 1975

SAMPLING METHOD: Polyethylene strip.

PERIOD OF EXPOSURE	BIOMASS DRY WEIGHT (g/m ²)	BIOMASS ASH WEIGHT (g/m ²)	CHLOROPHYLL a (mg/m ²)	CHLOROPHYLL b (mg/m ²)	BIOMASS PIGMENT RATIO
Apr. 16-June 4	22	16	41	6.6	140
June 4-July 23	45	37	100	23	84
Aug. 27-Sept. 24	23	20	19	.8	150

< - Less than 1 Percent; may not have been actually counted.

STREAMS TRIBUTARY TO LAKE ONTARIO

04235505 OWASCO OUTLET BELOW AUBURN, N.Y.

LOCATION.--Lat 42°58'02", long 76°35'58", Cayuga County, at bridge on Division Street Road, 1.0 mi (1.6 km) north of Auburn city line and 2.0 mi (3.2 km) downstream from gaging station (04235500) near Auburn.

DRAINAGE AREA.--206 mi² (534 km²) at gaging station.

PERIOD OF RECORD.--Chemical analyses: August 1970 to May 1975 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
OCT. 10...	1030	E250	.95	.04	.99	.40	1.4	.11
DEC. 10...	1030	E1010	.92	.00	.92	.42	1.3	.05
MAR. 13...	1030	E680	.99	.01	1.0	.32	1.3	.05
MAY 16...	0830	E200	1.1	.04	1.1	.35	1.5	.11

DATE	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHLOROPHYLL A (UG/L)	CHLOROPHYLL B (UG/L)	FECAL COLIFORM (COL. PER 100 ML)
OCT. 10...	350	7.7	12.0	6	10.5	97	9.5	9.5	780
DEC. 10...	375	7.6	4.0	6	11.8	89	4.8	4.4	4400
MAR. 13...	236	7.5	2.0	7	11.3	81	2.0	3.0	1300
MAY 16...	340	7.6	14.0	2	8.0	78	.0	.0	880

DATE	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
OCT. 10...	4.8	<1	1	0	0	4	<.5	10
DEC. 10...	3.6	1	0	0	10	3	<.5	20
MAR. 13...	2.5	0	0	<10	0	3	<.5	0
MAY 16...	3.3	0	0	0	10	1	<.5	20

PESTICIDE ANALYSES

DATE	ALDRIN IN BOTTOM MATERIAL (UG/KG)	CHLORDANE IN BOTTOM MATERIAL (UG/KG)	DDD IN BOTTOM MATERIAL (UG/KG)	DDE IN BOTTOM MATERIAL (UG/KG)	DDT IN BOTTOM MATERIAL (UG/KG)	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	ETHION IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR IN BOTTOM MATERIAL (UG/KG)
MAY 16...	.0	0	1.3	.2	.0	.0	.8	.0	.0	.0

DATE	HEPTACHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	LINDANE IN BOTTOM MATERIAL (UG/KG)	MALATHION IN BOTTOM MATERIAL (UG/KG)	METHYL PARA-THION IN BOTTOM MATERIAL (UG/KG)	METHYL TRI-THION IN BOTTOM MATERIAL (UG/KG)	PARA-THION IN BOTTOM MATERIAL (UG/KG)	PCB IN BOTTOM MATERIAL (UG/KG)	TOXAPHENE IN BOTTOM MATERIAL (UG/KG)	TRI-THION IN BOTTOM MATERIAL (UG/KG)
MAY 16...	.0	.0	.0	.0	.0	.0	4	0	.0

E Estimated value.

STREAMS TRIBUTARY TO LAKE ONTARIO

04237500 SENECA RIVER AT BALDWINVILLE, N.Y.

LOCATION.--Lat 43°09'26", long 76°19'56", Onondaga County, at Erie (Barge) Canal lock 24 in Baldwinsville, 350 ft (107 m) upstream from gaging station.

DRAINAGE AREA.--3,136 mi² (8,122 km²).

PERIOD OF RECORD.--Chemical analyses: October 1957 to September 1958.

Water temperatures: October 1957 to September 1975 (discontinued).

EXTREMES.--1974-75:

Water temperatures: Maximum, 27.0°C Aug. 3, 4; minimum, freezing point on Jan. 20-22, Feb. 4.

Period of record:

Water temperatures: Maximum, 28.0°C July 24, 1964; minimum, freezing point on many days during winter periods.

REMARKS.--No record weekends and holidays November to April. Additional water quality data available from New York State Department of Environmental Conservation. New York State Water Quality Surveillance Network station number 07 1020.

COOPERATION.--Water temperature record furnished by the New York State Department of Transportation.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
(ONCE-DAILY MEASUREMENT AT 0800)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	16.5	11.0	---	---	---	---	4.0	10.0	23.0	20.0	20.5	20.5
3	15.0	11.5	4.0	2.0	---	---	4.5	11.5	21.0	20.5	26.5	20.5
4	14.5	12.0	3.5	2.0	2.0	2.0	4.0	13.5	21.0	21.0	27.0	19.5
5	12.0	11.5	3.0	---	0.0	1.0	2.0	14.0	20.5	21.0	27.0	19.5
6	12.0	11.0	2.0	---	1.5	1.0	---	10.5	21.0	22.0	26.5	19.0
7	13.5	11.0	2.0	1.0	1.5	2.0	---	13.0	21.0	23.0	26.0	20.0
8	12.0	11.0	---	1.5	1.5	2.0	2.0	12.0	20.5	21.5	24.0	20.0
9	11.0	10.0	---	1.5	---	---	3.5	13.5	19.5	21.5	24.5	18.5
10	11.0	9.5	2.0	3.0	---	---	3.0	14.0	19.0	22.0	24.5	19.5
11	13.0	9.0	2.0	3.0	1.0	1.5	3.5	14.5	18.5	22.0	25.0	19.0
12	12.0	9.0	2.0	---	1.0	1.5	4.0	15.5	19.0	21.0	25.5	19.0
13	11.5	9.0	3.0	---	---	3.0	---	15.5	18.5	22.0	25.5	20.0
14	11.0	9.0	4.0	2.0	1.0	4.5	---	15.5	19.0	21.5	25.0	18.5
15	13.5	8.5	2.0	1.0	1.0	3.5	6.0	15.5	14.5	20.5	25.0	18.0
16	14.5	5.5	---	1.0	---	---	8.5	16.0	15.5	20.5	25.0	16.5
17	13.0	6.0	2.0	1.5	---	---	9.0	16.5	15.5	20.5	25.0	16.5
18	12.0	6.5	4.0	0.5	---	3.5	5.5	18.0	15.0	20.5	24.5	16.5
19	11.0	6.0	2.0	---	1.5	4.5	8.0	18.0	16.5	21.0	24.5	17.0
20	11.0	5.5	2.0	---	1.5	4.5	---	18.0	16.5	23.5	23.5	17.0
21	10.5	5.0	1.5	0.0	2.0	5.0	---	18.0	16.5	23.5	23.5	18.0
22	10.5	5.0	---	0.0	1.5	5.0	8.0	19.0	18.5	21.0	23.0	17.0
23	9.0	5.5	---	0.0	---	---	8.0	20.0	19.0	21.0	23.0	17.0
24	10.0	---	1.5	0.5	---	---	8.0	21.5	18.5	21.0	22.0	17.0
25	10.0	---	1.5	1.5	3.0	4.5	8.0	23.5	20.0	22.0	22.0	16.5
26	10.0	6.5	---	---	3.5	5.0	10.0	23.5	20.5	21.0	23.0	16.5
27	9.5	5.0	2.0	---	4.0	5.0	9.5	23.5	19.5	20.5	24.0	15.0
28	9.5	5.0	2.0	2.0	3.0	3.5	11.0	23.0	20.5	20.5	23.0	15.0
29	9.5	---	---	1.5	3.0	3.0	10.0	21.0	20.5	20.5	23.0	14.5
30	9.5	5.5	---	1.5	---	---	10.0	21.5	20.0	24.0	23.0	14.5
31	9.5	---	2.0	2.0	---	---	11.0	22.0	20.0	24.0	21.5	14.5
AVERAGE	11.5	8.0	---	---	---	---	6.5	17.0	19.0	21.5	24.0	17.5

STREAMS TRIBUTARY TO LAKE ONTARIO

04249000 OSWEGO RIVER AT LOCK 7 AT OSWEGO, N.Y.
(National Stream-Quality Accounting Network Station)

LOCATION.--Lat 43°27'06", long 76°30'20", Oswego County, water temperature and specific conductance recorders at gaging station on right bank at lock 7 in Oswego, and 0.8 mi (1.3 km) upstream from mouth.

DRAINAGE AREA.--5,098 mi² (13,204 km²).

PERIOD OF RECORD.--Chemical analyses: July 1964 to June 1965, September 1974 to September 1975.
Water temperatures: July to September 1975.

REMARKS.--Specific conductance and water temperature recorders installed July 1, 1975. Specific conductance records unreliable July 1st Sept. 4. Water temperature records unreliable July 21 to Aug. 27 and Sept. 4-30.

CHEMICAL ANALYSES, SEPTEMBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DIS-SOLVED SILICA (SiO ₂) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)	CARBONATE (CO ₃) (MG/L)	ALKALINITY AS CaCO ₃ (MG/L)
SEP., 1974										
26...	1100	3190	1.9	100	15	150	3.8	133	0	109
OCT.										
16...	1100	4560	.7	83	15	120	3.6	135	0	111
NOV.										
06...	1100	4280	.3	100	12	130	4.8	142	0	116
APR., 1975										
17...	1000	11800	1.9	71	12	46	2.2	111	0	91
MAY										
08...	1100	11200	1.0	70	13	42	2.0	144	0	118
JUNE										
05...	1100	3400	.6	93	14	90	3.3	147	0	121
26...	1100	4800	.1	77	12	69	2.8	154	0	126
JULY										
24...	1000	4610	1.5	140	13	140	4.4	119	0	98
AUG.										
28...	1100	3500	.5	120	15	160	4.3	109	0	89
SEP.										
25...	1000	4800	1.3	80	11	73	2.7	121	0	99

DATE	DIS-SOLVED SULFATE (SO ₄) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA, MG) (MG/L)
SEP., 1974										
26...	61	330	.1	.34	1.1	1.4	.09	930	727	310
OCT.										
16...	78	240	.2	.37	.99	1.4	.13	698	607	270
NOV.										
06...	79	280	.2	.53	.97	1.5	.13	778	676	300
APR., 1975										
17...	60	110	2.0	.68	.57	1.3	.08	445	360	230
MAY										
08...	61	95	.9	.49	.75	1.2	.07	433	356	230
JUNE										
05...	74	210	1.0	.52	.71	1.2	.10	680	558	290
26...	68	160	2.0	.29	.68	.97	.08	572	467	240
JULY										
24...	73	370	.2	.22	1.0	1.2	.13	1010	801	400
AUG.										
28...	83	380	.2	.14	1.0	1.1	.08	1080	817	360
SEP.										
25...	68	170	.3	.28	.59	.87	.08	520	466	250

DATE	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
SEP., 1974										
26...	200	1800	7.5	15.0	5	--	--	410	70	--
OCT.										
16...	160	1360	7.5	11.0	7	--	--	720	120	--
NOV.										
06...	180	1800	7.3	10.0	5	--	--	3300	826	--
APR., 1975										
17...	140	700	7.7	5.0	5	--	--	829000	36	4.3
MAY										
08...	110	700	7.6	9.0	6	--	--	36	89	6.9
JUNE										
05...	170	1100	7.5	22.0	3	--	--	620	310	6.2
26...	120	960	7.4	21.0	2	--	--	6100	8140	--
JULY										
24...	310	1480	8.1	24.0	10	--	--	81200	67	5.4
AUG.										
28...	270	1700	7.8	24.5	3	8.2	95	410	430	--
SEP.										
25...	150	900	7.6	17.0	5	8.2	85	880000	71	4.4

STREAMS TRIBUTARY TO LAKE ONTARIO

04249000 OSWEGO RIVER AT LOCK 7 AT OSWEGO, N.Y.—Continued

CHEMICAL ANALYSES, WATER YEAR SEPTEMBER 1974 TO SEPTEMBER 1975

DATE	TIME	TOTAL ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL COBALT (CO) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)
APR. 17...	1000	1	0	0	0	0	0	0	0	0	0	570
MAY 08...	1100	2	1	0	0	10	10	1	0	10	10	250
JUNE 05...	1100	2	2	2	1	<10	20	0	0	20	10	240
JULY 24...	1000	1	1	0	1	<10	<10	3	3	40	10	290
SEP. 25...	1000	2	2	0	0	<10	<10	0	0	0	0	280

DATE	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
APR. 17...	30	2	1	40	30	<.5	<.5	0	0	20	10
MAY 08...	30	2	3	50	10	<.5	<.5	0	0	10	10
JUNE 05...	40	10	1	70	10	<.5	<.5	0	0	20	20
JULY 24...	50	24	2	70	20	<.5	<.5	1	0	20	10
SEP. 25...	40	3	0	70	10	<.5	<.5	0	0	10	10

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), SEPTEMBER 1975

SEPTEMBER			
DAY	MAX	MIN	MEAN
1	---	---	---
2	---	---	---
3	---	---	---
4	---	---	---
5	1380	882	1110
6	917	637	763
7	661	611	630
8	645	605	621
9	684	639	658
10	674	579	635
11	603	543	566
12	547	397	457
13	1120	402	676
14	1160	981	1080
15	1950	1090	1440
16	2020	1450	1780
17	1440	864	1110
18	1160	733	901
19	802	757	783
20	832	667	724
21	741	601	688
22	715	675	700
23	710	630	662
24	654	604	624
25	768	653	715
26	748	593	655
27	832	537	662
28	816	551	699
29	725	570	637
30	580	400	458
31	---	---	---

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QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA

PHYTOPLANKTON, SEPTEMBER 1974 TO SEPTEMBER 1975

DATE	TOTAL COUNT Cells/ml	ORGANISMS IDENTIFIED	PERCENT COMPOSITION	DATE	TOTAL COUNT Cells/ml	ORGANISMS IDENTIFIED	PERCENT COMPOSITION		
Sept. 9 1974	8,000	<u>Scenedesmus</u>	27	Oct. 16 1974	20,000	<u>Cyclotella</u>	28		
		<u>Anacystis</u>	21			<u>Scenedesmus</u>	22		
		<u>Cyclotella</u>	16			<u>Melosira</u>	17		
		<u>Coscinodiscus</u>	16			<u>Anacystis</u>	9		
		<u>Melosira</u>	7			<u>Coscinodiscus</u>	8		
		<u>Oocystis</u>	6			<u>Coelastrum</u>	7		
		<u>Coelastrum</u>	4			<u>Oocystis</u>	5		
		<u>Nitzschia</u>	1			<u>Agmenellum</u>	2		
		<u>Glenodinium</u>	1			<u>Synedra</u>	1		
		<u>Kirchneriella</u>	1			<u>Amphora</u>	<1		
				<u>Tetraedron</u>	<1				
				<u>Kirchneriella</u>	<1				
Nov. 6 1974	32,000	<u>Lyngbya</u>	57	Apr. 17 1975	12,000	<u>Cyclotella</u>	54		
		<u>Scenedesmus</u>	12			<u>Fragilaria</u>	25		
		<u>Asterionella</u>	9			<u>Asterionella</u>	7		
		<u>Cyclotella</u>	7			<u>Melosira</u>	4		
		<u>Chlorella</u>	4			<u>Tabellaria</u>	3		
		<u>Anacystis</u>	4			<u>Nitzschia</u>	2		
		<u>Melosira</u>	2			<u>Navicula</u>	2		
		<u>Chlamydomonas</u>	1			<u>Stephanodiscus</u>	2		
		<u>Oocystis</u>	1			<u>Gomphonema</u>	1		
		<u>Navicula</u>	1			<u>Ankistrodesmus</u>	1		
		<u>Synedra</u>	1						
		<u>Kirchneriella</u>	<1						
		<u>Ankistrodesmus</u>	<1						
May 8 1975	15,000	<u>Fragilaria</u>	39	June 5 1975	15,000	<u>Cyclotella</u>	47		
		<u>Melosira</u>	34			<u>Scenedesmus</u>	21		
		<u>Diatoma</u>	10			<u>Anacystis</u>	14		
		<u>Asterionella</u>	7			<u>Oocystis</u>	10		
		<u>Cyclotella</u>	3			<u>Melosira</u>	5		
		<u>Uroglana</u>	3			<u>Asterionella</u>	2		
		<u>Nitzschia</u>	2			<u>Cryptomonas</u>	2		
		<u>Chlamydomonas</u>	1						
		<u>Synedra</u>	1						
		<u>Cocconeis</u>	<1						
		<u>Stephanodiscus</u>	<1						
		<u>Glenodinium</u>	<1						
		<u>Phacus</u>	<1						
June 26 1975	19,000	<u>Anacystis</u>	25	July 24 1975	53,000	<u>Anacystis</u>	39		
		<u>Lyngbya</u>	16			<u>Cyclotella</u>	16		
		<u>Scenedesmus</u>	10			<u>Coelastrum</u>	11		
		<u>Micractinium</u>	7			<u>Scenedesmus</u>	6		
		<u>Ochromonas</u>	5			<u>Anabaena</u>	4		
		<u>Cyclotella</u>	4			<u>Melosira</u>	4		
		<u>Melosira</u>	4			<u>Agmenellum</u>	3		
		<u>Crucigenia</u>	3			<u>Dictyosphaerium</u>	3		
		<u>Quadrigula</u>	3			<u>Sphaerocystis</u>	1		
		<u>Ankistrodesmus</u>	3			<u>Pediastrum</u>	1		
		<u>Pediastrum</u>	3			<u>Oocystis</u>	1		
		<u>Sphaerocystis</u>	3			<u>Selenastrum</u>	<1		
		<u>Chlamydomonas</u>	3			<u>Schroederia</u>	<1		
		<u>Fragilaria</u>	2			<u>Ankistrodesmus</u>	<1		
		<u>Phormidium</u>	2			<u>Kirchneriella</u>	<1		
		<u>Mougeotia</u>	1			<u>Planktosphaeria</u>	<1		
		<u>Kirchneriella</u>	1			<u>Quadrigula</u>	<1		
		<u>Nitzschia</u>	1			<u>Actinastrum</u>	<1		
		<u>Tetraedron</u>	1			<u>Gloeocystis</u>	<1		
						<u>Eudorina</u>	<1		
						<u>Pandorina</u>	<1		
						<u>Staurastrum</u>	<1		
		<u>Attheya</u>	<1						
		<u>Stephanodiscus</u>	<1						
		<u>Cymbella</u>	<1						
		<u>Fragilaria</u>	<1						
		<u>Meridion</u>	<1						
		<u>Navicula</u>	<1						
		<u>Nitzschia</u>	<1						
		<u>Gomphosphaeria</u>	<1						
		<u>Oscillatoria</u>	<1						
		<u>Phormidium</u>	<1						
		<u>Euglena</u>	<1						
		<u>Trachelomonas</u>	<1						
		<u>Glenodinium</u>	<1						

< - Less than 1 Percent; may not have been actually counted.

STREAMS TRIBUTARY TO LAKE ONTARIO

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04249000 OSWEGO RIVER AT LOCK 7 AT OSWEGO, N.Y.--Continued

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA

PHYTOPLANKTON, SEPTEMBER 1974 TO SEPTEMBER 1975

DATE	TOTAL COUNT Cells/ml	ORGANISMS IDENTIFIED	PERCENT COMPOSITION	DATE	TOTAL COUNT Cells/ml	ORGANISMS IDENTIFIED	PERCENT COMPOSITION
Aug. 28 1975	15,000	<u>Oscillatoria</u>	27	Sept. 25 1975	13,000	<u>Oscillatoria</u>	29
		<u>Lyngbya</u>	18			<u>Cyctocella</u>	15
		<u>Scenedesmus</u>	15			<u>Melosira</u>	14
		<u>Glenodinium</u>	15			<u>Scenedesmus</u>	13
		<u>Cyclotella</u>	10			<u>Agmenellum</u>	11
		<u>Anacystis</u>	7			<u>Dictyosphaerium</u>	6
		<u>Nitzschia</u>	3			<u>Sphaerocystis</u>	3
		<u>Chlamydomonas</u>	2			<u>Eudorina</u>	3
		<u>Phacus</u>	2			<u>Oocystis</u>	2
		<u>Ankistrodesmus</u>	1			<u>Ankistrodesmus</u>	1
		<u>Selenastrum</u>	1			<u>Chlamydomonas</u>	1
		<u>Navicula</u>	1			<u>Closterium</u>	1
		<u>Cocconeis</u>	<1			<u>Coelastrum</u>	<1
						<u>Pediastrum</u>	<1
						<u>Kirchneriella</u>	<1
						<u>Selenastrum</u>	<1
						<u>Actinastrum</u>	<1
						<u>Crucigenia</u>	<1
						<u>Tetrastrum</u>	<1
						<u>Pteromonas</u>	<1
						<u>Staurastrum</u>	<1
						<u>Stephanodiscus</u>	<1
						<u>Cocconeis</u>	<1
						<u>Rholocospheia</u>	<1
						<u>Epithemia</u>	<1
						<u>Fragilaria</u>	<1
						<u>Synedra</u>	<1
						<u>Gomphonema</u>	<1
						<u>Navicula</u>	<1
						<u>Nitzschia</u>	<1
						<u>Anacystis</u>	<1
						<u>Anacystis Incerta</u>	<1
						<u>Gomphosphaeria</u>	<1
						<u>Anabaena</u>	<1
						<u>Aphanizomenon</u>	<1
						<u>Glenodinium</u>	<1

PERIPHYTON, JUNE 1975 TO JULY 1975

SAMPLING METHOD: Polyethylene strip.

PERIOD OF EXPOSURE	BIOMASS DRY WEIGHT (g/m ²)	BIOMASS ASH WEIGHT (g/m ²)	CHLOROPHYLL a (mg/m ²)	CHLOROPHYLL b (mg/m ²)	BIOMASS PIGMENT RATIO
June 5-July 24	69	68	0.3	0.1	2500

* - Less than 1 Percent; may not have been actually counted.

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STREAMS TRIBUTARY TO LAKE ONTARIO

04249000 OSWEGO RIVER AT LOCK 7 AT OSWEGO, N.Y.--Continued

TEMPERATURE(°C) OF WATER, JULY TO SEPTEMBER 1975

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1				---	---	---	---	---	---	21.5	20.5	20.5
2				26.0	24.5	25.5	---	---	---	22.0	19.5	20.5
3				26.5	25.0	25.5	---	---	---	21.5	19.5	20.5
4				26.0	24.5	25.5	---	---	---	---	---	---
5				26.5	24.5	26.0	---	---	---	---	---	---
6				27.0	25.0	26.0	---	---	---	---	---	---
7				26.5	25.5	26.0	---	---	---	---	---	---
8				27.0	25.5	26.0	---	---	---	---	---	---
9				26.0	24.5	25.5	---	---	---	---	---	---
10				26.5	25.0	25.5	---	---	---	---	---	---
11				25.5	25.0	25.0	---	---	---	---	---	---
12				25.0	23.5	24.5	---	---	---	---	---	---
13				35.5	24.0	24.0	---	---	---	---	---	---
14				25.0	23.5	24.5	---	---	---	---	---	---
15				26.0	24.0	24.5	---	---	---	---	---	---
16				26.0	24.0	25.0	---	---	---	---	---	---
17				26.5	24.5	25.0	---	---	---	---	---	---
18				25.5	24.5	25.0	---	---	---	---	---	---
19				26.0	24.0	25.0	---	---	---	---	---	---
20				26.0	24.5	25.0	---	---	---	---	---	---
21				---	---	---	---	---	---	---	---	---
22				---	---	---	---	---	---	---	---	---
23				---	---	---	---	---	---	---	---	---
24				---	---	---	---	---	---	---	---	---
25				---	---	---	---	---	---	---	---	---
26				---	---	---	---	---	---	---	---	---
27				---	---	---	---	---	---	---	---	---
28				---	---	---	25.0	18.0	23.5	---	---	---
29				---	---	---	23.5	22.5	23.0	---	---	---
30				---	---	---	23.0	22.0	22.5	---	---	---
31				---	---	---	23.0	20.5	22.0	---	---	---

SUSPENDED SEDIMENT DISCHARGE

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PENDE D SEDI- MENT (MG/L)	SUS- PENDE D SEDI- MENT DIS- CHARGE (T/DAY)	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM
SEP., 1974					
26...	1100	3190	10	86	97
OCT.					
16...	1100	4560	15	185	93
MAY, 1975					
08...	1100	11200	26	786	74
JUNE					
05...	1100	3400	14	129	87
26...	1100	4800	15	194	74
JULY					
24...	1000	4610	19	236	78
AUG.					
28...	1100	3500	13	123	79
SEP.					
25...	1000	4800	12	156	90

STREAMS TRIBUTARY TO LAKE ONTARIO

571

04250504 SALMON RIVER BELOW PULASKI, N.Y.

LOCATION.--Lat 43°34'11", long 76°11'15", Oswego County, at bridge on State Highway 3, at Port Ontario, 0.4 mi (0.6 km) upstream from mouth, and 2.1 mi (3.4 km) west of Pulaski.

DRAINAGE AREA.--267 mi² (692 km²) at mouth.

PERIOD OF RECORD.--Chemical analyses: July 1971 to May 1975 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)
OCT. 08...	1200	.13	.00	.13	.23	.36	.02	80	8.4	10.0	1	8.8
DEC. 09...	1030	.30	.00	.30	.29	.59	.02	56	7.9	3.0	4	10.4
MAR. 04...	1230	.59	.00	.59	.16	.75	.01	78	7.2	.5	3	12.6
MAY 06...	0830	.76	.01	.77	.25	1.0	.01	43	6.7	8.0	1	9.0

DATE	PERCENT SATURATION	CHLORO-PHYLL A (UG/L)	CHLORO-PHYLL B (UG/L)	FECAL COLIFORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
OCT. 08...	78	14	18	820	6.3	0	4	0	20	86	<.5	70
DEC. 09...	78	3.0	1.0	210	13	0	0	0	0	3	<.5	10
MAR. 04...	88	43	140	82	2.4	0	0	0	0	1	<.5	0
MAY 06...	77	.0	.0	89	2.9	0	0	0	0	2	<.5	10

PESTICIDE ANALYSES

DATE	ALDRIN IN BOTTOM MATERIAL (UG/KG)	CHLORDANE IN BOTTOM MATERIAL (UG/KG)	DDD IN BOTTOM MATERIAL (UG/KG)	DDE IN BOTTOM MATERIAL (UG/KG)	DDT IN BOTTOM MATERIAL (UG/KG)	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	ETHION IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR IN BOTTOM MATERIAL (UG/KG)
OCT. 08...	.0	0	.9	1.0	.5	.0	.1	.0	.0	.0
MAY 06...	.0	0	.0	.0	.0	.0	.0	.0	.0	.0

DATE	HEPTACHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	LINDANE IN BOTTOM MATERIAL (UG/KG)	MALATHION IN BOTTOM MATERIAL (UG/KG)	METHYL PARATHION IN BOTTOM MATERIAL (UG/KG)	METHYL TRIETHION IN BOTTOM MATERIAL (UG/KG)	PARATHION IN BOTTOM MATERIAL (UG/KG)	PCB IN BOTTOM MATERIAL (UG/KG)	TOXAPHENE IN BOTTOM MATERIAL (UG/KG)	TRITHION IN BOTTOM MATERIAL (UG/KG)
OCT. 08...	.0	.0	.0	.0	.0	.0	13	0	.0
MAY 06...	.0	.0	.0	.0	.0	.0	0	0	.0

* Results based on colony count outside the acceptable range (non-ideal colony count).

04250997 BLACK RIVER (FORESTPORT RESERVOIR) AT FORESTPORT, N.Y.

LOCATION.--Lat 43°26'20", long 75°12'17", Oneida County, at bridge on State Highway 28 and 365, in Forestport, 0.1 mi (0.2 km) upstream from outlet of Alder Pond and 0.4 mi (0.6 km) downstream from Woodhull Creek.

DRAINAGE AREA.--247 mi² (640 km²).

PERIOD OF RECORD.--Chemical analyses: August 1971 to May 1975 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)
OCT. 10...	1000	.16	.00	.16	.21	.37	.01	42	6.8	8.5	1	11.3
DEC. 12...	1100	.57	.00	.57	.25	.82	.01	33	6.6	1.0	2	15.4
MAR. 11...	1315	.64	.01	.65	.54	1.2	.02	48	7.0	.5	1	14.9
MAY 22...	1130	.40	.01	.41	.26	.67	.01	38	6.8	18.5	2	8.5

DATE	PERCENT SATURATION	CHLORO-PHYLL A (UG/L)	CHLORO-PHYLL B (UG/L)	FECAL COLIFORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MERCURY (MG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
OCT. 10...	99	5.5	6.5	20	9.9	<1	0	0	0	3	<.5	0
DEC. 12...	112	.0	.0	81	4.7	0	0	<10	0	5	<.5	30
MAR. 11...	106	.0	.0	88	4.4	0	0	10	0	0	<.5	10
MAY 22...	96	.0	.0	814	4.9	1	0	<10	10	3	<.5	10

PESTICIDE ANALYSES

DATE	ALDRIN IN BOTTOM MATERIAL (UG/KG)	CHLORDANE IN BOTTOM MATERIAL (UG/KG)	DDD IN BOTTOM MATERIAL (UG/KG)	DOE IN BOTTOM MATERIAL (UG/KG)	DDT IN BOTTOM MATERIAL (UG/KG)	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	ETHION IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR IN BOTTOM MATERIAL (UG/KG)
MAY 22...	.0	0	.3	.2	.0	.0	.0	.0	.0	.0

DATE	HEPTACHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	LINDANE IN BOTTOM MATERIAL (UG/KG)	MALATHION IN BOTTOM MATERIAL (UG/KG)	METHYL PARA-THION IN BOTTOM MATERIAL (UG/KG)	METHYL TRI-THION IN BOTTOM MATERIAL (UG/KG)	PARA-THION IN BOTTOM MATERIAL (UG/KG)	PCB IN BOTTOM MATERIAL (UG/KG)	TOXAPHENE IN BOTTOM MATERIAL (UG/KG)	TRI-THION IN BOTTOM MATERIAL (UG/KG)
MAY 22...	.0	.0	.0	.0	.0	.0	0	0	.0

B Results based on colony count outside the acceptable range (non-ideal colony count).

STREAMS TRIBUTARY TO LAKE ONTARIO

573

04254965 BLACK RIVER AT GRIEG, N.Y.

LOCATION.--Lat 43°40'36", long 75°21'39", Lewis County, at bridge on Burdicks Crossing Road, 0.2 mi (0.3 km) upstream from unnamed tributary, and 1.1 mi (1.8 km) downstream from Fish Creek at Grieg.

DRAINAGE AREA.--921 mi² (2,385 km²).

PERIOD OF RECORD.--Chemical analyses: April 1973 to May 1975 (discontinued).

REMARKS.--New York State Water Quality Surveillance Network station number 08 0017.

COOPERATION.--Samples furnished by New York State Department of Environmental Conservation.

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
OCT. 07...	1135	250	20	9.5	1.2	2.2	.8	28	23	13
NOV. 06...	1000	270	20	11	4.0	2.5	.7	31	25	6.6
APR. 21...	1000	440	60	6.7	.6	.9	.6	15	12	5.6
MAY 12...	1000	230	70	7.0	1.1	.9	.5	13	11	5.5

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
OCT. 07...	2.5	.13	.00	.13	.26	.02	.28	.41	.01	.00
NOV. 06...	1.7	.20	.01	.21	.13	.18	.31	.52	.01	.00
APR. 21...	1.6	.81	.00	.81	.11	.16	.27	1.1	.02	.00
MAY 12...	.2	.57	.01	.58	.00	.17	.17	.75	.01	.00

DATE	TOTAL NON-FILTERABLE RESIDUE (MG/L)	FIXED NON-FILTERABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)	RESIDUE ON IGNITION (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 07...	5	1	72	27	74	20	2	14	--
NOV. 06...	8	2	65	43	87	20	2	14	--
APR. 21...	11	8	48	34	48	24	4	21	6.4
MAY 12...	4	1	38	24	43	17	1	12	6.3

STREAMS TRIBUTARY TO LAKE ONTARIO

04256000 INDEPENDENCE RIVER AT DONNATTSBURG, N.Y.

LOCATION.--Lat 43°44'50", long 75°20'05", Lewis County, temperature recorder at gaging station on right bank at downstream side of highway bridge on Donnattsburg Road in Donnattsburg, 1.2 mi (1.9 km) downstream from Chase Lake Outlet, 4.2 mi (6.8 km) northeast of Glenfield, and 5.0 mi (8.0 km) upstream from mouth.

DRAINAGE AREA.--91.7 mi² (238 km²).

PERIOD OF RECORD.--Water temperatures: October 1959 to September 1961, October 1963 to September 1974.

EXTREMES.--1974-75:

Water temperatures: Maximum, 26.5°C Aug. 1-2; minimum, freezing point on many days during winter period.

Period of record:

Water temperatures: Maximum (1959-61, 1964-69, 71-75), 26.5°C July 24, 1961 and Aug. 1-2, 1975; minimum, freezing point on many days during winter periods.

REMARKS.--No record July 4-16.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
(CONTINUOUS ETHYL ALCOHOL-ACTUATED THERMOGRAPH)

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	11.0	9.0	11.5	10.0	0.5	0.0	0.0	0.0	0.5	0.0	0.0	0.0
2	9.5	7.0	11.0	8.0	0.0	0.0	0.0	0.0	0.5	0.5	0.0	0.0
3	7.0	6.5	8.5	6.5	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
4	7.0	5.5	9.0	8.5	0.5	0.0	0.5	0.0	0.5	0.5	0.5	0.5
5	10.0	6.5	8.5	8.0	0.5	0.0	0.5	0.0	0.5	0.5	0.5	0.5
6	12.0	9.5	8.0	7.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
7	12.0	10.0	7.0	6.0	0.0	0.0	0.5	0.0	0.5	0.5	0.5	0.5
8	10.0	7.0	6.0	5.5	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
9	8.0	6.5	6.0	5.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
10	8.0	7.0	5.0	5.0	0.5	0.0	0.0	0.0	0.5	0.5	0.5	0.5
11	9.0	6.0	5.0	4.5	0.5	0.5	0.0	0.0	0.5	0.5	0.5	0.5
12	9.5	8.5	5.5	4.5	0.5	0.5	0.0	0.0	0.5	0.5	0.5	0.5
13	10.0	8.0	5.5	4.0	0.5	0.5	0.0	0.0	0.5	0.5	0.0	0.0
14	11.0	8.5	4.0	3.5	0.5	0.5	0.0	0.0	0.5	0.5	0.5	0.5
15	11.0	9.5	3.5	2.0	0.5	0.5	0.5	0.0	0.5	0.5	0.5	0.5
16	9.5	8.5	2.0	1.5	0.5	0.5	0.0	0.0	0.5	0.5	0.5	0.5
17	8.5	8.0	1.5	1.5	0.5	0.5	0.5	0.0	0.5	0.0	0.5	0.5
18	8.0	5.5	2.0	1.5	0.5	0.5	0.5	0.0	0.0	0.0	0.5	0.5
19	5.5	4.0	3.5	2.0	0.5	0.5	0.0	0.0	0.0	0.0	0.5	0.5
20	4.5	3.0	4.5	3.0	0.5	0.5	0.5	0.0	0.0	0.0	0.5	0.5
21	4.0	3.0	4.0	1.0	0.5	0.5	0.5	0.0	0.0	0.0	0.5	0.5
22	5.5	3.5	1.0	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
23	8.0	5.5	0.5	0.0	0.5	0.5	0.5	0.0	0.0	0.0	0.5	0.5
24	6.5	5.0	1.0	0.0	0.5	0.5	0.5	0.5	0.0	0.0	0.5	0.5
25	7.0	6.0	1.0	0.5	0.5	0.5	0.5	0.0	0.0	0.0	1.0	0.5
26	7.0	5.5	0.5	0.0	0.5	0.5	0.0	0.0	0.0	0.0	0.5	0.5
27	6.5	5.0	0.5	0.0	0.5	0.5	0.5	0.0	0.0	0.0	0.5	0.5
28	5.5	3.5	0.5	0.0	0.5	0.0	0.5	0.0	0.0	0.0	1.0	0.5
29	7.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0	---	---	0.5	0.5
30	8.5	7.0	0.0	0.0	0.5	0.0	0.0	0.0	---	---	0.5	0.5
31	10.0	8.5	---	---	0.5	0.0	0.5	0.0	---	---	1.0	0.0
MONTH	12.0	3.0	11.5	0.0	0.5	0.0	0.5	0.0	0.5	0.0	1.0	0.0

STREAMS TRIBUTARY TO LAKE ONTARIO

575

04256000 INDEPENDENCE RIVER AT DONNATTSBURG, N.Y.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
(CONTINUOUS ETHYL ALCOHOL-ACTUATED THERMOGRAPH)

DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1												
2	1.0	0.5	8.0	6.0	19.5	18.0	24.5	20.0	26.5	22.0	16.5	14.5
3	1.5	0.5	6.0	6.0	19.5	16.0	24.5	20.0	26.5	23.0	15.0	14.5
4	1.0	0.5	8.0	5.5	18.5	16.0	24.5	22.0	26.0	23.0	15.0	13.5
5	1.0	0.5	8.0	7.0	19.0	15.0	---	---	25.5	23.0	14.5	12.0
6	0.5	0.5	8.5	6.5	18.0	14.5	---	---	24.5	20.5	16.0	13.5
7	0.5	0.5	8.5	8.0	16.0	14.5	---	---	23.5	19.0	16.5	15.0
8	0.5	0.5	10.0	7.0	15.5	14.0	---	---	19.0	17.0	16.5	14.0
9	1.0	0.5	11.0	8.5	15.0	13.0	---	---	21.5	16.5	16.0	14.5
10	2.0	1.0	11.5	9.0	16.5	14.0	---	---	22.0	17.0	15.5	13.5
11	2.0	1.0	13.0	10.0	18.5	14.5	---	---	24.0	19.5	14.0	10.5
12	3.5	1.0	13.5	10.0	19.5	15.5	---	---	23.0	20.0	16.5	12.0
13	3.5	1.0	13.5	11.5	19.0	17.0	---	---	24.0	20.0	16.5	15.0
14	4.0	1.0	13.5	12.0	19.0	16.5	---	---	23.0	20.0	15.0	13.5
15	5.5	1.5	15.0	11.0	20.5	17.0	---	---	23.0	19.5	13.5	11.5
16	4.5	2.0	15.0	13.0	21.5	19.0	---	---	22.0	19.0	12.0	10.5
17	5.0	3.0	16.0	14.5	21.0	20.0	---	---	22.0	20.0	13.0	11.5
18	5.5	2.0	16.0	13.5	23.0	18.5	24.0	20.0	22.0	20.0	13.5	13.0
19	4.0	2.0	16.0	15.0	24.0	21.0	24.0	20.0	21.5	19.5	13.5	11.5
20	3.0	1.5	18.5	15.0	23.0	20.5	23.5	21.0	20.5	16.5	13.5	13.0
21	1.5	1.5	20.0	16.5	23.0	19.0	24.0	20.5	19.5	16.0	14.5	13.5
22	3.5	1.5	20.5	18.0	23.0	18.5	23.5	20.5	19.0	16.0	14.5	13.5
23	4.0	1.5	21.0	18.5	24.0	19.0	23.0	20.5	19.0	17.0	14.0	13.5
24	5.0	1.5	22.0	18.5	26.0	21.0	23.0	20.0	19.0	15.0	14.0	13.0
25	5.0	3.5	23.0	19.0	26.0	23.5	23.0	21.0	19.0	16.5	14.0	13.5
26	3.5	2.0	22.0	18.5	24.5	21.0	21.5	20.5	21.5	18.0	13.0	12.0
27	3.5	3.0	20.5	18.0	24.5	19.5	20.5	18.0	21.5	19.0	12.0	12.0
28	3.5	3.5	19.5	18.5	24.5	20.5	21.0	17.0	21.0	19.0	13.0	12.0
29	5.5	3.0	19.0	15.5	24.0	21.0	22.0	19.0	20.0	17.0	13.0	13.0
30	6.5	4.5	19.5	15.5	24.5	20.0	21.5	19.0	19.0	17.0	13.0	11.0
31	8.0	5.5	18.5	16.5	24.0	20.5	23.0	19.5	17.0	16.5	13.0	11.5
MONTH	---	---	20.0	16.0	---	---	25.0	21.0	17.0	15.0	---	---
	8.0	0.5	23.0	5.5	26.0	13.0	---	---	26.5	15.0	16.5	10.5

STREAMS TRIBUTARY TO LAKE ONTARIO

04257150 BEAVER RIVER AT MOSHIER FALLS, N.Y.

LOCATION.--Lat 43°52'20", long 75°08'10", Herkimer County, at the Niagara-Mohawk Moshier Falls Power Station, at mouth of Sunday Creek and 2.2 mi (3.5 km) east of Number Four.

DRAINAGE AREA.--184 mi² (477 km²).

PERIOD OF RECORD.--Water temperatures: October 1955 to September 1975 (discontinued).

EXTREMES.--1974-75:

Water temperatures: Maximum, 22.0°C on many days during July and August; minimum, 1.0°C on many days during February to April.

Period of record:

Water temperatures: Maximum, 23.5°C Sept. 10, 1959; minimum, freezing point on Jan. 1, 2, 1969.

COOPERATION.--Water temperature record furnished by the Niagara Mohawk Power Corporation.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

(ONCE-DAILY MEASUREMENT)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1	14.0	8.5	2.0	1.5	1.5	1.0	1.0	2.0	13.0	20.0	22.0
2	13.5	8.0	3.0	1.5	1.5	1.0	1.0	4.0	13.0	20.0	22.0
3	11.5	8.5	3.5	1.5	1.5	1.0	1.0	3.0	13.0	20.0	22.0
4	10.5	6.5	3.0	1.5	1.5	1.0	1.0	3.5	13.0	20.5	22.0
5	10.5	8.0	2.0	1.5	1.5	1.0	1.0	3.5	13.5	20.5	22.0
6	11.0	7.0	2.0	1.5	1.5	1.5	1.0	4.0	13.5	21.0	22.0
7	11.0	7.0	3.0	1.5	1.5	1.5	1.0	4.0	13.5	21.0	22.0
8	10.5	7.0	3.5	1.5	1.5	1.0	1.0	5.0	11.0	21.0	22.0
9	10.5	7.0	3.5	2.0	1.5	1.0	1.0	5.5	11.5	21.0	21.5
10	10.5	7.0	2.0	3.0	1.5	1.5	1.0	8.0	13.5	22.0	22.0
11	10.0	7.0	2.0	2.0	1.5	1.5	1.0	8.0	14.5	21.5	22.0
12	10.5	6.5	2.0	2.0	1.5	1.5	1.0	8.5	14.5	21.5	22.0
13	10.0	6.0	1.5	1.5	1.5	1.5	1.0	9.5	14.5	21.5	22.0
14	10.0	6.0	1.5	1.5	1.5	1.5	1.0	9.5	13.0	21.5	21.5
15	10.0	6.0	1.5	1.5	1.5	1.5	1.0	10.5	15.5	21.5	22.0
16	10.0	5.5	1.5	1.5	1.5	1.5	1.5	10.5	15.5	22.0	22.0
17	9.5	5.5	1.5	1.5	1.5	1.5	1.0	11.0	15.5	22.0	22.0
18	9.0	5.0	1.5	1.5	2.0	1.5	1.0	11.0	15.0	22.0	22.0
19	9.0	5.0	1.5	1.5	1.5	1.5	1.0	11.0	15.5	22.0	22.0
20	8.5	5.0	1.5	1.5	1.5	1.5	1.5	11.0	16.5	22.0	21.5
21	7.0	5.0	1.5	1.5	1.5	1.5	1.5	11.0	16.0	22.0	21.0
22	7.0	4.5	1.5	1.5	1.5	1.5	1.5	11.5	16.5	22.0	20.5
23	7.0	4.0	1.5	1.5	1.5	1.5	1.5	11.5	17.0	22.0	20.0
24	7.0	4.0	1.5	1.5	1.0	1.5	1.5	13.5	18.0	22.0	20.0
25	7.0	4.0	1.5	1.5	1.5	1.0	2.0	13.5	18.0	22.0	20.5
26	6.5	3.5	1.5	1.5	1.5	1.0	2.0	13.0	18.5	22.0	20.5
27	6.5	3.0	1.5	1.5	1.5	1.0	1.5	11.5	18.5	21.5	20.5
28	6.5	3.5	1.5	1.5	1.5	1.0	1.5	13.0	19.5	21.5	20.5
29	7.0	3.0	1.5	1.5	---	1.0	1.5	13.0	19.0	21.0	20.5
30	7.0	3.0	1.5	1.5	---	1.0	2.0	13.0	19.5	21.5	19.5
31	7.0	---	1.5	1.5	---	1.0	---	13.0	---	21.5	19.5
AVERAGE	9.5	5.5	2.0	2.0	1.5	1.5	1.5	9.0	15.0	21.5	21.5

STREAMS TRIBUTARY TO LAKE ONTARIO

577

04258710 BLACK RIVER ABOVE CARTHAGE, N.Y.

LOCATION.--Lat 43°56'58", long 75°33'49", Lewis County, 100 feet off State Highway 26A, 1.1 mi (1.8 km) downstream from Deer River, and 1.8 mi (2.9 km) southeast of Carthage.

DRAINAGE AREA.--1,780 mi² (4,610 km²) at mouth of Deer River.

PERIOD OF RECORD.--Chemical analyses: August 1971 to May 1975 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)
OCT, 09...	0800	.14	.00	.14	.26	.40	.02	74	7.4	8.0	1	8.6
DEC, 09...	1500	.57	.00	.57	.78	1.4	.18	76	8.2	2.0	40	10.4
MAR, 05...	1030	.54	.01	.55	.47	1.0	.05	68	6.7	1.0	7	9.6
MAY, 05...	1300	.73	.01	.74	.78	1.5	.01	42	6.1	10.0	3	8.2

DATE	PERCENT SATURATION	CHLORO-PHYLL A (UG/L)	CHLORO-PHYLL B (UG/L)	FECAL COLIFORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MERCURY (MG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
OCT, 09...	74	8.0	10	34	8.9	<1	0	0	0	0	<.5	60
DEC, 09...	76	--	--	560	8.0	1	0	0	0	9	<.5	30
MAR, 05...	68	.0	.0	130	5.5	0	1	0	0	8	<.5	20
MAY, 05...	73	1.0	.0	810	4.1	1	0	<10	10	2	<.5	20

PESTICIDE ANALYSES

DATE	ALDRIN IN BOTTOM MATERIAL (UG/KG)	CHLORDANE IN BOTTOM MATERIAL (UG/KG)	DDD IN BOTTOM MATERIAL (UG/KG)	DDE IN BOTTOM MATERIAL (UG/KG)	DDT IN BOTTOM MATERIAL (UG/KG)	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	ETHION IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR IN BOTTOM MATERIAL (UG/KG)
MAY 05...	.0	0	.0	.0	.0	.0	.2	.0	.0	.0

DATE	HEPTACHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	LINDANE IN BOTTOM MATERIAL (UG/KG)	MALATHION IN BOTTOM MATERIAL (UG/KG)	METHYL PARATHION IN BOTTOM MATERIAL (UG/KG)	METHYL TRI-THION IN BOTTOM MATERIAL (UG/KG)	PARATHION IN BOTTOM MATERIAL (UG/KG)	PCB IN BOTTOM MATERIAL (UG/KG)	TOXAPHENE IN BOTTOM MATERIAL (UG/KG)	TRI-THION IN BOTTOM MATERIAL (UG/KG)
MAY 05...	.0	.0	.0	.0	.0	.0	2	0	.0

STREAMS TRIBUTARY TO LAKE ONTARIO

04258750 BLACK RIVER BELOW CARTHAGE, N.Y.

LOCATION.--Lat 43°59'53", long 75°38'17", Jefferson County, at railroad bridge of Penn-Central Transportation Company, 800 ft (244 m) west of State Highway 3, 0.8 mi (1.3 km) northwest of Carthage, and 2.1 mi (3.4 km) downstream from bridge on State Highway 26.

DRAINAGE AREA.--1,809 mi² (4,685 km²).

PERIOD OF RECORD.--Chemical analyses: August 1971 to May 1975 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL-DAHL-NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)
OCT. 09...	0945	.13	.00	.13	.32	.45	.02	67	7.6	9.0	3	10.2
DEC. 09...	1330	.58	.00	.58	.70	1.3	.16	92	7.7	2.0	60	11.4
MAR. 05...	1200	.52	.01	.53	.28	.81	.02	75	6.5	1.0	2	--
MAY 05...	1500	.69	.01	.70	.39	1.1	.02	40	6.7	11.0	3	8.4

DATE	PERCENT SATURATION	CHLORO-PHYLL A (UG/L)	CHLORO-PHYLL B (UG/L)	FECAL COLIFORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
OCT. 09...	89	6.0	19	340	7.7	0	0	0	20	120	<.5	90
DEC. 09...	83	--	--	440	8.5	1	0	0	0	4	<.5	100
MAR. 05...	--	.0	.0	540	4.3	0	0	0	0	2	<.5	10
MAY 05...	77	1.0	4.0	860	6.0	1	0	<10	0	3	<.5	30

PESTICIDE ANALYSES

DATE	ALDRIN IN BOTTOM MATERIAL (UG/KG)	CHLOR-DANE IN BOTTOM MATERIAL (UG/KG)	DDD IN BOTTOM MATERIAL (UG/KG)	DDE IN BOTTOM MATERIAL (UG/KG)	DDT IN BOTTOM MATERIAL (UG/KG)	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	ETHION IN BOTTOM MATERIAL (UG/KG)	HEPTA-CHLOR IN BOTTOM MATERIAL (UG/KG)
OCT. 09...	.0	0	.0	.0	.0	.0	.0	.0	.0	.0
MAY 05...	--	--	--	--	--	.0	.6	.0	.0	.0

DATE	HEPTA-CHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	LINDANE IN BOTTOM MATERIAL (UG/KG)	MALATHION IN BOTTOM MATERIAL (UG/KG)	METHYL PARA-THION IN BOTTOM MATERIAL (UG/KG)	METHYL TRI-THION IN BOTTOM MATERIAL (UG/KG)	PARA-THION IN BOTTOM MATERIAL (UG/KG)	PCB IN BOTTOM MATERIAL (UG/KG)	TOX-APHENE IN BOTTOM MATERIAL (UG/KG)	TRI-THION IN BOTTOM MATERIAL (UG/KG)
OCT. 09...	.0	.0	.0	.0	.0	.0	32	0	.0
MAY 05...	.0	.0	.0	.0	.0	.0	1000	0	.0

B Results based on colony count outside the acceptable range (non-ideal colony count).

STREAMS TRIBUTARY TO LAKE ONTARIO

04259980 BLACK RIVER AT HUNTINGTONVILLE, N.Y.

LOCATION.--Lat 43°59'01", long 75°51'43", Jefferson County, at Watertown water department dosing station at middle of right channel at Huntington Island, 0.5 mi (0.8 km) north of Huntingtonville, and 3.8 mi (6.1 km) upstream of gaging station (04260500) at Watertown.

DRAINAGE AREA.--1,876 mi² (4,859 km²) at gaging station.

PERIOD OF RECORD.--Water temperatures: April 1969 to September 1975 (discontinued).

EXTREMES.--1974-75:

Water temperatures: Maximum, 26.0°C July 6, 7, Aug. 2, 4 minimum, 0.5° (on many days November through April)

Period of record:

Water temperatures: Maximum, 26.0°C Sept. 3-5, 1973, July 6, 7, Aug. 2, 4, 1975; minimum, freezing point on many days during winter periods 1972-74.

REMARKS.--No record on most Sundays.

COOPERATION.--Water temperature record furnished by the City of Watertown.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

(ONCE-DAILY MEASUREMENT AT 0900)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	12.0											
3	11.0	10.0		0.5	0.5	0.5	1.0	10.5		24.5	25.0	19.0
4	10.0	10.0	1.0	0.5			1.5	9.5	19.5	24.5	26.0	18.5
5	9.5	8.0	1.0	0.5	0.5	0.5	1.5	10.0	19.5	25.0	25.0	16.5
6	10.0	8.0	1.0	0.5	0.5	0.5	1.0		19.5	25.0	26.0	16.5
7		8.5	1.0	0.5	0.5	0.5	0.5	10.5	19.5	25.5	24.5	17.0
8	11.0	8.5	0.5	0.5	0.5	0.5		10.5	18.0	26.0	24.0	16.5
9	11.5	9.0	1.0	0.5	0.5	0.5	0.5	10.0	16.5	26.0	22.0	
10	9.5	8.0		0.5	0.5	0.5	0.5	10.5		25.5	22.0	17.0
11	9.5	8.0	0.5	0.5			1.0	11.5	16.5	25.5	23.0	15.5
12	9.0	6.5	0.5	0.5	1.0	1.0	2.0	13.5	16.5	24.5		16.5
13	10.0	6.5	0.5	0.5	0.5	0.5	2.0	14.5	17.0	24.5	23.5	16.5
14	9.0	6.0	0.5	1.0	0.5	0.5	3.0	14.5	19.5	24.0	23.5	18.0
15	10.0	6.5	0.5	1.0	0.5	1.0		15.5	18.5		23.5	17.0
16	11.0	5.5	0.5	1.0	0.5	1.0	3.5	15.0	19.0	24.5	23.5	
17		5.0		0.5	0.5	0.5	4.0	15.5	21.0	23.5	23.0	14.5
18	10.0	5.0	1.0	0.5			5.0	15.5	21.0	24.5	23.0	13.5
19	9.0	5.5	1.0	0.5			5.0	16.0	20.0	24.5		14.5
20	8.0	4.5	0.5	0.5	0.5	1.0	5.5		21.0	24.5	23.5	14.5
21	7.0	4.5	0.5		0.5	1.0	6.5	18.0	21.5	25.0	23.0	14.0
22	5.5	5.0	1.0	0.5	0.5	1.0		19.0	20.5		23.0	14.5
23	5.0	4.0	0.5	0.5	0.5	1.0	5.5	19.5	21.5	24.0	21.5	
24	5.0	3.0		0.5	0.5	1.5	5.5	20.5		24.5	22.0	14.5
25	6.0	2.0	1.0	0.5	0.5		6.0	21.0	23.0	24.0	21.0	14.5
26	6.5		1.0	0.5	1.0	1.5	7.0	22.0	24.5	24.5		15.0
27	6.0	3.0		0.5	0.5	1.0	8.0		24.0	24.0	21.0	14.0
28	6.0	2.0	0.5	1.0	0.5	1.0	7.0	22.0	24.0	23.5	21.5	14.0
29	6.5	1.0	0.5	1.0	0.5	1.0		21.0	24.0	22.0	22.0	14.0
30	5.5	3.0	1.0	0.5	0.5	1.0	6.5	20.5	24.0	22.0	21.5	14.0
31	6.5	0.5	1.0	0.5		1.0	6.5	21.0	24.5	22.0	21.0	13.5
	8.0	0.5	1.0	0.5			9.0	21.0	24.5	23.0	20.5	13.5
	8.5		1.0	0.5				21.0		24.0	19.5	
AVERAGE	8.5	5.5	1.0	0.5	0.5	1.0	4.0	16.0	20.5	24.5	23.0	15.5

STREAMS TRIBUTARY TO LAKE ONTARIO

04260500 BLACK RIVER AT WATERTOWN, N.Y.
(National Stream-Quality Accounting Network Station)

LOCATION.--Lat 43°59'08", long 75°55'30", Jefferson County, at gaging station at Vanduzee Street Bridge in Watertown, and 3.5 mi (5.6 km) upstream from Philomel Creek.

DRAINAGE AREA.--1,876 mi² (4,859 km²).PERIOD OF RECORD.--Chemical analyses: October 1955 to September 1956, August 1965 to September 1975.
Water temperatures: October 1955 to September 1959, July 1962 to March 1969.

REMARKS.--New York State Water Quality Surveillance Network station number 08 0008.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO ₂) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG)	DIS-SOLVED MAGNESIUM (MG)	TOTAL SODIUM (NA) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	TOTAL PHOSPHATE (K) (MG/L)
OCT. 08...	1530	1650	--	290	30	11	--	1.3	--	2.5	--	.8
NOV. 19...	1330	5910	5.7	320	60	--	11	--	1.1	--	2.0	1.3
19...	1530	5860	--	360	70	10	--	1.1	--	1.8	--	--
DEC. 16...	1345	6340	5.4	--	--	--	13	--	1.4	--	2.0	.8
16...	1500	6260	--	460	60	12	--	1.2	--	3.0	--	--
JAN. 20...	1045	2260	6.2	--	--	--	18	--	1.2	--	4.5	.7
20...	1230	2560	--	410	50	13	--	1.4	--	4.3	--	.7
FEB. 18...	1145	3040	--	380	50	14	--	.5	--	2.7	--	--
MAR. 24...	1030	11900	5.0	480	50	--	13	--	1.0	--	1.6	.8
24...	1130	11900	--	1100	70	12	--	1.5	--	1.8	--	.8
APR. 22...	1100	19000	--	1300	70	10	--	.6	--	1.0	--	.7
MAY 27...	1115	1380	--	470	60	11	--	1.3	--	2.4	--	--
JUNE 24...	0830	1630	5.3	360	40	--	13	--	1.4	--	2.6	--
JULY 22...	0900	2930	5.6	470	70	--	14	--	1.6	--	3.6	--
AUG. 19...	1200	1440	5.5	--	--	--	11	--	1.1	--	3.3	--
SEP. 23...	1200	3600	5.7	--	--	--	12	--	.8	--	2.0	--

DATE	DIS-SOLVED PHOSPHATE (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)	CARBONATE (CO ₃) (MG/L)	ALKALINITY AS CaCO ₃ (MG/L)	DIS-SOLVED SULFATE (SO ₄) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)
OCT. 08...	--	27	0	22	10	1.9	--	.16	.00	.16	.29	.00
NOV. 19...	1.1	25	0	21	12	2.0	.3	--	--	.33	--	.20
19...	--	27	0	22	11	2.2	--	.34	.00	.34	.13	--
DEC. 16...	.6	30	0	25	8.4	2.1	.1	--	--	.54	--	.22
16...	--	29	0	24	8.9	4.2	--	.55	.00	.55	.07	--
JAN. 20...	.7	61	0	50	12	4.0	.2	--	--	1.4	--	.31
20...	--	57	0	47	11	4.2	--	1.6	.01	1.6	.04	.49
FEB. 18...	--	32	0	26	6.4	2.2	--	.55	.05	.60	.09	--
MAR. 24...	.9	33	0	27	7.4	2.0	.2	--	--	.69	--	.07
24...	--	33	0	27	7.6	2.2	--	.65	.01	.66	.06	.28
APR. 22...	--	23	0	19	4.5	.6	--	.62	.01	.63	.04	.27
MAY 27...	--	31	0	25	9.0	2.0	--	.35	.01	.36	.01	--
JUNE 24...	.6	37	0	30	7.3	1.2	.2	--	--	.33	--	--
JULY 22...	.8	42	0	34	13	2.2	.2	--	--	.19	--	--
AUG. 19...	.7	28	0	23	9.0	1.7	.3	--	--	.20	--	--
SEP. 23...	.5	28	0	23	11	1.7	.2	--	--	.14	--	--

STREAMS TRIBUTARY TO LAKE ONTARIO

04260500 BLACK RIVER AT WATERTOWN, N.Y.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF TUENTS) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	FIXED NON-FILT-RABLE RESIDUE (MG/L)	RESIDUE ON IGNITION (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)
OCT. 08...											
NOV. 19...	.28	.44	.01	.02	--	--	3	0	35	--	--
DEC. 16...	.31	.64	.02	--	56	48	--	--	--	32	11
DEC. 16...	.33	.67	.03	.03	--	--	5	2	45	--	--
JAN. 16...	.27	.81	.02	--	62	48	--	--	--	38	14
JAN. 20...	.29	.84	.02	.01	--	--	8	3	46	--	--
FEB. 20...	.32	1.7	.02	--	82	77	--	--	--	50	0
FEB. 18...	.35	2.0	.02	.01	--	--	2	2	59	--	--
MAR. 24...	.58	1.2	.02	.01	--	--	5	3	50	--	--
APR. 24...	.44	1.1	.05	--	51	48	--	--	--	37	10
APR. 22...	.13	.79	.04	.01	--	--	24	19	63	--	--
MAY 27...	.32	.95	.06	.02	--	--	28	20	38	--	--
JUNE 24...	.28	.64	.03	.01	--	--	3	2	52	--	--
JULY 22...	.35	.68	.03	--	64	50	--	--	--	38	8
AUG. 19...	.41	.60	.04	--	77	62	--	--	--	42	7
SEP. 19...	.35	.55	.01	--	--	46	--	--	--	32	9
SEP. 23...	.32	.46	.03	--	50	48	--	--	--	33	10

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATURATION	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 08...											
NOV. 19...	74	8.4	11.5	20	2	9.8	90	18	82	63	7.1
DEC. 16...	65	8.0	4.5	--	5	--	--	--	740	360	6.8
DEC. 16...	65	8.0	4.5	40	4	--	--	20	--	--	--
JAN. 16...	83	8.5	.5	--	4	--	--	--	320	150	--
JAN. 20...	92	8.5	.5	20	4	10.6	74	16	--	--	6.0
FEB. 20...	114	7.4	.0	--	4	--	--	--	450	580	--
FEB. 18...	117	7.4	.0	30	4	10.4	72	15	--	--	18
MAR. 24...	93	7.0	.5	20	3	11.2	79	14	--	--	18
APR. 24...	93	7.1	1.5	--	9	--	--	--	220	140	--
APR. 22...	94	7.1	1.5	20	8	11.6	84	21	--	--	5.3
MAY 27...	44	6.6	5.0	24	15	12.4	98	21	307	860	5.3
JUNE 24...	93	6.9	22.0	24	2	8.7	95	16	940	650	5.3
JULY 22...	92	6.7	24.5	--	2	--	--	--	900	8180	4.2
AUG. 19...	110	7.5	25.0	--	5	--	--	--	850	480	8.0
SEP. 19...	90	7.2	22.5	--	1	--	--	--	2200	290	--
SEP. 23...	68	6.8	14.5	--	2	10.4	103	--	81000	8130	--

8 Results based on colony count outside the acceptable range (non-ideal colony count).

04260500 BLACK RIVER AT WATERTOWN, N.Y.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TOTAL ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL COBALT (CO) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)
NOV. 19...	1330	0	0	0	0	<10	0	0	0	0	0	320
MAR. 24...	1030	1	1	0	1	0	0	0	0	0	0	480
JUNE 24...	0830	0	0	0	0	0	10	0	0	10	0	360
JULY 22...	0900	0	0	1	1	10	0	1	5	10	0	470

DATE	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
NOV. 19...	180	0	0	60	40	<.5	<.5	0	0	20	10
MAR. 24...	120	3	3	50	30	<.5	<.5	0	0	20	10
JUNE 24...	240	3	2	40	30	<.5	<.5	0	0	10	0
JULY 22...	230	8	6	70	20	<.5	<.5	0	0	20	0

SUSPENDED SEDIMENT DISCHARGE

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM
NOV. 1974					
NOV. 19...	1330	5910	4	64	80
DEC. 16...	1345	6340	4	68	94
JAN. 1975					
JAN. 20...	1045	2260	2	12	73
FEB. 18...	1145	3040	2	16	95
MAR. 24...	1030	11900	21	675	56
APR. 22...	1100	19000	43	2210	59
MAY 27...	1115	1380	9	34	54
JUNE 24...	0830	1630	1	4.4	95
JULY 22...	0900	2930	4	32	64
AUG. 19...	1200	1440	3	12	67
SEP. 23...	1200	3600	3	29	67

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA

PERIPHYTON, FEBRUARY 1975 TO SEPTEMBER 1975

SAMPLING METHOD: Polyethylene strip.

PERIOD OF EXPOSURE	BIOMASS DRY WEIGHT (g/m ²)	BIOMASS ASH WEIGHT (g/m ²)	CHLOROPHYLL ^a (mg/m ²)	CHLOROPHYLL ^b (mg/m ²)	BIOMASS PIGMENT RATIO
Feb. 18-Mar. 24	0.20	0.10	0.0	0.0	0
May 27-June 23	1.9	.60	.8	.1	1700
June 24-July 22	4.8	1.6	11	2.5	290
July 22-Aug. 19	3.5	2.3	1.4	.6	900
Aug. 19-Sept. 23	2.0	.60	9.2	1.7	150

STREAMS TRIBUTARY TO LAKE ONTARIO

04260500 BLACK RIVER AT WATERTOWN, N.Y.--Continued

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA

PHYTOPLANKTON, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL COUNT Cells/ml	ORGANISMS IDENTIFIED	PERCENT COMPO- SITION	DATE	TOTAL COUNT Cells/ml	ORGANISMS IDENTIFIED	PERCENT COMPO- SITION
Nov. 19 1974	490	<u>Oscillatoria</u>	53	Dec. 16 1974	25	<u>Cymbella</u>	25
		<u>Nitzschia</u>	11			<u>Gomphonema</u>	25
		<u>Navicula</u>	7			<u>Navicula</u>	25
		<u>Achnanthes</u>	7			<u>Meridion</u>	25
		<u>Cymbella</u>	4				
		<u>Gomphonema</u>	4				
		<u>Surirella</u>	2				
		<u>Pinnularia</u>	2				
		<u>Synedra</u>	2				
		<u>Diatoms</u>	2				
Jan. 20 1975	70	<u>Epipyxis</u>	2	Feb. 18 1975	1,500	<u>Lynxbya</u>	96
		<u>Achnanthes</u>	60			<u>Navicula</u>	1
		<u>Nitzschia</u>	10			<u>Synedra</u>	1
		<u>Gomphonema</u>	10			<u>Gomphonema</u>	1
		<u>Navicula</u>	10			<u>Pinnularia</u>	1
Apr. 22 1975	280	<u>Tabellaria</u>	10	May 27 1975	1,400	<u>Chlorella</u>	1
		<u>Nitzschia</u>	40			<u>Coelastrum</u>	31
		<u>Gomphonema</u>	20			<u>Scenedesmus</u>	20
		<u>Synedra</u>	20			<u>Melosira</u>	14
		<u>Cocconeis</u>	13			<u>Nitzschia</u>	12
June 24 1975	1,400	<u>Cyclotella</u>	7	July 22 1975	660	<u>Achnanthes</u>	12
						<u>Cyclotella</u>	8
						<u>Navicula</u>	2
						<u>Ankistrodesmus</u>	2
		<u>Scenedesmus</u>	34			<u>Dinobryon</u>	25
		<u>Anacystis</u>	30			<u>Coelastrum</u>	20
		<u>Dictyosphaerium</u>	10			<u>Anacystis</u>	10
		<u>Navicula</u>	6			<u>Pediastrum</u>	8
		<u>Crucigenia</u>	5			<u>Crucigenia</u>	7
		<u>Nitzschia</u>	3			<u>Melosira</u>	5
		<u>Achnanthes</u>	3			<u>Nitzschia</u>	5
		<u>Synedra</u>	3			<u>Ankistrodesmus</u>	3
		<u>Ankistrodesmus</u>	3			<u>Scenedesmus</u>	3
		<u>Cymbella</u>	1			<u>Cyclotella</u>	3
		<u>Gomphonema</u>	1			<u>Navicula</u>	3
<u>Frustulia</u>	1	<u>Achnanthes</u>	2				
Aug. 19 1975	5,800			Sept. 23 1975	890	<u>Gomphonema</u>	2
		<u>Frustulia</u>	1			<u>Tetraedron</u>	1
						<u>Cymbella</u>	1
						<u>Meridion</u>	1
						<u>Pinnularia</u>	1
						<u>Trachelomonas</u>	1
						<u>Gomphosphaeria</u>	<1
		<u>Anacystis</u>	48			<u>Gomphosphaeria</u>	31
		<u>Selenastrum</u>	16			<u>Aphanizomenon</u>	15
		<u>Pediastrum</u>	12			<u>Anabaena</u>	10
		<u>Coelastrum</u>	11			<u>Melosira</u>	9
		<u>Ankistrodesmus</u>	11			<u>Coelastrum</u>	6
		<u>Cymbella</u>	2			<u>Dictyosphaerium</u>	5
		<u>Stauroneis</u>	1			<u>Dinobryon</u>	5
		<u>Nitzschia</u>	1			<u>Navicula</u>	4
<u>Crucigenia</u>	<1	<u>Navicula</u>	4				
		<u>Nitzschia</u>	3				
		<u>Anacystis</u>	3				
		<u>Gonium</u>	2				
		<u>Staurastrum</u>	1				
		<u>Cyclotella</u>	1				
		<u>Achnanthes</u>	1				
		<u>Cocconeis</u>	1				
		<u>Cocconeis</u>	1				
		<u>Cymbella</u>	1				
		<u>Fragilaria</u>	1				
		<u>Scenedesmus</u>	<1				
		<u>Gomphonema</u>	<1				
		<u>Meridion</u>	<1				

< - Less than 1 Percent; may not have been actually counted.

STREAMS TRIBUTARY TO LAKE ONTARIO

04260505 BLACK RIVER BELOW WATERTOWN, N.Y.

LOCATION.--Lat 43°59'44", long 75°56'01", Jefferson County, at bridge on Interstate Highway 81 in Watertown, 0.9 mi (1.4 km) downstream from gaging station (04260500) at Watertown.

DRAINAGE AREA.--1,876 mi² (4,859 km²) at gaging station.

PERIOD OF RECORD.--Chemical analyses: August 1971 to May 1975 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJFL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
OCT. 08...	1400	E1920	.17	.00	.17	.36	.53	.02
DEC. 10...	0800	E12700	.61	.00	.61	.58	1.2	.12
MAR. 05...	0730	E5940	.63	.05	.68	.22	.90	.02
MAY 06...	1200	E11200	.62	.07	.69	.22	.91	.02

DATE	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	CHLOROPHYLL A (UG/L)	CHLOROPHYLL B (UG/L)	FECAL COLIFORM (COL. PER 100 ML)
OCT. 08...	77	8.4	11.5	2	10.2	94	5.0	13	460
DEC. 10...	117	8.3	1.5	40	13.5	97	11	13	2000
MAR. 05...	96	6.9	1.0	2	9.2	65	.0	.0	400
MAY 06...	50	6.7	12.0	2	8.2	77	.0	.0	220

DATE	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
OCT. 08...	8.2	<1	0	0	0	1	<.5	100
DEC. 10...	8.6	1	1	0	0	2	<.5	30
MAR. 05...	4.3	0	0	0	0	1	<.5	10
MAY 06...	4.2	0	0	<10	0	3	<.5	30

DATE	PESTICIDE ANALYSES									
	ALDRIN IN BOTTOM MATERIAL (UG/KG)	CHLOR-DANE IN BOTTOM MATERIAL (UG/KG)	DDD IN BOTTOM MATERIAL (UG/KG)	DDE IN BOTTOM MATERIAL (UG/KG)	DDT IN BOTTOM MATERIAL (UG/KG)	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	ETHION IN BOTTOM MATERIAL (UG/KG)	HEPTA-CHLOR IN BOTTOM MATERIAL (UG/KG)
OCT. 08...	.0	0	2.7	--	--	.0	1.9	.0	.0	.0
MAY 06...	.0	0	.0	.0	.0	.0	.0	.0	.0	.0

DATE	PESTICIDE ANALYSES								
	HEPTA-CHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	LINDANE IN BOTTOM MATERIAL (UG/KG)	MALA-THION IN BOTTOM MATERIAL (UG/KG)	METHYL-PARA-THION IN BOTTOM MATERIAL (UG/KG)	METHYL-THION IN BOTTOM MATERIAL (UG/KG)	PARA-THION IN BOTTOM MATERIAL (UG/KG)	PCB IN BOTTOM MATERIAL (UG/KG)	TOX-APHENE IN BOTTOM MATERIAL (UG/KG)	TRI-THION IN BOTTOM MATERIAL (UG/KG)
OCT. 08...	.0	.0	.0	.0	.0	.0	160	0	.0
MAY 06...	.0	.0	.0	.0	.0	.0	43	0	.0

E Estimated value.

ST. LAWRENCE RIVER MAIN STEM

585

04260712 ST. LAWRENCE RIVER AT CAPE VINCENT, N.Y.

LOCATION.--Lat 44°07'48", long 76°20'10", Jefferson County, at end of U.S. Coast Guard Station dock in Cape Vincent and approximately 1,500 ft (457 m) downstream from village water intake.

DRAINAGE AREA.--292,000 mi² (756,000 km²) approximately.

PERIOD OF RECORD.--Chemical analyses: April 1969 to May 1975 (discontinued).

REMARKS.--New York State Water Quality Surveillance Network station number 09 0030.

COOPERATION.--Samples furnished by New York State Department of Environmental Conservation.

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
OCT. 07...	0905	0	0	35	8.0	12	1.1	105	86	29
NOV. 06...	1400	30	10	38	8.4	12	1.4	108	89	26
APR. 21...	1230	110	10	38	7.2	12	1.4	114	94	29
MAY 12...	1300	80	240	37	7.9	12	1.4	111	91	28

DATE	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
OCT. 07...	23	.13	.00	.13	.11	.17	.28	.41	.02	.01
NOV. 06...	28	.14	.00	.14	.05	.21	.26	.40	.01	.00
APR. 21...	29	.19	.00	.19	.06	.23	.29	.48	.03	.00
MAY 12...	26	.13	.01	.14	.00	.23	.23	.37	.02	.00

DATE	TOTAL NON-FILTERABLE RESIDUE (MG/L)	FIXED NON-FILTERABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)	RESIDUE ON IGNITION (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 07...	2	0	219	150	336	1	2	6	--
NOV. 06...	4	0	195	153	332	2	1	8	--
APR. 21...	4	4	199	133	334	3	2	9	3.3
MAY 12...	2	2	198	161	325	6	1	12	21

STREAMS TRIBUTARY TO ST. LAWRENCE RIVER

04262650 OSWEGATCHIE RIVER AT GOUVERNEUR, N.Y.

LOCATION.--Lat 44°20'05", long 75°28'17", St. Lawrence County, at bridge on U.S. Highway 11, 50 ft (15 m) upstream from dam in Gouverneur
DRAINAGE AREA.--720 mi² (1,865 km²).

PERIOD OF RECORD.--Chemical analyses: August 1969 to May 1975 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)
OCT. 08...	0930	.22	.00	.22	.29	.51	.02	90	7.5	9.0	3	9.8
DEC. 10...	1130	.30	.00	.30	.38	.68	.02	40	8.1	2.0	5	11.2
MAR. 04...	0900	.44	.01	.45	.29	.74	.02	54	6.3	.0	3	13.4
MAY 05...	0900	.54	.01	.55	1.2	1.8	.01	60	6.4	10.0	2	10.4

DATE	PERCENT SATURATION	CHLORO-PHYLL A (UG/L)	CHLORO-PHYLL B (UG/L)	FECAL COLIFORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
OCT. 08...	85	10	11	340	6.5	0	0	0	20	76	<.5	340
DEC. 10...	82	4.0	3.0	200	7.7	0	0	0	30	94	<.5	100
MAR. 04...	92	44	140	290	4.7	0	0	0	0	3	<.5	30
MAY 05...	93	1.0	.0	250	12	1	0	10	10	2	<.5	40

PESTICIDE ANALYSES

DATE	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	ETHION IN BOTTOM MATERIAL (UG/KG)	HEPTA-CHLOR IN BOTTOM MATERIAL (UG/KG)	HEPTA-CHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	LINDANE IN BOTTOM MATERIAL (UG/KG)
MAY 05...	.0	.5	.0	.0	.0	.0	.0

DATE	MALATHION IN BOTTOM MATERIAL (UG/KG)	METHYL PARA-THION IN BOTTOM MATERIAL (UG/KG)	METHYL TRI-THION IN BOTTOM MATERIAL (UG/KG)	PARA-THION IN BOTTOM MATERIAL (UG/KG)	PCB IN BOTTOM MATERIAL (UG/KG)	TOXAPHENE IN BOTTOM MATERIAL (UG/KG)	TRI-THION IN BOTTOM MATERIAL (UG/KG)
MAY 05...	.0	.0	.0	.0	1000	0	.0

STREAMS TRIBUTARY TO ST. LAWRENCE RIVER

587

04263990 OSWEGATCHIE RIVER AT OGDENSBURG, N.Y.

LOCATION.--Lat 44°41'03", long 75°29'20", St. Lawrence County, at bridge on State Highway 37 in Ogdensburg and 1.0 mi (1.6 km) upstream from mouth.

DRAINAGE AREA.--1,602 mi² (4,149 km²).

PERIOD OF RECORD.--Chemical analyses: April 1969 to November 1970, July 1972 to May 1975 (discontinued).

REMARKS.--New York State Water Quality Surveillance Network station number 09 1300.

COOPERATION.--Samples furnished by New York State Department of Environmental Conservation.

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
OCT. 08...	1005	270	20	12	3.0	2.5	1.0	35	29	15
NOV. 06...	1040	350	30	11	6.8	2.8	.8	31	25	15
APR. 22...	0800	940	80	10	2.0	1.3	.7	20	16	8.4
MAY 13...	1030	270	60	11	2.6	1.7	.9	35	29	8.5

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
OCT. 08...	2.4	.19	.00	.19	.26	.05	.31	.50	.02	.01
NOV. 06...	2.9	.25	.00	.25	.13	.17	.30	.55	.02	.01
APR. 22...	2.1	.28	.01	.29	.05	.23	.28	.57	.05	.01
MAY 13...	1.9	.19	.02	.21	.00	.40	.40	.61	.03	.01

DATE	TOTAL NON-FILTERABLE RESIDUE (MG/L)	FIXED NON-FILTERABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)	RESIDUE ON IGNITION (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 08...	4	1	72	54	116	20	2	13	--
NOV. 06...	2	0	74	51	101	20	3	14	--
APR. 22...	28	22	73	40	63	25	10	18	8.7
MAY 13...	1	1	68	46	89	27	2	19	6.0

ST. LAWRENCE RIVER MAIN STEM

04264331 ST. LAWRENCE RIVER AT CORNWALL, ONT. - NEAR MASSENA, N.Y.
(NATIONAL STREAM-QUALITY ACCOUNTING NETWORK RIVER STATION)

LOCATION.--Lat 45°00'22", long 74°47'43", Stormont County, Ontario - St. Lawrence County, New York, at Robert Moses - Robert H. Saunders Power Dam on Lake St. Lawrence at the International Boundary at Cornwall, Ontario, 2.9 mi (4.7 km) upstream from Grass River, 6.2 mi (10.0 km) upstream from Raquette River, and 5.9 mi (9.5 km) northeast of Massena, N.Y.

DRAINAGE AREA.--299,000 mi² (774,410 km²).

PERIOD OF RECORD.--Chemical analyses: January 1974 to September 1975.

Water temperatures: October 1955 to October 1958, January 1966 to September 1975. Prior to October 1970, published as "near Massena, N.Y."

EXTREMES.--1974-75:

Water temperatures: Maximum, 24.5°C on Aug. 6; minimum, freezing point on many days during January to March.

Period of record:

Maximum, 24.5°C on several days during August and September 1973, and August 1975; minimum, freezing point on many days during winter periods most years.

REMARKS.--Measurements made approximately 68 ft (21 m) below normal forebay level. Records for period October 1955 to October 1958 collected at Aluminum Company of America Massena Canal Power Station and are unpublished.

COOPERATION.--Water temperature record furnished by the Power Authority of the State of New York.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SiO ₂) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)	CARBONATE (CO ₃) (MG/L)	ALKALINITY AS CaCO ₃ (MG/L)
OCT.										
10...	1100	310000	.4	37	9.3	13	1.2	103	0	84
NOV.										
13...	0930	274000	.4	37	9.2	14	1.2	115	0	94
DEC.										
12...	0930	274000	.4	40	8.5	12	1.0	107	0	88
JAN.										
29...	1010	230000	.2	38	8.6	13	1.5	114	0	94
FEB.										
13...	1045	250000	.3	37	7.6	13	1.1	112	0	92
MAR.										
19...	0930	291000	.2	39	6.5	14	1.5	113	0	93
APR.										
09...	1100	300000	.3	38	7.7	12	1.5	108	0	89
MAY										
14...	1030	310000	.4	38	7.1	12	1.4	116	0	95
JUNE										
09...	1015	308000	.2	38	7.2	12	1.5	114	0	94
JULY										
14...	1015	290000	.4	35	8.0	13	1.5	107	0	88
AUG.										
04...	1030	286000	--	35	8.0	13	1.3	100	0	82
SEP.										
25...	1015	280000	.3	38	7.0	13	1.5	106	0	87

DATE	DIS-SOLVED SULFATE (SO ₄) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA+MG) (MG/L)
OCT.										
10...	28	29	.2	.06	.22	.28	.02	183	169	130
NOV.										
13...	28	28	.2	.11	.26	.37	.02	191	175	130
DEC.										
12...	27	28	.2	.16	.28	.44	.02	191	170	130
JAN.										
29...	26	27	.0	.22	.27	.49	.02	186	171	130
FEB.										
13...	27	28	.2	.23	.22	.45	.02	161	169	120
MAR.										
19...	28	26	.2	.22	.21	.43	.02	188	171	120
APR.										
09...	26	26	.0	.16	.33	.49	.03	196	165	130
MAY										
14...	27	26	.2	.16	.26	.42	.02	200	169	120
JUNE										
09...	26	27	.1	.76	.44	1.2	.02	202	168	120
JULY										
14...	26	26	.2	.09	.33	.42	.04	212	163	120
AUG.										
04...	26	26	.1	.06	.30	.36	.03	221	--	120
SEP.										
25...	30	27	.2	.06	.32	.38	.01	185	169	120

04264331 ST. LAWRENCE RIVER AT CORNWALL, ONT. - NEAR MASSENA, N.Y.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 10...	46	310	8.3	14.0	1	--	--	0	0	--
NOV. 13...	36	400	7.5	9.5	3	--	--	82	--	--
DEC. 12...	47	328	8.2	4.0	2	--	--	21	64	3.8
JAN. 29...	37	342	8.1	.5	2	--	--	83	82	--
FEB. 13...	32	360	8.4	.5	1	--	--	84	86	--
MAR. 19...	31	330	7.5	1.0	2	--	--	47	81	2.7
APR. 09...	38	327	8.0	.5	2	--	--	82	82	--
MAY 14...	29	352	7.4	8.5	2	--	--	84	82	--
JUNE 09...	31	368	7.8	15.5	1	--	--	83	81	--
JULY 14...	33	350	7.6	21.5	14	--	--	819	819	--
AUG. 04...	38	330	7.7	24.0	1	--	--	84	83	6.8
SEP. 25...	37	338	7.6	16.0	2	8.0	82	88	82	--

DATE	TIME	TOTAL ARSENIC (AS) (UG/L)	DISSOLVED ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	DISSOLVED CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	DISSOLVED CHROMIUM (CR) (UG/L)	TOTAL COBALT (CO) (UG/L)	DISSOLVED COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)
DEC. 12...	0930	2	1	1	0	<10	0	1	1	0	0	510
MAR. 19...	0930	0	0	0	0	10	0	0	0	0	0	70
AUG. 04...	1030	1	1	0	0	<10	<10	0	1	10	0	90

DATE	TIME	DISSOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DISSOLVED LEAD (PB) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DISSOLVED MERCURY (HG) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	DISSOLVED SELENIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DISSOLVED ZINC (ZN) (UG/L)
DEC. 12...	20	4	1	90	10	<.5	<.5	0	0	10	20	
MAR. 19...	20	2	1	10	10	<.5	<.5	1	0	10	10	
AUG. 04...	10	9	2	0	0	<.5	<.5	0	0	60	40	

RADIOCHEMICAL ANALYSES

DATE	TIME	DISSOLVED GROSS ALPHA AS (UG/L)	DISSOLVED GROSS BETA AS (PC/L)	DISSOLVED GROSS BETA AS SR90 /Y90 (PC/L)	TOTAL FILTERABLE RESIDUE (MG/L)	SUSPENDED GROSS ALPHA AS (UG/L)	SUSPENDED GROSS BETA AS (PC/L)	SUSPENDED GROSS BETA AS SR90 /Y90 (PC/L)	TOTAL FILTERABLE RESIDUE (MG/L)	DISSOLVED RA-226 (RADON METHOD) (PC/L)	DISSOLVED URANIUM (U) (UG/L)
FEB. 13...	1046	<2.2	4.4	3.6	200	<.4	<.4	<.4	1	.04	.33
SEP. 25...	1016	<1.4	4.3	3.4	180	<.4	<.4	<.4	<1	.03	.40

Results based on colony count outside the acceptable range (non-ideal colony count).

CONTINUED NEXT PAGE

04264331 ST. LAWRENCE RIVER AT CORNWALL ONTARIO NEAR MASSENA, N.Y.--Continued

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA

PHYTOPLANKTON, NOVEMBER 1974 TO SEPTEMBER 1975

DATE	TOTAL COUNT Cells/ml	ORGANISMS IDENTIFIED	PERCENT COMPO- SITION	DATE	TOTAL COUNT Cells/ml	ORGANISMS IDENTIFIED	PERCENT COMPO- SITION
Nov. 13 1974	4,900	<u>Lyngbya</u>	56	Dec. 12 1974	3,100	<u>Oscillatoria</u>	46
		<u>Mougeotia</u>	30			<u>Asterionella</u>	23
		<u>Fragilaria</u>	6			<u>Aphanizomenon</u>	10
		<u>Melosira</u>	4			<u>Melosira</u>	7
		<u>Scenedesmus</u>	2			<u>Fragilaria</u>	4
		<u>Ankistrodesmus</u>	1			<u>Mougeotia</u>	1
		<u>Cyclotella</u>	<1			<u>Tabellaria</u>	1
		<u>Tetraedron</u>	<1			<u>Scenedesmus</u>	1
						<u>Nitzschia</u>	1
						<u>Stephanodiscus</u>	1
						<u>Closteriopsis</u>	1
						<u>Ankistrodesmus</u>	1
Jan. 29 1975	3,900	<u>Lyngbya</u>	65	Feb. 13 1975	4,200	<u>Cyclotella</u>	41
		<u>Cyclotella</u>	22			<u>Lyngbya</u>	28
		<u>Fragilaria</u>	8			<u>Melosira</u>	10
		<u>Ankistrodesmus</u>	3			<u>Scenedesmus</u>	9
		<u>Synedra</u>	1			<u>Oscillatoria</u>	6
		<u>Asterionella</u>	1			<u>Tabellaria</u>	3
		<u>Tabellaria</u>	1			<u>Tabellaria</u>	1
						<u>Ankistrodesmus</u>	1
						<u>Synedra</u>	1
						<u>Asterionella</u>	1
						<u>Dinobryon</u>	1
Mar. 19 1975	6,000	<u>Lyngbya</u>	72	Apr. 9 1975	4,500	<u>Melosira</u>	46
		<u>Cyclotella</u>	17			<u>Cyclotella</u>	23
		<u>Scenedesmus</u>	7			<u>Anabaena</u>	11
		<u>Asterionella</u>	2			<u>Fragilaria</u>	9
		<u>Synedra</u>	1			<u>Scenedesmus</u>	4
		<u>Peridinium</u>	1			<u>Nitzschia</u>	2
						<u>Tabellaria</u>	2
						<u>Peridinium</u>	2
						<u>Ankistrodesmus</u>	2
May 14 1975	4,800	<u>Cyclotella</u>	24	June 9 1975	1,600	<u>Fragilaria</u>	35
		<u>Oscillatoria</u>	15			<u>Oscillatoria</u>	21
		<u>Lyngbya</u>	15			<u>Asterionella</u>	11
		<u>Melosira</u>	11			<u>Gloeoecystis</u>	8
		<u>Scenedesmus</u>	11			<u>Scenedesmus</u>	5
		<u>Fragilaria</u>	5			<u>Scenedesmus</u>	4
		<u>Tetrastrum</u>	5			<u>Melosira</u>	4
		<u>Anacystis</u>	3			<u>Dinobryon</u>	3
		<u>Asterionella</u>	3			<u>Ankistrodesmus</u>	2
		<u>Peridinium</u>	3			<u>Cyclotella</u>	2
		<u>Nitzschia</u>	1			<u>Synedra</u>	1
		<u>Gomphonema</u>	1			<u>Nitzschia</u>	1
		<u>Rhoicosphenia</u>	1			<u>Chlamydomonas</u>	1
		<u>Ankistrodesmus</u>	1			<u>Gomphonema</u>	1
						<u>Navicula</u>	1
						<u>Cocconeis</u>	1
July 14 1975	320	<u>Coelastrum</u>	24	Aug. 4 1975	2,700	<u>Cyclotella</u>	23
		<u>Scenedesmus</u>	15			<u>Pandorina</u>	20
		<u>Melosira</u>	15			<u>Pandorina</u>	16
		<u>Oocystis</u>	6			<u>Pediastrum</u>	10
		<u>Actinastrum</u>	6			<u>Coelastrum</u>	10
		<u>Crucigenia</u>	6			<u>Oocystis</u>	8
		<u>Cyclotella</u>	4			<u>Anacystis</u>	5
		<u>Cocconeis</u>	4			<u>Crucigenia</u>	5
		<u>Nitzschia</u>	4			<u>Scenedesmus</u>	1
		<u>Glenodinium</u>	4			<u>Cocconeis</u>	1
		<u>Tetraedron</u>	3			<u>Cocconeis</u>	1
		<u>Fragilaria</u>	3			<u>Navicula</u>	1
		<u>Navicula</u>	3			<u>Nitzschia</u>	<1
		<u>Asterionella</u>	1				
Sept. 25 1975	720	<u>Scenedesmus</u>	50				
		<u>Anabaena</u>	36				
		<u>Oocystis</u>	7				
		<u>Cyclotella</u>	4				
		<u>Cocconeis</u>	4				
		<u>Schroederia</u>	<1				
		<u>Melosira</u>	<1				
<u>Asterionella</u>	<1						
<u>Oscillatoria</u>	<1						

- Less than 1 Percent; may not have been actually counted.

04264331 ST. LAWRENCE RIVER AT CORNWALL ONTARIO NEAR MASSENA, N.Y.—Continued

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA

PERIPHYTON, SEPTEMBER 1974 TO SEPTEMBER 1975

SAMPLING METHOD: Polyethylene strip.

PERIOD OF EXPOSURE	BIOMASS DRY WEIGHT (g/m ²)	BIOMASS ASH WEIGHT (g/m ²)	CHLOROPHYLL a (mg/m ²)	CHLOROPHYLL b (mg/m ²)	BIOMASS PIGMENT RATIO
Sept. 24-Oct. 23	3.9	0.80	0.15	0.25	--
Jan. 23-Feb. 20	1.1	.80	.1	.1	3000
Mar. 19-Apr. 17	.70	.50	.1	.0	3300
Apr. 17-May 14	5.8	4.8	1.0	.3	1000
June 9-July 14	52	41	43	8.4	240
July 14-Aug. 11	23	18	30	8.0	160
Aug. 11-Sept. 25	5.6	4.4	5.4	1.0	230

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

(ONCE-DAILY MEASUREMENT)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	16.0						1.0	6.5	15.5	20.0	24.0	21.0
3	15.5	11.0	5.0	3.0	0.0	0.0	1.5	6.5	15.5	20.0	24.0	21.0
4	15.0	11.0	4.5	2.5	0.0	0.0	1.5	6.5	16.0	20.5	24.0	20.0
5	15.0	11.0	4.0	2.5	0.0	0.0	1.0	6.5	16.0	20.5	24.0	20.0
6	15.0	11.0	4.0	2.5	0.0	0.0	1.0	7.0	16.0	20.5	24.0	20.0
7	15.0	10.5	4.0	2.0	0.0	0.0	1.0	7.0	16.0	20.5	24.5	20.0
8	15.0	10.5	4.0	2.0	0.0	0.0	1.0	7.0	15.5	20.5	24.0	20.0
9	14.5	10.5	4.0	2.0	0.0	0.0	1.0	7.5	15.5	21.0	23.5	19.5
10	14.5	10.0	4.5	2.5	0.0	0.0	1.0	8.0	15.5	21.0	23.5	19.0
11	14.0	10.0	4.0	3.0	0.0	1.0	1.0	8.0	15.5	21.0	23.5	19.0
12	14.0	10.0	4.0	3.0	0.0	1.0	1.5	8.5	16.0	21.0	24.0	19.0
13	14.0	10.0	4.0	3.0	0.0	1.0	1.5	9.0	16.0	21.0	23.0	19.0
14	14.0	10.0	4.0	3.0	0.0	1.0	2.0	9.0	16.0	21.0	23.0	19.0
15	14.5	10.0	4.0	3.0	0.0	1.0	2.0	9.5	16.5	22.0	23.0	18.5
16	14.5	10.0	4.0	3.0	0.0	1.0	2.5	9.5	16.5	22.0	22.5	17.5
17	14.5	9.0	4.5	2.5	0.0	1.0	3.0	10.0	16.5	22.0	22.5	18.0
18	14.5	9.0	4.5	2.5	0.0	1.0	3.0	10.0	17.0	22.0	22.5	17.5
19	13.5	8.5	3.0	2.0	0.0	1.0	3.5	10.0	17.0	22.5	22.5	17.5
20	12.5	8.0	3.0	2.0	0.0	1.0	4.0	10.5	17.5	22.5	23.0	17.5
21	12.0	8.0	3.0	2.0	0.0	1.0	4.0	11.0	18.0	23.0	22.5	17.0
22	12.0	8.0	3.0	2.0	0.0	1.0	4.0	11.5	18.0	23.0	22.0	17.0
23	11.5	8.0	3.0	1.0	0.0	1.0	4.0	12.0	18.5	23.5	22.0	17.0
24	11.0	7.0	3.0	1.0	0.0	1.0	4.0	12.5	18.5	23.5	22.0	17.0
25	11.0	7.0	3.0	1.0	0.0	1.0	5.0	12.5	19.0	23.5	22.0	17.0
26	11.0	7.0	3.5	1.0	0.0	1.0	5.0	13.0	19.5	24.0	22.0	17.0
27	11.0	7.0	3.0	0.0	0.0	1.0	5.5	13.5	19.5	24.0	22.0	16.0
28	11.0	7.0	3.0	0.0	0.0	1.0	5.5	14.0	19.5	23.5	22.0	16.0
29	11.0	6.0	2.5	0.0	0.0	1.0	5.5	15.0	20.0	23.0	22.0	16.0
30	10.5	6.0	3.0	0.0	0.0	1.0	6.0	15.0	20.0	23.0	22.0	16.0
31	10.5	6.0	3.0	0.0	0.0	1.0	6.0	15.0	20.0	23.0	22.0	16.0
AVERAGE	13.0	9.0	3.5	1.5	0.0	0.5	3.0	10.5	17.5	22.0	23.0	18.0

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	SUSPENDED SEDIMENT FINER THAN .062 MM	DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DISCHARGE (T/DAY)	SUSPENDED SEDIMENT FINER THAN .062 MM
OCT. 10...						MAY 14...	1030	310000	2	1670	46
JAN. 29...	1100	310000	10	8370	94	JUNE 09...	1015	308000	20	16600	52
FEB. 13...	1010	230000	0	0	100	JULY 14...	1015	290000	2	1570	100
MAR. 19...	1045	250000	0	0	100	AUG. 04...	1030	286000	5	3860	57
APR. 09...	0930	291000	4	3140	91	SEP. 25...	1015	280000	3	2270	54
	1100	300000	2	1620	54						

STREAMS TRIBUTARY TO ST. LAWRENCE RIVER

04265437 GRASS RIVER ABOVE MASSENA, N.Y.

LOCATION.--Lat 44°55'20", long 74°55'36", St. Lawrence County, at bridge on State Highway 37, 0.4 mi (0.6 km) west of State Highway 9
0.7 mi (1.1 km) west of Massena, and 3.0 mi (4.8 km) upstream from Massena Power Canal.

DRAINAGE AREA.--628 mi² (1,627 km²).

PERIOD OF RECORD.--Chemical analyses: May to November 1970, July 1972 to May 1975 (discontinued).

REMARKS.--New York State Water Quality Surveillance Network station number 09 1203.

COOPERATION.--Samples furnished by New York State Department of Environmental Conservation.

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
OCT. 08...	1145	330	20	14	5.4	1.8	1.0	56	46	12
NOV. 06...	1210	320	20	13	4.4	2.2	.6	42	34	7.9
APR. 22...	1030	450	30	5.0	1.8	.9	.7	16	13	6.3
MAY 13...	1130	310	20	8.7	2.7	1.8	.7	30	25	8.7

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
OCT. 08...	2.5	.05	.00	.05	.23	.11	.34	.39	.03	.01
NOV. 06...	2.5	.12	.00	.12	.11	.18	.29	.41	.01	.01
APR. 22...	1.6	.64	.01	.65	.18	.19	.37	1.0	.03	.01
MAY 13...	2.0	.19	.01	.20	.00	.33	.33	.53	.03	.02

DATE	TOTAL NON-FILTERABLE RESIDUE (MG/L)	FIXED NON-FILTERABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)	RESIDUE ON IGNITION (MG/L)	SPECIFIC CONDUCTANCE (MICRO-MHOS) (MG/L)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 08...	4	1	87	58	134	40	2	16	--
NOV. 06...	6	2	78	51	106	30	2	13	--
APR. 22...	9	5	55	37	53	38	4	19	4.5
MAY 13...	1	0	60	37	77	34	1	17	6.3

STREAMS TRIBUTARY TO ST. LAWRENCE RIVER

593

04265452 GRASS RIVER BELOW MASSENA CENTER, N.Y.

LOCATION.--Lat 44°57'52", long 74°47'53", St. Lawrence County, off south bank at end of road off South Grass River Road, 0.5 mi (0.8 km) west of Haverstock Road, 1.7 mi (2.7 km) east of Massena Center, 2.4 mi (3.9 km) downstream from bridge on State Highway 131, and 2.4 mi (3.9 km) upstream from mouth.

DRAINAGE AREA.--641 mi² (1,660 km²).

PERIOD OF RECORD.--Chemical analyses: April to November 1970, July 1972 to May 1975 (discontinued).

REMARKS.--New York State Water Quality Surveillance Network station number 09 1206.

COOPERATION.--Samples furnished by New York State Department of Environmental Conservation.

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
OCT. 08...	1300	450	20	14	4.4	3.6	1.0	50	41	13
NOV. 06...	1330	340	30	16	8.0	4.5	.9	54	44	14
APR. 22...	1200	450	30	7.5	2.0	1.1	.7	19	16	6.6
MAY 13...	1330	400	40	12	3.1	2.8	.8	35	29	11

DATE	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
OCT. 08...	4.5	.11	.01	.12	.30	.10	.40	.52	.04	.03
NOV. 06...	5.8	.13	.02	.15	.18	.19	.37	.52	.03	.02
APR. 22...	1.5	.42	.00	.42	.05	.32	.37	.79	.04	.01
MAY 13...	3.3	.19	.01	.20	.10	.32	.42	.62	.05	.02

DATE	TOTAL NON-FILTERABLE RESIDUE (MG/L)	FIXED NON-FILTERABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)	RESIDUE ON IGNITION (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS) (MG/L)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 08...	5	1	105	55	140	40	2	15	--
NOV. 06...	4	0	93	62	146	30	3	13	--
APR. 22...	9	7	41	41	57	36	4	17	9.7
MAY 13...	2	2	77	56	97	33	2	20	8.3

STREAMS TRIBUTARY TO ST. LAWRENCE RIVER

04268230 RAQUETTE RIVER AT MASSENA SPRINGS, N.Y.

LOCATION.--Lat 44°54'59", long 74°53'19", St. Lawrence County, at bridge on State Highway 420 (S. Main Street) in Massena Springs, 740 ft (226 m) downstream from staff gage and 0.4 mi (0.6 km) downstream from Hutchins Creek.

DRAINAGE AREA.--1,197 mi² (3,100 km²).

PERIOD OF RECORD.--Chemical analyses: April 1969 to November 1970, July 1972 to May 1975 (discontinued).

REMARKS.--New York State Water Quality Surveillance Network station number 09 1105.

COOPERATION.--Samples furnished by New York State Department of Environmental Conservation.

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
OCT. 08...	1220	220	10	6.0	1.8	1.0	.7	16	13	8.4
NOV. 06...	1300	360	20	10	2.5	1.5	.2	18	15	7.9
APR. 22...	1100	310	20	6.6	2.2	1.3	.5	22	18	6.2
MAY 13...	1230	220	30	4.6	1.5	1.0	.5	9	7	5.2

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
OCT. 08...	1.4	.19	.00	.19	.20	.01	.21	.40	.01	.01
NOV. 06...	1.9	.24	.00	.24	.11	.11	.22	.46	.01	.01
APR. 22...	1.8	.34	.00	.34	.04	.16	.20	.54	.02	.00
MAY 13...	.9	.45	.02	.47	.00	.20	.20	.67	.01	.00

DATE	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	FIXED NON-FILT-RABLE RESIDUE (MG/L)	TOTAL RESI-DUE (MG/L)	RESIDUE ON IGNI-TION (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	CHEM-ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 08...	4	0	49	30	55	30	2	14	--
NOV. 06...	6	2	41	28	60	30	2	14	--
APR. 22...	4	4	58	44	64	25	3	14	5.8
MAY 13...	1	1	37	22	39	19	1	14	7.3

ST. LAWRENCE RIVER BASIN

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04269000 ST. REGIS RIVER AT BRASHER CENTER, N.Y.
(National Stream-Quality Accounting Network Station)

LOCATION.--Lat 44°51'49", long 74°46'45", St. Lawrence County, at gaging station 600 ft (183 m) upstream from highway bridge at Brasher Center, and 6.5 mi (10.5 km) downstream from West Branch.

DRAINAGE AREA.--616 mi² (1,595 km²).

PERIOD OF RECORD.--Chemical analyses: October 1974 to September 1975.

Water temperatures: September 1974 to September 1975.

EXTREMES.--1974-75:

Water temperatures: Maximum, 29.0°C on Aug. 4; minimum, freezing point on many days November through April.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DIS-SOLVED SILICA (SiO ₂) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)	CARBONATE (CO ₃) (MG/L)	ALKALINITY AS CaCO ₃ (MG/L)
OCT. 15...	1100	570	6.6	7.0	2.2	1.2	.5	30	--	25
NOV. 13...	1300	830	6.9	10	3.3	1.6	.3	32	0	26
DEC. 11...	1100	1920	6.5	6.2	2.0	1.4	.8	15	0	12
JAN. 09...	0945	712	8.5	9.4	3.4	1.5	.3	31	0	25
FEB. 11...	1200	564	8.9	10	3.0	1.6	.1	28	0	23
MAR. 18...	1300	820	7.6	9.6	3.2	1.7	.7	38	0	31
APR. 10...	1015	1200	7.5	11	1.5	1.6	.5	29	0	24
MAY 13...	0930	1430	4.0	5.9	1.6	1.1	.6	16	0	13
JUNE 10...	0815	1400	6.0	6.0	1.5	.9	.2	21	0	17
JULY 07...	1030	211	4.4	12	3.5	1.9	.6	42	--	34
AUG. 06...	1030	218	5.3	11	3.5	1.9	.7	39	0	32
SEP. 10...	1015	430	7.9	9.4	3.0	1.6	.6	28	0	23

DATE	DIS-SOLVED SULFATE (SO ₄) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA, MG) (MG/L)
OCT. 15...	7.6	1.7	.1	.11	.29	.40	.02	57	42	27
NOV. 13...	8.6	1.4	.2	.17	.19	.36	.01	56	48	39
DEC. 11...	9.3	1.5	.1	.31	.14	.45	.02	51	35	24
JAN. 09...	8.4	.3	.2	.36	.20	.56	.01	72	48	37
FEB. 11...	7.9	2.0	.4	.45	.18	.63	.01	46	48	37
MAR. 18...	8.0	2.0	.1	.33	.26	.59	.02	69	52	37
APR. 10...	7.7	1.3	.2	.39	.13	.52	.02	50	46	34
MAY 13...	7.1	1.1	.1	.19	.29	.48	.01	21	29	21
JUNE 10...	7.1	.7	.2	.13	.33	.46	.02	43	33	21
JULY 07...	7.2	1.0	.2	.04	.25	.29	.03	59	52	44
AUG. 06...	6.1	1.8	.1	.04	.41	.45	.01	67	50	42
SEP. 10...	9.0	1.1	.2	.13	.28	.41	.01	38	47	36

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ST. LAWRENCE RIVER BASIN

04269000 ST. REGIS RIVER AT BRASHER CENTER, N.Y.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	FECAL COLIFORM (COL PER 100 ML)	STREPTOCOCCI (COL PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 15...	2	76	--	10.0	2	--	--	8120	890	6.4
NOV. 13...	12	61	7.6	5.5	2	--	--	82	--	--
DEC. 11...	11	54	8.4	1.5	3	--	--	63	110	--
JAN. 09...	12	54	8.2	.0	2	--	--	78	38	4.1
FEB. 11...	14	90	8.2	.0	2	--	--	35	816	4.2
MAR. 18...	6	92	7.1	.0	2	--	--	300	810	--
APR. 10...	10	89	7.0	1.0	1	--	--	813	88	--
MAY 13...	8	52	6.7	15.5	1	--	--	35	20	--
JUNE 10...	4	59	6.6	15.0	2	--	--	89	57	--
JULY 07...	10	100	--	26.5	1	--	--	--	--	5.6
AUG. 06...	10	95	7.4	23.5	2	--	--	58	60	--
SEP. 10...	13	64	7.1	13.5	1	10.1	96	770	130	--

DATE	TIME	TOTAL ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL COBALT (CO) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)
OCT. 15...	1100	0	0	1	2	0	0	1	0	0	0	520
JAN. 09...	0945	0	1	0	0	0	0	0	0	0	0	280
FEB. 11...	1200	0	0	1	1	0	0	0	0	40	20	230
JULY 07...	1030	1	1	1	1	10	<10	0	0	10	10	360

DATE	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
OCT. 15...	320	3	0	30	10	<.5	<.5	3	2	30	10
JAN. 09...	210	7	4	10	20	<.5	<.5	2	1	10	0
FEB. 11...	170	44	17	10	0	<.5	<.5	0	0	30	30
JULY 07...	200	7	1	40	20	<.5	<.5	0	0	--	40

B Results based on colony count outside the acceptable range (non-ideal colony count).

STREAMS TRIBUTARY TO ST. LAWRENCE RIVER

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04269000 ST. REGIS RIVER AT BRASHER CENTER, N.Y.--Continued

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA

PHYTOPLANKTON, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL COUNT Cells/ml	ORGANISMS IDENTIFIED	PERCENT COMPOSITION	DATE	TOTAL COUNT Cells/ml	ORGANISMS IDENTIFIED	PERCENT COMPOSITION
Oct. 15 1974	710	<u>Achnanthes</u> <u>Synedra</u> <u>Navicula</u> <u>Amphora</u> <u>Gomphonema</u> <u>Cocconeis</u> <u>Dinobryon</u> <u>Treubaria</u>	38 19 13 6 6 6 6 6	Nov. 13 1974	440	<u>Synedra</u> <u>Achnanthes</u> <u>Fragilaria</u> <u>Diatoma</u> <u>Oocystis</u> <u>Cyclotella</u> <u>Nitzschia</u> <u>Cymbella</u> <u>Gomphonema</u> <u>Cocconeis</u>	41 15 11 11 9 4 2 2 2 2
Dec. 11 1974	280	<u>Navicula</u> <u>Synedra</u> <u>Scenedesmus</u> <u>Cymbella</u> <u>Hannaea</u> <u>Fragilaria</u> <u>Epithemia</u> <u>Cocconeis</u> <u>Asterionella</u> <u>Cyclotella</u>	37 17 13 7 7 7 3 3 3 3	Jan. 9 1975	320	<u>Diatoma</u> <u>Achnanthes</u> <u>Navicula</u> <u>Nitzschia</u> <u>Hannaea</u>	33 29 24 10 5
Feb. 11 1975	260	<u>Achnanthes</u> <u>Navicula</u> <u>Diatoma</u> <u>Anacystis</u> <u>Nitzschia</u> <u>Tabellaria</u> <u>Hannaea Arcus</u> <u>Stauroneis</u> <u>Eunotia</u> <u>Cyclotella</u> <u>Tetraedron</u>	25 15 15 13 10 8 5 3 3 3 3	Mar. 18 1975	380	<u>Synedra</u> <u>Diatoma</u> <u>Achnanthes</u> <u>Fragilaria</u> <u>Nitzschia</u> <u>Cymbella</u> <u>Hannaea</u> <u>Cyclotella</u> <u>Gomphonema</u>	28 23 19 9 5 5 5 5 2
Apr. 4 1975	500	<u>Diatoma</u> <u>Achnanthes</u> <u>Synedra</u> <u>Gomphonema</u> <u>Eunotia</u> <u>Hannaea</u>	47 24 21 3 3 3	May 13 1975	930	<u>Achnanthes</u> <u>Synedra</u> <u>Nitzschia</u> <u>Fragilaria</u> <u>Hannaea</u> <u>Gomphonema</u> <u>Tabellaria</u>	39 23 18 9 7 2 2
June 10 1975	2,000	<u>Navicula</u> <u>Achnanthes</u> <u>Fragilaria</u> <u>Gomphonema</u> <u>Eunotia</u> <u>Nitzschia</u> <u>Cyclotella</u> <u>Mallomonas</u>	38 14 14 10 10 5 5 5	July 7 1975	2,700	<u>Anacystis</u> <u>Selenastrum</u> <u>Navicula</u> <u>Oscillatoria</u> <u>Scenedesmus</u> <u>Ankistrodesmus</u> <u>Achnanthes</u> <u>Crucigenia</u> <u>Pediastrum</u> <u>Cyclotella</u> <u>Cymbella</u> <u>Gomphonema</u> <u>Cocconeis</u>	38 11 9 8 7 7 6 5 5 2 1 1 1
Aug. 6 1975	440	<u>Achnanthes</u> <u>Crucigenia</u> <u>Scenedesmus</u> <u>Navicula</u> <u>Gomphonema</u> <u>Nitzschia</u> <u>Melosira</u> <u>Cymbella</u> <u>Eunotia</u> <u>Caloneis</u> <u>Pinnularia</u>	36 18 18 18 5 5 <1 <1 <1 <1 <1	Sept. 10 1975	520	<u>Navicula</u> <u>Achnanthes</u> <u>Gomphonema</u> <u>Scenedesmus</u> <u>Cyclotella</u> <u>Cocconeis</u> <u>Nitzschia</u> <u>Cymbella</u> <u>Synedra</u> <u>Pinnularia</u> <u>Sphaerocystis</u> <u>Diatoma</u> <u>Cyrosigma</u>	29 26 14 6 6 6 6 3 3 3 <1 <1 <1

- Less than 1 Percent; may not have been actually counted.

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STREAMS TRIBUTARY TO ST. LAWRENCE RIVER

04269000 ST. REGIS RIVER AT BRASHER CENTER, N.Y.--Continued

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA

PERIPHYTON, OCTOBER 1974 TO SEPTEMBER 1975

SAMPLING METHOD: Polyethylene strip.

PERIOD OF EXPOSURE	BIOMASS DRY WEIGHT (g/m ²)	BIOMASS ASH WEIGHT (g/m ²)	CHLOROPHYLL a (mg/m ²)	CHLOROPHYLL b (mg/m ²)	BIOMASS PIGMENT RATIO
Oct. 15-Nov. 12	7.7	4.6	3.3	0.8	950
Nov. 12-Dec. 11	5.4	2.3	.3	.2	10,000
June 10-July 7	4.5	2.8	7.7	1.6	230
July 7-Aug. 6	11	9.0	3.9	.8	630
Aug. 6-Sept. 10	3.4	1.1	11	2.2	220

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PEN- DED SEDI- MENT (MG/L)	SUS- PEN- DED SEDI- MENT DIS- CHARGE (T/DAY)	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM
OCT., 1974					
15...	1100	552	1	1.5	100
NOV.					
13...	1300	775	1	2.1	100
DEC.					
11...	1100	1940	9	47	57
JAN., 1975					
09...	0945	E660	2	3.8	72
FEB.					
11...	1200	E560	2	3.0	65
MAR.					
18...	1300	E820	1	2.2	61
APR.					
10...	1015	E1200	2	6.5	26
MAY					
13...	0930	1430	3	12	45
JUNE					
10...	0815	1350	11	40	58
JULY					
07...	1030	201	E3	E1.7	65
AUG.					
06...	1030	219	4	2.4	80
SEP.					
10...	1015	411	8	8.9	27

E Estimated value.

ST. LAWRENCE RIVER BASIN

04269000 ST. REGIS RIVER AT BRASHER CENTER, N.Y.—Continued

TEMPERATURE (°C) OF WATER, SEPTEMBER 1974

DAY	SEP
1	17.5
2	18.0
3	15.0
4	15.0
5	14.0
6	15.0
7	16.0
8	17.0
9	18.0
10	20.0
11	19.0
12	21.0
13	21.5
14	18.5
15	16.0
16	14.5
17	14.5
18	14.0
19	14.0
20	17.0
21	15.0
22	14.0
23	11.0
24	10.0
25	10.0
26	10.0
27	15.0
28	15.0
29	16.5
30	14.5
31	---
AVERAGE	15.5

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1												
2	10.0											
3	9.0	12.0	0.0	0.0	0.0	0.0	0.0	6.5	18.0	24.5	26.0	17.0
4	7.5	10.0	0.0	0.0	0.0	0.0	1.0	9.0	18.0	25.0	26.5	16.5
5	6.0	7.0	0.0	0.0	0.0	0.0	1.0	9.0	18.0	25.0	27.5	16.5
6	8.0	7.0	0.0	0.0	0.0	0.0	1.0	9.5	18.5	25.0	29.0	16.0
7		7.0	0.0	0.0	0.0	0.0	1.0	9.5	19.0	25.0	28.5	16.0
8	10.0											
9	13.0	7.0	0.0	0.0	0.0	0.0	1.0	9.5	20.0	25.0	24.0	15.0
10	9.0	6.0	0.0	0.0	0.0	0.0	1.0	10.0	20.0	25.0	24.0	15.0
11	9.0	5.5	0.0	0.0	0.0	0.0	1.0	10.5	20.0	25.0	23.5	14.5
12	9.5	5.5	0.0	0.0	0.0	0.0	1.0	11.5	20.0	25.0	24.0	14.0
13		5.0	0.0	0.0	0.0	0.0	1.0	13.0	19.5	25.0	24.0	13.0
14	9.0											
15	8.5	5.0	0.0	0.0	0.0	0.0	1.0	14.0	19.5	25.0	23.0	13.0
16	7.5	5.0	0.0	0.0	0.0	0.0	1.0	15.0	19.0	25.0	23.0	13.0
17	10.0	5.5	0.0	0.0	0.0	0.0	1.0	17.0	18.5	25.0	23.5	13.0
18		5.0	0.0	0.0	0.0	0.0	1.0	17.5	18.5	25.0	23.5	13.0
19	7.0											
20	7.5	4.5	0.0	0.0	0.0	0.0	1.0	18.5	18.0	25.0	23.0	13.0
21	5.0	3.5	0.0	0.0	0.0	0.0	1.0	18.5	19.5	25.0	22.0	17.5
22	4.5	3.0	0.0	0.0	0.0	0.0	1.5	19.0	19.5	25.0	22.0	14.5
23		3.5	0.0	0.0	0.0	0.0	1.5	19.5	20.0	25.0	21.0	15.0
24	3.5	2.0	0.0	0.0	0.0	0.0	2.0	21.0	21.0	25.0	20.0	15.5
25	4.0											
26	5.5	0.0	0.0	0.0	0.0	1.0	2.0	23.0	21.5	24.5	19.5	15.0
27	5.0	0.0	0.0	0.0	0.0	1.0	2.5	23.0	22.0	24.5	19.0	14.0
28	5.0	0.0	0.0	0.0	0.0	1.0	3.5	24.0	23.0	24.5	19.0	14.0
29	5.0	1.5	0.0	0.0	0.0	1.0	4.0	24.5	24.0	24.5	18.5	13.5
30	6.0	3.0	0.0	0.0	0.0	1.0	4.0	24.5	23.5	24.0	18.5	12.5
31	7.0											
AVERAGE	7.5	4.0	0.0	0.0	0.0	0.5	2.0	17.0	20.5	24.5	22.5	14.5

04269500 DEER RIVER AT BRASHER IRON WORKS, N.Y.

LOCATION.--Lat 44°53'32", long 74°41'28", St. Lawrence County, at highway bridge, 400 ft (122 m) downstream from former gaging station # Brasher Iron Works, 3.6 mi (5.8 km) upstream from mouth, and 3.8 mi (6.1 km) downstream from Lawrence Brook.

DRAINAGE AREA.--189 mi² (490 km²).

PERIOD OF RECORD.--Chemical analyses: August 1965 to May 1975 (discontinued).

REMARKS.--New York State Water Quality Surveillance network station number 09 2428.

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	TOTAL IRON (FE) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	TOTAL CAL- CIUM (CA) (MG/L)	TOTAL MAG- NE- SIUM (MG)	TOTAL SODIUM (NA) (MG/L)	TOTAL PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)
OCT.												
10...	1220	76	220	0	15	5.2	2.5	1.0	57	0	47	14
NOV.												
13...	1045	180	360	30	16	5.8	2.8	1.1	64	0	53	12
DEC.												
12...	0715	338	470	30	12	4.8	1.8	.4	41	0	34	11
JAN.												
22...	1300	9.0	270	20	22	7.1	3.1	.7	70	0	57	14
FEB.												
13...	1130	80	350	40	19	6.2	2.5	.8	65	0	53	12
MAR.												
12...	1015	132	530	50	16	6.5	2.5	.8	76	0	62	12
APR.												
10...	1215	266	300	30	15	5.4	2.1	.7	61	0	50	9.3
MAY												
14...	1340	195	300	30	9.0	3.7	1.5	.4	37	0	30	7.8

DATE	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)	TOTAL NON- FIL- TABLE RESIDUE (MG/L)	FIXED NON- FIL- TABLE RESIDUE (MG/L)
OCT.												
10...	3.3	.03	.00	.03	.29	.02	.31	.34	.07	.06	4	
NOV.												
13...	2.8	.09	.00	.09	.10	.26	.36	.45	.10	.07	5	
DEC.												
12...	2.3	.26	.01	.27	.10	.30	.40	.67	.06	.04	6	
JAN.												
22...	2.8	.37	.01	.38	.04	.30	.34	.72	.10	.09	--	
FEB.												
13...	3.0	.42	.01	.43	.08	.30	.38	.81	.09	.07	4	
MAR.												
12...	3.9	.27	.01	.28	.08	.27	.35	.63	.06	.04	8	
APR.												
10...	2.2	.26	.01	.27	.04	.14	.18	.45	.04	.03	4	
MAY												
14...	1.3	.10	.01	.11	.04	.27	.31	.42	.07	.05	7	

DATE	TOTAL RESI- DUE (MG/L)	RESIDUE ON IGNI- TION (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- RID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	CHEM- ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT.											
10...	102	68	130	8.1	9.0	50	2	9.8	85	22	13
NOV.											
13...	101	69	170	7.8	5.0	30	3	11.3	90	16	14
DEC.											
12...	87	56	120	7.9	1.5	50	3	11.6	83	26	9.7
JAN.											
22...	110	88	162	8.2	.0	30	2	13.2	91	14	7.4
FEB.											
13...	102	71	152	7.8	.0	30	2	13.7	94	14	2.8
MAR.											
12...	104	80	168	7.1	1.0	40	2	9.8	69	15	5.3
APR.											
10...	99	67	140	6.6	.5	29	2	13.6	97	15	9.0
MAY											
14...	64	41	84	7.2	18.0	35	2	8.8	94	20	7.1

STREAMS TRIBUTARY TO ST. LAWRENCE RIVER

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04279015 LA CHUTE AT STATE HIGHWAY 22 AT TICONDEROGA, N.Y.

LOCATION.--Lat 43°51'00", long 73°25'20", Essex County, at bridge on State Highway 22 in Ticonderoga, and 0.8 mi (1.3 km) downstream from gaging station (04279000 La Chute at Ticonderoga) which is 250 ft (76 m) upstream from Trout Brook.

DRAINAGE AREA.--234 mi² (606 km²) at gaging station.

PERIOD OF RECORD.--Chemical analyses: April 1969 to May 1975 (discontinued). Prior to October 1972, published as Ticonderoga Creek at Ticonderoga.

REMARKS.--New York State Water Quality Surveillance network station number 10 1050. Water discharged data are based on records for 04279000 La Chute at Ticonderoga.

COOPERATION.--Samples furnished by New York State Department of Environmental Conservation.

CHEMICAL ANALYSES, OCTOBER 1974 TO MAY 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG) (MG/L)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)
OCT. 28...	1500	E104	160	30	15	--	3.6	.4	38	31
DEC. 02...	1400	E644	160	20	12	2.3	3.0	.7	35	29
JAN. 13...	1400	E577	190	10	16	3.0	3.4	.7	41	34
FEB. 10...	1400	E104	130	20	13	3.2	5.0	.8	44	36
MAY 05...	1400	E368	210	30	13	2.3	2.9	.8	35	29

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
OCT. 28...	13	4.9	.02	.00	.02	.12	.14	.26	.28	.02
DEC. 02...	12	4.5	2.5	.00	2.5	.08	.44	.52	3.0	.02
JAN. 13...	12	3.8	.03	.01	.04	.03	.17	.20	.24	.02
FEB. 10...	14	7.0	.15	.01	.16	.10	.20	.30	.46	.05
MAY 05...	11	1.9	.05	.01	.06	.10	.37	.47	.53	.02

DATE	TOTAL ORTHO-PHOSPHORUS (P) (MG/L)	TOTAL NON-FILTRABLE RESIDUE (MG/L)	FIXED NON-FILTRABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)	RESIDUE ON IGNITION (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 28...	.01	3	2	74	54	113	7	4	11	--
DEC. 02...	.03	3	3	82	52	125	7	3	10	3.7
JAN. 13...	.00	4	3	62	50	118	3	3	10	3.9
FEB. 10...	.01	8	4	100	54	122	10	3	12	5.1
MAY 05...	.00	17	11	73	67	101	7	2	14	4.3

E Estimated value.

STREAMS TRIBUTARY TO ST. LAWRENCE RIVER

04294402 LAKE CHAMPLAIN (EAST BAY) NEAR WHITEHALL, N.Y.

LOCATION.--Lat 43°34'55", long 73°25'19", Washington County, N.Y.--Rutland County, Vt., at midchannel directly south of navigation light 0.2 mi (0.4 km) upstream from South Bay and 2.0 mi (3.2 km) northwest of Whitehall.

PERIOD OF RECORD.--Chemical analyses: August 1969 to June 1975 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1974 TO JUNE 1975

DATE	TIME	DEPTH (FT)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)
OCT. 23...	1530	5.0	.36	.00	.36	.35	.08	275	7.7	7.0	20	13.1
MAY 21...	1500	7.0	.16	.01	.17	.31	.03	227	8.2	21.5	2	10.8
JUNE 18...	1330	7.0	.45	.02	.47	.71	.08	212	7.6	21.0	16	9.1

DATE	PERCENT SATURATION	CHLORO-PHYLL A (UG/L)	CHLORO-PHYLL B (UG/L)	FECAL COLIFORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MERCURY (MG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
OCT. 23...	107	2.0	.0	830	6.9	<1	1	<10	20	9	<.5	100
MAY 21...	125	12	.0	110	2.9	1	0	<10	10	2	<.5	10
JUNE 18...	102	.0	.0	8450	4.0	1	1	<10	10	7	.5	10

PESTICIDE ANALYSES

DATE	ALDRIN IN BOTTOM MATERIAL (UG/KG)	CHLORDANE IN BOTTOM MATERIAL (UG/KG)	DDD IN BOTTOM MATERIAL (UG/KG)	DDE IN BOTTOM MATERIAL (UG/KG)	DDT IN BOTTOM MATERIAL (UG/KG)	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	ETHION IN BOTTOM MATERIAL (UG/KG)	HEPTACHLOR IN BOTTOM MATERIAL (UG/KG)
MAY 21...	.0	0	2.6	.8	.0	.0	.0	.0	.0	.0

DATE	HEPTACHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	LINDANE IN BOTTOM MATERIAL (UG/KG)	MALATHION IN BOTTOM MATERIAL (UG/KG)	METHYL PARA-THION IN BOTTOM MATERIAL (UG/KG)	METHYL TRI-THION IN BOTTOM MATERIAL (UG/KG)	PARATHION IN BOTTOM MATERIAL (UG/KG)	PCB IN BOTTOM MATERIAL (UG/KG)	TOXAPHENE IN BOTTOM MATERIAL (UG/KG)	TRI-THION IN BOTTOM MATERIAL (UG/KG)
MAY 21...	.0	.0	.0	.0	.0	.0	26	0	.0

B Results based on colony count outside the acceptable range (non-ideal colony count).

STREAMS TRIBUTARY TO ST. LAWRENCE RIVER

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04294408 LAKE CHAMPLAIN NEAR TICONDEROGA, N.Y.

LOCATION.--Lat 43°50'60", long 73°23'16", Essex County, N.Y.-Addison County, Vt., at midlake at New York-Vermont state line opposite mouth of La Chute, 0.5 mi (0.8 km) south of Fort Ticonderoga and 2.0 mi (3.2 km) southeast of Ticonderoga.

PERIOD OF RECORD.--Chemical analyses: August 1969 to June 1975 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1974 TO JUNE 1975

DATE	TIME	DEPTH (FT)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)
OCT. 23...												
MAY 21...	1230	10	.21	.00	.21	.43	.07	136	8.0	9.0	20	13.2
JUNE 18...	1200	11	.03	.01	.04	.29	.02	177	8.7	19.0	2	10.9
	1200	11	.10	.01	.11	.37	.05	205	7.9	20.0	11	9.0

DATE	PER-CENT SATURATION	CHLORO-PHYLL A (UG/L)	CHLORO-PHYLL B (UG/L)	FECAL COLIFORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MERCURY (MG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
OCT. 23...												
MAY 21...	114	6.7	.0	B30	3.0	<1	1	0	20	9	<.5	130
JUNE 18...	122	8.0	.0	B16	4.6	0	0	10	10	3	<.5	10
	100	7.1	.0	22	3.4	0	1	20	10	4	<.5	10

PESTICIDE ANALYSES

DATE	CHLOR-DANE IN BOTTOM MATERIAL (UG/KG)	DDD IN BOTTOM MATERIAL (UG/KG)	DDE IN BOTTOM MATERIAL (UG/KG)	DDT IN BOTTOM MATERIAL (UG/KG)	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	ETHION IN BOTTOM MATERIAL (UG/KG)	HEPTA-CHLOR IN BOTTOM MATERIAL (UG/KG)
MAY 21...	0	9.5	.0	.0	.0	.4	.0	.0	.0

DATE	HEPTA-CHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	LINDANE IN BOTTOM MATERIAL (UG/KG)	MALA-THION IN BOTTOM MATERIAL (UG/KG)	METHYL PARA-THION IN BOTTOM MATERIAL (UG/KG)	METHYL TRI-THION IN BOTTOM MATERIAL (UG/KG)	PARA-THION IN BOTTOM MATERIAL (UG/KG)	PCB IN BOTTOM MATERIAL (UG/KG)	TOX-APHENE IN BOTTOM MATERIAL (UG/KG)	TRI-THION IN BOTTOM MATERIAL (UG/KG)
MAY 21...	.0	.0	.0	.0	.0	.0	110	0	.0

Results based on colony count outside the acceptable range (non-ideal colony count).

STREAMS TRIBUTARY TO ST. LAWRENCE RIVER

04294410 LAKE CHAMPLAIN NEAR CROWN POINT, N.Y.

LOCATION.—Lat 43°55'25", long 73°24'20", Essex County, N.Y.—Addison County, Vt., at midlake at New York-Vermont state line, approximately 1.5 mi (2.4 km) north of Fivemile Point and 2.3 mi (3.7 km) southeast of Crown Point.

PERIOD OF RECORD.—Chemical analyses: August 1969 to June 1975 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1974 TO JUNE 1975

DATE	TIME	DEPTH (FT)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL-DAHL-NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)
OCT. 23...	1130	9.0	.17	.00	.17	.42	.08	205	7.5	9.0	30	12.0
MAY 21...	1000	10	.03	.01	.04	.28	.02	166	8.5	18.0	2	10.6
JUNE 18...	1100	11	.00	.01	.01	.35	.04	180	7.5	20.5	6	8.5

DATE	PERCENT SATURATION	CHLORO-PHYLL A (UG/L)	CHLORO-PHYLL B (UG/L)	FECAL COLIFORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
OCT. 23...	103	.0	.0	89	13	<1	1	<10	30	16	<.5	70
MAY 21...	115	8.8	.0	0	2.3	0	0	10	10	5	<.5	10
JUNE 18...	93	4.6	.0	88	2.9	0	1	10	0	5	<.5	10

PESTICIDE ANALYSES

DATE	ALDRIN IN BOTTOM MA-TERIAL (UG/KG)	CHLOR-DANE IN BOTTOM MA-TERIAL (UG/KG)	DDD IN BOTTOM MA-TERIAL (UG/KG)	DDE IN BOTTOM MA-TERIAL (UG/KG)	DDT IN BOTTOM MA-TERIAL (UG/KG)	DI-AZINON IN BOTTOM MA-TERIAL (UG/KG)	DI-ELDRIN IN BOTTOM MA-TERIAL (UG/KG)	ENDRIN IN BOTTOM MA-TERIAL (UG/KG)	ETHION IN BOTTOM MA-TERIAL (UG/KG)	HEPTA-CHLOR IN BOTTOM MA-TERIAL (UG/KG)
MAY 21...	.0	0	7.4	3.2	1.9	.0	.3	.0	.0	.0

DATE	HEPTA-CHLOR EPOXIDE IN BOTTOM MA-TERIAL (UG/KG)	LINDANE IN BOTTOM MA-TERIAL (UG/KG)	MALA-THION IN BOTTOM MA-TERIAL (UG/KG)	METHYL PARA-THION IN BOTTOM MA-TERIAL (UG/KG)	METHYL TRI-THION IN BOTTOM MA-TERIAL (UG/KG)	PARA-THION IN BOTTOM MA-TERIAL (UG/KG)	PCB IN BOTTOM MA-TERIAL (UG/KG)	TOX-APHENE IN BOTTOM MA-TERIAL (UG/KG)	TRI-THION IN BOTTOM MA-TERIAL (UG/KG)
MAY 21...	.0	.0	.0	.0	.0	.0	16	0	.0

B Results based on colony count outside the acceptable range (non-ideal colony count).

04295000 RICHELIEU RIVER (LAKE CHAMPLAIN) AT ROUSES POINT, N.Y.
(National Stream-Quality Accounting Network Station)

LOCATION.--Lat 44°59'46", long 73°21'37", Clinton County, at gaging station at outlet of Lake Champlain at old railroad bridge in Rouses Point and 1.0 mi (1.6 km) south of Fort Montgomery ruins.

DRAINAGE AREA.--8,277 mi² (21,437 km²).

PERIOD OF RECORD.--Chemical analyses: April 1969 to June 1972, October 1973 to September 1975.

REMARKS.--New York State Water Quality Surveillance Network station number 10 L002.

CHEMICAL ANALYSES, WATER YEAR, OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	DIS-SOLVED SILICA (SiO ₂) (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)	DIS-SOLVED SULFATE (SO ₄) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)
OCT. 22...	1130	.9	17	4.0	4.5	1.2	53	14	6.7
28...	0900	--	--	--	--	--	56	12	6.9
NOV. 12...	0930	.4	16	4.1	5.0	1.0	50	13	6.1
APR. 30...	1000	1.3	17	3.6	4.5	1.0	49	13	7.2
MAY 20...	1000	.7	16	3.7	4.2	1.2	50	11	6.7
JUNE 17...	1600	.3	16	3.6	4.3	1.2	51	12	6.1
JULY 16...	1130	1.0	15	3.2	4.3	1.1	50	11	7.1
AUG. 12...	1200	1.2	17	4.1	4.6	1.1	53	12	4.7
SEP. 09...	1230	1.1	17	4.5	4.6	1.2	57	12	4.7

DATE	DIS-SOLVED FLUORIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)
OCT. 22...	.2	.14	.21	.35	.02	77	75	59	15
28...	--	.16	.47	.63	.01	--	--	--	--
NOV. 12...	.3	1.1	.28	1.4	.00	82	71	57	16
APR. 30...	.1	.21	.26	.47	.04	82	72	57	17
MAY 20...	.2	.16	.26	.42	.02	79	68	55	14
JUNE 17...	.0	.16	.49	.65	.02	98	69	55	13
JULY 16...	.1	1.2	.32	1.5	.03	79	67	51	10
AUG. 12...	.0	.04	.32	.36	.03	75	71	59	16
SEP. 09...	.1	.00	.28	.28	.01	96	73	61	14

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 22...	135	7.3	6.0	3	--	--	81	<1	48
28...	140	--	--	2	--	--	--	--	--
NOV. 12...	150	7.1	8.0	2	--	--	82	--	--
APR. 30...	149	7.5	5.0	2	--	--	81	<1	14
MAY 20...	144	7.4	15.0	1	--	--	2	<1	--
JUNE 17...	142	7.4	18.0	1	--	--	20	83	4.8
JULY 16...	140	7.8	24.0	8	--	--	82	83	--
AUG. 12...	140	8.1	23.5	1	--	--	82000	45	3.4
SEP. 09...	144	7.8	17.0	1	8.6	89	84	82	4.3

8 Results based on colony count outside the acceptable range (non-ideal colony count).

STREAMS TRIBUTARY TO ST. LAWRENCE RIVER

04295000 RICHELIEU RIVER (LAKE CHAMPLAIN) AT ROUSES POINT, N.Y.--Continued

CHEMICAL ANALYSES, WATER YEAR, OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL CALCIUM (CA) (MG/L)	TOTAL MAGNESIUM (MG)	TOTAL SODIUM (NA) (MG/L)	TOTAL POTASSIUM (K) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)
OCT. 28...	15	6.9	4.4	1.0	.16	.00	.15	.32

DATE	TOTAL ORTHOPHOSPHORUS (P) (MG/L)	TOTAL NON-FILTRABLE RESIDUE (MG/L)	FIXED NON-FILTRABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)	RESIDUE ON IGNITION (MG/L)	COLOR (PLATINUM-COBALT UNITS)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)
OCT. 28...	.00	3	3	98	72	6	12

DATE	TIME	TOTAL ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL COBALT (CO) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)
OCT. 22...	1130	1	<1	1	0	<10	0	0	0	10	0	120
APR. 30...	1000	0	0	0	0	0	10	0	0	0	0	60
JUNE 17...	1600	1	1	1	1	20	10	0	0	10	10	150
AUG. 12...	1200	0	0	0	0	<10	0	0	1	10	0	60
SEP. 09...	1230	0	0	0	0	0	0	0	0	0	0	60

DATE	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
OCT. 22...	40	13	0	80	0	<.5	<.5	0	<2	20	20
APR. 30...	10	11	5	10	0	<.5	<.5	0	0	10	0
JUNE 17...	70	8	2	10	10	<.5	<.5	0	0	0	0
AUG. 12...	40	57	42	10	10	<.5	<.5	0	0	0	0
SEP. 09...	20	7	1	10	0	<.5	<.5	1	0	10	0

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	SUSPENDED SEDIMENT (MG/L)	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM
OCT. 22...	1130	2	--
NOV. 12...	0930	4	--
APR. 30...	1000	2	18
MAY 20...	1000	2	76
JUNE 17...	1600	0	100
JULY 16...	1130	7	28
AUG. 12...	1200	3	44
SEP. 09...	1230	2	74

04295000 RICHELIEU RIVER (LAKE CHAMPLAIN) AT ROUSES POINT, N.Y.--Continued

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA

PHYTOPLANKTON, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL COUNT Cells/ml	ORGANISMS IDENTIFIED	PERCENT COMPOSITION	DATE	TOTAL COUNT Cells/ml	ORGANISMS IDENTIFIED	PERCENT COMPOSITION
Oct. 22 1974	1,000	<u>Cyclotella</u>	41	Nov. 12 1974	3,400	<u>Asterionella</u>	43
		<u>Asterionella</u>	32			<u>Fragilaria</u>	36
		<u>Anacystis</u>	15			<u>Stephanodiscus</u>	7
		<u>Stephanodiscus</u>	4			<u>Cyclotella</u>	4
		<u>Nitzschia</u>	1			<u>Cocconeis</u>	3
		<u>Gomphonema</u>	1			<u>Nitzschia</u>	2
		<u>Navicula</u>	1			<u>Oocystis</u>	2
		<u>Synedra</u>	1			<u>Cymbella</u>	1
		<u>Ankistrodesmus</u>	1			<u>Navicula</u>	1
						<u>Rhoicosphenia</u>	1
						<u>Achnanthes</u>	1
Apr. 30 1975	3,300	<u>Cyclotella</u>	82	May 20 1975	1,800	<u>Asterionella</u>	43
		<u>Melosira</u>	8			<u>Cyclotella</u>	25
		<u>Asterionella</u>	5			<u>Diatoma</u>	14
		<u>Navicula</u>	3			<u>Fragilaria</u>	9
		<u>Peridinium</u>	3			<u>Tetraedron</u>	5
						<u>Stephanodiscus</u>	1
						<u>Glenodinium</u>	1
June 17 1975	3,100	<u>Fragilaria</u>	62	July 16 1975	170	<u>Anabaena</u>	55
		<u>Asterionella</u>	21			<u>Cocconeis</u>	9
		<u>Cyclotella</u>	6			<u>Diatoma</u>	9
		<u>Scenedesmus</u>	6			<u>Navicula</u>	9
		<u>Oocystis</u>	4			<u>Schroederia</u>	3
		<u>Navicula</u>	1			<u>Achnanthes</u>	3
		<u>Cocconeis</u>	1			<u>Cymbella</u>	3
						<u>Asterionella</u>	3
		<u>Fragilaria</u>	3				
		<u>Euglena</u>	3				
		<u>Melosira</u>	<1				
		<u>Gomphonema</u>	<1				
		<u>Gyrosigma</u>	<1				
		<u>Nitzschia</u>	<1				
		<u>Agmenellum</u>	<1				
		<u>Anacystis</u>	<1				
Aug. 12 1975	1,800	<u>Anacystis Incerta</u>	35	Sept. 9 1975	5,500	<u>Anabaena</u>	46
		<u>Cyclotella</u>	22			<u>Anacystis</u>	17
		<u>Oscillatoria</u>	18			<u>Dictyosphaerium</u>	13
		<u>Anabaena</u>	8			<u>Oscillatoria</u>	12
		<u>Fragilaria</u>	6			<u>Aphanizomenon</u>	6
		<u>Gloecystis</u>	3			<u>Synedra</u>	2
		<u>Scenedesmus</u>	2			<u>Melosira</u>	1
		<u>Mallomonas</u>	2			<u>Navicula</u>	1
		<u>Ankistrodesmus</u>	1			<u>Nitzschia</u>	1
		<u>Achnanthes</u>	1			<u>Quadrigula</u>	<1
		<u>Navicula</u>	1			<u>Mougeotia</u>	<1
		<u>Nitzschia</u>	1			<u>Cyclotella</u>	<1
		<u>Coelastrum</u>	<1			<u>Cocconeis</u>	<1
		<u>Oocystis</u>	<1			<u>Asterionella</u>	<1
		<u>Tetraedron</u>	<1			<u>Gomphonema</u>	<1
		<u>Eudorina</u>	<1			<u>Gyrosigma</u>	<1
		<u>Staurastrum</u>	<1			<u>Tabellaria</u>	<1
		<u>Melosira</u>	<1			<u>Trachelomonas</u>	<1
		<u>Cocconeis</u>	<1			<u>Ceratium</u>	<1
		<u>Cymbella</u>	<1				
		<u>Gomphonema</u>	<1				
		<u>Pinnularia</u>	<1				
		<u>Dinobryon</u>	<1				
		<u>Gomphosphaeria</u>	<1				
		<u>Ceratium</u>	<1				

PERIPHYTON, SEPTEMBER 1974 TO OCTOBER 1975

SAMPLING METHOD: Polyethylene strip.

PERIOD OF EXPOSURE	BIOMASS DRY WEIGHT (g/m ²)	BIOMASS ASH WEIGHT (g/m ²)	CHLOROPHYLL a (mg/m ²)	CHLOROPHYLL b (mg/m ²)	BIOMASS PIGMENT RATIO
Sept. 26-Oct. 22	1.5	0.80	1.0	0.3	0.7
Oct. 22-Nov. 26	13	12	.2	.2	7000
Apr. 30-May 29	3.5	2.3	8.0	.6	150
July 16-Aug. 12	3.9	1.0	4.6	.8	640
Aug. 12-Sept. 9	3.6	2.4	4.7	1.4	260
Sept. 12-Oct. 15	9.3	6.8	17	2.8	150

< - Less than 1 Percent; may not have been actually counted.

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

BLIND BROOK BASIN

01299030 - BLIND BROOK AT PORT CHESTER NY (LAT 41 01 37 LONG 73 41 23)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	RICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CAC03 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)
MAY 30...	1330	.57	30	9.7	13	3.8	94	0	77	29	27
JUNE 18...	1400	2.5	27	9.1	11	3.2	94	0	77	27	20
JULY 16...	1230	5.0	16	4.1	7.0	3.4	54	0	44	16	13
AUG. 12...	1300	.26	32	11	13	4.6	109	0	89	28	21

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)
MAY 30...	.79	.06	.85	.03	.24	.27	1.1	.05	.03	193	4
JUNE 18...	.85	.03	.88	.33	--	.28	1.2	.07	.05	173	2
JULY 16...	.56	.01	.57	.03	.58	.61	1.2	.11	.06	114	8
AUG. 12...	1.1	.01	1.1	.00	.35	.35	1.5	.05	.04	211	3

DATE	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	IMMEDIATE COLIFORM PER 100 ML	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
MAY 30...	110	38	337	7.4	18.0	1	8.1	86	--	--	--
JUNE 18...	100	28	292	7.6	21.0	2	8.5	96	6700	590	490
JULY 16...	57	13	163	7.4	23.5	7	8.0	95	--	--	--
AUG. 12...	130	36	330	7.3	22.5	0	8.9	102	--	--	--

DATE	TOTAL ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)
JUNE 18...	0	0	10	10	380	3	60	<.5	1	10

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS--Continued

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CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

BLIND BROOK BASIN

01299130 - BLIND BROOK TRIBUTARY AT PORT CHESTER NY (LAT 41 01 28 LONG 73 42 00)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)
MAY 30...											
JUNE 18...	1000	.30	21	7.1	15	2.6	72	0	59	27	29
JULY 16...	0930	1.8	20	7.2	13	2.7	68	0	56	27	22
AUG. 12...	1500	3.1	19	4.7	8.8	3.9	55	0	45	22	16
	1600	.77	25	8.3	16	3.2	98	0	80	28	27

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)
MAY 30...											
JUNE 18...	.40	.01	.41	.03	.33	.36	.77	.04	.02	154	3
JULY 16...	.75	.02	.77	.01	.37	.38	1.2	.06	.04	152	3
AUG. 12...	.75	.03	.78	.09	.61	.70	1.5	.14	.08	136	28
	.45	.01	.46	.00	.34	.34	.80	.04	.01	181	5

DATE	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PFR 100 ML)
MAY 30...											
JUNE 18...	82	23	280	7.1	17.0	1	8.4	88	--	--	--
JULY 16...	80	24	253	7.4	20.5	1	8.6	96	4600	59	160
AUG. 12...	67	22	206	7.3	24.0	25	7.6	91	--	--	--
	97	16	290	7.2	24.0	1	7.7	92	--	--	--

DATE	TOTAL ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL SELF-NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)
JUNE 18...	1	0	10	20	420	2	5800	<.5	0	10

CONTINUED NEXT PAGE

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

BLIND BROOK BASIN

01300000 - BLIND BROOK AT RYE NY (LAT 40 59 00 LONG 73 41 14)

DATE	TIME	INSTANTANEOUS DIS-CHARGE (CFS)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	ALKA-LINITY AS CAC03 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)
MAY 30...	1600	3.5	26	11	24	3.4	99	0	81	31	47
JUNE 18...	1800	8.9	23	9.8	20	3.5	84	0	69	29	36
JULY 16...	1800	14	18	5.7	13	3.8	61	0	50	19	23
AUG. 13...	0900	3.1	29	13	22	4.0	103	0	84	29	40
SEP. 26...	1100	78	11	2.5	4.5	1.7	33	0	27	9.5	7.0

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	TOTAL ORTHO-PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)
MAY 30...	.80	.09	.89	.10	.50	.60	1.5	.07	.04	210	1
JUNE 18...	.93	.04	.97	.04	.53	.57	1.5	.08	.05	197	1
JULY 16...	.76	.03	.79	.08	.53	.61	1.4	.12	.07	151	1
AUG. 13...	.89	.10	.99	.02	.45	.47	1.5	.09	.08	230	1
SEP. 26...	.55	.02	.57	.02	1.2	1.2	1.8	.48	.05	67	192

DATE	HARD-NESS (CA, MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREPTOCOCCI (COL. ONIES PER 100 ML)
MAY 30...	110	29	400	7.4	19.5	1	8.1	89	--	--	--
JUNE 18...	98	29	330	7.5	23.0	1	8.6	101	43000	2100	540
JULY 16...	68	18	235	7.3	24.0	14	7.0	84	--	--	--
AUG. 13...	130	41	370	7.2	22.0	1	5.9	68	--	--	--
SEP. 26...	38	11	92	7.1	15.0	35	9.2	95	845000	833000	88000

DATE	TOTAL ARSENIC (AS) (UG/L)	TOTAL CAD-MIUM (CD) (UG/L)	TOTAL CHRO-MIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	TOTAL LEAD (PR) (UG/L)	TOTAL MAN-GANESE (MN) (UG/L)	TOTAL MERCURY (MG) (UG/L)	TOTAL SELE-NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)
JUNE 18...	1	0	10	10	290	4	50	<.5	1	10
SEP. 26...	10	1	20	60	4500	310	190	<.5	0	150

B Results based on colony count outside the acceptable range (non-ideal colony count).

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS--Continued

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CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SI02) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MANG- NESE (MN) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NESI- UM (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)
STREAMS ON LONG ISLAND											
01302500 - GLEN COVE CREEK AT GLEN COVE NY (LAT 40 51 48 LONG 073 38 05)											
OCT. 1974											
18...	0830	3.8	14	870	130	19	6.1	13	2.0	44	0
JAN. 1975											
08...	1330	5.5	13	840	120	18	6.5	12	2.1	43	0
MAR. 1975											
26...	0930	4.8	13	730	120	20	6.3	16	2.2	51	0
JUNE 1975											
27...	0800	4.4	15	630	110	18	6.3	13	2.2	49	0
SEP. 1975											
29...	1300	7.6	11	980	130	17	5.4	11	2.6	48	0
01303500 - COLD SPRING BROOK AT COLD SPRING HARBOR NY (LAT 40 51 25 LONG 073 27 50)											
OCT. 1974											
18...	1200	3.7	5.5	650	30	3.9	1.6	5.5	.8	14	0
JAN. 1975											
08...	1100	3.7	6.4	520	10	3.7	1.8	5.8	.7	14	0
MAR. 1975											
26...	1315	3.2	5.3	1600	40	4.0	.9	7.3	.8	15	0
JUNE 1975											
27...	1015	3.2	3.9	560	30	3.8	1.6	5.8	.7	17	0
SEP. 1975											
29...	1000	3.7	6.4	800	40	5.0	1.6	5.3	.8	18	0
01304000 - NISSQUOGUE RIVER NEAR SMITHTOWN NY (LAT 40 50 58 LONG 073 13 29)											
OCT. 1974											
08...	1200	36	6.3	300	150	7.6	2.9	14	2.0	--	0
JAN. 1975											
02...	0930	43	7.8	250	40	5.2	2.2	9.0	.9	14	--
APR. 1975											
01...	1330	45	6.7	170	30	8.0	2.2	11	1.1	13	0
JUNE 1975											
24...	1300	41	4.9	680	50	5.2	2.0	8.7	1.1	15	0
01304597 - BIG FRESH POND OUTLET NEAR NORTH SEA NY (LAT 40 55 37 LONG 072 24 56)											
OCT. 1974											
21...	1010	--	4.5	60	100	5.0	2.3	12	1.2	13	0
APR. 1975											
22...	1515	--	1.0	180	140	3.0	1.8	11	1.4	9	0
01304600 - BIG FRESH POND OUTLET AT NORTH SEA NY (LAT 40 55 49 LONG 072 25 04)											
OCT. 1974											
21...	0945	.16	7.7	160	420	8.0	3.4	17	1.2	13	0
APR. 1975											
22...	1545	--	1.8	80	20	3.5	2.0	12	1.4	8	0
01304630 - MILL CREEK AT NOYACK NY (LAT 40 59 35 LONG 072 21 00)											
OCT. 1974											
21...	1045	.49	9.0	70	0	2.7	1.4	6.5	.4	9	0
APR. 1975											
21...	1400	--	8.4	110	10	2.5	1.5	6.5	.7	9	0
01304660 - LIGONEE BROOK AT SAG HARBOR NY (LAT 40 59 21 LONG 072 18 12)											
OCT. 1974											
21...	1110	--	8.3	620	160	5.3	1.8	9.6	1.0	15	0
APR. 1975											
21...	1245	--	7.9	670	140	4.5	1.7	11	1.6	13	0
01304665 - LITTLE NORTHWEST CREEK NEAR SAG HARBOR NY (LAT 40 59 47 LONG 072 15 57)											
OCT. 1974											
21...	1130	.46	11	290	10	3.9	4.0	35	1.6	8	0
APR. 1975											
23...	1330	--	10	140	30	2.5	2.0	18	1.1	7	0

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CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	ALKA-LINITY AS CaCO ₃ (MG/L)	DIS-SOLVED SULFATE (SO ₄) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL Kjeldahl Nitrogen (N) (MG/L)
STREAMS ON LONG ISLAND											
01302500 - GLEN COVE CREEK AT GLEN COVE NY (LAT 40 51 48 LONG 073 38 05)											
OCT.. 1974											
18...	36	25	18	.1	3.3	--	.02	.01	.27	.18	.65
JAN.. 1975											
08...	35	22	18	.1	3.2	--	.01	--	.15	.09	.24
MAR..											
26...	42	23	27	.1	3.4	3.3	.01	.01	.11	.19	.38
JUNE											
27...	40	26	20	.1	4.0	3.6	.01	.01	.06	.29	.35
SEP..											
29...	39	20	15	.1	2.3	1.7	.01	.01	.23	.52	.75
01303500 - COLD SPRING BROOK AT COLD SPRING HARBOR NY (LAT 40 51 25 LONG 073 27 50)											
OCT.. 1974											
18...	11	4.5	7.6	.1	.45	--	.00	.00	.13	.13	.26
JAN.. 1975											
08...	11	4.7	6.1	.0	.84	--	.01	.01	.02	.16	.18
MAR..											
26...	12	3.7	11	.1	.57	.57	.01	.01	.03	.35	.36
JUNE											
27...	14	2.9	8.0	.1	.18	--	.01	.01	.00	.47	.47
SEP..											
29...	15	3.7	7.9	.2	.30	.28	.01	.01	.00	.35	.35
01304000 - NISSQUOGUE RIVER NEAR SMITHTOWN NY (LAT 40 50 58 LONG 073 13 29)											
OCT.. 1974											
08...	--	5.5	10	.0	.99	--	.00	--	.15	.00	.15
JAN.. 1975											
02...	11	9.7	11	.0	1.3	--	.01	.01	.09	.16	.25
APR..											
01...	11	7.2	15	.2	1.2	1.1	.01	.01	.02	.50	.52
JUNE											
24...	12	7.0	11	.1	.95	.58	.02	.01	.05	.20	.25
01304597 - BIG FRESH POND OUTLET NEAR NORTH SEA NY (LAT 40 55 37 LONG 072 24 56)											
OCT.. 1974											
21...	11	11	18	.1	--	.18	--	.00	--	--	--
APR.. 1975											
22...	7	10	17	.2	--	.09	--	.00	--	--	--
01304600 - BIG FRESH POND OUTLET AT NORTH SEA NY (LAT 40 55 49 LONG 072 25 04)											
OCT.. 1974											
21...	11	13	31	.2	--	.22	--	.00	--	--	--
APR.. 1975											
22...	7	10	20	.2	--	.12	--	.01	--	--	--
01304630 - MILL CREEK AT NOYACK NY (LAT 40 59 35 LONG 072 21 00)											
OCT.. 1974											
21...	7	6.1	8.9	.1	--	.04	--	.00	--	--	--
APR.. 1975											
21...	7	5.4	9.0	.2	--	.04	--	.01	--	--	--
01304660 - LIGONEE BROOK AT SAG HARBOR NY (LAT 40 59 21 LONG 072 18 12)											
OCT.. 1974											
21...	12	8.9	14	.0	--	.07	--	.00	--	--	--
APR.. 1975											
21...	11	7.6	16	.0	--	.10	--	.01	--	--	--
01304665 - LITTLE NORTHWEST CREEK NEAR SAG HARBOR NY (LAT 40 59 47 LONG 072 15 57)											
OCT.. 1974											
21...	7	14	57	.2	--	.10	--	.00	--	--	--
APR.. 1975											
23...	6	8.7	28	.3	--	.10	--	.01	--	--	--

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS--Continued

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CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
STREAMS ON LONG ISLAND--Continued											
01302500 - GLEN COVE CREEK AT GLEN COVE NY (LAT 40 51 48 LONG 073 38 05)											
OCT.. 1974											
JAN.. 1975	3.8	.08	.01	134	73	36	225	5.9	12.0	6.5	.1
MAR..	3.4	.04	.01	113	72	36	213	6.8	9.0	9.7	.1
JUNE	3.7	.03	.00	147	76	34	280	7.0	9.0	7.8	.1
SEP..	4.4	.03	.01	141	71	31	260	6.8	14.0	6.5	.1
	3.1	.09	.01	113	65	25	210	6.1	16.0	8.5	.1
01303500 - COLD SPRING BROOK AT COLD SPRING HARBOR NY (LAT 40 51 25 LONG 073 27 50)											
OCT.. 1974											
JAN.. 1975	.71	.03	.01	39	16	5	76	7.0	12.0	7.7	.0
MAR..	1.0	.03	.01	40	17	5	70	6.4	3.0	11.1	.0
JUNE	.96	.04	.00	43	14	1	90	7.1	8.0	8.9	.0
SEP..	.66	.04	.02	36	16	2	75	8.9	23.0	5.3	.0
	.66	.05	.01	41	19	4	--	7.0	17.0	8.4	.0
01304000 - NISSEQUOGUE RIVER NEAR SMITHTOWN NY (LAT 40 50 58 LONG 073 13 29)											
OCT.. 1974											
JAN.. 1975	1.1	.02	.00	--	31	31	90	6.0	12.0	--	.0
APR..	1.5	.01	.00	59	22	11	100	6.7	5.0	11.2	.0
JUNE	1.7	.01	.00	63	29	18	110	6.4	10.0	11.1	.0
	1.2	.01	.00	50	21	9	95	6.6	23.0	7.0	.0
01304597 - BIG FRESH POND OUTLET NEAR NORTH SEA NY (LAT 40 55 37 LONG 072 24 56)											
OCT.. 1974											
APR.. 1975	--	--	--	61	22	11	115	7.3	6.0	--	--
	--	--	--	50	15	8	100	6.4	12.5	--	--
01304600 - BIG FRESH POND OUTLET AT NORTH SEA NY (LAT 40 55 49 LONG 072 25 04)											
OCT.. 1974											
APR.. 1975	--	--	--	88	34	23	160	6.7	7.0	--	--
	--	--	--	55	17	10	107	6.3	13.5	--	--
01304630 - MILL CREEK AT NOYACK NY (LAT 40 50 35 LONG 072 21 00)											
OCT.. 1974											
APR.. 1975	--	--	--	40	13	5	65	7.4	8.0	--	--
	--	--	--	39	12	5	65	6.8	13.0	--	--
01304660 - LIGONEF BROOK AT SAG HARBOR NY (LAT 40 59 21 LONG 072 18 12)											
OCT.. 1974											
APR.. 1975	--	--	--	56	21	8	102	7.3	6.0	--	--
	--	--	--	57	18	8	109	6.4	16.0	--	--
01304665 - LITTLE NORTHWEST CREEK NEAR SAG HARBOR NY (LAT 40 59 47 LONG 072 15 57)											
OCT.. 1974											
APR.. 1975	--	--	--	131	26	20	160	7.3	10.0	--	--
	--	--	--	74	14	9	130	6.3	16.0	--	--

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CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SI02) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HC03) (MG/L)	CAR- BONATE (C03) (MG/L)	ALKAL- LITY AS CAC03 (MG/L)
STREAMS ON LONG ISLAND--Continued												
01304472 - TANBARK CREEK AT THREEMILE HARBOR NY (LAT 40 59 44 LONG 072 11 06)												
OCT.. 1974												
22...	1100	.40	11	1000	100	3.3	1.3	8.2	.6	8	0	7
APR.. 1975												
22...	1045	--	15	470	80	3.1	1.2	10	.9	7	0	6
01304675 - FRESH POND TRIBUTARY AT BARNES HOLE NY (LAT 40 59 51 LONG 072 07 22)												
OCT.. 1974												
22...	1130	.64	10	1100	150	2.5	2.4	11	.6	1	0	1
APR.. 1975												
22...	0900	--	8.8	1000	190	1.5	1.8	11	.7	0	0	0
01304680 - LAKE MONTAUK TRIBUTARY NEAR DITCH PLAINS NY (LAT 41 03 23 LONG 071 55 53)												
APR.. 1975												
23...	0945	--	3.6	440	60	4.5	3.6	14	1.6	7	0	6
01304686 - OYSTER POND TRIBUTARY NEAR MONTAUK POINT NY (LAT 41 03 54 LONG 071 53 14)												
APR.. 1975												
23...	1030	--	3.0	330	30	1.7	2.3	14	.9	1	0	1
01304689 - OYSTER POND TRIBUTARY #2 NEAR MONTAUK POINT NY (LAT 41 03 58 LONG 071 53 06)												
APR.. 1975												
23...	1100	--	8.3	490	70	4.2	3.6	18	1.2	4	0	3
01304493 - HOOK POND TRIBUTARY AT EASTHAMPTON NY (LAT 40 57 34 LONG 072 10 42)												
OCT.. 1974												
22...	1215	.40	10	250	140	13	4.0	19	3.6	27	0	22
APR.. 1975												
22...	1145	--	9.7	480	130	13	3.8	19	3.6	24	0	20
01304697 - GEORGICA POND TRIBUTARY #2 AT MIDHAMPTON NY (LAT 40 57 10 LONG 072 13 48)												
OCT.. 1974												
22...	1015	.18	8.1	150	10	4.5	1.5	61	.8	7	0	6
APR.. 1975												
22...	1315	--	8.0	210	40	3.1	1.4	77	.8	6	0	5
01304700 - GEORGICA POND TRIBUTARY AT MIDHAMPTON NY (LAT 40 57 01 LONG 072 14 20)												
OCT.. 1974												
22...	0945	.10	7.3	340	0	2.9	2.0	6.0	.5	7	--	6
APR.. 1975												
22...	1300	--	8.6	60	20	1.5	1.4	7.9	.8	6	0	5
01304730 - POXAROGUE POND OUTLET AT SAGAPONACK NY (LAT 40 55 48 LONG 072 17 16)												
OCT.. 1974												
22...	0900	1.5	9.4	180	10	21	5.5	11	2.6	17	0	14
APR.. 1975												
21...	1815	--	7.8	460	30	19	4.9	12	3.6	14	0	11
01304733 - HAYGROUND COVE TRIBUTARY #2 AT HAYGROUND NY (LAT 40 55 25 LONG 072 20 08)												
OCT.. 1974												
21...	1400	.17	7.6	0	20	32	7.6	11	3.8	12	0	10
APR.. 1975												
21...	1545	--	4.8	510	90	17	3.8	8.3	3.8	15	0	17
01304734 - HAYGROUND COVE TRIBUTARY AT WATER MILL NY (LAT 40 55 15 LONG 072 20 24)												
OCT.. 1974												
21...	1325	.36	8.5	100	50	21	5.4	7.9	3.8	9	0	6
APR.. 1975												
23...	1415	--	7.2	100	70	17	4.6	8.2	4.2	6	0	5

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS-SOLVED SULFATE (SO ₄) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH	TEMPERATURE (DEG C)
STREAMS ON LONG ISLAND--Continued											
01304672 - TANBARK CREEK AT THREE MILE HARBOR NY (LAT 40 59 44 LONG 072 11 06)											
OCT.. 1974 22... APR.. 1975 22...	6.0	15	.1	.09	.00	50	14	7	75	6.9	11.0
	6.6	15	.0	.11	.01	55	13	7	76	6.2	13.5
01304675 - FRESH POND TRIBUTARY AT BARNES HOLE NY (LAT 40 59 51 LONG 072 07 22)											
OCT.. 1974 22... APR.. 1975 22...	15	19	.2	.03	.00	61	16	15	110	4.6	9.0
	8.8	19	.3	.01	.01	52	11	11	95	4.9	10.0
01304680 - LAKE MONTAUK TRIBUTARY NEAR DITCH PLAINS NY (LAT 41 03 23 LONG 071 55 53)											
APR.. 1975 23...	17	25	.3	.40	.01	75	26	20	138	6.7	13.0
01304686 - OYSTER POND TRIBUTARY NEAR MONTAUK POINT NY (LAT 41 03 54 LONG 071 53 14)											
APR.. 1975 23...	8.5	26	.2	.00	.01	57	14	13	115	5.2	13.0
01304689 - OYSTER POND TRIBUTARY #2 NEAR MONTAUK POINT NY (LAT 41 03 58 LONG 071 53 06)											
APR.. 1975 23...	16	30	.4	.03	.01	84	25	22	154	6.3	13.5
01304693 - HOOK POND TRIBUTARY AT EASTHAMPTON NY (LAT 40 57 34 LONG 072 10 42)											
OCT.. 1974 22... APR.. 1975 22...	20	30	.1	3.7	.03	129	49	27	225	7.4	8.0
	21	29	.0	1.4	.01	117	48	28	218	6.3	13.0
01304697 - GEORGICA POND TRIBUTARY #2 AT MIDHAMPTON NY (LAT 40 57 10 LONG 072 13 48)											
OCT.. 1974 22... APR.. 1975 22...	7.9	98	.1	.03	.00	185	17	12	320	6.0	9.0
	7.9	120	.2	.00	.01	221	14	9	438	6.0	16.5
01304700 - GEORGICA POND TRIBUTARY AT MIDHAMPTON NY (LAT 40 57 01 LONG 072 14 20)											
OCT.. 1974 22... APR.. 1975 22...	6.2	10	.0	.05	.00	38	15	10	60	5.4	9.0
	6.3	12	.1	.35	.01	42	10	5	72	5.8	12.0
01304730 - POXAROGUE POND OUTLET AT SASAPONACK NY (LAT 40 55 48 LONG 072 17 16)											
OCT.. 1974 22... APR.. 1975 21...	43	23	.1	2.3	.00	134	75	61	225	6.9	6.0
	42	23	.1	3.7	.01	136	68	56	230	6.4	12.0
01304733 - HAYGROUND COVE TRIBUTARY #2 AT HAYGROUND NY (LAT 40 55 25 LONG 072 20 08)											
OCT.. 1974 21... APR.. 1975 21...	82	24	.1	6.4	.00	202	110	100	355	5.2	10.5
	40	16	.1	.89	.01	105	58	46	181	6.7	16.0
01304734 - HAYGROUND COVE TRIBUTARY AT WATER MILL NY (LAT 40 55 15 LONG 072 20 26)											
OCT.. 1974 21... APR.. 1975 23...	43	18	.1	3.8	.00	129	75	67	237	5.1	9.0
	37	17	.1	6.7	.01	128	61	56	195	5.9	16.5

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ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SiO ₂) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO ₃) (MG/L)	CAR- BONATE (CO ₃) (MG/L)
STREAMS ON LONG ISLAND--Continued										
01304739 - MILL CREEK AT WATER MILL NY (LAT 40 54 34 LONG 072 21 25)										
OCT., 1974										
21...	1300	1.2	3.1	30	0	33	7.7	9.5	2.1	35
APR., 1975										
23...	1515	--	.1	230	210	26	5.8	9.0	2.8	17
01305500 - SWAN RIVER AT PATCHOGUE NY (LAT 40 46 01 LONG 072 59 39)										
OCT., 1974										
15...	0915	9.0	8.5	130	0	5.7	2.1	7.0	.8	16
JAN., 1975										
02...	1230	11	10	300	70	5.2	1.9	7.0	1.0	14
MAR.,										
24...	1330	14	9.0	170	90	5.4	1.8	7.3	1.2	14
JUNE										
25...	1215	14	10	380	140	5.5	1.8	7.5	1.2	18
01306000 - PATCHOGUE RIVER AT PATCHOGUE NY (LAT 40 45 56 LONG 073 01 16)										
OCT., 1974										
15...	1030	15	9.3	420	40	6.3	2.4	9.5	1.2	20
JAN., 1975										
02...	1300	--	9.9	660	170	7.0	2.5	10	1.4	28
MAR.,										
25...	1030	23	8.2	440	160	6.5	2.5	10	1.5	17
JUNE										
25...	1315	22	9.3	510	70	6.6	2.6	11	1.5	19
01306405 - LAKE RONKONKOMA AT LAKE RONKONKOMA NY (LAT 40 49 57 LONG 073 07 34)										
JAN., 1975										
02...	1045	--	8.8	1200	180	9.2	3.2	13	2.0	24
MAR.,										
24...	1000	--	3.6	680	110	8.5	2.9	14	2.0	22
JUNE										
25...	0915	--	8.2	2100	330	9.2	3.0	14	1.8	32
01306495 - CONNETQUOT RIVER NEAR OAKDALE NY (LAT 40 45 00 LONG 073 08 52)										
OCT., 1974										
25...	1000	15	10	550	790	15	3.4	32	3.0	17
JAN., 1975										
02...	1400	18	11	360	60	4.3	2.4	5.2	.8	15
APR.,										
01...	1100	21	10	170	30	4.6	2.3	5.5	.8	16
JUNE										
24...	1115	21	10	240	40	4.3	2.2	5.8	.8	19
01306499 - CONNETQUOT RIVER NEAR NORTH GREAT RIVER NY (LAT 40 44 51 LONG 073 09 03)										
OCT., 1974										
25...	0815	--	9.7	160	0	4.5	2.4	6.0	.6	17
JAN., 1975										
02...	1500	--	10	410	50	4.0	2.4	6.0	.8	16
APR.,										
01...	1000	--	10	270	30	4.5	2.2	5.8	.8	17
JUNE										
24...	1015	--	9.9	270	40	4.4	2.2	5.9	.9	17
01307000 - CHAMPLIN CREEK AT ISLIP NY (LAT 40 44 13 LONG 073 12 08)										
OCT., 1974										
15...	1300	--	11	180	520	8.4	2.5	13	2.0	13
JAN., 1975										
03...	0945	--	11	550	480	8.5	2.7	13	1.8	19
MAR.,										
25...	1200	--	10	400	410	9.7	2.6	13	2.1	13
JUNE										
24...	0915	--	11	2300	500	8.7	2.6	14	2.2	14
SEP.,										
29...	1030	--	12	520	500	10	2.6	13	2.2	17

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS—Continued

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CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	ALKALINITY AS CaCO ₃ (MG/L)	DIS-SOLVED SULFATE (SO ₄) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)
STREAMS ON LONG ISLAND—Continued											
01304739 - MILL CREEK AT WATER MILL NY (LAT 40 54 34 LONG 072 21 25)											
OCT. 21... 1974	29	69	22	.1	--	.24	--	.00	--	--	--
APR. 23... 1975	14	60	20	.2	--	1.5	--	.01	--	--	--
01305500 - SWAN RIVER AT PATCHOGUE NY (LAT 40 46 01 LONG 072 59 39)											
OCT. 15... 1974	13	8.1	8.8	.1	1.3	1.3	.00	.00	.11	.11	.22
JAN. 02... 1975	11	9.2	7.5	.1	1.4	1.4	.01	.00	.13	.00	.12
MAR. 24... 1975	11	6.8	9.5	.1	1.2	1.3	.01	.01	.07	.18	.25
JUNE 25... 1975	15	8.0	9.9	.1	1.1	.97	.03	.03	.01	.26	.27
01306000 - PATCHOGUE RIVER AT PATCHOGUE NY (LAT 40 45 56 LONG 073 01 16)											
OCT. 15... 1974	16	12	12	.1	1.1	1.1	.00	.00	.12	.11	.23
JAN. 02... 1975	23	12	10	.1	1.4	--	.01	--	.24	.12	.36
MAR. 25... 1975	14	9.5	13	.0	1.3	--	.02	.01	.13	.12	.25
JUNE 25... 1975	16	12	14	.1	1.3	.88	.03	.02	.14	.14	.32
01306405 - LAKE RONKONKOMA AT LAKE RONKONKOMA NY (LAT 40 49 57 LONG 073 07 34)											
JAN. 02... 1975	20	19	16	.1	1.3	.99	.01	.01	.48	.00	.46
MAR. 24... 1975	18	18	19	.0	.68	--	.02	.01	.20	.15	.35
JUNE 25... 1975	26	14	19	.1	.16	--	.02	.02	.26	.40	.66
01306495 - CONNETQUOT RIVER NEAR OAKDALE NY (LAT 40 45 00 LONG 073 08 52)											
OCT. 25... 1974	14	22	54	.0	3.2	3.2	.02	.02	.85	.25	1.1
JAN. 02... 1975	12	11	11	.2	.99	.99	.01	.01	.07	.35	.42
APR. 01... 1975	13	4.9	7.9	.2	1.1	.96	.01	.01	.02	.02	.04
JUNE 24... 1975	16	5.9	6.9	.1	.77	.53	.02	.01	.01	.10	.11
01306499 - CONNETQUOT RIVER NEAR NORTH GREAT RIVER NY (LAT 40 44 51 LONG 073 09 03)											
OCT. 25... 1974	14	6.1	8.8	.1	.85	--	.00	.00	.09	.08	.17
JAN. 02... 1975	13	6.2	6.3	.1	.95	--	.01	.01	.09	.19	.28
APR. 01... 1975	14	5.1	7.0	.1	.91	--	.01	.01	.03	.11	.14
JUNE 24... 1975	14	5.5	6.7	.1	.63	.58	.01	.01	.01	.19	.20
01307000 - CHAMPLIN CREEK AT ISLIP NY (LAT 40 44 13 LONG 073 12 08)											
OCT. 15... 1974	11	19	16	.1	1.5	1.5	.01	.01	1.0	.00	.88
JAN. 03... 1975	16	18	15	.1	1.8	1.7	.01	--	.99	.11	1.1
MAR. 25... 1975	11	17	17	.0	1.9	1.9	.01	--	.73	.22	.95
JUNE 24... 1975	11	20	18	.0	1.1	.89	.03	.02	.64	.00	.58
SEP. 29... 1975	14	18	16	.1	1.7	1.4	.02	.02	.91	.29	1.2

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CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (SUM OF TUFNTS) (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DISSOLVED OXYGEN (MG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
STREAMS ON LONG ISLAND--Continued											
01304739 - MILL CREEK AT WATER MILL NY (LAT 40 54 34 LONG 072 21 25)											
OCT., 1974											
21...	--	--	--	164	110	85	328	7.2	6.0	--	--
APR., 1975											
23...	--	--	--	139	89	75	249	6.6	14.5	--	--
01305500 - SWAN RIVER AT PATCHOGUE NY (LAT 40 46 01 LONG 072 59 39)											
OCT., 1974											
15...	1.5	.02	.01	55	23	10	93	6.0	13.0	7.8	.0
JAN., 1975											
02...	1.5	.03	.01	55	21	9	90	6.9	6.0	11.0	.0
MAR.,											
24...	1.5	.02	.01	54	21	9	87	7.0	10.0	10.1	.0
JUNE											
25...	1.4	.03	.01	57	21	6	87	6.9	21.0	--	.0
01306000 - PATCHOGUE RIVER AT PATCHOGUE NY (LAT 40 45 56 LONG 073 01 16)											
OCT., 1974											
15...	1.3	.02	.01	68	26	9	120	5.7	14.0	6.0	.0
JAN., 1975											
02...	1.8	.03	.01	74	28	5	112	6.2	5.0	11.2	.0
MAR.,											
25...	1.6	.02	.00	66	27	13	112	6.1	9.5	10.8	.0
JUNE											
25...	1.6	.01	.01	70	27	12	118	7.1	24.0	--	.0
01306405 - LAKE RONKONKOMA AT LAKE RONKONKOMA NY (LAT 40 49 57 LONG 073 07 34)											
JAN., 1975											
02...	1.8	.01	.00	87	36	16	165	6.7	3.0	7.1	.1
MAR.,											
24...	1.1	.01	.00	82	33	15	153	6.2	7.5	6.3	.0
JUNE											
25...	.84	.03	.01	85	35	9	145	6.0	21.0	--	.0
01306495 - CONNETQUOT RIVER NEAR OAKDALE NY (LAT 40 45 00 LONG 073 08 52)											
OCT., 1974											
25...	4.3	.03	.00	152	51	38	84	6.7	8.0	6.8	.1
JAN., 1975											
02...	1.4	.04	.02	57	21	8	75	6.2	6.0	10.8	.0
APR.,											
01...	1.1	.01	.01	48	21	8	73	6.7	8.0	11.7	.0
JUNE											
24...	.90	.01	.01	48	20	4	74	7.3	21.0	9.0	.0
01306499 - CONNETQUOT RIVER NEAR NORTH GREAT RIVER NY (LAT 40 44 51 LONG 073 09 03)											
OCT., 1974											
25...	1.0	.03	.01	50	21	7	130	6.7	8.0	7.1	.0
JAN., 1975											
02...	1.2	.04	.01	48	20	7	75	5.4	6.5	10.4	.0
APR.,											
01...	1.1	.03	.01	48	20	6	73	5.8	8.5	10.8	.0
JUNE											
24...	.84	.03	.00	47	20	6	75	6.7	19.5	8.6	.0
01307000 - CHAMPLIN CREEK AT ISLIP NY (LAT 40 44 13 LONG 073 12 08)											
OCT., 1974											
15...	2.4	.04	.01	85	31	21	155	6.0	16.0	5.1	.1
JAN., 1975											
03...	2.9	.04	.00	86	32	17	143	6.3	7.0	6.1	.1
MAR.,											
25...	2.9	.03	.01	86	35	24	150	5.8	11.5	9.1	.1
JUNE											
24...	1.7	.04	.01	87	32	21	155	6.2	14.5	6.5	.1
SEP.,											
29...	2.9	.05	.01	88	36	22	159	5.8	13.5	6.2	.1

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS--Continued

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CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
STREAMS ON LONG ISLAND--Continued											
01307500 - PENATAQUIT CREEK AT RAYSHORE NY (LAT 40 43 34 LONG 073 14 41)											
OCT. 25... 1974											
JAN. 03... 1975	1200	3.7	10	120	20	4.4	2.2	4.8	.5	20	0
MAR. 25... 1975	1045	5.6	10	2400	820	15	3.6	32	2.6	26	0
JUNE 26... 1975	1300	8.2	9.9	630	820	16	3.7	33	3.0	23	0
SEP. 30... 1975	1000	7.6	10	460	860	15	3.5	35	3.1	23	0
	1045	4.6	11	620	1000	18	3.8	38	3.3	25	0
01308000 - SAMPWANS CREEK AT RABYLON NY (LAT 40 42 15 LONG 073 18 52)											
OCT. 24... 1974											
JAN. 03... 1975	1315	6.0	8.1	470	620	12	3.0	17	3.4	12	0
MAR. 31... 1975	1130	15	9.3	470	950	12	3.4	18	3.6	25	0
JUNE 26... 1975	1000	14	7.8	580	1100	13	3.0	17	3.7	19	0
SEP. 30... 1975	1045	18	8.7	250	1000	12	2.8	17	3.7	26	0
	1000	24	9.4	250	870	13	2.9	17	3.7	29	0
01308500 - CARLLS RIVER AT RABYLON NY (LAT 40 42 31 LONG 073 19 44)											
OCT. 23... 1974											
JAN. 03... 1975	1345	17	7.0	280	570	10	3.0	19	2.9	11	0
MAR. 31... 1975	1300	21	7.3	560	660	10	3.0	13	2.7	20	0
JUNE 26... 1975	1130	34	7.3	580	790	12	3.2	21	3.6	26	0
SEP. 29... 1975	1230	31	7.0	400	810	10	3.2	20	3.1	18	0
	1215	23	4.5	360	400	12	2.8	18	3.2	18	0
01309000 - SANTAPOGUE CREEK AT LINDENHURST NY (LAT 40 41 30 LONG 073 21 20)											
OCT. 22... 1974											
MAR. 31... 1975	1415	--	9.6	770	2200	15	4.3	25	4.3	24	0
JUNE 26... 1975	1330	--	6.6	290	850	20	6.7	49	11	94	0
SEP. 29... 1975	1115	--	9.8	230	970	16	4.1	20	4.4	11	0
	1300	--	9.8	800	2600	19	5.3	25	4.8	55	0
01309950 - BELLMORE CREEK NEAR BELLMORE NY (LAT 40 40 43 LONG 073 30 58)											
OCT. 22... 1974											
JAN. 08... 1975	0945	3.6	7.6	280	660	19	3.2	29	6.0	16	0
MAR. 25... 1975	1445	4.1	8.3	350	970	20	3.3	26	4.7	33	0
JUNE 26... 1975	1000	9.9	7.6	380	800	18	3.1	27	5.0	43	0
SEP. 29... 1975	1200	7.8	8.2	260	460	20	3.2	28	5.1	41	0
	1400	5.7	7.6	420	800	19	3.0	25	5.1	22	0
01309990 - BELLMORE CREEK TRIBUTARY AT BELLMORE NY (LAT 40 40 47 LONG 073 30 46)											
OCT. 22... 1974											
JAN. 08... 1975	1130	3.5	12	130	880	19	2.8	30	6.6	12	0
MAR. 25... 1975	1515	1.3	8.6	70	420	24	4.4	28	5.8	44	0
JUNE 26... 1975	1200	3.8	8.9	280	740	21	3.4	27	5.6	49	0
SEP. 30... 1975	1300	4.9	9.8	260	620	21	3.6	30	6.1	52	0
	1145	2.9	10	280	740	21	3.9	30	6.1	52	0

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ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	ALKA-LINITY AS CAC03 (MG/L)	DIS-SOLVED SULFATF (S04) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL OPGANIC NITRO-GEN (N) (MG/L)	TOTAL KJFL-NAHL NITRO-GEN (N) (MG/L)
STREAMS ON LONG ISLAND--Continued											
01307500 - PENATAQUIT CREEK AT RAYSHORE NY (LAT 40 43 34 LONG 073 14 41)											
OCT.. 1974											
25...	16	5.8	6.3	.1	.92	.92	.00	.00	.08	.08	1.8
JAN.. 1975											
03...	21	22	53	.1	3.3	2.8	.02	--	.92	.28	1.2
MAR.											
25...	19	21	56	.0	3.4	2.9	.05	.03	.70	.40	1.1
JUNE											
26...	19	23	59	.1	2.1	1.3	.05	.03	.41	.15	.58
SEP.											
30...	21	22	66	.1	3.0	2.4	.04	.03	.50	.39	.89
01308000 - SAMPAWANS CREEK AT RARYLON NY (LAT 40 42 15 LONG 073 18 52)											
OCT.. 1974											
24...	10	28	22	.0	2.8	2.8	.02	.02	2.1	.00	2.1
JAN.. 1975											
03...	21	32	20	.0	4.8	4.2	.02	.02	3.0	.00	2.9
MAR.											
31...	16	28	19	.1	3.3	3.2	.03	.02	.72	1.9	2.6
JUNE											
26...	21	32	20	.1	2.2	1.6	.02	.01	1.9	.20	2.1
SEP.											
30...	24	28	23	.0	3.3	2.7	.03	.03	2.7	.20	2.9
01308500 - CARLLS RIVER AT RARYLON NY (LAT 40 42 31 LONG 073 19 44)											
OCT.. 1974											
23...	9	24	23	.1	2.6	2.6	.02	.02	1.4	.00	1.4
JAN.. 1975											
03...	16	24	20	.1	2.6	--	.01	--	1.5	.10	1.6
MAR.											
31...	21	27	27	.1	3.4	3.2	.03	.02	2.2	.00	1.8
JUNE											
26...	15	27	26	.1	2.2	--	.05	--	1.0	.10	1.1
SEP.											
29...	15	25	24	.1	2.2	1.8	.03	.02	.53	.57	1.1
01309000 - SANTAPOGUE CREEK AT LINDENHIRST NY (LAT 40 41 30 LONG 073 21 20)											
OCT.. 1974											
22...	20	37	32	.1	1.5	1.5	.03	.03	1.8	.00	1.8
MAR.. 1975											
31...	77	43	66	.1	2.6	2.4	.06	.05	6.0	.00	5.5
JUNE											
26...	9	35	25	.0	8.4	3.9	.04	.03	.65	.32	.97
SEP.											
29...	45	36	32	.0	1.9	1.3	.04	.02	1.9	.50	2.4
01309950 - BELLMORE CREEK NEAR BELLMORE NY (LAT 40 40 43 LONG 073 30 58)											
OCT.. 1974											
22...	13	44	31	.0	5.9	5.9	.11	.10	3.0	.00	2.4
JAN.. 1975											
08...	27	39	27	.1	5.5	5.2	.04	--	2.8	.00	2.7
MAR.											
25...	35	39	31	.1	5.7	--	.06	.04	2.5	.10	2.6
JUNE											
26...	34	43	30	.0	5.9	5.9	.12	--	2.2	.00	1.9
SEP.											
29...	19	39	26	.1	4.8	--	.20	.17	2.3	.40	2.7
01309990 - BELLMORE CREEK TRIBUTARY AT BELLMORE NY (LAT 40 40 47 LONG 073 30 46)											
OCT.. 1974											
22...	10	49	28	.1	11	10	.01	.01	2.0	.00	2.0
JAN.. 1975											
08...	36	46	29	.0	7.4	7.0	.03	--	1.9	.90	2.2
MAR.											
25...	40	40	28	.1	5.6	--	.04	.04	1.9	.30	2.0
JUNE											
26...	43	44	32	.1	5.8	5.8	.03	.02	2.5	.00	1.0
SEP.											
30...	43	41	33	.1	5.2	--	.02	.02	2.5	.50	

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS--Continued

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CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
STREAMS ON LONG ISLAND--Continued											
01307500 - PENATAQUIT CRFFK AT RAYSHORE VY (LAT 40 43 34 LONG 073 14 41)											
OCT.. 1974											
25...											
JAN.. 1975	1.1	.03	.02	48	20	4	300	6.3	13.0	5.8	.0
03...											
MAR..	4.5	.05	.09	163	52	31	310	6.2	7.0	7.6	.1
25...											
JUNE	4.5	.02	.00	157	55	36	314	5.9	13.0	9.9	.1
26...											
SEP..	2.7	.01	.01	156	52	33	333	6.3	15.0	7.1	.1
30...	3.9	.04	.01	185	61	40	342	6.4	13.5	6.4	.1
01308000 - SAMPAWANS CREEK AT BARYLON NY (LAT 40 42 15 LONG 073 18 52)											
OCT.. 1974											
24...											
JAN.. 1975	4.9	.02	.00	112	42	32	215	6.4	12.0	5.7	.3
03...											
MAR..	7.7	.21	.00	129	44	23	227	6.3	7.0	8.0	.3
31...											
JUNE	5.9	.01	.00	115	45	29	215	6.2	8.0	8.3	.2
26...											
SEP..	4.3	.01	.00	116	42	20	225	6.2	15.5	8.8	.2
30...	6.2	.01	.01	123	44	21	215	6.3	13.0	7.7	.2
01308500 - CARLLS RIVER AT BARYLON NY (LAT 40 42 31 LONG 073 19 44)											
OCT.. 1974											
23...											
JAN.. 1975	4.0	.02	.01	106	37	28	210	6.6	9.0	7.8	.2
03...											
MAR..	4.2	.02	.00	102	37	21	220	7.2	3.0	10.8	.1
31...											
JUNE	5.6	.02	.00	128	43	22	235	7.0	6.5	10.0	.2
26...											
SEP..	3.3	.01	.01	116	38	23	213	6.0	20.5	7.7	.1
29...	3.3	.03	.01	106	42	27	200	6.0	18.0	7.5	.1
01309000 - SANTAPOGUE CREEK AT LINDENHURST NY (LAT 40 41 30 LONG 073 21 20)											
OCT.. 1974											
22...											
MAR.. 1975	3.1	.07	.01	146	55	35	280	5.9	12.0	4.9	.2
31...											
JUNE	8.2	.01	.00	259	78	0	500	5.9	10.5	8.7	.2
26...											
SEP..	0.4	.01	.00	137	57	48	258	6.3	15.5	7.4	.1
29...	4.3	.04	.01	165	69	24	311	6.2	16.5	6.0	.2
01309950 - BELLMORE CREEK NEAR BELLMORE NY (LAT 40 40 43 LONG 073 30 58)											
OCT.. 1974											
22...											
JAN.. 1975	8.4	.02	.01	174	61	48	340	5.9	8.0	5.5	.2
08...											
MAR..	8.2	.02	.00	158	64	36	300	6.3	8.5	7.3	.2
25...											
JUNE	8.4	.02	.00	178	58	22	340	6.3	10.0	5.3	.2
26...											
SEP..	7.9	.03	.01	184	63	30	345	5.9	18.0	8.5	.2
29...	7.7	.04	.01	159	60	41	310	6.0	18.0	7.7	--
01309990 - BELLMORE CREEK TRIBUTARY AT BELLMORE NY (LAT 40 40 47 LONG 073 30 46)											
OCT.. 1974											
22...											
JAN.. 1975	13	.00	.00	198	59	49	320	5.9	14.0	7.0	.3
08...											
MAR..	10	.01	.01	199	78	42	350	6.9	9.0	12.6	.2
25...											
JUNE	7.8	.05	.01	184	66	25	350	6.5	13.0	9.0	.2
26...											
SEP..	7.8	.01	.01	198	67	25	330	6.3	19.0	5.6	.2
30...	8.2	.03	.01	198	74	31	355	6.0	17.0	6.2	--

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ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS) (UNITS)	PH (UNITS)	TEMPERATURE (DEG C)	DIS-SOLVED OXYGEN (MG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
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STREAMS ON LONG ISLAND--Continued

01311000 - PINES BROOK AT MALVERNE NY (LAT 40 39 59 LONG 073 39 35)

JAN., 1975											
03...	3.9	.01	.00	198	100	57	346	6.7	1.0	9.0	.1
MAR.											
24...	5.0	.03	.00	197	100	59	380	6.4	8.0	5.8	.1
JUNE											
26...	3.4	.05	.01	188	97	44	345	6.5	18.0	4.2	.1
SEP.											
30...	2.8	.06	.01	173	95	45	310	6.2	20.0	6.2	.1

01311500 - VALLEY STREAM AT VALLEY STREAM NY (LAT 40 39 49 LONG 073 42 18)

JUNE, 1975											
26...	2.2	.19	.05	72	32	4	150	6.5	25.0	2.6	.2
SEP.											
30...	.52	.09	.01	32	17	1	57	6.7	21.0	6.4	.0

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS--Continued

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CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

HUDSON RIVER BASIN

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DIS-SOLVED SILICA (SiO2) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	RICAR-BONATE (MCO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
01333500 - LITTLE HOOSIC RIVER AT PETERSBURG NY (LAT 42 45 50 LONG 073 20 16)											
JAN., 1975											
14...	1100	247	--	1000	30	7.7	1.8	1.6	.4	20	11
APR., 03...	1810	1840	2.6	--	--	6.7	1.2	2.0	.6	15	5.9
01350470 - LITTLE SCHOHARIE CREEK NEAR RENSSELAERVILLE NY (LAT 42 33 40 LONG 074 13 56)											
SEP., 1975											
11...	0845		.88	4.7	--	17	3.0	4.8	.8	62	7.0
01350900 - BEAVERDAM CREEK NEAR KNOX NY (LAT 42 38 57 LONG 074 07 56)											
SEP., 1975											
10...	1510		.36	3.7	--	76	6.5	11	1.1	252	11
01350950 - SWITZ KILL NEAR BERNE NY (LAT 42 36 41 LONG 074 09 24)											
SEP., 1975											
11...	1025		<.10	4.2	--	37	4.0	5.7	1.3	124	12

DATE	RESIDUE ON IGNITION (MG/L)	COLOR (PLATINUM-CORAL TUNITS)	TURBIDITY (JTU)	HARDNESS (CA, MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
01333500 - LITTLE HOOSIC RIVER AT PETERSBURG NY (LAT 42 45 50 LONG 073 20 16)										
JAN., 1975										
14...	58	2	20	27	10	58	--	--	4	1.4
APR., 03...	--	--	--	22	9	52	--	1.0	--	--
01350470 - LITTLE SCHOHARIE CREEK NEAR RENSSELAERVILLE NY (LAT 42 33 40 LONG 074 13 56)										
SEP., 1975										
11...	--	--	--	55	4	136	7.8	10.0	--	--
01350900 - BEAVERDAM CREEK NEAR KNOX NY (LAT 42 38 57 LONG 074 07 56)										
SEP., 1975										
10...	--	--	--	220	10	352	8.1	13.0	--	--
01350950 - SWITZ KILL NEAR BERNE NY (LAT 42 36 41 LONG 074 09 24)										
SEP., 1975										
11...	--	--	--	110	7	261	8.2	14.0	--	--

CONTINUED NEXT PAGE

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL PHOS-GEN (P) (MG/L)	TOTAL ORTHO PHOS-GEN (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF TUENTS) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	TOTAL RESI-DUE (MG/L)
HUDSON RIVER BASIN--Continued											
01333500 - LITTLE HOOSIC RIVER AT PETERSBURG NY (LAT 42 45 50 LONG 073 20 16)											
JAN.. 1975											
14...	2.5	.36	.01	.08	.18	.26	.04	.01	--	24	82
APR..											
03...	4.6	.15	.05	.45	1.6	2.0	.74	.12	31	--	--
01350470 - LITTLE SCHOHARIE CREEK NEAR RENSSELAERVILLE NY (LAT 42 33 40 LONG 074 13 56)											
SEP.. 1975											
11...	5.3	.06	.00	.00	.03	.03	.01	.01	73	--	--
01350900 - BEAVERDAM CREEK NEAR KNOX NY (LAT 42 38 57 LONG 074 07 56)											
SEP.. 1975											
10...	18	.01	.00	.00	.37	.37	.03	.01	252	--	--
01350950 - SWITZ KILL NEAR BERNE NY (LAT 42 36 41 LONG 074 09 24)											
SEP.. 1975											
11...	6.7	.13	.00	.00	.12	.12	.01	.01	132	--	--

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS--Continued

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CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

HUDSON RIVER BASIN

01349855 - SILVER LAKE OUTLET TRIBUTARY NEAR BROOKSBURG NY (LAT 42 19 06 LONG 74 11 45)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)
MAY 29...	0900	.86	3.5	.9	.9	.2	10	0	8	7.4	.4
JUNE 30...	0900	.21	3.2	.9	1.2	.1	14	0	11	4.9	.8
JULY 29...	1100	.10	4.9	1.1	1.3	.5	13	0	11	5.0	1.6
AUG. 25...	0930	.18	4.5	1.3	1.2	.3	12	0	10	5.6	1.4
SEP. 30...	1230	1.3	3.9	.3	1.1	.4	7	0	6	7.1	.4

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)
MAY 29...	.05	.01	.06	.00	.23	.23	.29	.01	.00	16	1
JUNE 30...	.10	.00	.10	.00	.19	.19	.29	.01	.01	24	1
JULY 29...	.11	.00	.11	.00	.15	.15	.26	.01	.01	26	2
AUG. 25...	.08	.01	.09	.00	.13	.13	.22	.01	.01	27	3
SEP. 30...	.43	.01	.44	.01	.15	.16	.60	.01	.01	22	5

DATE	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
MAY 29...	12	4	38	6.6	13.5	1	9.6	96	--	--	--
JUNE 30...	12	0	39	6.5	15.5	1	9.0	96	--	--	--
JULY 29...	17	6	45	6.6	16.5	1	9.2	100	130	27	90
AUG. 25...	17	7	39	6.5	15.5	1	10.2	109	--	--	--
SEP. 30...	11	5	37	6.5	12.0	1	10.8	107	--	--	--

DATE	TOTAL ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)
JULY 29...	0	0	<10	0	50	4	10	<.5	0	0

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ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

HUDSON RIVER BASIN

01349858 - SILVER LAKE OUTLET AT HENSONVILLE NY (LAT 42 17 43 LONG 74 12 48)

DATE	TIME	INSTANTANEOUS DIS-CHARGE (CFS)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-RONATE (HCO3) (MG/L)	CAR-RONATE (CO3) (MG/L)	ALKA-LINITY AS CAC03 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)
MAY 29...	1200	3.0	6.1	1.1	2.6	.1	10	0	8	6.3	4.4
JUNE 30...	1230	1.4	4.0	1.3	3.5	.3	14	0	11	5.2	6.1
JULY 29...	1230	1.6	5.6	1.3	4.3	.3	13	0	11	5.2	7.3
AUG. 25...	1200	1.6	5.2	1.1	3.4	.4	13	0	11	6.2	4.2
SEP. 30...	1100	9.0	4.5	.4	2.6	.4	7	0	6	7.3	3.7

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	TOTAL ORTHO PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)
MAY 29...	.03	.00	.03	.00	.09	.09	.12	.01	.00	29	2
JUNE 30...	.11	.00	.11	.00	.12	.12	.23	.01	.01	41	2
JULY 29...	.07	.00	.07	.00	.12	.12	.19	.01	.01	29	4
AUG. 25...	.04	.01	.05	.00	.11	.11	.16	.01	.01	37	5
SEP. 30...	.20	.01	.21	.01	.14	.15	.36	.01	.01	35	2

DATE	HARD-NESS (CA, MG) (MG/L)	NON-CAR-RONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PER-CENT SATUR-ATION	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL. ONIES PER 100 ML)
MAY 29...	20	12	53	6.9	16.0	1	9.2	99	--	--	--
JUNE 30...	15	4	58	6.9	19.5	1	8.0	101	--	--	45
JULY 29...	19	9	63	6.6	19.0	1	9.0	103	80	818	--
AUG. 25...	18	7	58	6.8	18.0	1	10.2	113	--	--	--
SEP. 30...	13	7	50	6.8	11.0	1	11.4	108	--	--	--

DATE	TOTAL ARSENIC (AS) (UG/L)	TOTAL CAD-MIUM (CD) (UG/L)	TOTAL CHRO-MIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MAN-GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL SELE-NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)
JULY 29...	0	0	<10	0	60	3	0	4.5	0	0

B Results based on colony count outside the acceptable range (non-ideal colony count).

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS—Continued

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CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

HUDSON RIVER BASIN

01349858 - SILVER LAKE OUTLET AT HENSONVILLE NY (LAT 42 17 43 LONG 74 12 48)

DATE	TIME	TOTAL NITRITE PLUS NITRATE IN BOT. MAT. (MG/KG)	TOTAL AMMONIA NITRO-GEN IN BOT. MAT. (MG/KG)	TOTAL KJEL. NITRO-GEN IN BOT. MAT. (MG/KG)	TOTAL PHOS- PHORUS IN BOT. MA- TERIAL (MG/KG)	LOSS ON IGNI- TION IN BOT. MA- TERIAL (MG/KG)	ORGANIC CARBON IN BOT. MA- TERIAL (G/KG)	IN- ORGANIC CARBON IN BOT. MA- TERIAL (G/KG)	TOTAL CYANIDE IN BOT. MA- TERIAL (UG/G)	TOTAL ARSENIC IN BOT. MA- TERIAL (UG/G)
AUG. 25...	1200	10	30	1300	92	46000	56	.0	0	8

DATE	TOTAL CADMIUM IN BOT. MA- TERIAL (UG/G)	TOTAL CHRO- MIUM IN BOT. MA- TERIAL (UG/G)	TOTAL COPPER IN BOT. MA- TERIAL (UG/G)	TOTAL IRON IN BOT. MA- TERIAL (UG/G)	TOTAL LEAD IN BOT. MA- TERIAL (UG/G)	TOTAL MANGA- NESE IN BOT. MA- TERIAL (UG/G)	TOTAL MERCURY IN BOT. MA- TERIAL (UG/G)	TOTAL SELE- NIUM IN BOT. MA- TERIAL (UG/G)	TOTAL ZINC IN BOT. MA- TERIAL (UG/G)
AUG. 25...	0	6	15	8300	18	330	.0	0	53

PESTICIDE ANALYSES

DATE	ALDRIN IN BOT. MA- TERIAL (UG/KG)	CHLOR- DANE IN BOT. MA- TERIAL (UG/KG)	DDD IN BOT. MA- TERIAL (UG/KG)	DDE IN BOT. MA- TERIAL (UG/KG)	DDT IN BOT. MA- TERIAL (UG/KG)	DI- AZINON IN BOT. MA- TERIAL (UG/KG)	DI- ELDRIN IN BOT. MA- TERIAL (UG/KG)	ENDRIN IN BOT. MA- TERIAL (UG/KG)	ETHION IN BOT. MA- TERIAL (UG/KG)	HEPTA- CHLOR IN BOT. MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE IN BOT. MA- TERIAL (UG/KG)
AUG. 25...	.0	0	1.8	.5	.7	.0	.0	.0	.0	.0	.0

DATE	LINDANE IN BOT. MA- TERIAL (UG/KG)	MALA- THION IN BOT. MA- TERIAL (UG/KG)	METHYL PARA- THION IN BOT. MA- TERIAL (UG/KG)	METHYL TRI- THION IN BOT. MA- TERIAL (UG/KG)	PARA- THION IN BOT. MA- TERIAL (UG/KG)	PCB IN BOT. MA- TERIAL (UG/KG)	TOX- APHENE IN BOT. MA- TERIAL (UG/KG)	TRI- THION IN BOT. MA- TERIAL (UG/KG)	2,4-D IN BOT. MA- TERIAL (UG/KG)	2,4,5-T IN BOT. MA- TERIAL (UG/KG)	SILVEX IN BOT. MA- TERIAL (UG/KG)
AUG. 25...	.0	.0	.0	.0	.0	7	0	.0	0	0	0

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CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DELAWARE RIVER BASIN

01425642 - BUTLER BROOK AT DEPOSIT NY (LAT 42 03 40 LONG 75 25 12)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)
MAY 22...	1645	5.5	7.2	2.0	2.8	1.5	18	0	15	10	4.6
JUNE 25...	1600	7.0	8.5	2.2	4.3	2.2	29	0	24	10	5.8
JULY 30...	1330	.32	13	3.8	7.7	2.7	43	0	35	11	10
AUG. 21...	1600	1.7	13	2.7	6.0	2.3	29	0	24	13	8.1
SEP. 16...	1700	3.8	10	1.9	3.3	1.7	25	0	21	11	3.7

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)
MAY 22...	.52	.01	.53	.01	.23	.24	.77	.03	.01	55	1
JUNE 25...	.82	.01	.83	.04	.37	.41	1.2	.04	.02	59	1
JULY 30...	1.3	.02	1.3	.26	.39	.65	2.0	.06	.05	92	2
AUG. 21...	1.2	.01	1.2	.01	.29	.30	1.5	.05	.04	73	11
SEP. 16...	.56	.01	.57	.00	.26	.26	.83	.05	.03	52	16

DATE	HARDNESS (CA, MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
MAY 22...	26	11	80	7.2	20.5	2	8.4	93	--	--	--
JUNE 25...	30	7	102	7.2	26.0	1	7.5	93	11000	83800	350
JULY 30...	48	13	160	6.7	21.0	1	9.9	111	--	--	--
AUG. 21...	44	20	124	7.0	18.0	5	9.2	98	--	--	--
SEP. 16...	33	12	93	8.1	14.0	3	10.4	102	41000	10400	340

DATE	TOTAL ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)
JUNE 25...	0	0	20	0	140	1	20	<.5	0	10
SEP. 16...	0	0	<10	10	230	2	20	<.5	0	10

B Results based on colony count outside the acceptable range (non-ideal colony count).

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DELAWARE RIVER BASIN

01425992 - BONE CREEK ABOVE DEPOSIT NY (LAT 42 03 41 LONG 75 26 10)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
MAY 23...	0830	1.1	6.5	1.9	2.8	1.2	17	0	14	9.6
JUNE 25...	1030	.23	7.5	1.8	2.6	1.3	27	0	22	9.1
JULY 30...	1800	.05	12	3.0	4.7	2.0	32	0	26	11
AUG. 21...	1000	.32	8.2	2.0	2.7	1.5	23	0	19	10
SEP. 16...	1400	.58	7.0	1.0	2.1	1.2	19	0	16	9.0

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
MAY 23...	6.2	.21	.01	.22	.00	.17	.17	.39	.04	.02
JUNE 25...	2.9	.38	.00	.38	.01	.07	.08	.46	.04	.03
JULY 30...	5.2	.87	.00	.87	.00	.22	.22	1.1	.05	.03
AUG. 21...	3.9	.22	.01	.23	.00	.20	.20	.43	.04	.04
SEP. 16...	1.7	.12	.00	.12	.00	.20	.20	.32	.04	.02

DATE	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DFG C)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION
MAY 23...	49	6	24	10	75	7.4	16.0	4	10.0	101
JUNE 25...	46	6	26	4	77	6.6	18.5	1	9.5	101
JULY 30...	71	2	42	16	123	6.9	18.5	1	8.0	87
AUG. 21...	52	1	29	10	77	7.1	14.5	2	9.3	98
SEP. 16...	35	9	22	6	64	7.1	11.0	2	11.0	101

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CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DELAWARE RIVER BASIN

01426000 - OQUAGA CREEK AT DEPOSIT NY (LAT 42 03 31 LONG 75 25 42)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)
MAY 22...	1100	64	6.5	1.9	3.4	.9	13	0	11	11	7.1
JUNE 25...	1245	24	7.8	2.1	5.5	1.1	25	0	21	10	8.0
JULY 30...	1600	9.7	8.9	2.5	6.7	1.1	25	0	21	8.8	9.2
AUG. 21...	1200	22	8.2	2.2	4.4	1.0	22	0	18	10	7.4
SEP. 17...	1000	40	9.0	1.5	3.5	.9	21	0	17	10	5.4

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)
MAY 22...	.15	.01	.16	.00	.15	.15	.31	.01	.00	44	5
JUNE 25...	.42	.01	.43	.01	.22	.23	.66	.01	.01	56	2
JULY 30...	.29	.00	.29	.00	.16	.16	.45	.01	.01	63	3
AUG. 21...	.24	.01	.25	.00	.11	.11	.36	.01	.01	59	1
SEP. 17...	.22	.00	.22	.00	.16	.16	.38	.01	.01	46	16

DATE	HARDNESS (CA, MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
MAY 22...	24	13	75	7.8	16.0	1	10.8	110	--	--	--
JUNE 25...	28	8	97	6.8	23.0	1	9.0	106	2200	164	17
JULY 30...	33	12	118	7.5	25.5	1	9.1	110	--	--	--
AUG. 21...	30	12	88	7.9	18.0	1	10.8	115	--	--	--
SEP. 17...	29	11	76	7.3	14.0	3	11.2	112	1600	90	39

DATE	TOTAL ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)
JUNE 25...	0	0	20	0	120	0	20	<.5	0	10
SEP. 17...	0	0	<10	0	180	3	10	<.5	0	10

B Results based on colony count outside the acceptable range (non-ideal colony count).

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS--Continued

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CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SUSQUEHANNA RIVER BASIN

01501004 - MILL BROOK AT SHERBURNE TURNPIKE AT NEW BERLIN NY (LAT 42 38 13 LONG 75 21 07)

DATE	TIME	INSTANTANEOUS DIS-CHARGE (CFS)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNE- SIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS- SIUM (K) (MG/L)	RICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LITY AS CAC03 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO- RIDE (CL) (MG/L)
MAY 19...											
JUNE 19...	1230	3.1	15	1.7	1.4	.8	49	0	40	8.2	1.1
JULY 14...	1100	.48	27	2.9	2.0	1.1	90	0	74	10	2.8
AUG. 01...	1130	.25	33	3.0	1.9	1.2	104	0	85	8.2	3.6
SEP. 18...	1300	.06	34	3.9	2.1	1.1	114	0	94	8.5	1.3
MAY 19...	1230	.53	25	2.1	1.7	.9	74	0	61	9.3	1.1

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)
MAY 19...	.15	.02	.17	.00	.19	.19	.36	.03	.01	65	5
JUNE 19...	.14	.01	.15	.00	.13	.13	.28	.02	.01	107	6
JULY 14...	.18	.00	.18	.01	.61	.62	.80	.06	.01	121	21
AUG. 01...	.10	.01	.11	.00	.09	.09	.20	.01	.01	116	1
SEP. 18...	.09	.00	.09	.02	.15	.17	.26	.01	.01	113	11

DATE	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
MAY 19...	44	4	109	7.4	16.5	3	8.0	89	5000	816	814
JUNE 19...	79	6	183	7.2	16.0	3	7.6	77	--	--	--
JULY 14...	95	9	218	7.5	16.5	16	7.6	78	--	--	--
AUG. 01...	100	7	227	7.4	19.0	1	6.7	73	490	36	250
SEP. 18...	71	10	160	7.5	12.0	2	9.0	83	--	--	--

DATE	TIME	TOTAL ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CHR- MIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)
MAY 19...	1230	0	0	<10	0	220	0	30	<.5	0	20
AUG. 01...	1300	0	0	0	0	130	0	60	<.5	0	0

8 Results based on colony count outside the acceptable range (non-ideal colony count).

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CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SUSQUEHANNA RIVER BASIN

01501008 - MILL BROOK TRIBUTARY ABOVE NEW BERLIN NY (LAT 42 37 34 LONG 75 21 06)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG)	DISSOLVED SODIUM (NA) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)
MAY 19...	1130	2.9	27	2.3	2.4	.8	84	0	69	12	5.7
JUNE 19...	1000	.60	39	3.7	3.3	1.1	124	0	102	10	5.5
JULY 14...	1000	.63	41	3.8	2.9	1.1	131	0	107	9.8	5.4
AUG. 01...	1130	.19	43	4.7	3.3	1.1	146	0	120	8.9	4.5
SEP. 18...	1130	.61	38	4.8	2.9	1.1	124	0	102	11	3.0

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHOPHOSPHORUS (P) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)
MAY 19...	.80	.01	.81	.00	.20	.20	1.0	.02	.00	114	16
JUNE 19...	.77	.01	.78	.00	.22	.22	1.0	.03	.01	164	6
JULY 14...	.68	.00	.68	.01	.19	.20	.88	.03	.01	148	10
AUG. 01...	.64	.01	.65	.00	.16	.16	.81	.01	.01	154	1
SEP. 18...	.37	.00	.37	.01	.21	.22	.59	.01	.01	169	15

DATE	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	PERCENT SATURATION	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
MAY 19...	77	8	187	7.5	16.5	4	8.8	89	2500	818	84
JUNE 19...	110	11	268	7.4	18.0	2	7.2	76	--	--	--
JULY 14...	120	11	270	7.8	17.5	7	8.1	84	--	--	--
AUG. 01...	130	7	292	7.8	19.0	1	7.4	80	8960	250	240
SEP. 18...	110	13	243	7.8	13.0	5	9.4	89	--	--	--

DATE	TIME	TOTAL ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL SELENIUM (SF) (UG/L)	TOTAL ZINC (ZN) (UG/L)
MAY 19...	1130	0	0	<10	0	170	0	20	<.5	0	10
AUG. 01...	1130	0	0	10	0	70	0	0	<.5	0	0

B Results based on colony count outside the acceptable range (non-ideal colony count).

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS-Continued

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CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SUSQUEHANNA RIVER BASIN

01513716 - EAST BRANCH NANTICOKE CREEK TRIBUTARY NEAR GLEN AUBREY NY (LAT 42 17 29 LONG 76 00 24)

DATE	TIME	INSTANTANEOUS DIS-CHARGE (CFS)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
MAY 28...										
JUNE 18...	0930	1.7	12	2.5	2.7	1.0	35	0	29	11
SEP. 09...	0900	.70	13	2.7	2.9	1.0	44	0	36	9.3
	0900	.89	17	3.2	4.4	1.3	49	0	40	11

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
MAY 28...										
JUNE 18...	2.3	.22	.01	.23	.01	.20	.21	.44	.02	.00
SEP. 09...	1.9	.26	.01	.27	.00	.31	.31	.58	.02	.01
	3.5	.44	.01	.45	.03	.11	.14	.59	.04	.01

DATE	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS) (MG/L)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION
MAY 28...										
JUNE 18...	54	1	40	12	102	7.6	15.0	2	9.7	95
SEP. 09...	72	2	44	7	99	7.6	19.5	2	7.8	86
	79	25	56	15	128	7.9	13.5	15	9.6	91

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ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SUSQUEHANNA RIVER BASIN

01513720 - EAST BRANCH NANTICOKE CREEK AT GLEN AUBREY NY (LAT 42 15 26 LONG 76 00 38)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
MAY 28...	1030	4.4	14	2.7	5.0	1.7	38	0	31	13
JUNE 18...	1000	2.5	16	3.3	7.4	2.1	51	0	42	12
JULY 14...	1300	.47	20	3.7	11	2.8	63	0	52	9.5
AUG. 06...	0900	.86	19	4.0	11	3.0	60	0	49	13
SEP. 09...	1030	7.7	14	3.1	5.8	2.1	39	0	32	14

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
MAY 28...	8.4	.44	.01	.45	.03	.24	.27	.72	.03	.01
JUNE 18...	12	.44	.04	.48	.09	.36	.45	.93	.06	.02
JULY 14...	21	.08	.01	.09	.03	.34	.37	.46	.08	.02
AUG. 06...	14	.16	.05	.21	.03	.34	.37	.58	.04	.04
SEP. 09...	7.5	.32	.01	.33	.04	.28	.32	.65	.05	.03

DATE	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION
MAY 28...	78	2	46	15	136	7.0	16.0	1	9.5	96
JUNE 18...	108	6	54	12	163	6.9	22.0	3	7.2	82
JULY 14...	113	4	65	14	205	7.8	23.0	6	9.6	110
AUG. 06...	103	2	64	15	187	7.1	20.5	2	7.1	78
SEP. 09...	89	24	48	16	134	7.3	14.0	5	9.4	90

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS--Continued

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CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SUSQUEHANNA RIVER BASIN

01513755 - CROCKER CREEK NEAR EAST NEWARK NY (LAT 42 11 14 LONG 76 07 21)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)
JUNE 18...	1300	1.1	12	2.4	5.5	1.7	35	0	29	12	7.6
JULY 17...	0830	.13	15	2.9	6.9	2.1	43	0	35	10	8.8
AUG. 06...	1100	.66	16	3.7	8.5	2.6	45	0	37	12	10
SEP. 09...	1300	3.9	16	3.1	6.2	2.2	42	0	34	14	7.5

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)
JUNE 18...	.18	.01	.19	.00	.29	.29	.48	.02	.01	78	9
JULY 17...	.21	.00	.21	.01	.16	.17	.38	.03	.01	74	2
AUG. 06...	.36	.01	.37	.00	.24	.24	.61	.01	.01	83	1
SEP. 09...	.08	.00	.08	.02	.25	.27	.35	.03	.01	88	22

DATE	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	IMMEDIATE COLIFORM (COL PER 100 ML)	FECAL COLIFORM (COL PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
JUNE 18...	40	11	120	8.6	29.0	1	8.4	108	--	--	--
JULY 17...	49	14	137	7.1	22.0	7	9.8	111	--	--	--
AUG. 06...	55	18	154	7.6	19.5	1	8.1	89	2500	490	2700
SEP. 09...	53	18	133	7.8	16.0	2	10.4	105	--	--	--

DATE	TIME	TOTAL ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)
AUG. 06...	1100	0	0	<10	0	50	1	10	<.5	1	0

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ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SUSQUEHANNA RIVER BASIN

01513790 - NANTICOKE CREEK AT UNION CENTER NY (LAT 42 08 56 LONG 76 04 00)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
MAY 28...	1130	28	15	2.8	4.6	1.6	40	0	33	14
JUNE 18...	1100	18	16	3.2	5.7	1.5	47	0	39	15
JULY 14...	1430	4.3	24	4.0	7.8	1.7	71	0	58	22
AUG. 06...	1000	7.0	23	4.5	7.3	1.9	65	0	53	14
SEP. 09...	1130	67	14	3.1	5.6	2.2	37	0	30	12

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
MAY 28...	8.2	.53	.01	.54	.02	.24	.26	.80	.02	.01
JUNE 18...	10	.42	.01	.43	.00	.24	.24	.67	.02	.01
JULY 14...	7.1	.40	.01	.41	.00	.49	.49	.90	.03	.01
AUG. 06...	11	.24	.01	.25	.01	.18	.19	.44	.01	.01
SEP. 09...	8.3	.35	.01	.36	.01	.20	.21	.57	.04	.01

DATE	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS) (UNITS)	PH	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION
MAY 28...	74	2	49	16	146	7.4	18.0	1	9.5	100
JUNE 18...	96	6	53	15	160	7.6	24.0	1	8.5	100
JULY 14...	167	5	76	18	215	8.4	23.0	10	9.4	111
AUG. 06...	107	1	76	23	188	7.5	21.0	1	7.7	83
SEP. 09...	93	14	48	17	140	7.4	15.0	1	10.2	100

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS--Continued

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CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SUSQUEHANNA RIVER BASIN

01530380 - NEWTOWN CREEK AT BREESPORT NY (LAT 42 10 20 LONG 76 44 01)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
MAY 23...										
JUNE 12...	1000	7.3	22	4.3	5.8	1.4	55	0	45	19
JULY 09...	1030	9.8	15	2.8	5.4	1.3	48	0	39	16
JULY 31...	0930	1.6	33	7.6	7.5	1.7	116	0	95	23
SEP 08...	0930	3.0	28	6.7	9.5	1.7	93	0	76	19
SEP 08...	1030	4.4	21	5.0	7.0	1.6	69	0	57	18

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
MAY 23...										
JUNE 12...	10	.26	.01	.27	.01	.03	.04	.31	.01	.01
JULY 09...	9.6	.21	.01	.22	.00	.18	.18	.40	.01	.00
JULY 31...	13	.55	.01	.56	.00	.09	.09	.65	.01	.01
SEP 08...	14	.30	.01	.31	.00	.10	.10	.41	.01	.01
SEP 08...	11	.19	.00	.19	.00	.14	.14	.33	.01	.01

DATE	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS) (MG/L)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION
MAY 23...										
JUNE 12...	89	2	73	28	165	8.2	19.0	1	9.0	97
JULY 09...	85	5	49	10	152	7.5	19.0	2	9.0	97
JULY 31...	180	2	110	19	295	8.0	19.5	1	9.3	98
SEP 08...	165	2	98	21	242	8.3	20.0	0	9.0	98
SEP 08...	107	2	73	16	194	8.5	18.0	1	9.7	102

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ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SUSQUEHANNA RIVER BASIN

01530390 - JACKSON CREEK AT BREESEPORT NY (LAT 42 10 24 LONG 76 44 04)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
MAY 23...	1100	1.8	21	4.8	4.9	1.4	69	0	57	18
JUNE 12...	1130	4.1	16	2.7	4.3	1.2	51	0	42	14
JULY 09...	1030	.41	34	7.2	6.8	1.9	122	0	100	21
JULY 31...	1030	.57	32	7.3	7.7	1.6	116	0	95	18
* SEP. 08...	1100	1.2	25	6.0	6.4	1.7	88	0	72	18

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
MAY 23...	7.4	.36	.01	.37	.01	.07	.08	.45	.01	.00
JUNE 12...	6.8	.25	.01	.26	.00	.10	.10	.36	.01	.00
JULY 09...	10	.59	.01	.60	.00	.08	.08	.68	.01	.01
JULY 31...	11	.34	.00	.34	.00	.11	.11	.45	.01	.01
SEP. 08...	9.1	.34	.00	.34	.00	.14	.14	.48	.01	.01

DATE	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS) (MG/L)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION
MAY 23...	98	3	72	16	180	8.0	18.5	1	8.6	90
JUNE 12...	85	6	51	9	147	7.6	18.0	8	9.1	96
JULY 09...	164	0	110	14	270	8.1	21.0	1	8.4	93
JULY 31...	186	0	110	15	275	8.3	20.0	1	9.0	98
SEP. 08...	121	1	87	15	222	8.3	17.0	1	9.6	99

* Sep. 8 Dissolved Solids, Sum - 113 mg/l, Dissolved Silica (SiO2) - 3.6 mg/l

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS--Continued

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CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SUSQUEHANNA RIVER BASIN

01530425 - NORTH BRANCH NEWTOWN CREEK NEAR HORSEHEADS NY (LAT 42 11 15 LONG 76 47 23)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
MAY 23...	0900	4.8	29	6.4	7.2	2.3	85	0	70	23
JUNE 12...	0900	15	23	4.3	6.7	1.9	80	0	66	21
JULY 09...	0830	1.2	36	8.2	9.0	2.4	123	0	101	25
JULY 31...	0830	1.9	34	8.5	10	2.1	123	0	101	23
SEP 08...	0900	2.4	35	9.2	9.6	2.0	123	0	101	24

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
MAY 23...	8.2	.22	.01	.23	.01	.07	.08	.31	.01	.00
JUNE 12...	10	.37	.01	.38	.00	.13	.13	.51	.01	.00
JULY 09...	12	.02	.00	.02	.00	.07	.07	.09	.00	.01
JULY 31...	16	.03	.00	.03	.00	.13	.13	.16	.01	.01
SEP 08...	14	.19	.00	.19	.00	.08	.08	.27	.01	.01

DATE	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION
MAY 23...	138	2	99	29	218	7.7	19.0	0	9.0	97
JUNE 12...	125	5	75	10	215	7.6	20.0	2	9.1	99
JULY 09...	181	2	120	23	282	7.8	23.0	1	9.0	103
JULY 31...	189	2	120	19	288	8.0	20.5	0	9.3	102
SEP 08...	143	1	130	24	305	8.1	17.0	1	8.9	92

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ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SUSQUEHUNNA RIVER BASIN

01530444 - BEAVER BROOK AT HORSEHEADS NY (LAT 42 09 14 LONG 76 48 37)

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)
MAY 23...	1230	2.5	59	11	11	1.0	192	0	157	37
JUNE 12...	1300	2.3	56	12	12	1.1	198	0	162	34
JULY 17...	1030	.72	55	13	11	1.9	191	0	157	32
AUG. 06...	1300	.95	51	13	13	2.4	189	0	155	30
SEP. 08...	1230	.24	54	13	11	2.1	202	0	166	34

DATE	DIS- SOLVED CHLOR- IDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)
MAY 23...	21	.41	.01	.42	.01	.20	.21	.63	.04	.02
JUNE 12...	23	.36	.01	.37	.01	.30	.31	.68	.04	.01
JULY 17...	19	.03	.01	.04	.09	.32	.41	.45	.08	.03
AUG. 06...	19	.00	.01	.00	.05	.46	.51	.51	.06	.05
SEP. 08...	18	.00	.07	.03	.02	.37	.39	.42	.05	.03

DATE	DIS- SOLVED SOLIDS (RESI- DUCE AT 180 C) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION
MAY 23...	254	4	190	35	470	7.7	20.0	4	8.0	91
JUNE 12...	275	22	190	27	455	7.3	19.0	5	9.3	100
JULY 17...	257	9	190	34	435	7.0	21.0	12	5.5	61
AUG. 06...	253	3	180	26	430	7.1	24.0	2	7.2	84
SEP. 08...	264	6	190	23	445	7.4	18.5	2	5.3	57

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

SUSQUEHANNA RIVER BASIN

01530500 - NEWTOWN CREEK AT ELMIRA NY (LAT 42 06 15 LONG 76 47 55)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)
MAY 23...											
JUNE 12...	1330	42	65	13	29	2.0	190	0	156	36	47
JULY 17...	1330	52	53	12	29	1.8	179	0	147	32	45
AUG. 06...	1130	34	100	21	64	2.7	279	0	229	44	160
SEP. 08...	1400	24	73	18	44	2.6	251	0	206	39	67
	1330	12	76	16	39	2.4	245	0	201	35	76

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KjELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)
MAY 23...											
JUNE 12...	1.5	.05	1.5	.00	--	--	--	.07	--	296	7
JULY 17...	1.4	.04	1.4	.01	.26	.27	1.7	.09	.05	299	20
AUG. 06...	1.2	.01	1.2	.01	.45	.45	1.7	.09	.03	638	21
SEP. 08...	.27	.03	.30	.04	.46	.50	.80	.09	.10	415	16
	1.2	.01	1.2	.01	.16	.17	1.4	.08	.05	430	37

DATE	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
MAY 23...											
JUNE 12...	220	60	555	7.8	21.5	3	7.3	82	32000	81400	8120
JULY 17...	180	35	520	7.6	19.0	2	9.0	97	--	--	--
AUG. 06...	340	110	1010	7.7	22.0	21	6.2	70	--	--	--
SEP. 08...	260	51	720	7.7	20.0	9	7.3	79	7700	83000	2000
	260	55	705	7.7	18.5	6	7.0	74	--	--	--

DATE	TIME	TOTAL ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)
MAY 23...	1330										
AUG. 06...	1330	1	1	20	20	370	3	60	1.0	0	10
	1400	0	0	<10	10	670	8	50	<.5	0	10

Results based on colony count outside the acceptable range (non-ideal colony count).

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ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

ALLEGHENY RIVER BASIN

03012815 - CONEWANGO CREEK AT KENDALL CORNERS NY (LAT 42 19 13 LONG 78 57 18)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	RICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)
MAY 13...	1430	14	21	2.8	4.6	1.0	64	0	53	15	6.1
JUNE 16...	1430	19	21	3.2	4.0	1.7	62	0	51	12	5.9
JULY 15...	1430	4.0	33	4.3	5.6	1.5	102	0	84	13	8.9
AUG. 04...	1400	4.4	31	5.1	8.6	2.4	98	0	80	12	10
SEP. 10...	1330	4.0	33	4.6	6.0	1.5	99	0	81	12	7.3

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)
MAY 13...	.35	.01	.36	.00	.16	.16	.52	.04	.01	100	40
JUNE 16...	.46	.01	.47	.03	.50	.53	1.0	.08	.02	104	46
JULY 15...	.21	.01	.22	.01	.37	.38	.60	.06	.03	137	28
AUG. 04...	.30	.05	.35	.05	.52	.57	.92	.05	.05	152	73
SEP. 10...	.37	.01	.38	.03	.23	.26	.64	.05	.03	144	27

DATE	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREP TOCOCCHI (COLONIES PER 100 ML)
MAY 13...	64	11	177	7.4	12.0	5	11.2	108	450	350	55
JUNE 16...	66	15	156	7.1	21.0	14	7.7	85	--	--	--
JULY 15...	100	16	233	7.9	24.0	20	10.0	118	--	--	--
AUG. 04...	98	18	238	7.3	23.0	50	7.3	83	845000	835000	813000
SEP. 10...	100	20	233	7.7	16.0	21	7.1	70	--	--	--

DATE	TIME	TOTAL ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)
MAY 13...	1430	0	1	0	0	1200	1	70	<.5	0	10
AUG. 04...	1400	2	0	<10	0	3500	13	110	<.5	0	10

B Results based on colony count outside the acceptable range (non-ideal colony count).

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS--Continued

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CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

ALLEGHENY RIVER BASIN

03012831 - JOHNSON CREEK AT MARKHAMS NY (LAT 42 23 50 LONG 78 59 59)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)
MAY 13...	1600	5.4	24	4.2	15	1.1	77	0	63	8.7	30
JUNE 17...	0800	9.9	24	4.6	15	1.1	81	0	66	6.8	27
JULY 16...	0830	1.2	38	7.0	29	.5	115	0	94	3.5	61
AUG. 05...	0830	1.7	34	6.5	30	1.3	107	0	88	3.3	51
SEP. 10...	1430	1.5	24	4.0	14	1.2	86	0	71	3.8	23

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)
MAY 13...	.00	.00	.00	.01	.62	.63	.63	.08	.04	158	10
JUNE 17...	.00	.00	.00	.00	.59	.59	.59	.06	.03	166	2
JULY 16...	.01	.00	.01	.06	.64	.70	.71	.09	.05	242	4
AUG. 05...	1.9	.01	1.9	.00	.70	.70	2.6	.05	.04	222	5
SEP. 10...	.00	.01	.01	.01	.85	.86	.87	.08	.03	166	7

DATE	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
MAY 13...	77	14	252	6.7	17.0	2	6.6	68	240	58	66
JUNE 17...	79	12	225	6.6	19.0	1	8.1	87	--	--	--
JULY 16...	120	29	400	6.8	20.0	9	2.0	22	--	--	--
AUG. 05...	110	24	370	6.7	20.0	2	1.8	20	210	130	180
SEP. 10...	76	6	238	6.8	15.5	1	6.2	60	--	--	--

DATE	TIME	TOTAL ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)
MAY 13...	1600							50	<.5	0	10
AUG. 05...	0830	1	0	0	10	720	0	130	<.5	0	0
		0	0	<10	0	660	0				

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ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

ALLEGHENY RIVER BASIN

03012834 - CONEWANGO CREEK BELOW SOUTH DAYTON NY (LAT 42 20 12 LONG 79 02 28)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
MAY 13...	1330	75	33	5.3	5.2	1.3	105	0	86	20
JUNE 17...	0900	E200	28	5.3	5.3	1.1	96	0	79	13
JULY 16...	1000	13	53	9.5	13	3.1	169	0	139	30
AUG. 05...	1100	35	41	8.1	9.3	2.2	139	0	114	16
SEP. 11...	1030	24	52	8.0	8.3	2.1	155	0	127	30

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
MAY 13...	8.0	.21	.01	.22	.01	.40	.41	.63	.05	.02
JUNE 17...	8.8	.16	.01	.17	.10	.54	.64	.81	.09	.03
JULY 16...	21	.51	.06	.57	.05	.46	.51	1.1	.14	.08
AUG. 05...	14	.41	.04	.45	.01	.52	.53	.98	.05	.05
SEP. 11...	12	.68	.02	.70	.01	.30	.31	1.0	.05	.03

DATE	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION
MAY 13...	151	27	100	18	250	7.2	13.0	7	8.6	#1
JUNE 17...	143	44	92	13	212	6.9	20.0	12	7.4	#1
JULY 16...	241	20	170	33	415	7.4	20.0	13	7.6	#3
AUG. 05...	190	25	140	22	320	7.3	20.0	12	6.9	#5
SEP. 11	234	22	160	36	370	7.6	15.0	11	8.6	#4

E Estimated value.

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS--Continued

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CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

ALLEGHENY RIVER BASIN

03012838 - WEST BRANCH CONEWANGO CREEK NEAR HAMLET NY (LAT 42 22 15 LONG 79 09 36)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)
MAY 14...	0830	15	22	4.5	2.4	.8	72	0	59	13	6.8
JUNE 16...	1600	E50	22	3.7	2.0	.7	68	0	56	7.9	3.7
JULY 15...	1530	2.4	34	5.7	3.1	.8	116	0	95	9.6	5.7
AUG. 05...	0930	5.1	34	6.5	5.1	1.3	112	0	92	10	5.8
SEP. 11...	0900	2.8	30	5.1	3.4	.9	106	0	87	8.9	4.5

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)
MAY 14...	.49	.01	.50	.01	.32	.33	.83	.03	.01	115	13
JUNE 16...	.31	.01	.32	.00	.32	.32	.64	.06	.03	113	8
JULY 15...	.33	.01	.34	.00	.39	.39	.73	.08	.03	141	3
AUG. 05...	--	--	--	--	--	--	--	--	--	133	2
SEP. 11...	.16	.01	.17	.00	.32	.32	.49	.04	.02	147	6

DATE	HARDNESS (CA, MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
MAY 14...	73	14	166	6.7	11.0	2	8.8	79	B1000	480	42
JUNE 16...	70	14	144	6.8	22.0	2	8.1	92	--	--	--
JULY 15...	110	13	246	7.1	23.0	8	7.6	87	--	--	--
AUG. 05...	110	20	234	7.0	19.0	2	6.4	69	B11000	B9200	5000
SEP. 11...	96	9	223	7.4	13.0	4	7.3	69	--	--	--

DATE	TIME	TOTAL ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)
MAY 14...	0830	1	0	10	10	410	1	60	<.5	0	10
AUG. 05...	0930	0	0	<10	0	270	1	50	<.5	0	0

B Results based on colony count outside the acceptable range (non-ideal colony count).

E Estimated value.

CONTINUED NEXT PAGE

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

ALLEGHENY RIVER BASIN

03012850 - STATE DRAINAGE DITCH AT CONEWANGO VALLEY NY (LAT 42 14 19 LONG 79 03 16)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
MAY 13...	1130	E160	38	5.8	4.5	1.0	120	0	98	26
JUNE 16...	1330	E280	31	5.3	3.5	1.3	104	0	85	15
JULY 15...	1330	E35	60	10	5.2	1.3	187	0	153	33
AUG. 04...	1300	E74	52	9.4	5.2	2.1	159	0	130	31
SEP. 10...	1300	E54	61	8.9	5.1	1.4	176	0	144	30

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
MAY 13...	9.9	.34	.01	.35	.03	.30	.33	.68	.06	.03
JUNE 16...	6.2	.46	.02	.48	.03	.74	.77	1.3	.12	.03
JULY 15...	8.4	.22	.00	.22	.00	.32	.32	.54	.04	.02
AUG. 04...	7.4	.58	.07	.65	.04	.50	.54	1.2	.04	.04
SEP. 10...	7.1	.51	.01	.52	.02	.31	.33	.85	.05	.03

DATE	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS) (MG/L)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION
MAY 13...	197	25	120	20	275	7.1	13.0	5	8.6	81
JUNE 16...	146	71	99	14	223	7.1	21.0	23	6.5	72
JULY 15...	263	1	190	38	410	7.5	24.0	10	6.8	77
AUG. 04...	224	19	170	38	352	7.2	23.5	14	6.5	76
SEP. 10...	265	11	190	45	385	7.4	14.0	5	7.7	74

E Estimated value.

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS--Continued

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CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

ALLEGHENY RIVER BASIN

03012880 - CLEAR CREEK NEAR THORNTON NY (LAT 42 14 56 LONG 79 08 33)

DATE	TIME	INSTANTANEOUS DIS-CHARGE (CFS)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
MAY 14...										
JUNE 16...	1030	14	17	2.7	1.3	.8	55	0	45	13
JULY 15...	1300	32	17	2.3	1.5	1.0	46	0	38	13
AUG. 04...	1230	1.6	29	3.5	1.9	1.1	86	0	71	12
SEP. 10...	1200	8.8	--	--	--	--	70	0	57	12
	1200	3.1	27	3.5	3.0	1.2	76	0	62	12

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)
MAY 14...										
JUNE 16...	3.3	.54	.01	.55	.00	.20	.20	.75	.01	.00
JULY 15...	3.7	.35	.01	.36	.00	.24	.24	.60	.02	.01
AUG. 04...	3.9	.36	.00	.36	.01	.21	.22	.58	.01	.01
SEP. 10...	3.5	.38	.01	.39	.00	.14	.14	.53	.01	.01
	3.6	.52	.00	.52	.00	.16	.16	.68	.04	.01

DATE	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION
MAY 14...										
JUNE 16...	80	9	54	8	134	7.1	11.0	1	10.3	97
JULY 15...	100	4	52	14	122	7.5	21.0	1	7.8	87
AUG. 04...	106	2	87	16	193	7.0	19.5	10	7.3	79
SEP. 10...	91	4	--	--	172	6.8	20.0	2	8.2	89
	117	3	82	20	185	7.6	15.5	1	10.1	100

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ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

STREAMS TRIBUTARY TO LAKE ONTARIO

04232163 - CATHERINE CREEK NEAR SULLIVANVILLE NY (LAT 42 14 05 LONG 76 47 39)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)
JULY											
08...	1000	.07	19	4.9	5.8	2.1	70	0	57	20	5.9
30...	0830	.14	22	5.4	10	2.0	65	0	53	18	5.2
SEP.											
05...	0900	.16	25	6.0	11	1.8	67	0	55	19	6.7

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAML NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)
JULY											
08...	.25	.00	.25	.00	.17	.17	.42	.01	.01	106	9
30...	.36	.00	.36	.00	.15	.15	.51	.01	.01	111	1
SEP.											
05...	.10	.00	.10	.00	.11	.11	.21	.01	.01	105	1

DATE	HARDNESS (CA, MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
JULY											
08...	68	10	183	7.0	19.0	1	6.1	66	--	--	--
30...	77	24	179	7.0	16.0	0	6.8	69	230	813	94
SEP.											
05...	87	32	188	6.9	14.0	1	7.8	75	--	--	--

B Results based on colony count outside the acceptable range (non-ideal colony count).

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS--Continued

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CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

STREAMS TRIBUTARY TO LAKE ONTARIO

04232170 - CATHERINE CREEK AT PINE VALLEY NY (LAT 42 13 56 LONG 76 50 32)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)
JULY 08...	1100	4.2	52	16	11	.6	216	0	177	21	22
JULY 30...	1000	5.4	53	16	11	.6	224	0	184	14	21
SEP. 05...	1000	6.7	60	17	11	1.5	244	0	200	21	21

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)
JULY 08...	.68	.01	.69	.03	.34	.37	1.1	.06	.04	275	5
JULY 30...	.36	.01	.37	.00	.49	.49	.86	.05	.03	290	3
SEP. 05...	.41	.00	.41	.00	.32	.32	.73	.05	.03	292	5

DATE	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
JULY 08...	200	19	445	7.5	23.0	2	5.2	61	--	--	--
JULY 30...	200	14	440	7.5	20.0	2	6.0	65	3100	897	2200
SEP. 05...	220	20	485	7.5	15.0	2	7.6	74	--	--	--

8 Results based on colony count outside the acceptable range (non-ideal colony count).

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ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

STREAMS TRIBUTARY TO LAKE ONTARIO

04232176 - CATHERINE CREEK TRIBUTARY NO 5 NEAR MILLPORT NY (LAT 42 16 44 LONG 76 53 28)

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	RICAR- RONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
JULY 08...	1230	E.02	21	5.9	9.4	.7	73	0	60	17	15
30...	1130	E.10	22	5.8	8.5	.5	80	0	66	10	12
SEP. 05...	1100	E.01	23	6.6	7.3	1.0	77	0	63	11	14

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)
JULY 08...	.04	.02	.06	.15	.54	.69	.75	.09	.02	134	18
30...	.01	.00	.01	.00	.40	.40	.41	.03	.01	113	5
SEP. 05...	.04	.00	.04	.00	.36	.36	.40	.10	.01	127	14

DATE	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
JULY 08...	77	17	215	7.3	26.0	5	5.2	64	--	--	--
30...	79	13	205	7.2	22.0	3	6.4	73	5600	81700	780
SEP. 05...	85	21	210	7.2	15.5	4	6.0	60	--	--	--

DATE	TIME	TOTAL ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)
JULY 30...	1130	1	0	0	0	1400	0	590	<.5	0	0

B Results based on colony count outside the acceptable range (non-ideal colony count).

E Estimated value.

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS--Continued

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CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

STREAMS TRIBUTARY TO LAKE ONTARIO

04232182 - CATHERINE CREEK AT MIDWAY NY (LAT 42 15 04 LONG 76 50 10)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)
JULY 08...	1330	4.3	54	16	12	1.1	215	0	176	24	24
SEP. 30...	1230	6.5	53	15	16	.9	206	2	172	18	25
SEP. 05...	1200	8.3	68	17	14	1.6	242	0	198	23	25

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)
JULY 08...	.72	.01	.73	.01	.30	.31	1.0	.03	.01	290	0
SEP. 30...	.38	.01	.39	.00	.36	.36	.75	.01	.01	294	4
SEP. 05...	.50	.02	.52	.00	.38	.38	.90	.03	.02	293	3

DATE	HARDNESS (CA, MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
JULY 08...	200	24	455	8.2	27.0	1	9.4	116	--	--	--
SEP. 30...	190	22	438	8.4	24.0	1	9.1	107	27	82	290
SEP. 05...	240	41	500	8.1	18.5	2	9.1	97	--	--	--

DATE	TIME	TOTAL ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)
JULY 30...	1230	1	0	10	0	160	2	10	<.5	1	10

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ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

STREAMS TRIBUTARY TO LAKE ONTARIO

04232190 - CATHERINE CREEK NEAR MILLPORT NY (LAT 42 17 47 LONG 76 50 49)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)
JULY 09...	1230	6.8	60	16	15	1.6	236	0	194	32	27
30...	1400	8.4	51	16	16	1.2	202	0	166	25	27
SEP. 05...	1300	9.9	56	18	14	1.6	230	0	189	27	26

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	TOTAL NON-FILTRABLE RESIDUE (MG/L)
JULY 09...	.37	.01	.38	.01	.27	.28	.66	.01	.01	321	2
30...	.06	.01	.07	.00	.34	.34	.41	.01	.01	293	3
SEP. 05...	.14	.00	.14	.00	.15	.15	.29	.01	.01	274	7

DATE	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
JULY 09...	220	22	510	8.1	24.5	1	8.3	99	--	--	--
30...	190	28	465	8.6	26.5	1	8.5	105	190	45	200
SEP. 05...	210	25	500	8.2	20.0	1	9.0	98	--	--	--

DATE	TIME	TOTAL ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)
JULY 30...	1400	1	0	<10	0	120	1	10	<.5	0	0

ANALYSES OF SAMPLES COLLECTED AT WATER-QUALITY PARTIAL-RECORD STATIONS--Continued

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CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

STREAMS TRIBUTARY TO LAKE ONTARIO

04232200 - CATHERINE CREEK AT MONTOUR FALLS NY (LAT 42 19 42 LONG 76 50 40)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)
MAY 14...	1530	42	42	10	19	1.4	143	0	117	29	30
JULY 09...	1400	7.5	56	15	18	1.7	221	0	181	31	30
SEP. 31...	1230	9.5	59	17	23	1.5	236	0	194	26	38
SEP. 05...	1430	11	60	18	18	1.7	243	0	199	27	31

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)
MAY 14...	.38	.01	.39	.01	.46	.47	.86	.02	.01	230	12
JULY 09...	.32	.01	.33	.03	.26	.29	.62	.03	.01	300	5
SEP. 31...	.04	.00	.04	.00	.29	.29	.33	.01	.01	342	3
SEP. 05...	.12	.00	.12	.00	.15	.15	.27	.01	.01	305	13

DATE	HARDNESS (CA, MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	TURBIDITY (JTU)	DIS-SOLVED OXYGEN (MG/L)	PERCENT SATURATION	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
MAY 14...	150	29	383	7.8	15.0	3	9.3	92	--	--	--
JULY 09...	200	20	500	8.1	24.5	2	7.6	91	--	--	--
SEP. 31...	220	24	525	8.1	26.0	1	8.4	102	210	76	8110
SEP. 05...	220	25	535	8.1	20.5	1	8.4	93	--	--	--

DATE	TIME	TOTAL ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)
JULY 31...	1230	1	0	<10	0	110	0	20	<.5	0	10

8 Results based on colony count outside the acceptable range (non-ideal colony count).

ANALYSES OF SAMPLES AT WATER QUALITY PARTIAL-RECORD STATIONS
 SUSPENDED SEDIMENT MEASUREMENTS, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
 HUDSON RIVER BASIN

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PENDE SEDI- MENT (MG/L)	SUS- PENDE SEDI- MENT DIS- CHARGE (T/DAY)	TEMPER- ATURE (DEG C)
01327600 - HUDSON RIVER AT GLENS FALLS NY (LAT 43 18 20 LONG 073 36 58)					
SEP., 1975					
27...	1530	17600	12	570	--
28...	1330	9750	18	474	--
01327710 - HUDSON RIVER AT FENIMORE NY (LAT 43 17 50 LONG 073 35 24)					
APR., 1975					
21...	1445	12700	9	309	--
22...	1250	9220	7	174	--
01327755 - HUDSON RIVER AT ROGERS ISLAND NY (LAT 43 15 22 LONG 073 35 28)					
APR., 1975					
21...	1150	11800	30	956	--
22...	1000	11400	13	400	--
SEP.					
27...	1045	13800	32	1190	--
28...	0900	13200	11	392	--
01350101 - SCHOHARIE CREEK AT GILBOA NY (LAT 42 23 51 LONG 074 27 02)					
APR., 1975					
03...	2355	8290	16	358	2.5
SEP.					
25...	0945	.62	19	.03	--
01350120 - PLATTER KILL AT GILBOA N.Y. (LAT 42 24 18 LONG 074 26 36)					
SEP., 1975					
25...	0915	57	162	25	--
01350140 - MINE KILL NEAR NORTH BLENHEIM NY (LAT 42 25 41 LONG 074 28 22)					
SEP., 1975					
25...	1000	409	316	349	--
01350200 - WEST KILL AT NORTH BLENHEIM NY (LAT 42 28 07 LONG 074 27 34)					
APR., 1975					
04...	1200	--	20	--	--
SEP.					
25...	1135	840	254	576	--

ANALYSES OF SAMPLES AT WATER QUALITY PARTIAL-RECORD STATIONS--Continued

SUSPENDED SEDIMENT MEASUREMENTS, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

STREAMS TRIBUTARY TO LAKE ONTARIO

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PENDE SEDI- MENT CHARGE (MG/L)	SUS- PENDE SEDI- MENT DIS- CHARGE (T/DAY)	TEMPER- ATURE (DEG C)	DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PENDE SEDI- MENT CHARGE (MG/L)	SUS- PENDE SEDI- MENT DIS- CHARGE (T/DAY)	TEMPER- ATURE (DEG C)
04221725 - GENESEE RIVER AT TRANSIT BRIDGE NEAR ANGELICA NY (LAT 42 17 46 LONG 078 04 36)											
FEB.. 1975						JUNE, 1975					
24...	1715	15700	1910	81000	7.0	17...	1100	950	70	180	18.0
25...	1345	8320	1050	23600	--	JULY					
26...	1215	3770	929	9460	4.5	02...	1005	164	10	4.4	18.0
MAR...						17...	1020	110	17	5.0	22.0
19...	1030	1280	59	204	3.0	AUG.					
APR...						01...	1030	96	53	14	23.5
03...	0945	930	42	105	5.0	06...	1145	110	24	7.1	--
18...	1015	356	74	71	8.0	16...	1100	82	21	4.6	19.5
MAY...						31...	1055	450	87	106	--
03...	0950	495	12	16	11.0	SEP.					
18...	1010	580	13	20	14.5	10...	1000	110	60	18	15.0
28...	1700	556	77	116	--	12...	1300	4310	1120	13000	--
JUNE						15...	1100	330	19	17	12.0
02...	0935	450	17	21	16.0	26...	1840	9740	1140	30000	--
05...	1515	10200	2260	62200	15.0	30...	1010	910	54	133	12.0
06...	1855	7210	560	10900	--						
16...	1645	2450	25	165	25.0						

DATE	TIME	SUS. SED. FALL DIAM. % FINER THAN .002 MM	SUS. SED. FALL DIAM. % FINER THAN .004 MM	SUS. SED. FALL DIAM. % FINER THAN .008 MM	SUS. SED. FALL DIAM. % FINER THAN .016 MM	SUS. SED. FALL DIAM. % FINER THAN .031 MM	SUS. SED. FALL DIAM. % FINER THAN .062 MM	SUS. SED. FALL DIAM. % FINER THAN .125 MM	SUS. SED. FALL DIAM. % FINER THAN .250 MM	SUS. SED. FALL DIAM. % FINER THAN .500 MM
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04221725 - GENESEE RIVER AT TRANSIT BRIDGE NEAR ANGELICA NY (LAT 42 17 46 LONG 078 04 36)

SEP.. 1975										
12...	1300	39	52	65	79	90	95	99	--	--
26...	1840	28	33	40	52	68	96	97	99	100

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PENDE SEDI- MENT CHARGE (MG/L)	SUS- PENDE SEDI- MENT DIS- CHARGE (T/DAY)	TEMPER- ATURE (DEG C)	DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PENDE SEDI- MENT CHARGE (MG/L)	SUS- PENDE SEDI- MENT DIS- CHARGE (T/DAY)	TEMPER- ATURE (DEG C)
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04224740 - SUGAR CREEK NEAR CANASERAGA NY (LAT 42 30 07 LONG 077 44 43)

FEB.. 1975						JUNE, 1975					
19...	1100	18	5	.24	1.0	16...	0935	63	33	5.6	18.0
24...	1730	378	294	300	3.0	JULY					
25...	1630	115	26	8.1	2.5	01...	0945	4.3	2	.03	18.0
MAR...						09...	1230	2.5	5	.03	17.0
18...	0900	19	3	.15	--	16...	1000	1.4	1	.00	16.5
27...	1015	--	6	--	1.0	31...	0940	1.9	2	.01	17.0
APR...						AUG.					
02...	0830	--	2	--	1.0	13...	1315	1.4	0	.00	17.0
10...	1425	24	6	.39	2.0	15...	1040	1.4	2	.01	17.5
17...	0925	23	7	.43	2.0	30...	1050	19	31	1.6	16.5
22...	1600	14	0	.00	10.0	SEP.					
MAY...						14...	1010	1.4	1	.00	--
02...	0855	54	32	4.7	9.0	17...	1015	9.0	4	.10	9.0
17...	0925	17	3	.16	11.5	29...	0915				--
JUNE											
01...	0900	14	33	1.2	--						

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SUSPENDED SEDIMENT MEASUREMENTS, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

STREAMS TRIBUTARY TO LAKE ONTARIO--Continued

04224775 - CANASERAGA CREEK ABOVE DANSVILLE NY (LAT 42 32 08 LONG 077 42 16)

DATE	TIME	INSTANTANEOUS DIS-CHARGE (CFS)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)	TEMPER-ATURE (DEG C)	DATE	TIME	INSTANTANEOUS DIS-CHARGE (CFS)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)	TEMPER-ATURE (DEG C)
DEC., 1974						JUNE, 1975					
03...	1320	79	9	1.9	--	05...	1200	71	94	18	--
03...	1320	79	9	1.9	--	06...	1245	590	434	691	15.0
FER., 1975						16...	1055	272	138	101	19.0
24...	1630	1810	2760	13500	2.0	JULY					
MAR.						01...	1045	27	3	.41	22.0
18...	1150	111	109	33	4.0	08...	1740	22	20	2.8	28.0
20...	1615	868	316	741	3.0	16...	1110	20	8	1.1	21.0
27...	1120	125	85	29	.0	31...	1050	15	8	1.1	21.5
APR.						AUG.					
02...	0945	136	25	9.2	2.5	14...	1100	13	15	1.9	21.0
10...	1530	142	42	16	3.0	15...	1145	12	15	2.1	21.0
17...	0945	116	19	6.0	3.0	30...	1200	83	380	85	18.0
22...	1445	85	16	3.7	12.0	SEP.					
MAY						14...	1130	42	11	1.2	--
02...	0940	151	132	54	11.0	15...	1445	23	12	.70	21.0
17...	1020	93	13	3.3	14.0	29...	1010	62	18	3.0	10.0
JUNE											
01...	0950	57	72	11	--						

04224848 - STONY BROOK AT STONY BROOK STATE PARK NY (LAT 42 31 20 LONG 077 41 22)

DATE	TIME	INSTANTANEOUS DIS-CHARGE (CFS)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)	TEMPER-ATURE (DEG C)	DATE	TIME	INSTANTANEOUS DIS-CHARGE (CFS)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)	TEMPER-ATURE (DEG C)
DEC., 1974						JUNE, 1975					
03...	1455	16	0	.00	.0	25...	1420	10	2	.05	--
03...	1455	16	0	.00	.0	JULY					
FER., 1975						01...	1025	5.0	1	.01	18.0
24...	1330	510	3530	4860	4.0	08...	1610	7.7	10	.21	23.0
25...	1200	145	158	62	3.0	16...	1050	8.4	3	.07	18.0
MAR.						24...	1540	7.6	10	.21	23.0
18...	1120	26	7	.49	20.0	24...	1700	9.3	14	.35	22.5
27...	1100	30	5	.40	.0	24...	1830	10	15	.40	21.5
APR.						24...	2000	12	24	.78	18.5
02...	0930	22	2	.12	1.0	31...	1030	14	6	.24	
10...	1510	24	7	.45	4.0	AUG.					
17...	0930	24	9	.52	2.0	14...	1230	13	3	.11	19.0
22...	1100	16	0	.00	5.5	15...	1120	13	2	.07	18.5
MAY						30...	1130	22	71	4.2	17.0
02...	0930	26	10	.70	9.0	SEP.					
17...	1010	24	2	.13	13.5	14...	1115	13	3	.11	10.0
JUNE						15...	1240	12	2	.08	11.0
01...	0935	21	10	.58	16.5	29...	0950	26	9	.63	9.0
05...	1137	63	151	26	--						
06...	1420	145	313	123	15.0						
18...	1020	150	154	62	17.5						

04224978 - MILL CREEK AT DANSVILLE NY (LAT 42 33 12 LONG 077 41 44)

DATE	TIME	INSTANTANEOUS DIS-CHARGE (CFS)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)	TEMPER-ATURE (DEG C)	DATE	TIME	INSTANTANEOUS DIS-CHARGE (CFS)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)	TEMPER-ATURE (DEG C)
DEC., 1974						JUNE, 1975					
03...	1600	25	13	.88	2.0	16...	1110	99	759	203	18.5
03...	1600	25	13	.88	2.0	JULY					
JAN., 1975						01...	1100	42	27	3.1	19.5
31...	1105	102	89	24	1.0	09...	1000	24	36	2.3	17.0
FER.						16...	1135	34	33	3.5	18.5
19...	0930	35	91	9.9	2.0	24...	1535	34	40	3.7	22.0
24...	1500	294	2130	1690	4.5	24...	1630	42	202	23	21.0
25...	1350	258	1250	870	3.0	24...	1800	60	355	58	20.0
MAR.						24...	1915	44	213	25	19.0
18...	1300	20	105	5.7	6.0	31...	1110	21	38	2.2	
27...	1040	93	84	21	.0	AUG.					
APR.						14...	0915	20	49	2.6	17.0
02...	1020	40	37	4.0	2.5	15...	1210	36	52	5.0	18.0
17...	1005	36	50	4.9	4.0	30...	1220	97	408	107	16.5
22...	1200	39	17	1.9	8.0	SEP.					
MAY						14...	1145	42	32	3.6	13.0
02...	1015	69	297	55	11.0	15...	1615	20	35	1.9	13.0
17...	1050	21	33	1.9	14.0	29...	1035	44	83	9.9	10.0
JUNE											
01...	1010	60	240	39	--						
06...	1700	116	753	236	16.0						

SUSPENDED SEDIMENT MEASUREMENTS, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

STREAMS TRIBUTARY TO LAKE ONTARIO--Continued

04225000 - CANASERAGA CREEK NEAR DANSVILLE NY (LAT 42 33 40 LONG 077 42 55)

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PENDE SEDI- MENT (MG/L)	SUS- PENDE SEDI- MENT DIS- CHARGE (T/DAY)	TEMPER- ATURE (DEG C)	DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PENDE SEDI- MENT (MG/L)	SUS- PENDE SEDI- MENT DIS- CHARGE (T/DAY)	TEMPER- ATURE (DEG C)
DEC. 1974						JUNE 1975					
04...	0825	103	1	.2R	.0	12...	1020	182	40	20	16.0
FEB. 1975						16...	1000	747	437	881	18.5
25...	1445	1400	734	2780	3.5	JULY					
MAR. 18...	1030	199	107	57	2.0	01...	1000	478	5	6.5	20.5
27...	1040	199	74	40	.0	09...	1115	56	19	2.9	19.0
APR. 02...	0845	174	22	10	--	16...	1030	53	21	3.0	18.5
10...	1445	192	30	16	3.0	31...	1000	48	13	1.7	19.5
17...	0840	165	22	9.8	3.0	AUG.					
22...	1315	130	11	3.9	9.5	13...	1155	38	5	.51	25.0
MAY 02...	0905	154	96	40	10.0	15...	1055	38	12	1.2	18.5
17...	0945	179	15	7.2	14.0	30...	1110	144	308	120	17.5
JUNE 01...	0925	135	137	50	17.0	SEP.					
						14...	1035	69	15	2.8	10.5
						17...	0940	52	12	1.7	13.0
						29...	0935	224	33	20	9.0

04225500 - CANASERAGA CREEK AT GROVELAND NY (LAT 42 39 40 LONG 077 46 10)

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PENDE SEDI- MENT (MG/L)	SUS- PENDE SEDI- MENT DIS- CHARGE (T/DAY)	TEMPER- ATURE (DEG C)	DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PENDE SEDI- MENT (MG/L)	SUS- PENDE SEDI- MENT DIS- CHARGE (T/DAY)	TEMPER- ATURE (DEG C)
DEC. 1974						JUNE 1975					
13...	1000	212	36	21	3.0	23...	1920	225	86	52	--
MAR. 1975						JULY					
18...	1430	240	61	40	4.0	01...	0900	86	16	3.7	20.0
20...	1130	1640	915	4050	--	09...	1455	65	17	3.0	22.0
27...	1250	293	72	57	1.0	16...	0910	62	32	5.4	20.0
APR. 02...	1045	328	26	23	2.5	31...	0900	53	56	8.0	20.5
17...	0825	218	40	24	3.0	AUG.					
22...	1450	155	9	3.8	10.0	12...	1505	43	31	3.6	24.0
MAY 02...	0815	287	310	240	10.0	15...	0945	37	72	7.2	20.0
17...	0845	190	31	16	12.0	30...	1005	148	263	105	18.0
JUNE 01...	0745	54	100	15	--	SEP.					
16...	0835	790	2660	5670	19.0	14...	0925	79	14	3.0	9.0
						15...	1700	64	18	3.1	--
						29...	0830	176	44	21	10.0

04225600 - BRADNER CREEK NEAR DANSVILLE NY (LAT 42 34 49 LONG 077 44 20)

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PENDE SEDI- MENT (MG/L)	SUS- PENDE SEDI- MENT DIS- CHARGE (T/DAY)	TEMPER- ATURE (DEG C)	DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PENDE SEDI- MENT (MG/L)	SUS- PENDE SEDI- MENT DIS- CHARGE (T/DAY)	TEMPER- ATURE (DEG C)
DEC. 1974						JUNE 1975					
06...	1120	3.9	2	.02	.0	01...	0800	14	51	1.9	--
JAN. 1975						07...	1025	18	53	2.6	--
31...	--	--	--	--	--	16...	0910	12	108	3.5	18.0
FEB. 18...	1235	16	23	.87	1.0	JULY					
25...	0940	114	6	.26	.5	01...	0935	5.6	6	.09	19.0
MAR. 18...	1400	18	80	25	2.5	09...	1340	5.1	16	.22	21.0
27...	1200	5.1	21	1.0	5.0	16...	0935	4.6	2	.02	18.0
APR. 02...	1130	17	8	.11	1.0	31...	0920	3.9	4	.04	18.0
17...	--	17	16	.07	2.0	AUG.					
22...	1300	9.5	0	.00	2.0	13...	1030	3.6	5	.05	24.0
MAY 02...	0835	19	37	1.9	1.0	15...	1010	1.8	4	.02	18.0
17...	0900	15	4	.16	12.0	30...	1030	7.5	78	1.6	18.0
						SEP.					
						14...	0945	2.8	2	.02	9.0
						17...	0805	3.2	4	.03	--
						29...	0845	4.2	9	.10	9.0

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ANALYSES OF SAMPLES AT WATER QUALITY PARTIAL-RECORD STATIONS--Continued

SUSPENDED SEDIMENT MEASUREMENTS, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

STREAMS TRIBUTARY TO LAKE ONTARIO--Continued

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PEN- DED SEDI- MENT CHARGE (MG/L)	SUS- PEN- DED SEDI- MENT DIS- CHARGE (T/DAY)	TEMPER- ATURE (DEG C)	DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PEN- DED SEDI- MENT CHARGE (MG/L)	SUS- PEN- DED SEDI- MENT DIS- CHARGE (T/DAY)	TEMPER- ATURE (DEG C)
04225670 - BRADNER CREEK NEAR SONYEA NY (LAT 42 41 03 LONG 077 47 54)											
DEC., 1974						JUNE, 1975					
12...	1630	28	113	8.5	2.0	16...	0810	490	335	443	18.5
FER., 1975						JULY					
19...	1630	70	114	22	1.0	01...	0845	9.1	60	1.4	22.5
MAR.						09...	1620	5.6	69	1.0	24.0
18...	1515	98	155	41	4.0	16...	0845	5.9	76	1.2	21.5
27...	1230	90	20	4.9	2.0	31...	0830	4.6	56	.70	21.0
APR.						AUG.					
02...	1105	53	15	2.1	2.0	12...	1620	2.3	48	.30	25.0
17...	0800	40	143	15	4.0	15...	0925	8.4	50	1.1	20.0
22...	1145	20	65	3.7	10.0	30...	0950	9.5	174	4.5	19.0
MAY						SEP.					
02...	0800	91	416	102	--	14...	0900	8.1	43	.94	--
17...	0820	30	99	8.1	15.0	16...	1035	5.5	49	.73	--
JUNE						29...	0815	25	87	5.9	11.0
01...	0730	15	149	6.0	21.0						

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PEN- DED SEDI- MENT CHARGE (MG/L)	SUS- PEN- DED SEDI- MENT DIS- CHARGE (T/DAY)	TEMPER- ATURE (DEG C)	DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PEN- DED SEDI- MENT CHARGE (MG/L)	SUS- PEN- DED SEDI- MENT DIS- CHARGE (T/DAY)	TEMPER- ATURE (DEG C)
04225915 - KESHEQUA CREEK AT NUNDA NY (LAT 42 35 19 LONG 077 55 14)											
DEC., 1974						JUNE, 1975					
12...	1400	40	57	6.2	3.0	11...	1255	24	8	.52	20.0
FER., 1975						16...	1145	59	163	26	20.0
25...	1630	102	296	82	2.0	19...	1150	232	1550	971	--
MAR.						JULY					
18...	1600	16	150	6.5	7.5	01...	1130	9.5	1	.03	24.0
20...	1730	49	174	23	4.0	10...	1335	7.6	5	1.0	25.0
27...	1330	--	48	--	3.0	16...	1215	277	2	1.6	23.0
APR.						31...	1130	--	3	--	--
02...	1215	25	9	.61	2.0	AUG.					
17...	1030	7.5	152	3.1	4.0	12...	1305	4.9	2	.03	24.0
MAY						15...	1235	5.3	2	.03	22.5
02...	1045	1.8	163	.79	13.0	30...	1245	23	290	18	18.0
17...	1130	12	4	.14	15.0	SEP.					
JUNE						14...	1215	7.2	1	.03	13.0
01...	1055	278	288	216	--	16...	1335	6.6	0	.00	13.0
05...	1405	29	864	68	--	29...	1125	12	3	.11	13.0
07...	1345	53	86	12	14.5						

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PEN- DED SEDI- MENT CHARGE (MG/L)	SUS- PEN- DED SEDI- MENT DIS- CHARGE (T/DAY)	TEMPER- ATURE (DEG C)	DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PEN- DED SEDI- MENT CHARGE (MG/L)	SUS- PEN- DED SEDI- MENT DIS- CHARGE (T/DAY)	TEMPER- ATURE (DEG C)
04225950 - KESHEQUA CREEK AT TUSCARORA NY (LAT 42 38 17 LONG 077 52 01)											
DEC., 1974						JUNE, 1975					
12...	1250	47	31	3.9	2.0	01...	1115	100	503	136	--
FER., 1975						16...	1205	211	350	199	20.0
19...	1350	88	140	33	1.0	JULY					
25...	1245	405	645	705	2.0	01...	1200	181	3	1.5	25.0
MAR.						10...	1200	9.6	14	.16	22.0
18...	1530	545	200	294	5.0	16...	1205	8.8	13	.31	24.0
20...	1800	296	204	163	4.0	31...	1200	--	13	--	--
27...	1310	75	44	8.9	2.0	AUG.					
APR.						12...	1135	5.0	24	.32	22.5
02...	1155	68	18	3.3	.0	15...	1255	4.6	15	.19	19.0
17...	1055	58	21	3.3	4.0	30...	1305	67	147	30	13.0
23...	1600	30	2	.16	13.0	SEP.					
MAY						14...	1235	10	20	.68	13.0
02...	1105	610	312	514	12.0	16...	1200	6.8	25	.37	13.0
17...	1145	46	5	.62	16.0	29...	1145	20	11	.59	12.5

ANALYSES OF SAMPLES AT WATER QUALITY PARTIAL-RECORD STATIONS--Continued
 SUSPENDED SEDIMENT MEASUREMENTS, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

STREAMS TRIBUTARY TO LAKE ONTARIO--Continued

04226000 - KESHEQUA CREEK AT CRAIG COLONY, SONYEA NY (LAT 42 40 50 LONG 077 49 45.01)

DATE	TIME	INSTANTANEOUS DIS-CHARGE (CFS)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)	TEMPER-ATURE (DEG C)	DATE	TIME	INSTANTANEOUS DIS-CHARGE (CFS)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)	TEMPER-ATURE (DEG C)	
DEC.. 11	1974					JUNE. 16	1975	1220	214	412	23R	22.0
FEB.. 25	1975	1545	46	22	2.7	01...	1215	12	0	.00	25.5	
MAR.. 18	1045	545	730	1070	1.5	10...	1030	8.2	3	.07	19.0	
MAR.. 20	1630	10R	17R	52	6.0	16...	1245	8.8	2	.05	24.5	
MAR.. 27	1640	363	280	274	4.0	31...	1215	7.2	2	.04	26.5	
APR.. 02	1405	80	41	8.9	4.0	AUG.. 12	1005	4.9	5	.07	20.0	
APR.. 17	1235	74	9	1.8	25.0	15...	1315	4.4	1	.01	24.0	
APR.. 22	1115	51	21	2.9	4.0	30...	1320	42	96	11	19.5	
MAY.. 02	1030	30	1	.0R	8.0	SEP.. 14	1245	7.2	1	.02	13.5	
MAY.. 17	1120	197	452	240	13.0	15...	0955	6.6	4	.07	12.0	
MAY.. 17	1200	33	2	.1R	16.0	26...	1145	239	576	372	14.0	
JUNE 01	1330	110	605	180	18.5	26...	1400	18R	465	236	14.0	
JUNE 07	0905	134	14R	54	--	29...	1300	19	5	.26	13.5	

04228370 - LITTLE CONESUS CREEK NEAR SOUTH LIMA NY (LAT 42 53 14 LONG 077 40 03)

DATE	TIME	INSTANTANEOUS DIS-CHARGE (CFS)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)	TEMPER-ATURE (DEG C)	DATE	TIME	INSTANTANEOUS DIS-CHARGE (CFS)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)	TEMPER-ATURE (DEG C)		
FEB.. 26	1975	1300	2R	14	1.1	1.5	JUNE. 24	1975	2000	3.0	12	.10	--
MAR.. 20	1410	80	49	11	3.0	07...	1415	1.5	3	.01	24.0		
APR.. 28	1430	2R	7	.53	5.5	17...	1700	2.6	7	.05	24.5		
APR.. 03	1550	31	25	2.1	2.0	25...	1155	.90	7	.02	20.0		
MAY.. 18	1250	2R	10	.76	10.0	25...	1250	.90	2	.00	21.5		
MAY.. 03	1330	1.2	7	.02	17.0	AUG.. 01	1700	1.4	4	.02	25.5		
MAY.. 07	1430	29	130	10	12.0	01...	1715	1.4	8	.03	20.0		
MAY.. 18	1500	1.2	3	.01	22.5	16...	1130	.44	3	.00	22.0		
JUNE 02	1520	6.4	4	.07	22.0	2R...	1700	3.8	10	.10	--		
JUNE 05	1615	26	11R	8.3	17.5	31...	1700	3.8	3	.03	--		
JUNE 18	1500	9.2	14	.35	24.0	SEP.. 15	1630	3.0	5	.04	16.0		
						30...	1700	3.0	5	.04	16.0		

04228380 - LITTLE CONESUS CREEK NEAR EAST AVON NY (LAT 42 53 34 LONG 077 41 05)

DATE	TIME	INSTANTANEOUS DIS-CHARGE (CFS)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)	TEMPER-ATURE (DEG C)	DATE	TIME	INSTANTANEOUS DIS-CHARGE (CFS)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)	TEMPER-ATURE (DEG C)		
FEB.. 26	1975	1115	30	13	1.1	1.0	JUNE. 24	1975	1915	.80	6	.01	--
MAR.. 20	1400	105	7R	22	3.0	02...	1430	.65	2	.00	24.0		
APR.. 28	1400	200	5	2.7	5.5	17...	1645	.60	3	.01	25.5		
APR.. 03	1530	2R	37	2.8	2.0	25...	1430	.6R	6	.01	23.0		
MAY.. 18	1240	9.0	11	.27	9.0	AUG.. 01	1700	.47	3	.00	26.5		
MAY.. 03	1530	4.0	5	.05	15.0	01...	1630	--	4	--	21.0		
MAY.. 18	1445	.80	1	.00	21.5	16...	1000	.47	2	.00	--		
JUNE 02	1500	.40	4	.01	21.0	2R...	1715	.9R	7	.02	--		
JUNE 05	1600	10	6	.1R	17.0	31...	1715	.27	6	.00	--		
JUNE 18	--	10	10	.2R	24.0	SEP.. 15	1645	.68	5	.01	16.0		
						30...	1715	.68	5	.01	16.0		

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ANALYSES OF SAMPLES AT WATER QUALITY PARTIAL-RECORD STATIONS—Continued

SUSPENDED SEDIMENT MEASUREMENTS, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

STREAMS TRIBUTARY TO LAKE ONTARIO—Continued

DATE	TIME	INSTANTANEOUS DIS-CHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DIS-CHARGE (T/DAY)	TEMPERATURE (DEG C)	DATE	TIME	INSTANTANEOUS DIS-CHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DIS-CHARGE (T/DAY)	TEMPERATURE (DEG C)
04230320 - OATKA CREEK AT ROCK GLEN NY (LAT 42 41 39 LONG 078 07 15)											
DEC.. 1974						JUNE, 1975					
09...	1645	18	4	.19	.0	03...	0900	20	8	43	14.0
FEB.. 1975						18...	0830	14	7	.26	19.0
25...	1100	184	9	4.5	.5	25...	0905	10	2	.05	17.0
26...	0900	50	16	2.2	.0	JULY					
MAR.						03...	0845	8.5	10	.23	19.5
20...	0830	--	86	--	1.0	18...	0850	5.5	9	.13	18.0
28...	1015	--	7	--	.0	23...	1020	3.6	9	.09	--
APR.						AUG.					
19...	0850	48	32	4.1	11.0	02...	0900	144	30	12	20.5
24...	1400	30	3	.24	14.0	17...	0945	144	5	1.9	17.0
MAY						26...	1300	2.8	5	.04	--
04...	0830	27	29	2.1	11.0	SEP.					
06...	1030	30	13	1.1	9.0	01...	0925	5.1	21	.29	--
12...	1400	21	6	.34	--	10...	0915	2.7	2	.01	--
19...	0830	23	7	.43	14.0	23...	1825	2.5	1	.01	12.0

DATE	TIME	INSTANTANEOUS DIS-CHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DIS-CHARGE (T/DAY)	TEMPERATURE (DEG C)	DATE	TIME	INSTANTANEOUS DIS-CHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DIS-CHARGE (T/DAY)	TEMPERATURE (DEG C)
04230380 - OATKA CREEK AT WAPSAW NY (LAT 42 44 39 LONG 078 08 16)											
DEC.. 1974						MAY, 1975					
09...	1440	90	19	4.6	.0	19...	0905	33	4	.36	15.5
FEB.. 1975						JUNE					
18...	1630	108	48	14	--	03...	0915	41	7	.77	15.0
20...	1400	56	60	9.1	1.0	18...	0900	56	3	.45	20.0
25...	1300	313	197	166	2.0	25...	0940	37	16	1.6	19.0
26...	1030	116	30	9.4	.5	JULY					
MAR.						03...	0900	18	6	.29	21.0
20...	0905	1180	222	707	1.6	18...	0915	12	3	.10	21.5
28...	1045	77	21	4.4	1.0	23...	1800	15	2	.12	28.0
APR.						AUG.					
04...	1200	59	19	3.0	.0	02...	--	--	0	--	20.0
08...	1020	75	14	2.8	.5	17...	1000	8.6	6	.14	25.0
19...	0930	174	62	29	10.0	26...	1530	14	30	1.1	--
24...	1415	319	4	3.4	13.0	SEP.					
MAY						01...	0950	20	3	.16	--
04...	0845	43	96	11	11.0	16...	0940	9.9	2	.05	14.5
06...	1315	136	297	109	9.0	23...	1135	7.0	1	.02	--
12...	1430	56	7	1.1	13.0						

DATE	TIME	INSTANTANEOUS DIS-CHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DIS-CHARGE (T/DAY)	TEMPERATURE (DEG C)	DATE	TIME	INSTANTANEOUS DIS-CHARGE (CFS)	SUSPENDED SEDIMENT (MG/L)	SUSPENDED SEDIMENT DIS-CHARGE (T/DAY)	TEMPERATURE (DEG C)
04230400 - OATKA CREEK AT PEARL CREEK NY (LAT 42 50 54 LONG 078 03 37)											
DEC.. 1974						JUNE, 1975					
10...	1145	128	45	16	.0	03...	0945	45	39	4.7	16.5
FEB.. 1975						18...	0935	85	13	3.0	20.5
25...	1540	1440	47	183	2.5	25...	1255	31	12	1.0	22.0
MAR.						JULY					
20...	0940	1240	131	439	3.0	03...	0925	16	24	1.0	22.0
28...	1110	100	254	69	1.0	18...	0930	12	6	.19	22.0
APR.						23...	1940	11	4	.12	22.0
04...	1125	102	59	16	.0	AUG.					
19...	0930	173	54	25	10.0	02...	1015	7.0	13	.25	22.5
24...	1445	62	17	2.8	11.0	17...	1025	4.2	18	.20	19.5
MAY						26...	1715	18	10	.49	--
04...	0905	41	55	6.1	13.5	SEP.					
08...	0840	322	71	62	11.0	01...	1015	26	48	3.4	--
12...	1455	50	9	1.2	13.5	16...	1005	12	23	.75	--
19...	0925	36	52	5.1	17.0						

ANALYSES OF SAMPLES AT WATER QUALITY PARTIAL-RECORD STATIONS—Continued

SUSPENDED SEDIMENT MEASUREMENTS, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

STREAMS TRIBUTARY TO LAKE ONTARIO—Continued

04230410 - PEARL CREEK AT PEARL CREEK NY (LAT 42 50 55 LONG 078 02 36)

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PEN- DED SEDI- MENT (MG/L)	SUS- PEN- DED SEDI- MENT DIS- CHARGE (T/DAY)	TEMPER- ATURE (DEG C)	DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PEN- DED SEDI- MENT (MG/L)	SUS- PEN- DED SEDI- MENT DIS- CHARGE (T/DAY)	TEMPER- ATURE (DEG C)
DEC. 1974						JUNE 1975					
10...	1320	11	71	2.1	1.0	03...	0950	1.7	20	.09	13.5
FEB. 1975						18...	0950	5.2	4	.06	18.0
18...	1530	39	34	3.6	.5	25...	1500	6.2	5	.08	19.0
24...	1850	227	236	145	2.0	JULY					
MAR. 25...	1700	101	50	14	2.5	03...	0935	46	1	.12	18.0
20...	0950	177	65	31	3.0	18...	0940	2.9	12	.09	17.0
28...	1130	14	14	.53	2.0	24...	1640	4.2	100	1.1	20.0
APR. 04...	1110	29	0	.00	--	AUG.					
19...	0940	15	18	.73	10.0	02...	1015	2.6	6	.04	20.0
24...	1500	14	5	.19	11.5	17...	1035	2.3	14	.09	17.5
MAY 04...	0915	15	32	1.3	10.0	27...	0930	.84	9	.02	--
08...	1000	29	14	1.1	9.0	SEP.					
12...	1505	12	2	.06	13.0	01...	1025	5.6	5	.08	--
19...	0935	7.0	2	.04	14.0	16...	1015	3.2	3	.03	--

04230423 - OATKA CREEK NEAR PAVILTON CENTER NY (LAT 42 55 43 LONG 078 02 20)

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PEN- DED SEDI- MENT (MG/L)	SUS- PEN- DED SEDI- MENT DIS- CHARGE (T/DAY)	TEMPER- ATURE (DEG C)	DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PEN- DED SEDI- MENT (MG/L)	SUS- PEN- DED SEDI- MENT DIS- CHARGE (T/DAY)	TEMPER- ATURE (DEG C)
DEC. 1974						JUNE 1975					
10...	1510	226	390	238	.0	03...	1000	46	14	1.7	18.0
FEB. 1975						18...	1015	193	19	9.9	22.0
18...	1250	261	48	34	--	25...	1640	51	9	1.2	23.0
24...	1715	979	86	227	2.0	JULY					
MAR. 26...	1310	1160	38	119	1.0	03...	0945	26	4	.28	17.0
20...	1015	1140	71	219	3.0	18...	1010	10	1	.03	22.0
28...	1145	200	14	7.6	2.0	24...	1730	15	18	.73	24.0
APR. 04...	1040	--	24	--	.0	AUG.					
19...	0955	285	1	.77	11.0	02...	--	--	12	--	--
24...	1520	10	0	.00	11.0	17...	1100	5.0	3	.04	21.0
MAY 04...	0935	66	5	.89	14.0	27...	1140	17	3	.14	--
08...	1200	586	36	57	11.0	SEP.					
12...	1535	98	3	.79	14.5	01...	1050	43	6	.70	--
19...	--	59	1	.16	18.5	16...	1040	9.0	1	.02	--

04230470 - MAD CREEK NEAR LE ROY NY (LAT 42 58 47 LONG 077 57 00)

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PEN- DED SEDI- MENT (MG/L)	SUS- PEN- DED SEDI- MENT DIS- CHARGE (T/DAY)	TEMPER- ATURE (DEG C)	DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	SUS- PEN- DED SEDI- MENT (MG/L)	SUS- PEN- DED SEDI- MENT DIS- CHARGE (T/DAY)	TEMPER- ATURE (DEG C)
DEC. 1974						MAY 1975					
10...	1620	26	9	.64	.0	04...	1020	2.8	8	.06	13.0
FEB. 1975						08...	1330	14	13	.49	15.0
24...	1345	138	75	28	1.0	12...	1545	2.8	6	.05	15.5
MAR. 20...	1045	70	48	9.1	2.5	19...	1040	.90	2	.00	18.0
28...	1200	13	5	.18	1.5	JUNE					
APR. 04...	1015	--	8	--	.0	03...	--	.80	4	.01	16.0
19...	1015	18	5	.24	11.0	18...	1045	6.2	8	.13	22.0
25...	1345	4.5	1	.06	9.5	25...	1745	.94	6	.02	22.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES
 CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

HUDSON RIVER BASIN

01327755 HUDSON RIVER AT ROGERS ISLAND NY (LAT 43 15 52 LONG 073 35 28)

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRATE PLUS NITRITE (N) (MG/L)
APR. 21...	1200	11800	5.6	1.0	2.3	.3	12	7.3	3.8	.30	.01	.31
SEP. 27...	1100	13800	7.5	.6	2.3	.4	15	9.5	2.3	.18	.01	.19

DATE	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	TOTAL RESIDUE (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPERATURE (DEG C)
APR. 21...	.08	.22	.30	.61	.05	.01	41	59	18	8	58	--
SEP. 27...	.08	.38	.46	.65	.05	.01	49	82	21	9	--	15.0

DATE	TOTAL ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)
APR. 21...	0	0	0	10	410	13	30	<.5	0	20
SEP. 27...	1	0	10	0	690	10	80	<.5	0	30

CHEMICAL ANALYSES IN BOTTOM MATERIAL

DATE	TIME	TOTAL NITRITE PLUS NITRATE IN BOT. MAT. (MG/KG)	TOTAL AMMONIA IN BOT. MAT. (MG/KG)	TOTAL KJEL. NITROGEN IN BOT. MAT. (MG/KG)	TOTAL PHOSPHORUS IN BOT. MAT. (MG/KG)	LOSS ON IGNITION IN BOTTOM MAT. (MG/KG)	ORGANIC CARBON IN BOTTOM MAT. (G/KG)	IN-ORGANIC CARBON IN BOTTOM MAT. (G/KG)	TOTAL CYANIDE IN BOTTOM MAT. (UG/G)	TOTAL ARSENIC IN BOTTOM MAT. (UG/G)
AUG. 24...	1215	3.9	15	600	100	48000	91	.0	0	2

DATE	TOTAL CADMIUM IN BOTTOM MAT. (UG/G)	TOTAL CHROMIUM IN BOTTOM MAT. (UG/G)	TOTAL COPPER IN BOTTOM MAT. (UG/G)	TOTAL IRON IN BOTTOM MAT. (UG/G)	TOTAL LEAD IN BOTTOM MAT. (UG/G)	TOTAL MANGANESE IN BOTTOM MAT. (UG/G)	TOTAL MERCURY IN BOTTOM MAT. (UG/G)	TOTAL SELENIUM IN BOTTOM MAT. (UG/G)	TOTAL ZINC IN BOTTOM MAT. (UG/G)
AUG. 24...	3	61	14	3300	36	19	.1	0	52

PESTICIDE ANALYSES IN BOTTOM MATERIAL

DATE	ALDRIN IN BOTTOM MAT. (UG/KG)	CHLORDANE IN BOTTOM MAT. (UG/KG)	DDD IN BOTTOM MAT. (UG/KG)	DDE IN BOTTOM MAT. (UG/KG)	DDT IN BOTTOM MAT. (UG/KG)	DI-AZINON IN BOTTOM MAT. (UG/KG)	DI-ELDRIN IN BOTTOM MAT. (UG/KG)	ENDRIN IN BOTTOM MAT. (UG/KG)	ETHION IN BOTTOM MAT. (UG/KG)	HEPTACHLOR IN BOTTOM MAT. (UG/KG)	HEPTACHLOR EPOXIDE IN BOTTOM MAT. (UG/KG)
AUG. 24...	.0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0

DATE	LINDANE IN BOTTOM MAT. (UG/KG)	MALATHION IN BOTTOM MAT. (UG/KG)	METHYL PARATHION IN BOTTOM MAT. (UG/KG)	METHYL TRITHION IN BOTTOM MAT. (UG/KG)	PARATHION IN BOTTOM MAT. (UG/KG)	PCB IN BOTTOM MAT. (UG/KG)	TOXAPHENE IN BOTTOM MAT. (UG/KG)	TRITHION IN BOTTOM MAT. (UG/KG)	2,4-D IN BOTTOM MAT. (UG/KG)	2,4,5-T IN BOTTOM MAT. (UG/KG)	SILVEX IN BOTTOM MAT. (UG/KG)
AUG. 24...	.0	.0	.0	.0	.0	18000	0	.0	0	0	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES--Continued

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CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SiO2) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)
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HUDSON RIVER BASIN--Continued

01350101 - SCHOHARIE CREEK AT GILBOA NY (LAT 42 23 51 LONG 074 27 02)

MAR.. 1975										
25...	1200	1600	3.2	440	40	6.8	.7	2.0	.5	11
APR..										
03...	2355	8290	3.1	520	40	6.7	1.2	2.2	.6	13
AUG..										
26...	1000	.62	3.6	40	10	35	8.0	27	1.2	170

01350120 - PLATTER KILL AT GILBOA N.Y. (LAT 42 24 18 LONG 074 26 36)

MAR.. 1975										
25...	1230	38	4.2	1500	60	10	1.0	2.2	.7	27
AUG..										
26...	0930	2.6	5.4	150	10	21	3.0	3.2	.7	67

DATE	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL- DAHL- NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)
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01350101 - SCHOHARIE CREEK AT GILBOA NY (LAT 42 23 51 LONG 074 27 02)

MAR.. 1975										
25...	0	9	6.8	3.8	.2	.45	.09	.54	.02	.00
APR..										
03...	0	11	6.3	4.8	.1	.68	.07	.75	.03	.02
AUG..										
26...	0	139	18	14	.2	.01	.12	.13	.03	.01

01350120 - PLATTER KILL AT GILBOA N.Y. (LAT 42 24 18 LONG 074 26 36)

MAR.. 1975										
25...	0	22	8.3	3.3	.1	.37	.21	.58	.05	.01
AUG..										
26...	0	55	8.7	3.0	.1	.24	.16	.40	.01	.01

DATE	DIS- SOLVED SOLIDS SUM OF CONSTI- TUENTS (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
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01350101 - SCHOHARIE CREEK AT GILBOA NY (LAT 42 23 51 LONG 074 27 02)

MAR.. 1975										
25...	29	20	11	54	7.1	4.0	12.0	107	82	89
APR..										
03...	31	22	11	58	7.5	2.5	14.0	102	15	860
AUG..										
26...	191	120	0	350	7.7	21.0	10.1	116	0	8450

01350120 - PLATTER KILL AT GILBOA N.Y. (LAT 42 24 18 LONG 074 26 36)

MAR.. 1975										
25...	43	29	7	83	7.0	5.0	11.4	102	52	90
AUG..										
26...	78	65	10	150	7.3	16.5	11.2	117	70	120

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SiO ₂) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO ₃) (MG/L)	
HUDSON RIVER BASIN--Continued											
01350140 - MINE KILL NEAR NORTH BLENHEIM NY (LAT 42 25 41 LONG 074 28 22)											
MAR.. 1975											
25...	1130	92	3.8	960	20	7.2	.9	2.1	.6	17	
AUG.											
20...	1030	.66	2.3	200	10	26	5.1	6.1	1.1	89	
01350200 - WEST KILL AT NORTH BLENHEIM NY (LAT 42 28 07 LONG 074 27 34)											
MAR.. 1975											
25...	1020	430	4.0	880	30	5.6	.9	1.9	.6	14	
AUG.											
26...	1030	3.0	3.2	210	10	15	3.8	4.8	1.0	58	
DATE		CAR- BONATE (CO ₃) (MG/L)	ALKA- LINITY AS CACO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)
01350140 - MINE KILL NEAR NORTH BLENHEIM NY (LAT 42 25 41 LONG 074 28 22)											
MAR.. 1975											
25...	0	14	2.8	4.0	.2	.23	.10	.33	.03	.00	
AUG.											
20...	0	73	13	5.9	.1	.01	.18	.19	.01	.01	
01350200 - WEST KILL AT NORTH BLENHEIM NY (LAT 42 28 07 LONG 074 27 34)											
MAR.. 1975											
25...	0	11	6.1	3.1	.1	.27	.14	.41	.04	.01	
AUG.											
26...	0	48	8.7	3.3	.1	.02	.15	.17	.01	.01	
DATE		DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARD- NESS (CA.MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH	TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	FECAL COLI- FORM (COL. PEP 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
01350140 - MINE KILL NEAR NORTH BLENHEIM NY (LAT 42 25 41 LONG 074 28 22)											
MAR.. 1975											
25...	30	22	8	63	7.1	4.0	11.9	106	36	50	
AUG.											
20...	103	86	13	230	7.7	16.0	10.1	103	84	45	
01350200 - WEST KILL AT NORTH BLENHEIM NY (LAT 42 28 07 LONG 074 27 34)											
MAR.. 1975											
25...	29	18	6	48	6.8	3.0	13.2	107	53	76	
AUG.											
26...	69	53	6	139	8.2	22.5	8.8	106	20	70	

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SiO2) (MG/L)	TOTAL TROY (FE) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- SIUM (K) (MG/L)	RICAR- BONATE (HCO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)
HUDSON RIVER BASIN--Continued											
01351000 - FOX CREEK AT WEST BERNE NY (LAT 42 37 42 LONG 074 11 08)											
SEP., 1975 11...	1135	26	1.8	--	--	43	4.0	9.5	1.6	132	13
01351300 - COBLESKILL CREEK AT COBLESKILL NY (LAT 42 40 51 LONG 074 27 56)											
JULY, 1975 29...	1040	6.0	3.1	--	--	46	5.4	16	3.2	156	23
01356310 - SHAKER CREEK TRIBUTARY NEAR LATHAM NY (LAT 42 45 01 LONG 073 46 54)											
AUG., 1975 26...	1445	.00	13	--	--	160	48	94	53	398	370
01357995 - HUDSON RIVER AT TROY NY (LAT 42 45 05 LONG 073 41 10)											
APR., 1975 16...	0930	--	--	350	60	23	5.0	5.6	.8	64	15
MAY 14...	1045	--	--	370	50	17	2.6	3.1	.7	35	11

DATE	RESIDUE ON IGNI- TION (MG/L)	COLOR (PLAT- INUM- CORALT UNITS)	TUR- RID- ITY (JTU)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH	TEMPER- ATURE (DEG C)	CHEM- ICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
01351000 - FOX CREEK AT WEST BERNE NY (LAT 42 37 42 LONG 074 11 08)										
SEP., 1975 11...	--	--	--	120	16	283	8.0	16.0	--	--
01351300 - COBLESKILL CREEK AT COBLESKILL NY (LAT 42 40 51 LONG 074 27 56)										
JULY, 1975 29...	--	--	--	140	9	354	--	21.0	--	--
01356310 - SHAKER CREEK TRIBUTARY NEAR LATHAM NY (LAT 42 45 01 LONG 073 46 54)										
AUG., 1975 26...	--	--	--	600	270	1340	8.2	28.0	--	--
01357995 - HUDSON RIVER AT TROY NY (LAT 42 45 05 LONG 073 41 10)										
APR., 1975 16...	67	8	5	78	25	177	--	--	11	3.2
MAY 14...	62	8	6	53	24	104	--	--	14	6.7

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	TOTAL ORTHO PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	TOTAL RESIDUE (MG/L)
HUDSON RIVER BASIN--Continued											
01351000 - FOX CREEK AT WEST BERNE NY (LAT 42 37 42 LONG 074 11 08)											
SEP.. 1975 11...	15	.02	.00	.01	.25	.26	.01	.01	153	--	--
01351300 - CORLESKILL CREEK AT CORLESKILL NY (LAT 42 40 51 LONG 074 27 56)											
JULY. 1975 29...	20	.03	.02	1.3	.00	1.3	.38	.29	194	--	--
01356310 - SHAKER CREEK TRIBUTARY NEAR LATHAM NY (LAT 42 45 01 LONG 073 46 54)											
AUG.. 1975 26...	98	.01	.00	.00	.38	.38	.01	.01	1030	--	--
01357995 - HUDSON RIVER AT TROY NY (LAT 42 45 05 LONG 073 41 10)											
APR.. 1975 16...	8.8	.54	.01	.12	.16	.28	.04	.01	--	6	115
MAY 14...	6.0	.42	.01	.05	.26	.31	.03	.01	--	5	75

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES--Continued

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CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	RICAR- BONATE (MCO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)
HUDSON RIVER BASIN--Continued												
01359125 - VAN RENSSELAER CREEK AT MENANDS NY (LAT 42 41 03 LONG 073 44 32)												
AUG.. 1975 26....	0840	1.6	15	84	25	26	1.5	275	62	64	3.1	.06
01359270 - INDIAN HOUSE CREEK AT DUNNSVILLE NY (LAT 42 44 25 LONG 074 00 51)												
SEP.. 1975 05....	1510	.02	2.2	61	16	43	3.7	179	81	63	.03	.01
01359320 - ROZEN KILL NEAR ALTAMONT NY (LAT 42 42 50 LONG 074 02 47)												
SEP.. 1975 08....	1400	.96	3.5	36	8.0	16	2.0	108	34	25	.03	.00
01359325 - BLACK CREEK NEAR VOORHEESVILLE NY (LAT 42 40 35 LONG 073 57 10)												
SEP.. 1975 03....	1545	<.10	14	64	10	8.5	1.8	188	32	19	.06	.01
01359330 - BLACK CREEK NEAR GUILDERLAND CENTER NY (LAT 42 43 14 LONG 073 59 44)												
SEP.. 1975 05....	1420	<.10	11	64	8.0	11	2.2	183	49	21	.04	.01
01359340 - ROZEN KILL NEAR GUILDFRLAND CENTER NY (LAT 42 43 21 LONG 073 59 33)												
SEP.. 1975 05....	1230	5.3	4.4	53	7.0	17	2.3	143	47	28	.33	.01
01359507 - HUNGER KILL NEAR GUILDERLAND NY (LAT 42 43 25 LONG 073 55 06)												
SEP.. 1975 05....	1020	5.3	10	61	6.0	39	1.3	155	40	73	1.8	.03
01359517 - BLOCK HOUSE CREEK NEAR GUILDERLAND NY (LAT 42 41 08 LONG 073 54 05)												
SEP.. 1975 04....	1325	1.8	11	68	10	43	1.7	212	38	71	2.6	.03
01359518 - KAIKOUT KILL NEAR GUILDERLAND NY (LAT 42 41 20 LONG 073 54 08)												
SEP.. 1975 04....	1450	2.5	12	52	5.0	14	2.0	158	22	28	.50	.03
423R56073560900 - 013595205-VLY CREEK AT VOORHEESVILLE NY (LAT 42 38 56 LONG 073 56 09)												
SEP.. 1975 03....	1410	2.3	8.8	76	12	21	1.2	209	37	45	.63	.00
01359524 - KRUM KILL AT KARLSFELD NY (LAT 42 38 56 LONG 073 50 51)												
AUG.. 1975 26....	1555	2.9	10	68	15	80	3.7	219	54	130	.79	.41
01359539 - NORMANS KILL TRIBUTARY AT BETHLEHEM CENTER NY (LAT 42 36 28 LONG 073 47 42)												
AUG.. 1975 24....	1010	.10	12	86	16	20	2.4	286	48	33	1.1	.02
01359585 - VLOMAN KILL AT NEW SCOTLAND NY (LAT 42 37 27 LONG 073 54 16)												
SEP.. 1975 03....	1115	.84	7.8	64	14	8.4	1.6	178	52	27	.35	.01
01359588 - PHILLIPIN KILL AT UNIONVILLE NY (LAT 42 36 49 LONG 073 52 35)												
SEP.. 1975 03....	0845	.07	5.7	46	13	26	2.5	176	34	22	.34	.02

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL- NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)
HUDSON RIVER BASIN--Continued											
01359125 - VAN RENSSELAER CREEK AT MENANDS NY (LAT 42 41 03 LONG 073 44 32)											
AUG.. 1975 26...	.01	.14	.15	.01	.01	413	310	87	598	8.0	17.0
01359270 - INDIAN HOUSE CREEK AT DUNNSVILLE NY (LAT 42 44 25 LONG 074 00 51)											
SEP.. 1975 05...	.01	.41	.42	.01	.01	358	220	71	559	8.2	18.0
01359320 - ROZEN KILL NEAR ALTAMONT NY (LAT 42 42 50 LONG 074 02 47)											
SEP.. 1975 08...	.00	.18	.18	.01	.01	178	120	34	325	8.3	20.0
01359325 - BLACK CREEK NEAR VOORHEESVILLE NY (LAT 42 40 35 LONG 073 57 10)											
SEP.. 1975 03...	.01	.57	.58	.08	.06	242	200	47	410	8.0	20.0
01359330 - BLACK CREEK NEAR GUILDERLAND CENTER NY (LAT 42 43 14 LONG 073 59 44)											
SEP.. 1975 05...	.02	.57	.59	.06	.03	255	190	43	440	8.3	20.0
01359340 - ROZEN KILL NEAR GUILDERLAND CENTER NY (LAT 42 43 21 LONG 073 59 33)											
SEP.. 1975 05...	.00	.26	.26	.09	.07	229	160	44	411	8.0	17.0
01359507 - HUNGER KILL NEAR GUILDERLAND NY (LAT 42 43 25 LONG 073 55 06)											
SEP.. 1975 05...	.00	.19	.19	.04	.02	307	180	50	578	8.1	11.0
01359517 - BLOCK HOUSE CREEK NEAR GUILDERLAND NY (LAT 42 41 08 LONG 073 54 05)											
SEP.. 1975 04...	.01	.26	.27	.05	.03	347	210	37	617	8.2	15.0
01359518 - KAIKOUT KILL NEAR GUILDERLAND NY (LAT 42 41 20 LONG 073 54 08)											
SEP.. 1975 04...	.03	.19	.22	.11	.06	213	150	21	397	8.4	16.0
423856073560900 - 013595205-VLY CREEK AT VOORHEESVILLE NY (LAT 42 38 56 LONG 073 56 09)											
SEP.. 1975 03...	.00	.24	.24	.03	.01	304	240	68	493	7.8	15.5
01359524 - KRUM KILL AT KARLSFELD NY (LAT 42 38 56 LONG 073 50 51)											
AUG.. 1975 26...	.68	.72	1.4	.27	.22	469	230	52	888	8.3	23.0
01359539 - NORMANS KILL TRIBUTARY AT BETHLEHEM CENTER NY (LAT 42 36 28 LONG 073 47 42)											
AUG.. 1975 28...	.01	.21	.22	.03	.03	358	280	46	618	8.1	18.5
01359585 - VLOMAN KILL AT NEW SCOTLAND NY (LAT 42 37 27 LONG 073 54 16)											
SEP.. 1975 03...	.00	.34	.34	.03	.01	263	220	71	525	8.3	15.0
01359588 - PHILLIPIN KILL AT UNIONVILLE NY (LAT 42 36 49 LONG 073 52 35)											
SEP.. 1975 03...	.01	.46	.47	.08	.05	236	170	24	419	8.0	14.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES--Continued

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CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HC03) (MG/L)	DIS- SOLVED SULFATE (S04) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)
HUDSON RIVER BASIN--Continued												
01359590 - PHILLIPIN KILL NEAR FEURA BUSH NY (LAT 42 35 24 LONG 073 50 49)												
AUG., 1975 28...	1125	.06	3.8	64	20	39	3.5	294	38	50	.10	.02
01359592 - VLOMAN KILL AT MALLORYS CORNERS NY (LAT 42 33 54 LONG 073 49 48)												
AUG., 1975 28...	1225	.92	--	--	--	--	--	--	--	--	--	--
01359595 - DOWERS KILL NEAR SELKIRK NY (LAT 42 34 04 LONG 073 48 53)												
AUG., 1975 28...	1355	.00	7.5	72	17	34	3.3	280	42	55	.54	.04
01359750 - MOORDENER KILL AT CASTLETON-ON-HUDSON NY (LAT 42 32 02 LONG 073 44 15)												
JUNE, 1975 03...	1030	18	7.0	33	7.4	8.6	1.6	106	29	14	1.1	.01
01359830 - ONESOUETHAW CREEK NEAR CLARKSVILLE NY (LAT 42 33 49 LONG 073 55 44)												
SEP., 1975 02...	1455	2.5	4.5	64	6.0	20	2.3	171	33	29	.55	.00
01359904 - FEURI SPRUYT AT SOUTH BETHLEHEM NY (LAT 42 31 40 LONG 073 50 50)												
AUG., 1975 28...	1425	.02	8.0	120	44	24	13	166	360	29	1.1	.03
01359915 - HANNACROIS CREEK AT DORMANSVILLE NY (LAT 42 29 49 LONG 073 58 46)												
SEP., 1975 02...	1030	2.6	4.7	22	3.3	5.5	1.0	62	12	8.9	.10	.00
01359916 - SILVER CREEK NEAR DORMANSVILLE NY (LAT 42 28 24 LONG 073 59 17)												
SEP., 1975 02...	1250	<.10	4.6	32	3.5	9.0	1.2	93	10	14	.13	.00
01359917 - SILVER CREEK TRIBUTARY AT DORMANSVILLE NY (LAT 42 29 01 LONG 073 59 37)												
SEP., 1975 02...	1345	.40	4.3	31	2.2	8.8	1.3	95	8.8	14	.39	.00
01361465 - FOX CREEK NEAR PRESTON HOLLOW NY (LAT 42 27 46 LONG 074 10 53)												
SEP., 1975 10...	1340	.08	2.0	27	4.0	8.0	1.0	85	15	13	.00	.00
01361480 - CATSKILL CREEK TRIBUTARY AT MEDUSA NY (LAT 42 26 11 LONG 074 09 08)												
SEP., 1975 10...	1240	.07	3.7	40	5.4	9.7	2.3	126	16	19	.02	.00
01361550 - TENMILE CREEK AT MEDUSA NY (LAT 42 26 10 LONG 074 07 58)												
SEP., 1975 10...	1040	.84	3.8	22	3.1	21	1.2	63	9.1	36	.25	.00
01361560 - EIGHTMILE CREEK AT MEDUSA NY (LAT 42 26 07 LONG 074 07 24)												
SEP., 1975 10...	0940	.10	3.1	31	3.9	6.6	1.5	101	8.3	9.2	.03	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES—Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)
HUDSON RIVER BASIN—Continued											
01359590 - PHILLIPIN KILL NEAR FEURA BUSH NY (LAT 42 35 24 LONG 073 50 49)											
AUG.. 1975 28...	.01	.38	.39	.05	.03	363	240	1	512	8.1	19.5
01359592 - VLOMAN KILL AT MALLORYS CORNERS NY (LAT 42 33 54 LONG 073 49 48)											
AUG.. 1975 28...	--	--	.40	--	--	--	--	--	--	--	22.0
01359595 - DOWERS KILL NEAR SELKIRK NY (LAT 42 34 04 LONG 073 48 53)											
AUG.. 1975 28...	.04	.01	.05	.04	.03	369	250	20	511	7.7	23.0
01359750 - MOORDENER KILL AT CASTLETON-ON-HUDSON NY (LAT 42 32 02 LONG 073 44 15)											
JUNE.. 1975 03...	.01	.26	.27	.04	.02	153	110	26	280	8.1	18.5
01359830 - ONESQUETHAW CREEK NEAR CLARKSVILLE NY (LAT 42 33 49 LONG 073 55 44)											
SEP.. 1975 02...	.00	.30	.30	.01	.01	243	180	44	439	8.0	16.5
01359904 - FEURI SPRUYT AT SOUTH BETHLEHEM NY (LAT 42 31 40 LONG 073 50 50)											
AUG.. 1975 28...	.06	.08	.14	.01	.01	680	480	340	935	7.8	21.0
01359915 - HANNACROIS CREEK AT DORMANSVILLE NY (LAT 42 29 49 LONG 073 58 46)											
SEP.. 1975 02...	.00	.18	.18	.01	.01	88	69	18	226	7.6	15.0
01359916 - SILVER CREEK NEAR DORMANSVILLE NY (LAT 42 28 24 LONG 073 59 17)											
SEP.. 1975 02...	.00	.47	.47	.03	.02	120	94	18	214	7.9	17.0
01359917 - SILVER CREEK TRIBUTARY AT DORMANSVILLE NY (LAT 42 29 01 LONG 073 59 37)											
SEP.. 1975 02...	.00	.17	.17	.04	.02	117	86	9	213	7.6	16.0
01361465 - FOX CREEK NEAR PRESTON HOLLOW NY (LAT 42 27 46 LONG 074 10 53)											
SEP.. 1975 10...	.00	.00	.00	.01	.00	112	84	14	237	8.0	18.0
01361480 - CATSKILL CREEK TRIBUTARY AT MEDUSA NY (LAT 42 26 11 LONG 074 09 08)											
SEP.. 1975 10...	.00	.09	.09	.01	.01	158	120	19	295	8.0	13.0
01361550 - TENMILE CREEK AT MEDUSA NY (LAT 42 26 10 LONG 074 07 58)											
SEP.. 1975 10...	.00	.12	.12	.01	.01	127	68	16	258	7.8	11.0
01361560 - EIGHTMILE CREEK AT MEDUSA NY (LAT 42 26 07 LONG 074 07 24)											
SEP.. 1975 10...	.00	.14	.14	.01	.01	113	93	11	216	7.9	10.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES--Continued
 CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SiO ₂) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	RICAR- RONATE (HCO ₃) (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
SUSQUEHANNA RIVER BASIN												
01508650 - WEST BRANCH TIOUGHNIOGA RIVER AT PREBLE NY (LAT 42 43 55 LONG 076 07 52)												
MAY 20... 1975	1100	44	2.3	210	80	52	12	8.3	1.1	211	15	17
01508652 - WEST BRANCH TIOUGHNIOGA RIVER NEAR PREBLE NY (LAT 42 43 07 LONG 076 08 08)												
MAY 20... 1975	1200	44	2.4	180	60	59	13	9.2	1.0	213	16	19
01508705 - WEST BRANCH TIOUGHNIOGA RIVER NEAR HOMER NY (LAT 42 40 50 LONG 076 09 54)												
MAY 20... 1975	1500	75	2.3	80	20	40	9.7	6.6	.9	155	15	13
01508802 - FACTORY BROOK AT HOMER NY (LAT 42 38 36 LONG 076 10 41)												
MAY 20... 1975	1400	20	4.0	130	20	43	8.4	3.4	.9	148	15	6.9
01508905 - DRY CREEK AT CORTLAND NY (LAT 42 36 30 LONG 076 13 30)												
MAY 20... 1975	0830	3.6	4.1	240	40	29	4.5	3.2	.8	100	14	6.2
01508910 - BLUE CREEK NEAR CORTLAND NY (LAT 42 37 25 LONG 076 12 53)												
MAY 20... 1975	0745	2.4	2.7	90	10	25	4.1	3.6	1.1	85	12	7.0
01508913 - BLUE CREEK AT CORTLAND NY (LAT 42 36 15 LONG 076 12 56)												
MAY 20... 1975	1000	2.8	1.1	90	10	26	3.9	3.2	1.0	91	13	6.4
01508915 - DRY CREEK BELOW BLUE CREEK AT CORTLAND NY (LAT 42 36 06 LONG 076 12 50)												
MAY 20... 1975	1100	6.7	2.5	120	1200	29	4.2	3.4	1.0	91	14	6.9
01508918 - DRY CREEK ABOVE CORTLAND NY (LAT 42 35 58 LONG 076 12 14)												
MAY 20... 1975	1400	7.1	1.7	130	10	31	6.4	3.7	1.4	94	14	7.7
01508925 - DRY CREEK AT HAMLIN STREET AT CORTLAND NY (LAT 42 36 17 LONG 076 11 31)												
MAY 20... 1975	1040	5.8	1.0	130	10	30	4.7	3.4	.9	98	11	5.1
01508940 - OTTER CREEK NEAR CORTLAND NY (LAT 42 34 55 LONG 076 13 07)												
MAY 20... 1975	1445	7.4	4.3	150	20	53	11	5.5	.9	188	21	17
01508945 - OTTER CREEK TRIBUTARY NEAR CORTLAND NY (LAT 42 35 30 LONG 076 14 20)												
MAY 20... 1975	1335	.86	3.5	200	10	37	6.2	2.0	1.6	109	15	4.4
01508948 - OTTER CREEK TRIBUTARY NEAR CORTLAND NY (LAT 42 35 15 LONG 076 13 25)												
MAY 20... 1975	1405	.46	3.1	160	10	32	4.9	2.0	1.2	98	16	5.6

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL FLUO-RIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	HARD-NESS (CA+MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH	TEMPER-ATURE (DEG C)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	STREP-TOCOCCI (COL-ONIES PER 100 ML)
SUSQUEHANNA RIVER BASIN--Continued												
01508650 - WEST BRANCH TIOUGHNIOGA RIVER AT PREBLE NY (LAT 42 43 55 LONG 076 07 52)												
MAY , 1975 20...	.2	.57	.02	212	180	6	420	7.3	18.0	--	--	--
01508652 - WEST BRANCH TIOUGHNIOGA RIVER NEAR PRERLE NY (LAT 42 43 07 LONG 076 08 08)												
MAY , 1975 20...	.2	.79	.02	225	200	26	422	7.6	18.5	--	--	--
01508705 - WEST BRANCH TIOUGHNIOGA RIVER NEAR HOMER NY (LAT 42 40 50 LONG 076 09 54)												
MAY , 1975 20...	.2	.80	.01	164	140	13	333	7.9	16.5	--	--	--
01508802 - FACTORY BROOK AT HOMER NY (LAT 42 38 36 LONG 076 10 41)												
MAY , 1975 20...	.2	2.9	.01	155	140	21	318	8.0	16.5	142	876	33
01508905 - DRY CREEK AT CORTLAND NY (LAT 42 36 30 LONG 076 13 30)												
MAY , 1975 20...	.2	1.7	.01	111	91	9	233	7.5	12.0	81660	160	59
01508910 - BLUE CREEK NEAR CORTLAND NY (LAT 42 37 25 LONG 076 12 53)												
MAY , 1975 20...	.2	.43	.01	97	79	10	199	7.5	12.5	330	55	29
01508913 - BLUE CREEK AT CORTLAND NY (LAT 42 36 15 LONG 076 12 56)												
MAY , 1975 20...	.2	.62	.00	99	81	6	203	8.4	16.5	760	285	29
01508915 - DRY CREEK BELOW BLUE CREEK AT CORTLAND NY (LAT 42 36 06 LONG 076 12 50)												
MAY , 1975 20...	.2	1.3	.01	106	90	15	206	8.3	19.0	520	195	30
01508918 - DRY CREEK ABOVE CORTLAND NY (LAT 42 35 58 LONG 076 12 14)												
MAY , 1975 20...	.2	1.3	.01	112	100	27	216	8.7	22.0	81140	81040	31
01508925 - DRY CREEK AT HAMLIN STREET AT CORTLAND NY (LAT 42 36 17 LONG 076 11 31)												
MAY , 1975 20...	.2	1.4	.01	104	94	14	220	8.4	14.0	510	90	93
01508940 - OTTER CREEK NEAR CORTLAND NY (LAT 42 34 55 LONG 076 13 07)												
MAY , 1975 20...	.2	3.2	.02	205	180	23	409	7.8	20.0	260	135	819
01508945 - OTTER CREEK TRIBUTARY NEAR CORTLAND NY (LAT 42 35 30 LONG 076 14 20)												
MAY , 1975 20...	.1	2.6	.06	123	120	29	259	8.6	29.0	88800	8795	325
01508948 - OTTER CREEK TRIBUTARY NEAR CORTLAND NY (LAT 42 35 15 LONG 076 13 25)												
MAY , 1975 20...	.2	2.5	.05	113	100	20	233	8.0	21.5	84030	83320	255

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTAN- TANEOUS DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SiO ₂) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO ₃) (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
SUSQUEHANNA RIVER BASIN--Continued												
01508951 - OTTER CREEK ABOVE CORTLAND NY (LAT 42 35 30 LONG 076 12 32)												
MAY 20...	1975 1400	9.9	4.4	230	30	56	11	5.6	1.2	191	20	16
01508955 - OTTER CREEK AT STATE HIGHWAY 222 AT CORTLAND NY (LAT 42 36 03 LONG 076 11 23)												
MAY 20...	1975 1130	10	3.8	150	20	58	12	7.8	.8	194	20	21
01508960 - OTTER CREEK AT CORTLAND NY (LAT 42 36 25 LONG 076 10 58)												
MAY 20...	1975 0730	10	3.7	100	20	62	12	8.3	.9	200	21	19
01509104 - GRIDLEY CREEK AT PAGE GREEN RD NR BLODGETT MILLS (LAT 42 32 12 LONG 076 09 48)												
MAY 20...	1975 1400	1.8	4.9	160	10	11	2.2	3.4	1.0	24	13	6.2
01509108 - GRIDLEY CREEK NEAR BLODGETT MILLS NY (LAT 42 31 26 LONG 076 09 57)												
MAY 20...	1975 1525	2.8	4.5	200	10	11	2.3	3.6	.9	34	10	4.5
01509110 - GRIDLEY CREEK ABOVE PAGE GREEN RD NEAR VIRGIL NY (LAT 42 30 44 LONG 076 09 57)												
MAY 20...	1975 1555	4.1	4.0	140	10	12	2.3	3.9	1.0	29	12	5.4
01509115 - GRIDLEY CREEK TRIBUTARY NO 3 NEAR VIRGIL NY (LAT 42 30 36 LONG 076 10 17)												
MAY 20...	1975 1340	.43	5.1	190	0	8.4	2.0	3.1	1.2	23	12	5.5
01509116 - GRIDLEY CREEK TRIBUTARY TO TRIB NO 3 NR VIRGIL (LAT 42 30 36 LONG 076 10 22)												
MAY 20...	1975 1335	.47	3.6	240	20	32	5.3	3.7	.9	89	13	7.0
01509118 - GRIDLEY CREEK TRIBUTARY NO 3 AT MOUTH NR VIRGIL (LAT 42 30 43 LONG 076 09 57)												
MAY 20...	1975 1555	2.2	4.1	280	40	29	5.4	3.9	1.4	97	14	7.1
01509120 - GRIDLEY CREEK AT PAGE GREEN ROAD NEAR VIRGIL NY (LAT 42 30 43 LONG 076 09 44)												
MAY 20...	1975 1535	6.3	3.9	190	20	19	3.2	3.6	1.1	56	13	7.1
01509125 - GRIDLEY CREEK NEAR VIRGIL NY (LAT 42 30 38 LONG 076 09 17)												
MAY 20...	1975 1440	7.2	3.6	240	20	18	3.4	4.9	1.2	56	13	8.2
01509127 - GRIDLEY CREEK TRIBUTARY NEAR VIRGIL NY (LAT 42 30 38 LONG 076 09 05)												
MAY 20...	1975 1320	3.2	4.7	50	10	8.7	1.9	1.9	.7	22	12	1.1
01509135 - GRIDLEY CREEK AT GREEK PEAK NEAR VIRGIL NY (LAT 42 30 26 LONG 076 08 26)												
MAY 20...	1975 1230	14	4.0	150	10	18	3.4	3.8	.9	54	12	5.8

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TOTAL FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH	TEMPERATURE (DEG C)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
SUSQUEHANNA RIVER BASIN--Continued												
01508951 - OTTER CREEK ABOVE CORTLAND NY (LAT 42 35 30 LONG 076 12 32)												
MAY , 1975 20...	.1	3.2	.01	208	190	28	415	7.8	18.0	81370	81360	52
01508955 - OTTER CREEK AT STATE HIGHWAY 222 AT CORTLAND NY (LAT 42 36 03 LONG 076 11 23)												
MAY , 1975 20...	.1	3.3	.02	219	190	35	422	8.0	14.5	110	872	24
01508960 - OTTER CREEK AT CORTLAND NY (LAT 42 36 25 LONG 076 10 58)												
MAY , 1975 20...	.1	3.3	.01	226	200	40	426	7.6	12.0	8850	8350	84
01509104 - GRIDLEY CREEK AT PAGE GREEN RD NR BLODGETT MILLS (LAT 42 32 12 LONG 076 09 48)												
MAY , 1975 20...	.1	.90	.01	54	37	17	100	6.8	17.5	--	--	
01509108 - GRIDLEY CREEK NEAR BLODGETT MILLS NY (LAT 42 31 26 LONG 076 09 57)												
MAY , 1975 20...	.2	.68	.01	54	37	9	106	6.9	21.0	--	--	
01509110 - GRIDLEY CREEK ABOVE PAGE GREEN RD NEAR VIRGIL NY (LAT 42 30 44 LONG 076 09 57)												
MAY , 1975 20...	.2	.51	.00	55	39	16	100	8.0	24.0	--	--	
01509115 - GRIDLEY CREEK TRIBUTARY NO 3 NEAR VIRGIL NY (LAT 42 30 36 LONG 076 10 17)												
MAY , 1975 20...	.2	.19	.01	49	29	10	94	7.0	22.5	--	--	
01509116 - GRIDLEY CREEK TRIBUTARY TO TRIB NO 3 NR VIRGIL (LAT 42 30 36 LONG 076 10 22)												
MAY , 1975 20...	.2	1.3	.01	109	100	29	248	7.1	22.0	--	--	
01509118 - GRIDLEY CREEK TRIBUTARY NO 3 AT MOUTH NR VIRGIL (LAT 42 30 43 LONG 076 09 57)												
MAY , 1975 20...	.2	1.4	.01	113	95	15	232	7.3	19.0	--	--	
01509120 - GRIDLEY CREEK AT PAGE GREEN ROAD NEAR VIRGIL NY (LAT 42 30 43 LONG 076 09 44)												
MAY , 1975 20...	.2	.76	.01	79	61	15	153	7.4	21.0	--	--	
01509125 - GRIDLEY CREEK NEAR VIRGIL NY (LAT 42 30 38 LONG 076 09 17)												
MAY , 1975 20...	.2	.70	.00	80	59	13	173	7.7	21.0	--	--	
01509127 - GRIDLEY CREEK TRIBUTARY NEAR VIRGIL NY (LAT 42 30 38 LONG 076 09 05)												
MAY , 1975 20...	.1	.00	.01	42	30	12	80	6.9	18.0	--	--	
01509135 - GRIDLEY CREEK AT GREEK PEAK NEAR VIRGIL NY (LAT 42 30 26 LONG 076 08 26)												
MAY , 1975 20...	.1	.48	.01	75	59	15	143	8.5	16.0	126		36

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES--Continued

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CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DIS-SOLVED SILICA (SiO2) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
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SUSQUEHANNA RIVER BASIN--Continued

01509145 - GRIDLEY CREEK TRIBUTARY NO 2 NEAR EAST VIRGIL NY (LAT 42 30 14 LONG 076 07 57)

MAY 20, 1975	1125	2.8	5.2	60	10	7.9	1.8	1.5	.8	19	13
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01509190 - GRIDLEY CREEK AT SH 90 NEAR EAST VIRGIL NY (LAT 42 29 37 LONG 076 06 13)

MAY 20, 1975	0920	23	4.0	90	10	18	3.2	3.5	.8	55	12
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01509200 - GRIDLEY CREEK AT MESSENGERVILLE NY (LAT 42 29 19 LONG 076 04 26)

MAY 20, 1975	0810	28	3.9	110	10	16	3.0	3.4	.8	56	12
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01513752 - CROCKER CREEK TRIBUTARY AT EAST NEWARK NY (LAT 42 12 07 LONG 076 08 04)

MAY 28, 1975	1300	.46	--	430	30	10	2.3	2.4	1.8	31	12
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DATE	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	TURBIDITY (JTU)	HARDNESS (CA, MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	IMMEDIATE COLIFORM PER 100 ML	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
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01509145 - GRIDLEY CREEK TRIBUTARY NO 2 NEAR EAST VIRGIL NY (LAT 42 30 14 LONG 076 07 57)

MAY 20, 1975	--	--	27	12	64	7.4	14.0	--	--	--
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01509190 - GRIDLEY CREEK AT SH 90 NEAR EAST VIRGIL NY (LAT 42 29 37 LONG 076 06 13)

MAY 20, 1975	--	--	58	13	140	7.6	12.0	--	--	--
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01509200 - GRIDLEY CREEK AT MESSENGERVILLE NY (LAT 42 29 19 LONG 076 04 26)

MAY 20, 1975	--	--	52	6	142	7.3	12.0	730	876	812
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01513752 - CROCKER CREEK TRIBUTARY AT EAST NEWARK NY (LAT 42 12 07 LONG 076 08 04)

MAY 28, 1975	5	2	34	9	105	6.9	19.0	2900	340	47
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ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES—Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)
SUSQUEHANNA RIVER BASIN—Continued											
01509145 - GRIDLEY CREEK TRIBUTARY NO 2 NEAR EAST VIRGIL NY (LAT 42 30 14 LONG 076 07 57)											
MAY 20... 1975	1.1	.1	.01	.01	--	--	--	--	--	--	41
01509190 - GRIDLEY CREEK AT SH 90 NEAR EAST VIRGIL NY (LAT 42 29 37 LONG 076 06 13)											
MAY 20... 1975	5.8	.2	.33	.00	--	--	--	--	--	--	74
01509200 - GRIDLEY CREEK AT MESSENGERVILLE NY (LAT 42 29 19 LONG 076 04 26)											
MAY 20... 1975	5.9	.2	.33	.00	--	--	--	--	--	--	75
01513752 - CROCKER CREEK TRIBUTARY AT EAST NEWARK NY (LAT 42 12 07 LONG 076 08 04)											
MAY 28... 1975	.8	--	.08	.01	.01	.30	.31	.04	.01	57	

ANALYSES OF SAMPLES COLLECTED AT MICELLANEOUS SITES--Continued

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CHEMICAL ANALYSES, WATER OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	TOTAL TIRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
OHIO RIVER BASIN											
03010780 - ISCHUA CREEK AT MAPLEHURST NY (LAT 42 11 37 LONG 078 22 53)											
JULY 09...	1975 1505	52	2.5	--	--	34	6.6	6.6	1.4	133	18
03010793 - OIL CREEK NEAR HINDALE NY (LAT 42 10 47 LONG 078 22 25)											
JULY 09...	1975 1445	13	2.6	--	--	32	4.9	9.3	2.2	108	15
03010800 - OLFAN CREEK NEAR OLFAN NY (LAT 42 05 17 LONG 078 25 40.01)											
JULY 09...	1975 0900	80	2.3	--	--	35	5.9	7.0	1.6	124	18
STREAMS TRIBUTARY TO LAKE ONTARIO											
04233654 - VIRGIL CREEK NEAR VIRGIL NY (LAT 42 32 18 LONG 076 11 23)											
MAY 20...	1975 1030	.44	3.5	40	10	13	2.9	4.7	1.4	41	13
423056076114600 - 042336551-VIRGIL CREEK ABOVE VIRGIL NY (LAT 42 30 56 LONG 076 11 46)											
MAY 20...	1975 0815	2.5	4.1	450	20	9.2	2.7	3.4	1.8	25	12
423038076113400 - 042336553-VIRGIL CREEK AT VIRGIL NY (LAT 42 30 38 LONG 076 11 34)											
MAY 20...	1975 1015	2.1	3.1	80	10	15	2.3	5.2	1.4	39	13
423108076105500 - 042336557-VIRGIL CK TRIB TO TRIB NO 4 AT VIRGIL (LAT 42 31 08 LONG 076 10 55)											
MAY 20...	1975 1000	.25	4.0	290	30	12	2.8	2.0	1.4	25	14
423038076111000 - 042336559-VIRGIL TRIB NO 4 AT SH 90 AT VIRGIL NY (LAT 42 30 38 LONG 076 11 10)											
MAY 20...	1975 1055	.52	3.2	200	10	12	2.7	2.5	1.8	36	14
04233656 - VIRGIL CREEK TRIB NO 4 (SHULTZ RD) AT VIRGIL NY (LAT 42 30 29 LONG 076 11 21)											
MAY 20...	1975 1140	.45	3.0	170	20	19	3.5	2.9	1.7	53	15
423014076114700 - 042336563-VIRGIL CREEK BELOW VIRGIL NY (LAT 42 30 14 LONG 076 11 47)											
MAY 20...	1975 1215	.19	5.0	50	30	46	10	3.4	.5	152	18
423013076114600 - 042336565-VIRGIL TRIBUTARY NO 5 AT VIRGIL NY (LAT 42 30 13 LONG 076 11 46)											
MAY 20...	1975 1215	3.4	3.5	100	20	27	5.1	4.3	1.4	88	15

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROHOS)	PH (UNITS)	TEMPERATURE (DEG C)
OHIO RIVER BASIN--Continued										
03010780 - ISCHUA CREEK AT MAPLEHURST NY (LAT 42 11 37 LONG 078 22 53)										
JULY, 1975 09...	12	--	1.4	.01	152	120	15	276	7.6	22.0
03010793 - OIL CREEK NEAR HINDALE NY (LAT 42 10 47 LONG 078 22 25)										
JULY, 1975 09...	14	--	.28	.01	133	100	12	241	7.6	24.5
03010800 - OLFAN CREEK NEAR OLFAN NY (LAT 42 05 17 LONG 078 25 40.01)										
JULY, 1975 08...	11	--	.76	.01	142	110	10	261	7.4	--
STREAMS TRIBUTARY TO LAKE ONTARIO--Continued										
04233654 - VIRGIL CREEK NEAR VIRGIL NY (LAT 42 32 18 LONG 076 11 23)										
MAY, 1975 20...	8.1	.2	.58	.00	67	44	11	131	7.3	15.0
423056076114600 - 042336551-VIRGIL CREEK ABOVE VIRGIL NY (LAT 42 30 56 LONG 076 11 46)										
MAY, 1975 20...	8.9	.3	1.2	.01	54	34	14	115	6.7	15.5
423038076113400 - 042336553-VIRGIL CREEK AT VIRGIL NY (LAT 42 30 38 LONG 076 11 34)										
MAY, 1975 20...	9.2	.2	.57	.01	68	47	15	148	8.2	18.5
423108076105500 - 042336557-VIRGIL CK TRIB TO TRIB NO 4 AT VIRGIL (LAT 42 31 08 LONG 076 10 55)										
MAY, 1975 20...	4.3	.2	.96	.01	53	42	21	102	7.5	16.5
423038076111000 - 042336559-VIRGIL TRIB NO 4 AT SH 90 AT VIRGIL NY (LAT 42 30 38 LONG 076 11 10)										
MAY, 1975 20...	4.9	.2	.28	.01	59	41	12	104	8.1	22.5
04233656 - VIRGIL CREEK TRIB NO 4 (SHULTZ RD) AT VIRGIL NY (LAT 42 30 29 LONG 076 11 21)										
MAY, 1975 20...	6.2	.2	.84	.01	77	62	18	158	8.4	19.0
423014076114700 - 042336563-VIRGIL CREEK BELOW VIRGIL NY (LAT 42 30 14 LONG 076 11 47)										
MAY, 1975 20...	8.5	.2	3.3	.00	166	160	31	358	7.8	15.0
423013076114600 - 042336565-VIRGIL TRIBUTARY NO 5 AT VIRGIL NY (LAT 42 30 13 LONG 076 11 46)										
MAY, 1975 20...	9.2	.2	1.6	.01	109	88	16	230	8.0	19.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	DIS-SOLVED SILICA (SI02) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
STREAMS TRIBUTARY TO LAKE ONTARIO--Continued											
04252525 - MILL CREEK NEAR BOONVILLE N Y (LAT 43 30 43 LONG 075 19 11)											
JULY, 1975	16... 1330	8.2	6.2	--	--	47	2.3	3.7	1.3	140	11
STREAMS TRIBUTARY TO ST. LAWRENCE RIVER											
04272612 - SARANAC RIVER NEAR BLOOMINGDALE NY (LAT 44 23 36 LONG 074 03 25)											
JUNE, 1975	24... 1000	256	4.5	--	--	5.9	1.4	2.0	.3	17	6.3
04272615 - SARANAC RIVER BELOW BLOOMINGDALE NY (LAT 44 24 18 LONG 074 01 50)											
JULY, 1975	23... 1300	150	5.7	--	--	7.5	1.8	2.8	.4	20	5.5
04273400 - SARANAC RIVER ABOVE PLATTSBURG NY (LAT 44 40 09 LONG 073 30 29)											
OCT., 1974	28... 1000	E506	--	400	40	8.3	5.0	1.9	.5	31	6.6
MAY, 1975	05... 1030	E2350	--	1400	30	1.6	1.6	1.2	.8	12	7.4
04276030 - AUSABLE RIVER AT AUSABLE CHASM NY (LAT 44 31 20 LONG 073 27 35)											
OCT., 1974	28... 1100	--	--	240	220	8.5	2.7	2.5	.5	28	6.1
MAY, 1975	05... 1130	--	--	240	50	5.8	.6	1.2	.6	9	11
DATE	RESIDUE ON IGNITION (MG/L)	COLOR (PLAT-INUM-COBALT UNITS)	TURBIDITY (JTU)	HARDNESS (CA, MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH	TEMPERATURE (DEG C)	CHEMICAL OXYGEN DEMAND (LOW LEVEL) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	
04252525 - MILL CREEK NEAR BOONVILLE N Y (LAT 43 30 43 LONG 075 19 11)											
JULY, 1975	16... --	--	--	130	12	246	--	14.0	--	--	
04272612 - SARANAC RIVER NEAR BLOOMINGDALE NY (LAT 44 23 36 LONG 074 03 25)											
JUNE, 1975	24... --	--	--	21	7	--	--	--	--	--	
04272615 - SARANAC RIVER BELOW BLOOMINGDALE NY (LAT 44 24 18 LONG 074 01 50)											
JULY, 1975	23... --	--	--	26	10	63	7.2	23.0	--	--	
04273400 - SARANAC RIVER ABOVE PLATTSBURG NY (LAT 44 40 09 LONG 073 30 29)											
OCT., 1974	28... 39	30	4	41	16	80	--	--	18	--	
MAY, 1975	05... 35	27	3	11	1	44	--	--	17	7.8	
04276030 - AUSABLE RIVER AT AUSABLE CHASM NY (LAT 44 31 20 LONG 073 27 35)											
OCT., 1974	28... 47	10	2	32	9	--	--	--	13	--	
MAY, 1975	05... 35	11	2	17	10	42	--	--	13	3.6	

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	TOTAL ORTHO PHOS-PHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	TOTAL RESI-DUE (MG/L)
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STREAMS TRIBUTARY TO LAKE ONTARIO--Continued

04252525 - MILL CREEK NEAR BOONVILLE N Y (LAT 43 30 43 LONG 075 19 11)

JULY, 1975 16...	3.3	.54	.01	.00	.17	.17	.11	.08	144	--	--
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STREAMS TRIBUTARY TO ST. LAWRENCE RIVER--Continued

04272612 - SARANAC RIVER NEAR BLOOMINGDALE NY (LAT 44 23 36 LONG 074 03 25)

JUNE, 1975 24...	3.7	.23	.00	.00	.18	.18	.05	.02	32	--	--
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04272615 - SARANAC RIVER BELOW BLOOMINGDALE NY (LAT 44 24 18 LONG 074 01 50)

JULY, 1975 23...	3.4	.25	.01	.01	.51	.52	.05	.02	37	--	--
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04273400 - SARANAC RIVER ABOVE PLATTSBURG NY (LAT 44 40 09 LONG 073 30 29)

OCT., 1974 28...	2.5	.07	.00	.25	.20	.45	.02	.01	--	5	67
MAY, 1975 05...	1.1	.44	.04	.12	.41	.53	.02	.00	--	1	44

04276030 - AUSABLE RIVER AT AUSABLE CHASM NY (LAT 44 31 20 LONG 073 27 35)

OCT., 1974 28...	1.9	.70	.00	.11	.16	.27	.01	.01	--	3	71
MAY, 1975 05...	2.1	.65	.01	.04	.18	.22	.03	.01	--	18	47

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

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MINOR ELEMENT ANALYSES WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TOTAL ARSENIC (AS) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)
01336600 - MOHAWK RIVER (CANAL SECTION) AT ROME NY (LAT 43 11 58 LONG 075 23 24)					
OCT., 1974					
30...	1025	0	50	1	<.5
MAY, 1975					
07...	1230	1	30	3	<.5
01337450 - ORISKANY CREEK AT WALESVILLE NY (LAT 43 06 56 LONG 073 21 59)					
OCT., 1974					
30...	0945	0	10	0	<.5
01338600 - MOHAWK RIVER ABOVE WHITESBORO NY (LAT 43 08 23 LONG 075 18 12)					
OCT., 1974					
30...	1030	0	40	0	.5
MAY, 1975					
07...	1100	1	10	0	<.5
01342755 - MOHAWK RIVER AT HERKIMER NY (LAT 43 01 01 LONG 074 59 48)					
OCT., 1974					
30...	1130	0	30	1	<.5
MAY, 1975					
07...	1030	1	10	5	<.5
01346000 - WEST CANADA CREEK AT KAST BRIDGE NY (LAT 43 04 25 LONG 074 59 24)					
OCT., 1974					
30...	1210	0	0	0	.5
MAY, 1975					
07...	1000	1	0	0	<.5
01496380 - CANADARAGO LAKE NEAR RICHFIELD SPRINGS NY (LAT 42 49 15 LONG 075 00 42)					
OCT., 1974					
02...	0800	<1	0	3	<.5
01502632 - SUSQUEHANNA RIVER AT BAINBRIDGE NY (LAT 42 17 29 LONG 075 28 36)					
OCT., 1974					
01...	0500	1	0	5	7.8
01513500 - SUSQUEHANNA RIVER AT JOHNSON CITY NY (LAT 42 05 30 LONG 076 03 25)					
OCT., 1974					
01...	1700	1	10	6	7.9
01513831 - SUSQUEHANNA RIVER AT OWEGO NY (LAT 42 06 01 LONG 076 15 39)					
OCT., 1974					
01...	1500	1	0	5	<.5
01514937 - SUSQUEHANNA RIVER AT SMITHBORO NY (LAT 42 01 41 LONG 076 23 07)					
OCT., 1974					
01...	1400	1	0	4	<.5
01530310 - CHEMUNG RIVER AT FITCH BRIDGE NY (LAT 42 04 57 LONG 076 52 01)					
OCT., 1974					
01...	1200	1	0	5	<.5

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES--Continued
 MINOR ELEMENT ANALYSES WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TOTAL ARSENIC (AS) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)
03014590 - CASSADAGA CREEK NEAR JAMESTOWN NY (LAT 42 05 48 LONG 079 09 25)					
OCT.. 1974					
18...	1300	10	80	7	--
04213378 - CANADAWAY CREEK AT DUNKIRK NY (LAT 42 28 32 LONG 079 21 56)					
OCT.. 1974					
22...	1135	1	0	2	<.5
04213450 - BUTTERMILK CREEK NEAR SPRINGVILLE NY (LAT 42 28 50 LONG 078 40 32)					
OCT.. 1974					
22...	1345	1	0	0	<.5
04214240 - EIGHTEENMILE CREEK AT HIGHLAND-ON-THE-LAKE NY (LAT 42 42 44 LONG 078 58 00)					
OCT.. 1974					
22...	0925	0	10	0	.5
04215790 - BUFFALO RIVER AT OHIO STREET AT BUFFALO NY (LAT 42 51 42 LONG 078 52 04)					
NOV.. 1974					
25...	1450	1	10	9	<.5
04216080 - BLACK ROCK CANAL AT BUFFALO NY (LAT 42 54 54 LONG 078 54 10)					
NOV.. 1974					
25...	1355	--	10	20	<.5
04218595 - ERIE (BARGE) CANAL NEAR PENDLETON NY (LAT 43 06 57 LONG 078 44 13)					
NOV.. 1974					
25...	1020	1	10	11	<.5
04218705 - ERIE (BARGE) CANAL AT ST HWY 383 AT ROCHESTER NY (LAT 43 07 23 LONG 077 38 45)					
OCT.. 1974					
16...	1300	1	0	6	<.5
04218760 - ERIE (BARGE) CANAL AT WEST BRIGHTON NY (LAT 43 06 38 LONG 077 36 58)					
OCT.. 1974					
16...	1215	<1	10	6	<.5
04230055 - HONEYE CREEK AT WEST RUSH NY (LAT 42 58 40 LONG 077 41 52)					
OCT.. 1974					
16...	1400	<1	10	8	<.5
04230650 - GENESEE R AT BALLANTYNE BRIDGE NEAR MORTIMER NY (LAT 43 05 31 LONG 077 40 52)					
OCT.. 1974					
16...	1330	1	0	4	<.5
0423249907-SENECA LAKE AT SALT POINT NY (LAT 42 24 25 LONG 076 53 10)					
OCT.. 1974					
01...	1000	<1	0	2	7.1

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES--Continued

MINOR ELEMENT ANALYSES WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	TIME	TOTAL ARSENIC (AS) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)
04240300 - NINEMILE CREEK AT LAKELAND NY (LAT 43 04 50 LONG 076 13 36)					
OCT., 1974					
16...	0840	2	50	4	1.2
04240500 - ONONDAGA LAKE OUTLET AT LONG BRANCH NY (LAT 43 07 01 LONG 076 14 44)					
OCT., 1974					
16...	0900	<1	10	0	<.5
04242730 - FISH CREEK AT FISH CREEK LANDING NY (LAT 43 13 16 LONG 075 42 06)					
OCT., 1974					
30...	1325	3	0	0	<.5
04243535 - ONEIDA CREEK AT SOUTH BAY NY (LAT 43 09 51 LONG 075 44 14)					
OCT., 1974					
30...	1415	0	10	3	<.5
MAY, 1975					
08...	1025	1	10	0	<.5
04245500 - CHITTENANGO CREEK AT BRIDGEPORT NY (LAT 43 09 18 LONG 075 58 18)					
OCT., 1974					
16...	1530	<1	10	1	.7

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

LONG ISLAND

NASSAU COUNTY

STATION NUMBER	LOCAL IDENTIFIER	DATE OF SAMPLE	DIS-SOLVED SILICA (SIO2) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)			
404437073402301	N 17	74-10-11	10	30	140	14	9.0	14	1.9			
403921073353201	N 68	74-12-13	6.5	330	10	1.0	.1	3.0	.4			
404132073383301	N 76	75-08-12	9.5	4000	230	9.0	2.8	9.0	1.4			
404524073353501	N 101	74-12-03	10	140	20	6.5	2.7	8.5	1.0			
403952073342001	N 132	75-05-23	6.7	370	10	.5	.3	2.4	.2			
403952073342002	N 133	75-05-23	6.7	620	10	.0	.1	2.2	.2			
403951073341601	N 134	74-12-13	6.4	260	10	.4	.2	2.5	.2			
404644073440001	N 588	75-09-30	--	--	--	--	--	--	--			
404534073393302	N 651	75-08-11	14	50	10	22	8.3	17	1.4			
404229073424301	N 693	75-08-14	16	50	50	40	8.8	30	4.0			
404123073394802	N 1129	75-07-09	9.8	1900	40	29	4.4	6.0	3.2			
		75-08-07	9.8	5300	40	29	4.3	6.6	3.0			
		75-09-04	9.4	510	50	32	4.2	6.1	3.0			
404144073373902	N 1143	75-07-09	8.5	1700	0	39	6.3	15	4.1			
		75-08-07	8.6	850	0	38	6.1	14	3.9			
		75-09-03	8.4	750	10	36	6.0	13	3.9			
404342073362601	N 1160	75-09-09	4.8	910	80	4.0	.5	15	1.0			
404112073353302	N 1164	75-03-28	8.4	3700	30	26	3.2	17	4.2			
		75-07-11	8.3	80	0	27	3.6	17	4.1			
		75-08-06	8.2	40	0	39	4.8	28	4.9			
		75-09-04	7.9	120	10	24	3.2	32	4.6			
DATE OF SAMPLE	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KjELDAHL NITROGEN (N) (MG/L)
74-10-11	17	15	33	19	.0	7.7	7.6	.00	.00	.01	.09	.08
74-12-13	2	2	2.6	2.8	.0	.00	.00	.00	.00	.01	.07	.11
75-08-12	0	0	35	12	.0	.29	.29	.01	.01	.07	.04	.06
74-12-03	10	8	3.4	8.8	.0	5.3	4.9	.00	.00	.00	.06	.01
75-05-23	4	3	3.0	3.8	.1	.01	.01	.00	.00	.01	.00	.01
75-05-23	1	1	3.4	3.0	.1	.01	.01	.01	.00	.01	.02	.03
74-12-13	2	2	2.5	2.2	.0	.01	.00	.00	.00	.00	.01	.12
75-09-30	--	--	--	5.9	--	.85	.01	.01	--	.00	.12	.06
75-08-11	27	22	19	17	.1	16	16	.01	.01	.00	.06	.06
75-08-14	34	28	67	45	.3	10	9.4	.01	.01	.00	.06	.06
75-07-09	9	7	65	9.6	.0	4.4	4.3	.01	.00	.00	.11	.11
75-08-07	8	7	68	7.9	.0	3.6	3.9	.01	.01	.00	.10	.08
75-09-04	8	7	63	7.5	.0	4.7	5.1	.00	.03	.00	.08	.07
75-07-09	19	16	97	15	.0	5.3	5.2	.01	.00	.00	.07	.08
75-08-07	17	14	89	17	.0	6.0	5.5	.01	.01	.00	.08	.08
75-09-03	18	15	79	17	.1	6.3	6.2	.00	.00	.00	.09	.09
75-09-09	17	14	15	6.9	.1	3.2	1.7	.00	.01	.02	.05	.07
75-03-28	20	16	51	28	.1	--	--	--	--	--	--	.14
75-07-11	17	14	49	24	.0	--	--	--	--	--	--	.14
75-08-06	15	12	43	71	.0	6.3	6.2	.01	.01	.01	.13	.10
75-09-04	17	14	48	45	.1	6.2	6.0	.00	.00	.01	.09	.10
DATE OF SAMPLE	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)		
74-10-11	7.8	.00	.00	144	72	57	230	5.9	12.0	.1		
74-12-13	.08	.03	.00	18	3	1	23	4.9	13.0	.0		
75-08-12	.41	.01	.01	80	34	34	160	4.9	12.0	.0		
74-12-03	5.4	.00	--	68	27	19	110	5.6	12.0	.1		
75-05-23	.02	.03	.01	19	2	0	19	4.8	13.0	.0		
75-05-23	.05	.02	.00	16	0	0	20	4.8	14.0	.0		
74-12-13	.02	.01	--	16	2	0	15	5.0	14.0	.0		
75-09-30	.98	.01	.00	--	--	--	108	6.6	19.0	.0		
75-08-11	16	.01	.01	183	89	67	270	5.9	13.0	.3		
75-08-14	10	.01	.01	269	140	110	525	5.9	16.0	.2		
75-07-09	4.5	.01	.01	150	91	83	244	5.3	19.5	.1		
75-08-07	3.7	.01	.01	150	90	84	273	5.4	14.0	.1		
75-09-04	4.8	.01	.01	151	97	91	235	5.4	18.0	.0		
75-07-09	5.4	.01	.01	217	120	110	354	5.8	18.0	.1		
75-08-07	6.1	.01	.01	209	120	110	365	5.6	14.0	.1		
75-09-03	6.4	.01	.01	199	110	100	330	5.7	17.0	.1		
75-09-09	3.3	.01	.01	63	12	0	119	6.0	15.0	.0		
75-03-28	--	--	--	148	78	62	265	6.0	14.0	--		
75-07-11	--	--	--	141	82	68	295	5.7	16.0	.1		
75-08-06	6.4	.01	.01	233	120	100	465	5.8	14.0	.1		
75-09-04	6.3	.01	--	200	73	59	348	5.6	19.0	.1		

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

LONG ISLAND--Continued

NASSAU COUNTY--Continued

STATION NUMBER	LOCAL IDENTIFIER	DATE OF SAMPLE	DIS-SOLVED SILICA (SI02) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)
404036073352602	N 1165	75-07-11	13	130	2100	31	4.6	33	5.3
		75-08-06	12	100	40	30	4.2	29	4.7
403926073351504	N 1167	75-09-04	12	220	40	32	4.9	30	4.7
		75-03-28	6.5	80	10	23	3.7	6.7	1.7
		75-07-11	6.9	80	0	28	4.9	7.7	1.9
		75-08-06	7.1	60	0	31	4.6	7.9	1.9
403849073350801	N 1168	75-09-05	7.4	120	100	35	6.0	9.1	2.0
		75-08-06	9.1	350	0	21	3.9	15	3.3
404242073342102	N 1182	75-09-05	9.1	300	10	21	4.1	14	3.4
		75-02-11	12	380	1400	24	5.0	28	7.4
404137073340701	N 1183	74-11-21	14	210	910	31	3.3	37	8.0
		75-03-28	14	100	890	20	2.7	39	8.0
		75-07-10	11	120	460	20	3.3	24	5.0
		75-08-07	9.6	120	490	16	2.2	12	3.7
		75-09-02	9.3	120	510	16	2.9	15	4.1
40403707335302	N 1184	74-11-27	14	700	1200	23	4.6	37	8.5
40395607334301	N 1185	75-03-27	15	100	1100	22	4.6	33	8.6
		75-03-27	17	550	670	20	6.1	47	8.6
404832073332302	N 1193	75-08-01	17	580	840	24	4.6	52	12
		74-12-10	11	4200	250	31	12	24	3.0

DATE OF SAMPLE	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)
75-07-11	17	14	79	55	.0	8.2	8.4	.01	.00	.00	.11	.11
75-08-06	18	15	54	44	.0	7.7	7.6	.01	.04	.01	.06	.07
75-09-04	20	16	53	46	.1	10	10	.00	.00	.00	.09	.09
75-03-28	11	9	47	15	.1	--	--	--	--	--	--	--
75-07-11	20	16	51	19	.0	--	--	--	--	--	--	--
75-08-06	19	16	52	14	.0	4.4	4.4	.00	.04	.01	.06	.07
75-09-05	39	32	56	29	.1	3.5	3.5	.01	.01	.00	.04	.04
75-08-06	22	18	37	26	.0	1.5	1.4	.00	.01	.01	.04	.05
75-09-05	25	21	37	28	.1	1.6	1.6	.00	.03	.00	.06	.06
75-02-11	19	16	58	31	.0	--	--	--	--	--	--	--
74-11-21	26	21	57	35	.1	4.9	4.0	.06	.06	2.0	.00	1.9
75-03-28	23	19	56	36	.0	--	--	--	--	--	--	--
75-07-10	19	16	43	23	.0	--	--	--	--	--	--	--
75-08-07	15	12	34	11	.0	4.2	3.8	.06	.07	1.5	.10	1.6
75-09-02	21	17	32	18	.0	5.7	6.0	.01	.04	1.2	.00	1.1
74-11-27	19	16	72	35	.1	--	--	.01	.01	4.4	--	4.0
75-03-27	15	12	69	37	.0	--	--	--	--	--	--	--
75-03-27	36	30	71	33	.1	--	--	--	--	--	--	--
75-08-01	23	19	45	32	.1	--	--	--	--	--	--	--
74-12-10	26	21	64	53	.1	6.9	6.9	.04	.01	.07	.09	.16

DATE OF SAMPLE	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
75-07-11	8.3	.01	.01	266	96	82	418	5.6	17.0	.1
75-08-06	7.8	.01	.01	220	92	77	390	5.6	13.5	.1
75-09-04	10	.01	.01	237	100	84	415	5.5	19.0	.1
75-03-28	--	--	--	109	73	64	200	5.6	13.0	--
75-07-11	--	--	--	129	90	74	255	5.8	16.0	--
75-08-06	4.5	.01	.01	147	96	81	253	5.4	15.0	.1
75-09-05	3.5	.01	.01	179	110	80	310	5.6	16.0	.0
75-08-06	1.6	.01	.01	132	69	50	250	5.7	17.0	.0
75-09-05	1.7	.01	.01	136	69	49	240	5.7	15.0	.0
75-02-11	--	--	--	175	81	65	350	6.3	14.5	--
74-11-21	6.9	.01	.00	216	91	70	430	5.9	15.0	.3
75-03-28	--	--	--	187	61	42	375	5.9	13.0	--
75-07-10	--	--	--	139	64	48	368	5.3	13.0	--
75-08-07	5.9	.01	.01	113	49	37	234	5.5	13.0	.1
75-09-02	6.8	.01	.01	134	52	35	233	5.4	17.0	.1
74-11-27	--	.01	--	246	76	61	--	6.2	13.0	.2
75-03-27	--	--	--	197	74	62	375	5.5	12.5	--
75-03-27	--	--	--	221	75	46	500	5.6	12.0	--
75-08-01	--	--	--	198	79	60	575	5.2	16.5	--
74-12-10	7.1	.01	.01	241	130	110	390	6.8	11.0	.1

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

LONG ISLAND--Continued

NASSAU COUNTY--Continued

STATION NUMBER	LOCAL IDENTIFIER	DATE OF SAMPLE	DIS-SOLVED SILICA (SI02) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)
404657073332201	N 1194	74-11-12	12	880	100	27	7.9	24	2.2
		75-09-12	12	570	20	29	7.8	34	2.8
404200073315101	N 1201	75-07-10	2.5	230	0	16	3.9	33	3.4
		75-08-07	2.5	130	0	3.8	.8	16	1.6
		75-09-02	2.4	420	0	2.0	1.5	12	1.2
404130073314002	N 1202	75-03-27	11	1700	640	13	2.1	26	6.3
404130073314003	N 1202A	75-07-31	10	510	800	18	2.7	29	5.8
404014073312801	N 1204	75-03-27	19	170	140	17	5.5	17	2.4
		75-07-31	18	100	110	17	5.5	19	2.3
403934073311901	N 1205	75-03-27	21	1000	2500	29	6.7	60	4.8
404127073290903	N 1220A	75-07-30	13	110	1300	24	3.4	35	9.2
404025073290401	N 1222	74-11-15	6.6	160	830	22	2.8	32	4.3
		75-03-25	7.3	180	860	23	2.5	26	6.9
		75-07-30	7.0	150	780	24	2.6	28	7.2
		74-11-15	8.2	470	2400	20	5.0	45	6.8
403946073284901	N 1223								
404339073280901	N 1235	74-11-21	4.6	2000	50	19	2.4	12	3.7
		75-03-25	5.2	1200	70	19	2.2	20	4.8
		75-07-31	4.2	470	40	12	1.3	11	3.7
404301073275201	N 1236	75-07-29	14	1600	380	13	4.1	9.6	4.2

DATE OF SAMPLE	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CAC03 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)
74-11-12	25	21	15	72	.1	3.2	3.2	.00	.00	.11	.07	.18
75-09-12	36	30	20	89	.1	2.8	2.3	.00	.01	.01	.11	.12
75-07-10	6	5	2.2	86	.3	.35	.26	.01	.01	.00	.04	.04
75-08-07	10	8	5.4	22	.0	.22	.28	.01	.01	.00	.09	.09
75-09-02	15	12	15	3.0	.2	.86	.86	.00	.00	.00	.04	.04
75-03-27	31	25	44	19	.0	--	--	--	--	--	--	--
75-07-31	34	28	37	22	.0	--	--	--	--	--	--	--
75-03-27	19	16	36	21	.0	--	--	--	--	--	--	--
75-07-31	19	16	31	19	.1	--	--	--	--	--	--	--
75-03-27	57	47	58	110	.1	--	--	--	--	--	--	--
75-07-30	40	33	76	28	.0	--	--	--	--	--	--	--
74-11-15	38	31	40	52	.1	12	7.7	.00	.00	3.8	.00	3.8
75-03-25	43	35	44	30	.1	--	--	--	--	--	--	--
75-07-30	38	31	37	31	.1	--	--	--	--	--	--	--
74-11-15	92	75	82	26	.1	2.1	2.1	.00	.00	12	.00	11
74-11-21	5	4	25	16	.1	8.4	8.4	.00	.00	.05	.04	.09
75-03-25	8	7	31	27	.1	--	--	--	--	--	--	--
75-07-31	6	5	22	12	.0	--	--	--	--	--	--	--
75-07-29	8	7	38	12	.0	--	--	--	--	--	--	--

DATE OF SAMPLE	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS) (MG/L)	PH (UNITS)	TEMPERATURE (DEG C)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
74-11-12	3.4	.02	.01	187	100	79	375	7.4	11.0	.1
75-09-12	2.9	.01	.01	223	100	75	420	5.5	12.0	.0
75-07-10	.40	.01	.01	151	56	51	307	5.7	15.5	.1
75-08-07	.32	.01	.01	58	13	5	141	6.2	15.0	.0
75-09-02	.90	.01	.01	49	11	0	76	6.1	15.0	.0
75-03-27	--	--	--	137	41	16	265	6.4	12.0	--
75-07-31	--	--	--	141	56	28	350	6.1	20.0	--
75-03-27	--	--	--	127	65	50	265	5.8	13.5	--
75-07-31	--	--	--	121	65	50	175	5.5	14.5	--
75-03-27	--	--	--	318	100	53	540	6.2	15.0	--
75-07-30	--	--	--	208	74	41	465	5.7	15.0	--
74-11-15	15	.01	.01	213	66	35	540	5.8	15.0	.3
75-03-25	--	--	--	161	68	32	330	5.1	11.0	--
75-07-30	--	--	--	156	71	39	390	6.9	16.0	--
74-11-15	13	.13	.01	248	71	0	485	6.2	15.0	1.3
74-11-21	8.5	.01	.00	122	57	53	241	5.6	13.0	.1
75-03-25	--	--	--	113	57	50	265	5.4	12.5	--
75-07-31	--	--	--	69	35	30	175	5.7	18.0	--
75-07-29	--	--	--	99	49	43	275	5.3	15.0	--

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

LONG ISLAND--Continued

NASSAU COUNTY--Continued

STATION NUMBER	LOCAL IDENTIFIER	DATE OF SAMPLE	DIS-SOLVED SILICA (SIO ₂) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)
404036073270401	N 1240	74-11-15	14	240	490	23	2.7	33	2.0
		75-03-19	13	260	470	35	4.6	50	2.5
		75-07-29	12	190	770	26	3.6	24	1.8
		74-11-14	8.5	500	1800	22	3.2	23	5.4
404544073265602 404310073261001	N 1247	75-03-19	9.3	600	1400	18	2.6	21	5.8
		75-07-24	8.9	380	1400	15	2.6	18	7.0
		75-09-05	8.8	450	1300	15	2.3	18	6.4
		75-03-18	8.2	460	1100	39	7.2	28	6.9
404239073255201 404133073253901	N 1251	74-11-14	4.2	3300	380	22	5.4	28	4.1
		75-03-18	3.2	500	250	32	6.6	33	5.3
		75-07-24	4.0	190	7400	14	2.9	27	4.8
		75-09-04	4.2	790	140	16	3.3	29	5.0
404059073254101	N 1253	74-11-14	10	180	8000	26	5.4	47	7.2
		75-03-18	12	130	7600	21	4.0	57	5.8
		75-07-24	12	700	130	21	4.7	56	4.7
		75-09-04	13	120	6800	21	4.5	61	4.5
404015073252701	N 1254	75-03-18	12	590	3100	33	5.2	20	4.8
		75-07-29	12	170	3900	29	5.5	26	4.6
		75-09-04	11	340	4700	25	4.8	28	5.5
		75-03-18	12	500	250	32	6.6	33	5.3

DATE OF SAMPLE	BICARBONATE (HCO ₃) (MG/L)	ALKALINITY AS CaCO ₃ (MG/L)	DIS-SOLVED SULFATE (SO ₄) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)
74-11-15	56	46	34	39	.1	2.7	2.7	.01	.00	.65	.00	.63
75-03-19	53	43	37	88	.2	--	--	--	--	--	--	--
75-07-29	66	54	39	18	.2	--	--	--	--	--	--	--
74-12-09	0	0	--	--	--	--	--	--	--	--	--	--
74-11-14	28	23	38	24	.0	9.8	--	.01	.01	2.5	.00	2.3
75-03-19	28	23	46	20	.1	--	--	--	--	--	--	--
75-07-24	26	21	37	20	.1	--	--	--	--	--	--	--
75-09-05	26	21	36	18	.1	4.8	4.8	.00	.03	1.4	.80	2.2
75-03-18	110	90	82	35	.1	--	--	--	--	--	--	--
74-11-14	70	57	44	30	.1	.57	.58	.00	.00	1.0	.40	1.4
75-03-18	25	21	26	98	.2	--	--	--	--	--	--	--
75-07-24	52	43	28	25	.1	--	--	--	--	--	--	--
75-09-04	59	48	34	19	.1	5.3	5.6	.00	.00	1.5	.20	1.7
74-11-14	114	94	35	76	.1	.01	.05	.00	.00	14	.00	13
75-03-18	156	128	32	68	.2	--	--	--	--	--	--	--
75-07-24	153	126	24	59	.1	--	--	--	--	--	--	--
75-09-04	154	126	25	65	.2	.03	.00	.00	.08	1.9	1.8	3.7
75-03-18	72	59	58	36	.1	--	--	--	--	--	--	--
75-07-29	51	42	53	32	.0	--	--	--	--	--	--	--
75-09-04	66	54	49	32	.1	10	10	.00	.04	2.2	15	17

DATE OF SAMPLE	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
74-11-15	3.3	.01	.01	187	69	23	350	6.3	14.5	.2
75-03-19	--	--	--	256	110	63	510	6.2	12.0	--
75-07-29	--	--	--	157	80	26	320	6.2	16.0	--
74-12-09	--	--	--	--	--	--	280	6.0	13.0	--
74-11-14	12	.01	--	182	68	45	320	6.2	14.5	.1
75-03-19	--	--	--	137	56	33	270	6.3	12.5	--
75-07-24	--	--	--	121	48	27	285	5.9	17.0	--
75-09-05	7.0	.04	.01	139	47	26	238	5.6	17.0	.2
75-03-18	--	--	--	261	130	37	540	6.8	11.5	--
74-11-14	2.0	.01	.01	175	77	20	350	6.2	16.0	.4
75-03-18	--	--	--	217	110	87	375	6.9	12.0	--
75-07-24	--	--	--	131	47	4	295	6.6	16.5	--
75-09-04	7.0	.01	.01	165	54	5	280	6.6	22.0	.3
74-11-14	13	.09	.01	263	87	0	550	6.7	13.5	.3
75-03-18	--	--	--	277	69	0	385	5.6	11.5	--
75-07-24	--	--	--	257	72	0	525	6.2	15.0	--
75-09-04	3.7	.05	.01	270	71	0	535	6.3	17.0	.5
75-03-18	--	--	--	205	100	45	255	6.4	11.0	--
75-07-29	--	--	--	187	95	53	405	6.1	14.0	--
75-09-04	27	.05	.01	232	82	28	375	6.4	19.0	.3

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

LONG ISLAND--Continued

NASSAU COUNTY--Continued

STATION NUMBER	LOCAL IDENTIFIER	DATE OF SAMPLE	DIS-SOLVED SILICA (SI02) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)
404302073295705	N 1263	74-11-19	14	220	750	16	2.2	24	6.8
		75-03-26	15	210	670	14	2.0	22	5.5
		75-07-29	14	230	730	16	2.2	23	5.5
404713073410501	N 1328	74-10-02	7.1	110	170	2.8	1.4	3.5	6.8
404046073354601	N 1601	74-12-27	7.0	76	10	.6	.3	3.5	5.2
404029073393701	N 1602	74-10-29	8.6	240	10	.6	.7	4.0	4.4
404524073353701	N 1667	74-12-03	11	10	10	4.0	1.9	5.0	6.8
404425073424801	N 1958	75-08-14	7.9	60	10	2.8	1.5	2.9	5.3
404038073431201	N 2578	75-08-06	11	80	20	35	6.2	17	8.3
403805073395301	N 2790	74-11-01	7.1	1500	10	.5	.3	3.6	4.4
404132073311301	N 3463	75-03-17	7.0	250	10	1.5	.3	3.8	4.2
404248073402301	N 3603	74-10-08	9.8	100	120	4.0	2.1	4.8	4.7
404247073402301	N 3604	74-10-09	9.8	300	100	3.0	1.4	4.5	6.6
404153073405901	N 3605	74-10-08	10	530	140	6.8	3.3	6.6	4.7
404340073314701	N 3618	75-02-12	6.4	40	0	.3	.0	3.2	4.6
404459073402101	N 3672	74-10-03	10	50	180	12	7.8	11	1.3
404502073402401	N 3673	74-10-03	12	80	150	18	11	15	1.6
403536073394401	N 3687	74-11-01	8.4	3200	90	1.0	.8	7.5	4.8
404113073403901	N 3720	74-10-11	9.0	250	160	2.5	1.4	4.0	4.5
		75-08-14	9.5	200	20	3.2	1.0	4.2	4.6

DATE OF SAMPLE	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)
74-11-19	0	0	40	21	.5	13	13	.00	.00	.56	.00	.44
75-03-26	0	0	39	22	.5	--	--	--	--	--	--	--
75-07-29	0	0	34	20	.4	--	--	--	--	--	--	.00
74-10-02	14	12	2.5	3.4	.0	.11	.11	.00	.00	.00	.00	.12
74-12-27	1	1	6.0	3.4	.1	.02	.01	.00	.00	.01	.11	.00
74-10-29	3	3	6.4	3.6	.1	.01	.01	.00	.00	.00	.00	.07
74-12-03	10	8	1.8	6.0	.1	2.8	2.3	.00	.00	.00	.07	.04
75-08-14	5	4	5.7	6.1	.0	.05	.07	.00	.01	.00	.04	.03
75-08-06	27	22	62	29	.0	8.5	8.2	.01	.00	.15	.78	.01
74-11-01	5	5	3.8	2.1	.0	.01	.01	.00	.00	.00	.01	.00
75-03-17	0	0	4.6	4.3	.0	.00	.01	.00	.00	.01	.00	.08
74-10-08	7	7	14	6.3	.1	3.1	--	.00	--	.01	.07	.00
74-10-09	10	8	.7	4.8	.0	2.2	--	.00	--	.00	.00	.11
74-10-08	4	4	24	8.1	.0	.14	--	.00	--	.00	.11	.02
75-02-12	3	2	1.2	2.4	.1	.53	.32	.00	.01	.00	.02	.00
74-10-03	15	12	25	13	.1	7.8	--	.00	--	.00	.00	.08
74-10-03	22	19	38	17	.1	12	--	.00	--	.00	.08	.04
74-11-01	7	7	17	2.5	.0	.01	.00	.00	.00	.01	.03	.07
74-10-11	4	4	8.2	3.8	.1	.09	.09	.00	.00	.01	.06	.09
75-08-14	6	5	8.0	4.3	.0	.08	.10	.01	.00	.01	.08	.00

DATE OF SAMPLE	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	METHYLENE BLUE SUBSTANCE (MG/L)
74-11-19	13	.01	.01	182	49	49	310	5.3	14.0	.2
75-03-26	--	--	--	121	43	43	265	5.0	12.0	--
75-07-29	--	--	--	115	49	49	320	4.5	17.0	--
74-10-02	.11	.03	.00	28	13	1	44	5.7	15.0	.0
74-12-27	.14	.00	--	22	3	2	27	4.9	12.0	.0
74-10-29	.01	.01	.00	26	4	2	35	5.4	13.0	.0
74-12-03	2.9	.00	--	45	18	10	70	5.8	10.0	.0
75-08-14	.09	.01	.00	30	13	9	38	5.4	17.0	.0
75-08-06	9.4	.01	.01	218	110	91	373	5.7	14.0	.1
74-11-01	.02	.01	.00	22	2	0	25	5.6	15.0	.0
75-03-17	.00	.00	.00	22	5	5	40	4.7	12.0	.0
74-10-08	3.2	.01	.00	46	19	12	60	5.9	13.0	.0
74-10-09	2.2	.00	.00	30	13	5	65	5.8	13.0	.0
74-10-08	.25	.00	.00	62	31	27	100	5.7	13.0	.0
75-02-12	.55	.00	.00	16	1	0	24	5.5	11.0	.0
74-10-03	7.8	.00	.00	88	62	50	190	5.7	12.0	.1
74-10-03	12	.00	.00	124	90	72	270	5.9	12.0	.1
74-11-01	.05	.02	.00	45	6	0	60	7.6	21.0	.0
74-10-11	.16	.00	.00	32	12	8	55	5.8	12.5	.0
75-08-14	.18	.01	.00	34	12	7	49	5.6	14.0	.0

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

LONG ISLAND--Continued

NASSAU COUNTY--Continued

STATION NUMBER	LOCAL IDENTIFIER	DATE OF SAMPLE	DIS-SOLVED SILICA (SI02) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)
404321073402101	N 3881	74-10-21	10	20	0	4.5	2.8	6.1	.5
404805073303001	N 4133	75-09-09	8.8	310	220	20	8.0	28	2.4
404002073401901	N 4394	75-08-06	7.2	910	2300	35	9.0	36	5.8
403515073431001	N 4405	75-08-13	8.7	6300	140	2.7	1.3	13	1.0
403920073404401	N 4411	75-08-06	7.6	130	0	2.0	.4	3.4	.5
404429073305501	N 4451	75-02-12	6.5	30	0	1.0	.5	4.1	.7
404207073345501	N 4756	74-12-04	6.2	730	30	.8	.4	4.0	.2
404209073345501	N 4757	74-12-04	6.3	390	20	1.0	.0	3.0	.1
404206073341801	N 4759	74-12-04	6.5	960	20	.5	.3	4.0	.2
403606073303001	N 5129	75-02-18	8.4	830	20	2.1	.4	17	3.2
404034073431201	N 5145	75-08-06	13	1100	30	14	4.8	7.7	1.2
404040073343801	N 5187	74-12-11	6.4	400	10	.3	.2	3.0	.0
403924073392201	N 5194	74-11-04	7.0	200	0	.1	.2	3.5	.3
403924073391901	N 5195	74-11-04	6.8	120	0	.0	.2	3.0	.2
404155073345001	N 5318	74-12-06	6.8	15000	20	1.0	.5	4.2	.1
404159073345001	N 5319	75-08-11	6.8	790	0	2.4	.7	3.5	.3
404155073344801	N 5320	74-12-06	6.5	2300	20	3.0	.6	6.8	.5
404731073400601	N 5528	74-10-02	16	220	100	13	8.8	7.1	1.2
403948073392901	N 5656	74-10-30	6.8	170	10	.5	.4	3.6	.3
403946073341601	N 5696	74-12-23	6.5	410	10	.5	.3	2.5	.1

DATE OF SAMPLE	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)
74-10-21	9	8	1.5	8.6	.1	.01	.03	.00	.00	3.1	.00	3.1
75-09-09	38	31	36	46	.0	1.6	1.4	.01	.02	.39	.29	.68
75-08-06	5	4	98	70	.0	.39	.37	.01	.00	.09	.13	.22
75-08-13	3	2	19	10	.0	.01	.04	.00	.01	.01	.03	.01
75-08-06	4	3	4.0	2.2	.0	.01	.00	.00	.00	.00	.06	.06
75-02-12	4	3	.6	4.2	.2	1.6	1.4	.01	.01	.02	.03	.05
74-12-04	0	0	6.2	4.7	.1	.02	--	.00	.00	.01	.04	.05
74-12-04	0	0	8.4	3.5	.1	.01	.01	.00	.00	.01	.01	.02
74-12-04	1	1	5.1	5.2	.1	.01	.01	.00	.00	.00	.10	.10
75-02-18	28	23	18	5.1	.1	.01	.01	.01	.01	.04	.00	.04
75-08-06	6	5	39	3.8	.1	.01	.03	.00	.00	.00	.01	.01
74-12-11	2	2	2.9	2.0	.0	.03	.03	.00	.00	.05	.01	.06
74-11-04	1	1	3.0	3.5	.0	.00	.00	.00	.00	.01	.00	.01
74-11-04	0	1	3.0	3.5	.0	.00	.00	.00	.00	.01	.02	.03
74-12-06	0	0	2.7	3.2	.1	.00	.00	.00	.00	.32	.00	.32
75-08-11	1	1	26	6.0	.0	.00	.00	.00	.00	.32	.00	.32
74-12-11	1	1	5.4	3.4	.1	.08	.07	.00	.00	.01	.10	.11
74-12-06	0	0	6.3	12	.1	.01	.01	.00	.00	.03	.06	.09
74-10-02	56	47	12	8.9	.1	3.8	--	.00	--	.00	.00	.00
74-10-30	3	3	4.8	2.4	.1	.02	.03	.00	.00	.00	.00	.00
74-12-23	1	1	4.2	2.2	.0	.00	.01	.01	.00	.00	.47	.47

DATE OF SAMPLE	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
74-10-21	3.1	.22	.09	39	23	14	100	6.7	12.0	.2
75-09-09	2.3	.01	.01	174	83	52	350	4.9	13.0	.1
75-08-06	.62	.06	.01	265	120	120	485	5.0	15.0	.3
75-08-13	.02	.01	.00	57	12	10	111	5.8	20.0	.0
75-08-06	.07	.01	.01	22	7	3	26	5.1	14.0	.1
75-02-12	1.7	.01	.01	20	5	1	30	5.8	11.5	.0
74-12-04	.07	.02	--	23	4	4	27	5.3	13.0	.0
74-12-04	.03	.05	--	23	4	4	45	4.6	12.0	.0
74-12-04	.11	.29	--	23	2	2	35	4.8	12.0	.0
75-02-18	.06	.03	.01	69	7	0	108	6.4	14.0	.0
75-08-06	.02	.01	.01	87	55	50	137	5.6	13.5	.0
74-12-11	.09	.00	--	16	2	0	15	5.4	12.0	.0
74-11-04	.01	.01	.00	18	1	1	25	4.9	15.0	.0
74-11-04	.03	.01	.00	17	1	0	25	4.9	14.0	.0
74-12-06	.32	.18	--	45	5	5	99	5.4	13.0	.0
75-08-11	.19	.01	--	23	9	8	45	5.1	12.5	.0
74-12-06	.10	.01	--	36	10	10	63	5.2	11.5	.0
74-10-02	3.8	.00	.00	95	69	22	170	6.0	11.0	.1
74-10-30	.02	.01	.00	21	3	0	25	5.2	13.5	.0
74-12-23	.48	.03	--	17	2	2	23	5.0	13.0	.0

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

LONG ISLAND--Continued

NASSAU COUNTY--Continued

STATION NUMBER	LOCAL IDENTIFIER	DATE OF SAMPLE	DIS-SOLVED SILICA (SI02) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)
404908073275102	N 6093	75-09-03	6.5	60	0	1.9	1.0	3.2	.5
403533073353202	N 6850	75-02-25	3.3	50	10	2.8	.0	140	6.7
403533073353203	N 6851	75-02-25	.7	90	10	5.1	.6	4.9	2.8
403533073353205	N 6853	74-12-27	8.9	270	0	16	.7	4.5	1.0
404319073400001	N 7058	74-10-10	11	30	120	4.6	2.9	6.5	.7
404339073304401	N 7076	75-02-19	6.6	120	10	.6	.2	2.7	.6
404213073405801	N 7117	74-10-09	8.9	160	130	2.9	1.5	4.5	.6
404544073265603	N 7397	75-03-20	5.2	3800	90	4.6	1.4	6.5	1.0
		75-08-21	5.3	3300	50	3.5	2.0	5.2	1.2
		75-09-09	5.5	2300	50	3.0	1.0	5.0	1.0
404513073412401	N 7445	75-08-14	14	60	0	7.0	4.0	5.8	.8
404848073344301	N 7446	75-09-03	12	30	0	4.7	2.1	4.6	.7
404004073391901	N 7522	74-10-29	6.7	110	10	1.2	.4	3.5	.3
404639073311101	N 7562	75-09-09	6.8	60	0	2.0	.8	2.9	.3
404531073415401	N 7593	75-09-03	12	50	0	4.8	2.1	5.1	.6
404345073412001	N 7649	75-08-14	16	60	0	25	7.5	16	1.8
404236073395401	N 7720	74-10-07	8.4	60	150	2.9	1.6	5.5	.7
405012073305501	N 7772	75-09-09	13	50	0	4.5	2.1	4.6	.7
403952073342201	N 7796	75-05-23	7.1	280	0	.5	.1	2.4	.3
403803073395301	N 7884	74-10-31	8.4	2700	30	2.5	1.4	9.0	4.3

DATE OF SAMPLE	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)
75-09-03	2	2	.9	3.6	.1	1.4	1.3	.00	.00	.00	.07	.07
75-02-25	0	149	22	110	.3	.00	.06	.01	.01	.06	.03	.09
75-02-25	23	24	2.0	3.9	.2	.02	.02	.00	.01	.01	.10	.11
74-12-27	53	45	4.7	3.2	.1	.01	.01	.00	.00	.02	.05	.07
74-10-10	9	8	1.8	8.4	.1	4.6	--	.00	--	.01	.07	.08
75-02-19	4	3	1.0	2.6	.2	.08	.06	.00	.02	.00	.03	.03
74-10-09	6	6	5.1	5.1	.0	.71	--	.00	--	.04	.00	.04
75-03-20	15	12	.2	11	.0	--	--	--	--	--	--	--
75-08-21	4	3	.4	8.1	.1	2.8	2.8	.26	.00	.03	.14	.17
75-09-09	3	2	.4	8.5	.1	3.3	3.2	.00	.01	.05	.09	.14
75-08-14	27	22	2.1	5.5	.1	2.5	2.4	.00	.01	.00	.01	.01
75-09-03	18	15	.9	4.6	.1	1.5	1.5	.00	.00	.00	.03	.03
74-10-29	1	2	5.3	2.3	.1	.01	.03	.00	.00	.00	.01	.01
75-09-09	5	4	.4	3.0	.1	.72	.71	.00	.00	.00	.07	.07
75-09-03	17	14	1.1	5.0	.1	3.0	2.9	.00	.00	.00	.02	.02
75-08-14	20	16	38	21	.1	10	11	.01	.01	.01	.03	.04
74-10-07	7	7	1.8	6.3	.2	2.1	--	.00	--	.00	.09	.09
75-09-09	15	12	1.1	4.8	.1	1.8	1.7	.00	.00	.00	.02	.02
75-05-23	1	1	3.6	3.9	.0	.01	.00	.00	.01	.00	.06	.06
74-10-31	35	29	4.6	6.4	.2	5.0	2.6	.00	.00	.00	.04	.04

DATE OF SAMPLE	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS) (MG/L)	PH (UNITS)	TEMPERATURE (DEG C)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
75-09-03	1.5	.01	.01	20	9	7	33	5.2	12.0	.0
75-02-25	.10	.05	.02	365	7	0	880	10.4	15.0	.0
75-02-25	.13	.01	.00	35	15	0	55	10.0	15.0	.0
74-12-27	.08	.03	.01	66	43	0	105	9.0	14.0	.0
74-10-10	4.7	.00	.00	40	23	16	96	6.0	12.5	.0
75-02-19	.11	.00	.00	17	2	0	25	5.5	12.5	.0
74-10-09	.75	.00	.01	32	13	7	50	5.8	13.0	.0
75-03-20	--	--	--	37	17	5	90	5.2	12.0	--
75-08-21	3.3	.01	.01	31	17	14	75	5.6	11.0	.0
75-09-09	3.4	.01	.02	30	12	9	77	5.2	12.0	.0
75-08-14	2.5	.01	.00	63	34	12	98	5.8	14.0	.1
75-09-03	1.5	.01	.01	45	20	6	70	5.9	12.0	.0
74-10-29	.02	.01	.00	21	5	3	30	5.0	13.5	.0
75-09-09	.79	.01	.01	22	8	4	25	5.2	13.0	.0
75-09-03	3.0	.01	.01	52	21	7	75	6.1	12.0	.0
75-08-14	10	.01	.00	184	93	77	315	5.8	13.5	.2
74-10-07	2.2	1.2	.09	31	14	7	60	5.8	14.5	.0
75-09-09	1.8	.01	.01	46	20	8	60	5.5	12.0	.0
75-05-23	.07	.02	.00	18	2	1	24	4.8	13.5	.0
74-10-31	5.0	.01	.00	66	12	0	112	6.0	15.0	.1

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

LONG ISLAND--Continued

NASSAU COUNTY--Continued

STATION NUMBER	LOCAL IDENTIFIER	DATE OF SAMPLE	DIS-SOLVED SILICA (SI02) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)
403803073395304	N 7886	74-10-31	8.1	520	10	3.5	1.9	7.9	1.1
403803073395305	N 7887	74-10-31	8.0	190	10	4.3	.4	3.6	.5
404037073280703	N 7950	75-02-26	9.4	240	1300	25	4.4	36	7.7
404420073353201	N 7957	74-12-24	8.5	150	10	5.0	1.8	7.2	.6
404045073311601	N 8031	75-03-17	6.5	190	10	.5	.2	2.8	.2
404003073405605	N 8149	75-02-26	12	270	500	27	7.0	41	17
404203073354603	N 8235	75-07-09	7.3	380	0	30	5.5	31	3.5
		75-08-06	7.3	90	0	34	5.9	36	3.4
		75-09-03	7.1	260	10	45	6.4	32	3.3
404639073311102	N 8249	75-02-14	6.7	10	0	2.1	.7	4.1	.7
404002073333301	N 8253	74-12-05	6.1	710	20	.3	.2	12	.1
404320073401201	N 8339	74-10-07	13	50	100	7.2	4.2	8.2	.9
404203073354706	N 8396	75-02-26	7.3	750	0	28	5.0	30	2.7
404750073425301	N 8413	75-09-30	--	--	--	--	--	--	--
403559073302701	N 8414	75-02-18	8.0	990	10	.9	.0	33	2.9
404654073435701	N 8431	75-09-30	--	--	--	--	--	--	--
404446073305701	N 8525	75-02-14	6.9	20	0	2.5	.9	5.6	.8
404239073355502	N 8598	75-07-11	11	230	0	21	3.8	24	4.6
		75-08-06	11	260	0	21	3.8	24	4.6
		75-09-03	11	370	20	21	4.0	24	4.6

DATE OF SAMPLE	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	AMMONIA NITROGEN (MG/L)	TOTAL ORGANIC NITROGEN (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)
74-10-31	10	9	13	6.6	.1	.01	.01	.00	.00	1.8	.00	1.5
74-10-31	14	12	3.5	3.3	.1	.01	.01	.00	.00	.00	.01	.01
75-02-26	27	22	68	32	.2	17	16	.01	.01	3.8	1.1	4.9
74-12-24	6	5	1.6	7.9	.0	5.2	4.7	.00	.00	.00	.16	.16
75-03-17	0	0	1.7	2.5	.0	.00	.01	.00	.00	.01	.00	.00
75-02-26	46	38	61	69	.2	9.2	9.0	.00	.00	6.7	.00	5.9
75-07-09	30	25	41	51	.0	3.9	--	.00	.00	.00	.04	.04
75-08-06	33	27	40	60	.0	8.5	7.9	.00	.04	.01	.03	.04
75-09-03	38	31	40	56	.1	8.9	8.9	.00	.04	.00	.05	.05
75-02-14	7	6	1.0	4.3	.2	2.0	2.0	.00	.00	.00	.01	.01
74-12-05	5	4	8.9	3.6	.0	.01	.01	.00	.00	.01	.02	.03
74-10-07	8	7	9.0	12	.0	5.1	--	.00	--	.00	.13	.13
75-02-26	34	28	45	48	.2	7.0	7.3	.01	.00	.04	.07	.11
75-09-30	--	--	--	7.7	--	1.3	--	.01	--	.00	.07	.07
75-02-18	46	38	31	8.3	.2	.01	.03	.01	.01	.05	.00	.03
75-09-30	--	--	--	45	--	5.5	--	.01	--	.00	.02	.02
75-02-14	3	2	.9	9.2	.2	2.8	2.2	.00	.00	.00	.04	.04
75-07-11	15	12	36	35	.1	6.0	6.1	.01	.01	.00	.06	.06
75-08-06	15	12	36	36	.0	6.0	5.6	.01	.04	.01	.12	.13
75-09-03	21	17	35	38	.1	6.5	6.5	.00	.04	.00	.09	.09

DATE OF SAMPLE	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
74-10-31	1.5	.01	.01	48	17	8	75	5.9	15.0	.0
74-10-31	.02	.01	.01	31	12	1	50	6.0	16.0	.0
75-02-26	22	.01	.00	267	81	58	450	5.4	16.0	.4
74-12-24	5.4	.00	.00	65	20	15	77	5.7	12.0	.1
75-03-17	.00	.00	.00	15	2	2	15	5.0	12.0	.0
75-02-26	15	.01	.00	297	96	59	535	5.7	15.0	.1
75-07-09	3.9	.01	.01	220	98	73	389	5.6	17.0	.1
75-08-06	8.5	.01	.01	238	110	82	448	5.8	18.0	.1
75-09-03	9.0	.01	.01	248	140	110	405	5.8	19.0	.1
75-02-14	2.0	.00	--	32	8	2	45	5.5	11.0	.0
74-12-05	.04	.00	--	34	2	0	45	6.4	13.0	.0
74-10-07	5.2	.00	.00	59	35	28	130	5.6	13.0	.1
75-02-26	7.1	.01	.00	215	91	63	370	6.6	13.0	.1
75-09-30	1.4	.01	.00	--	--	--	101	6.9	15.0	.0
75-02-18	.05	.04	.01	108	2	0	155	6.6	17.0	.0
75-09-30	5.5	.01	.01	--	--	--	405	6.1	16.0	.1
75-02-14	2.8	.01	.00	38	10	7	55	5.2	11.0	.0
75-07-11	6.1	.01	.01	170	68	56	296	5.5	16.5	.1
75-08-06	6.1	.01	.01	169	68	56	304	5.5	14.5	.1
75-09-03	6.6	.01	.01	177	69	52	310	5.5	17.0	.1

CHEMICAL ANALYSES OF GROUND WATER IN NEW YORK--Continued

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

LONG ISLAND--Continued

NASSAU COUNTY--Continued

STATION NUMBER	LOCAL IDENTIFIER	DATE OF SAMPLE	DIS-SOLVED SILICA (SI02) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)
404144073285201	N 8669	75-08-07	7.8	1100	630	19	3.0	25	4.6
		75-09-02	7.9	1300	670	20	3.2	25	4.8
403833073311001	N 8670	75-02-21	.2	1400	10	1.0	2.0	4.7	1.7
404130073311401	N 8672	75-03-17	6.6	530	0	.6	.3	2.7	.2
403855073311402	N 8706	75-02-21	.2	2200	10	2.7	.5	3.2	.8
		75-07-31	1.8	12000	160	1.1	.6	4.7	1.0
404152073273002	N 8789	75-03-25	9.3	850	6200	27	4.9	39	6.9
		75-07-31	10	380	7000	23	3.9	42	6.9
		75-09-02	10	1400	5700	23	3.9	34	5.7
403959073270402	N 8848	75-07-29	13	70	1500	25	3.4	31	3.6
403903073285002	N 8863	75-03-25	8.0	1900	20	1.0	.6	3.2	.9
		75-07-30	7.8	1600	20	1.1	.6	3.8	.6
403910073271501	N 8873	75-03-26	.4	4300	60	2.0	.1	15	.5
404702073305601	N 8888	75-02-20	17	1000	1300	19	3.6	29	9.4
		75-08-20	16	1600	1500	27	5.5	21	8.1
404242073342103	N 9057	75-07-16	8.7	480	1200	32	4.2	21	5.4
404240073315802	N 9077	75-07-18	11	2100	1000	21	3.2	30	6.4

DATE OF SAMPLE	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)
75-08-07	21	17	36	31	.0	6.6	5.7	.01	.04	1.8	.00	1.8
75-09-02	25	21	39	31	.1	6.7	6.9	.01	.00	.01	2.3	2.3
75-02-21	23	19	.2	3.2	.2	.00	--	.01	.01	.02	.00	.00
75-03-17	4	3	1.5	2.0	.0	.00	.02	.00	.00	.01	.00	.00
75-02-21	7	12	.7	3.6	.1	.00	.04	.00	.01	.00	.05	.05
75-07-31	8	7	.6	3.1	.0	--	--	--	--	--	--	--
75-03-25	98	80	58	46	.1	--	--	--	--	--	--	--
75-07-31	58	48	64	39	.0	--	--	--	--	--	--	--
75-09-02	59	48	53	30	.0	11	11	.04	.01	5.6	4.4	10
75-07-29	75	62	44	22	.0	--	--	--	--	--	--	--
75-03-25	9	7	2.1	3.6	.0	--	--	--	--	--	--	--
75-07-30	6	5	1.5	2.6	.0	--	--	--	--	--	--	--
75-03-26	10	33	1.0	6.8	.0	--	--	--	--	--	--	--
75-02-20	13	11	58	23	.1	13	11	.01	.03	.06	.05	.11
75-08-20	13	11	56	29	.0	11	11	.02	.02	.03	.10	.13
75-07-16	8	7	56	29	.0	--	--	--	--	--	--	--
75-07-18	10	8	43	37	.0	--	--	--	--	--	--	--

DATE OF SAMPLE	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
75-08-07	8.4	.01	.01	162	60	43	390	5.6	14.5	.1
75-09-02	9.0	.01	.01	174	63	43	327	5.6	17.0	.1
75-02-21	.01	.01	.00	25	11	0	49	9.8	16.5	.0
75-03-17	.00	.00	.00	16	3	0	17	5.4	13.0	.0
75-02-21	.05	.01	.00	19	9	0	28	10.0	17.0	.0
75-07-31	--	--	--	17	5	0	85	6.3	15.0	--
75-03-25	--	--	--	239	88	7	435	5.8	13.5	--
75-07-31	--	--	--	217	74	26	490	6.1	13.0	--
75-09-02	21	.06	.01	238	74	25	446	6.0	16.0	.2
75-07-29	--	--	--	179	76	15	285	6.1	14.0	--
75-03-25	--	--	--	24	5	0	--	5.3	12.5	--
75-07-30	--	--	--	21	5	0	50	7.0	15.0	--
75-03-26	--	--	--	46	5	0	110	10.4	13.5	--
75-02-20	13	.01	.00	214	62	52	330	5.5	13.0	.2
75-08-20	11	.09	.00	218	90	79	340	5.6	13.0	.2
75-07-16	--	--	--	160	97	91	410	5.7	13.5	--
75-07-18	--	--	--	157	66	57	370	5.3	14.5	--

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

LONG ISLAND--Continued

SUFFOLK COUNTY

STATION NUMBER	LOCAL IDENTIFIER	DATE OF SAMPLE	DIS-SOLVED SILICA (SI02) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)
405938072195801	S 8288	74-10-22	11	1700	20	4.0	2.2	9.7	1.0
405756072173501	S 8833	75-04-21	12	370	20	5.2	3.1	16	1.1
405309072233101	S 8836	74-10-22	1.2	2900	50	.9	.8	6.0	.6
		75-04-24	.7	1000	30	.7	.7	5.4	.5
		74-10-22	6.3	460	0	12	2.5	9.8	2.0
405756072104901	S 8837	75-04-24	7.2	280	10	16	3.0	11	2.3
		74-10-22	6.9	180	210	19	3.2	42	9.9
		75-01-27	6.7	120	220	21	3.4	46	8.6
405628072164701	S 8838	75-04-22	6.7	310	210	18	2.6	46	7.6
		74-10-23	8.9	810	20	32	6.2	7.7	8.8
405948072172101	S 8844	75-04-21	8.9	640	10	40	7.4	9.5	8.5
		74-10-22	16	320	0	2.9	1.3	6.0	.0
410034072094701	S 15048	75-04-21	17	560	10	2.7	1.5	6.5	.8
		74-10-22	8.2	670	20	3.2	1.1	9.5	1.0
		75-04-22	8.6	1200	30	1.1	1.2	8.3	.8
405438072181601	S 15332	74-10-23	7.5	450	520	48	2.7	12	5.2
410033072075501	S 16121	75-04-21	7.9	2400	90	60	9.7	12	4.6
		74-10-22	10	410	20	4.0	2.9	14	2.5
404707073190402	S 18261	75-04-22	11	210	20	3.7	2.9	13	2.5
		75-05-20	7.0	70	10	1.1	.6	3.3	.3

DATE OF SAMPLE	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CAC03 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)
74-10-22	11	9	5.4	14	.1	--	2.8	--	.00	--	--	--
75-04-21	9	7	14	24	.1	--	1.4	--	.01	--	--	--
74-10-22	8	7	2.9	8.7	.0	--	.02	--	.00	--	--	--
75-04-24	4	3	4.1	7.9	.1	--	.01	--	.01	--	--	--
74-10-22	19	16	17	18	.1	--	--	--	.00	--	--	--
75-04-24	24	20	17	19	.1	--	3.2	--	.01	--	--	--
74-10-22	49	40	25	69	.1	--	2.3	--	.00	--	--	--
75-01-27	51	42	27	78	.2	.87	.90	.00	.00	1.4	1.6	3.0
75-04-22	55	45	23	72	.1	--	1.3	--	.01	--	--	--
74-10-23	7	6	80	16	.0	--	6.4	--	.00	--	--	--
75-04-21	11	9	83	22	.0	--	3.6	--	.01	--	--	--
74-10-22	17	14	3.3	8.2	.0	--	.02	--	.00	--	--	--
75-04-21	16	13	3.4	9.1	.2	--	.00	--	.01	--	--	--
74-10-22	6	5	6.0	11	.0	--	.82	--	.00	--	--	--
75-04-22	5	4	6.1	12	.2	--	.23	--	.01	--	--	--
74-10-23	7	6	110	29	.1	--	11	--	.00	--	--	--
75-04-21	9	7	130	29	.2	--	10	--	.01	--	--	--
74-10-22	11	9	13	21	.1	--	.93	--	.00	--	--	--
75-04-22	11	9	14	20	.2	--	.63	--	.01	--	--	--
75-05-20	8	7	.9	4.9	.1	.86	.85	.00	.00	.00	.07	.07

DATE OF SAMPLE	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA, MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
74-10-22	--	--	--	65	19	10	108	5.6	11.0	--
75-04-21	--	--	--	86	26	18	148	6.1	12.0	--
74-10-22	--	--	--	25	6	0	57	5.8	18.0	--
75-04-24	--	--	--	22	5	1	45	5.6	10.5	--
74-10-22	--	--	--	90	40	25	168	6.3	13.5	--
75-04-24	--	--	--	102	52	33	174	6.0	13.0	--
74-10-22	--	--	--	209	61	20	410	5.8	13.0	--
75-01-27	3.9	.01	.01	216	66	25	425	6.1	13.0	.2
75-04-22	--	--	--	209	56	11	411	6.1	12.0	--
74-10-23	--	--	--	191	110	100	320	5.6	11.5	--
75-04-21	--	--	--	201	130	120	372	5.8	12.0	--
74-10-22	--	--	--	46	13	0	70	6.3	11.5	--
75-04-21	--	--	--	49	13	0	62	6.8	12.0	--
74-10-22	--	--	--	43	13	8	77	5.8	11.0	--
75-04-22	--	--	--	42	8	4	68	5.8	11.5	--
74-10-23	--	--	--	229	130	130	450	5.6	11.0	--
75-04-21	--	--	--	302	190	180	477	5.8	12.0	--
74-10-22	--	--	--	73	22	13	135	5.8	11.0	--
75-04-22	--	--	--	76	21	12	120	5.8	11.0	--
75-05-20	.93	.01	.00	26	5	0	30	5.4	12.0	.0

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

LONG ISLAND--Continued

SUFFOLK COUNTY--Continued

STATION NUMBER	LOCAL IDENTIFIER	DATE OF SAMPLE	DIS-SOLVED SILICA (STO2) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)
404704073190401	S 18621	75-05-20	8.4	70	10	1.8	1.4	4.2	.4
404301073161901	S 19048	75-05-21	6.6	300	20	.4	.2	2.6	.4
404304073161502	S 21244	75-05-21	9.8	440	20	1.3	1.2	4.3	.6
404357073181602	S 22389	75-05-20	8.7	720	40	1.8	.8	2.7	.4
404458073182501	S 23046	75-05-21	6.6	250	10	.6	.3	2.0	.2
404458073182301	S 25617	75-05-21	6.8	250	20	.6	.5	2.1	.2
404703073264205	S 29778	75-09-12	7.1	480	40	14	12	6.5	1.9
405421072271202	S 34644	74-10-21	14	4000	80	6.0	4.0	9.4	.6
		75-04-21	18	3000	50	4.5	3.5	8.5	.9
405221072255401	S 36401	74-10-21	7.3	880	60	1.0	1.8	9.5	.4
		75-04-21	8.0	5500	30	2.0	1.8	9.3	.6
404458073182302	S 36714	75-05-21	8.4	110	10	1.4	.8	3.0	.3
404606073174602	S 40497	75-05-20	7.7	90	10	1.3	.6	2.4	.3
404825072580001	S 43736 FERT. WELL # 1	74-10-11	7.3	23000	2900	--	--	--	--
		75-05-21	--	11000	2000	--	--	--	--
		75-06-04	--	17000	3100	--	--	--	--
		75-08-08	--	--	--	--	--	--	--
404826072581101	S 43737 FERT. WELL # 2	75-04-02	--	1900	30	--	--	--	--
		75-06-03	--	5700	40	--	--	--	--
		75-08-06	--	--	--	--	--	--	--

DATE OF SAMPLE	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CAC03 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)
75-05-20	8	7	1.2	6.0	.0	1.4	1.4	.00	.00	.00	.10	.10
75-05-21	1	2	3.2	5.3	.1	.00	.00	.00	.00	.01	.00	.01
75-05-21	9	8	2.7	2.8	.3	.00	.00	.00	.01	.00	.03	.03
75-05-20	11	9	1.2	1.4	.1	.00	.01	.00	.00	.00	.02	.02
75-05-21	1	1	2.2	3.6	.1	.01	.02	.00	.00	.00	.00	.00
75-05-21	1	1	4.6	4.7	.1	.00	.00	.00	.00	.00	.00	.00
75-09-12	28	23	2.6	13	.1	--	19	--	.01	--	--	--
74-10-21	28	23	12	10	.1	--	.09	--	.00	--	--	--
75-04-21	17	14	12	12	.1	--	.17	--	.01	--	--	--
74-10-21	6	5	5.8	14	.0	--	.05	--	.00	--	--	--
75-04-21	7	6	4.9	15	.1	--	.05	--	.01	--	--	.05
75-05-21	9	8	.6	3.2	.2	.01	.00	.00	.01	.00	.05	.02
75-05-20	5	5	1.7	3.3	.2	.02	.02	.00	.00	.00	.02	.02
74-10-11	8	7	9.0	6.2	--	.24	--	.00	--	.41	.30	.71
75-04-09	8	7	--	--	--	.35	--	.00	--	.33	.17	.50
75-06-04	11	9	--	--	--	.38	--	.01	--	.22	.55	.77
75-08-08	--	--	--	--	--	.54	--	.01	--	.24	.35	.59
75-04-02	1	1	--	--	--	.29	--	.00	--	.03	.00	.00
75-06-03	5	4	--	--	--	.68	--	.01	--	.00	.40	.40
75-08-06	--	--	--	--	--	1.2	--	.00	--	.00	.06	.06

DATE OF SAMPLE	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
75-05-20	1.5	.01	.01	34	10	3	49	5.8	11.0	.0
75-05-21	.01	.11	.02	20	2	0	24	5.2	16.0	.0
75-05-21	.03	1.4	.13	28	8	1	38	5.8	11.5	.0
75-05-20	.02	.04	.01	23	8	0	30	6.0	11.0	.0
75-05-21	.01	.01	.00	16	3	2	23	5.0	11.5	.0
75-05-21	.00	.00	.00	20	4	3	25	4.8	11.5	.0
75-09-12	--	--	--	155	84	61	240	6.4	12.0	--
74-10-21	--	--	--	70	31	8	126	6.1	12.0	--
75-04-21	--	--	--	69	26	12	102	6.0	11.5	--
74-10-21	--	--	--	43	10	5	80	5.6	12.5	--
75-04-21	--	--	--	45	12	7	75	6.8	12.0	--
75-05-21	.06	.00	.00	22	7	0	26	5.8	15.0	.1
75-05-20	.04	.00	.00	20	6	1	24	5.4	11.0	--
74-10-11	.95	--	--	--	--	--	69	--	--	--
75-04-09	.85	--	--	--	--	--	69	--	--	--
75-06-04	1.2	--	--	--	--	--	64	--	--	--
75-08-08	1.1	.01	.01	--	--	--	--	--	--	--
75-04-02	.29	--	--	--	--	--	51	--	--	--
75-06-03	1.1	--	--	--	--	--	61	--	--	--
75-08-06	1.3	.01	.01	--	--	--	--	--	--	--

CHEMICAL ANALYSES OF GROUND WATER IN NEW YORK--Continued

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WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

LONG ISLAND--Continued

SUFFOLK COUNTY--Continued

STATION NUMBER	LOCAL IDENTIFIER	DATE OF SAMPLE	DIS-SOLVED SILICA (SI02) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)
404818072575301	S 43738 FERT. WELL # 3	74-10-10	8.1	1600	3500	9	7	14	6.5
		75-04-02	--	4500	50	11	9	--	--
		75-06-03	--	5900	60	11	9	--	--
		75-08-06	--	--	--	--	--	--	--
404816072580601	S 43739 FERT. WELL # 4	74-10-11	7.9	1400	110	9	7	8.3	6.3
		75-04-08	--	2400	110	6	5	--	--
		75-06-04	--	2000	17000	6	5	--	--
		75-08-08	--	--	--	--	--	--	--
404815072581401	S 43740 FERT. WELL # 5	74-10-10	5.7	960	100	5	4	5.7	2.6
		75-04-02	--	1200	20	2	2	--	--
		75-06-03	--	1600	30	5	4	--	--
		75-08-06	--	--	--	--	--	--	--
404832072580201	S 43741 FERT. WELL # 6	74-10-11	3.0	2400	250	9	7	4.0	3.2
		75-04-09	--	11000	330	2	2	--	--
		75-06-04	--	7100	190	4	3	--	--
		75-08-08	--	--	--	--	--	--	--
404830072575401	S 43742 FERT. WELL # 7	74-10-11	5.2	98000	360	23	19	7.4	8.1
		75-04-09	--	100000	200	27	22	--	--
		75-06-04	--	150000	360	39	32	--	--
		75-08-08	--	--	--	--	--	--	--

DATE OF SAMPLE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)
74-10-10	1.4	.00	.00	.09	.09	1.5	--	--	89
75-04-02	2.3	.01	.06	.00	.06	2.4	--	--	98
75-06-03	3.0	.01	.06	.00	.00	3.0	--	--	104
75-08-06	1.6	.00	.01	.03	.04	1.6	.00	.01	--
74-10-11	2.9	.00	.15	.76	.91	3.8	--	--	96
75-04-08	3.9	.01	.05	.60	.65	4.6	--	--	95
75-06-04	.85	.01	.03	.14	.17	1.0	--	--	70
75-08-08	.99	.01	.05	.59	.64	1.6	.03	.01	--
74-10-10	.96	.00	.01	.04	.05	1.0	--	--	43
75-04-02	1.0	.00	.02	.00	.00	1.0	--	--	42
75-06-03	.57	.01	.04	.79	.83	1.4	--	--	50
75-08-06	.56	.00	.01	.00	.00	.56	.01	.01	--
74-10-11	.36	.00	.73	1.7	2.4	2.8	--	--	46
75-04-09	.17	.00	.05	.73	.78	.95	--	--	49
75-06-04	.71	.01	.01	.04	.05	.77	--	--	101
75-08-08	.99	.01	.30	.90	1.2	2.2	.36	.35	--
74-10-11	.29	.03	.07	.38	.45	.77	--	--	80
75-04-09	1.9	.01	.13	.36	.49	2.4	--	--	116
75-06-04	1.1	.01	.02	.35	.37	1.5	.01	.01	123
75-08-08	.62	.01	.03	.79	.82	1.5	--	--	--

CHEMICAL ANALYSES OF GROUND WATER IN NEW YORK--Continued

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

LONG ISLAND--Continued

SUFFOLK COUNTY--Continued

STATION NUMBER	LOCAL IDENTIFIER	DATE OF SAMPLE	DIS-SOLVED SILICA (SI02) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	BICARBONATE (HC03) (MG/L)	ALKALINITY AS CAC03 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)
404830072580801	S 43743 FERT. WELL # 8	75-06-04	--	14000	610	8	7	--	--
		75-08-08	--	--	--	--	--	--	--
404829072581701	S 43744 FERT. WELL # 9	74-10-10	5.9	760	20	3	2	3.2	5.5
		75-04-09	--	740	20	3	2	--	--
		75-06-03	--	1100	20	6	5	--	--
		75-08-06	--	--	--	--	--	--	--
404812072575701	S 43745 FERT. WELL #10	74-10-11	7.6	860	120	8	7	8.1	6.5
		75-04-08	--	2200	40	4	3	--	--
		75-06-04	--	3000	160	9	7	--	--
		75-08-08	--	--	--	--	--	--	--
404806072575201	S 43746 FERT. WELL #11	74-10-11	10	1000	110	40	33	14	9.0
		75-04-08	--	1600	20	14	11	--	--
		75-06-04	--	520	20	36	30	--	--
		75-08-08	--	--	--	--	--	--	--
404756072575001	S 43747 FERT. WELL #12	74-10-10	12	680	120	24	20	11	10
404751072575501	S 43748 FERT. WELL #13	74-10-11	2.3	720	100	7	6	7.6	5.8
		75-04-08	--	4800	80	2	2	--	--
		75-06-04	--	4900	160	5	4	--	--
		75-08-08	--	--	--	--	--	--	--

DATE OF SAMPLE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	AMMONIA NITRO-GEN (N) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	TOTAL ORTHO PHOS-PHORUS (P) (MG/L)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)
75-06-04	2.8	.01	.01	.72	.73	3.5	--	--	115
75-08-08	2.2	.00	.09	.60	.69	2.9	.00	.01	--
74-10-10	.01	.02	.00	.00	.00	.03	--	--	50
75-04-09	.33	.00	.03	.00	.00	.33	--	--	52
75-06-03	.13	.01	.00	.41	.41	.55	--	--	55
75-08-06	.16	.00	.00	.04	.04	.20	.00	.01	--
74-10-11	.32	.00	.38	.29	.67	.99	--	--	63
75-04-08	1.6	.00	.11	.30	.41	2.0	--	--	76
75-06-04	1.4	.01	.05	.00	.04	1.4	--	--	72
75-08-08	1.9	.00	.11	.48	.59	2.5	.01	.01	--
74-10-11	.08	.00	1.0	.90	1.9	2.0	--	--	131
75-04-08	.17	.01	.11	.70	.81	.99	--	--	44
75-06-04	.89	.01	.20	.25	.45	1.4	--	--	124
75-08-08	1.5	.01	.35	1.8	2.1	3.6	1.1	.98	--
74-10-10	3.0	.00	.03	.03	.06	3.1	--	--	128
74-10-11	.19	.00	.98	.92	1.9	2.1	--	--	65
75-04-08	1.2	.01	.14	1.3	1.4	2.6	--	--	99
75-06-04	2.7	.00	.00	1.1	1.1	3.8	--	--	92
75-08-08	.93	.01	.28	1.4	1.7	2.6	.36	.34	--

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

LONG ISLAND--Continued

SUFFOLK COUNTY--Continued

STATION NUMBER	LOCAL IDENTIFIER	DATE OF SAMPLE	DIS-SOLVED SILICA (SI02) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)
404802072575601	S 43749 FERT. WELL #14	74-10-10	9.7	1500	130	--	--	--	--
		75-04-02	--	820	40	--	--	--	--
		75-06-03	--	1200	160	--	--	--	--
404917072583901	S 43750 FERT. WELL #15	75-08-06	--	--	--	--	--	--	--
		74-10-10	7.4	1400	360	--	--	--	--
		75-04-07	--	1600	1500	--	--	--	--
405906072153501	S 46524	75-06-03	--	1700	830	--	--	--	--
		75-08-06	--	--	--	--	--	--	--
		74-10-22	5.4	110	170	1.6	.8	16	.7
404606073174601	S 46830	75-04-23	4.9	40	100	.6	.6	16	.4
		75-05-20	6.5	80	10	1.0	.4	2.8	.4
		75-08-19	3.1	260	10	2.5	.5	2.7	.9
404920072484502	S 46911	75-08-19	3.3	140	110	18	3.1	76	4.2
404920072484602	S 46913	75-09-11	3.7	140	10	5.5	.7	19	1.5
404917072484501	S 46914	75-08-19	3.2	100	10	3.7	.4	13	1.5
405240072491402	S 47226	75-09-11	3.7	300	80	13	1.0	73	3.9
405240072491401	S 47227	75-09-11	14	790	210	12	3.0	3.6	.2
410037072145101	S 47235	74-11-04	11	11000	210	14	.9	4.2	.4
		75-05-06	13	3200	190	4.7	3.0	13	1.5

DATE OF SAMPLE	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CAC03 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)
74-10-10	21	17	13	13	--	5.1	--	.00	--	.02	.07	.09
75-04-02	9	7	--	--	--	3.6	--	.00	--	.02	.00	.00
75-06-03	10	8	--	--	--	3.1	--	.00	--	.04	1.4	1.4
75-08-06	--	--	--	--	--	3.1	--	.00	--	.01	.08	.09
74-10-10	6	5	15	35	--	5.4	--	.02	--	.04	.05	.09
75-04-07	5	4	--	--	--	3.7	--	.00	--	.04	.07	.11
75-06-03	5	4	--	--	--	3.7	--	.00	--	.00	.14	.14
75-08-06	--	--	--	--	--	3.1	--	.00	--	.00	.03	.03
74-10-22	2	2	4.8	25	.0	--	.01	--	.00	--	--	--
75-04-23	1	1	4.6	23	.2	--	.01	--	.01	--	--	--
75-05-20	3	3	.6	4.9	.2	.34	.33	.00	.00	.00	.02	.02
75-08-19	4	3	2.7	5.0	.0	.18	.15	.00	.01	.01	.01	.02
75-09-11	30	25	11	130	.1	1.7	.99	.01	.01	.15	.06	.21
75-08-19	7	6	5.7	32	.0	--	.53	--	.01	--	--	--
75-09-11	7	6	3.4	18	.0	.47	.31	.00	.00	.01	.04	.05
75-09-11	38	31	12	110	.1	--	.13	--	.01	--	--	--
75-09-11	47	39	2.4	3.4	.1	--	.00	--	.01	--	--	--
75-09-11	38	31	4.4	6.4	.0	--	.00	--	.01	--	--	--
74-11-04	25	21	6.3	13	.1	--	.02	--	.00	--	--	--
75-05-06	32	26	4.3	17	.0	--	.02	--	.00	--	--	--

DATE OF SAMPLE	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS) (MG/L)	PH (UNITS)	TEMPERATURE (DEG C)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
74-10-10	5.2	--	--	--	--	--	154	--	--	--
75-04-02	3.6	--	--	--	--	--	108	--	--	--
75-06-03	4.5	--	--	--	--	--	97	--	--	--
75-08-06	3.2	.01	.01	--	--	--	--	--	--	--
74-10-10	5.5	--	--	--	--	--	227	--	--	--
75-04-07	3.8	--	--	--	--	--	634	--	--	--
75-06-03	3.8	--	--	--	--	--	465	--	--	--
75-08-06	3.1	.08	.01	--	--	--	--	--	--	--
74-10-22	--	--	--	55	7	6	115	5.3	14.0	--
75-04-23	--	--	--	51	4	3	100	5.1	11.0	--
75-05-20	.36	.01	.00	20	4	2	25	5.6	13.0	.0
75-08-19	.20	.01	.00	20	8	5	30	6.3	13.0	.0
75-08-19	1.9	.03	.01	265	58	33	550	6.1	18.0	.1
75-09-11	--	--	--	74	17	11	140	5.7	17.5	--
75-08-19	.52	.01	.01	48	11	5	115	5.9	16.0	.0
75-09-11	--	--	--	241	37	0	475	.6	18.0	--
75-09-11	--	--	--	72	42	4	115	6.3	11.0	--
75-09-11	--	--	--	60	39	8	95	7.4	12.0	--
74-11-04	--	--	--	87	16	0	<50	6.8	18.0	--
75-05-06	--	--	--	72	24	0	130	6.5	11.0	--

CHEMICAL ANALYSES OF GROUND WATER IN NEW YORK--Continued

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

LONG ISLAND--Continued

SUFFOLK COUNTY--Continued

STATION NUMBER	LOCAL IDENTIFIER	DATE OF SAMPLE	DIS-SOLVED SILICA (SI02) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)			
410156072133601	S 47236	75-04-21	12	720	10	2.1	2.0	11	.5			
405606072202701	S 48425	74-11-04	7.8	440	10	63	70	8.0	3.2			
		75-05-01	8.0	740	10	63	9.1	7.9	3.4			
405740072190001	S 48426	74-10-22	15	660	40	18	5.4	10	.8			
		75-04-25	16	420	20	12	3.0	9.3	.6			
405618072180501	S 48427	74-10-23	9.2	620	10	19	3.9	18	5.9			
		75-04-28	9.6	10000	13000	19	4.0	14	4.3			
405704072165901	S 48428	74-10-23	7.6	720	40	1.5	1.6	6.1	.5			
		75-04-23	7.7	500	10	1.6	1.5	6.1	.5			
405807072121001	S 48429	74-10-25	7.3	860	40	45	6.2	7.8	.7			
		75-04-23	7.7	1100	20	54	6.6	8.2	.8			
405501072215501	S 48430	74-11-04	6.8	270	70	2.0	1.7	6.5	.6			
		75-05-01	7.4	100	10	3.1	1.7	7.0	1.1			
405606072235701	S 48432	74-10-21	8.4	370	20	2.5	1.5	6.9	.6			
		75-04-24	9.0	460	10	4.4	1.7	6.9	.6			
405644072220101	S 48433	74-10-22	8.3	1200	30	2.1	1.5	5.2	.4			
		75-04-25	8.7	310	10	2.1	1.5	5.2	.4			
405831072171201	S 48437	74-10-23	11	860	10	2.7	1.2	6.5	.5			
		75-04-28	11	4000		2.1	1.2	5.9	.3			
DATE OF SAMPLE	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)
75-04-21	9	9	8.0	16	.2	.02	.00	56	13	6	100	6.2
74-11-04	10	8	130	29	.1	12	.00	309	200	190	460	5.6
75-05-01	10	8	120	27	.0	12	.00	296	190	190	520	5.8
74-10-22	20	16	41	16	.0	3.2	.01	130	67	51	215	6.3
75-04-25	23	19	17	12	.2	1.4	.00	88	42	23	145	6.4
74-10-23	6	5	45	25	.1	5.5	.00	153	64	59	260	5.7
75-04-28	9	7	43	18	.0	6.3	.00	144	64	57	265	5.7
74-10-23	5	4	5.2	11	.1	.04	.00	36	10	6	64	5.9
75-04-23	7	6	5.1	13	.1	.02	.00	39	10	4	64	6.0
74-10-25	24	20	100	14	.1	4.8	.01	214	140	120	350	6.1
75-04-23	33	27	120	17	.1	3.8	.01	248	160	140	430	6.2
74-11-04	4	3	7.6	11	.1	.05	.00	38	12	9	68	5.6
75-05-01	4	3	6.1	14	.0	.05	.00	43	15	11	73	5.6
74-10-21	6	5	7.3	11	.1	.03	.00	41	12	8	70	6.2
75-04-24	7	8	5.6	14	.0	.02	.00	46	18	12	78	6.3
74-10-22	6	5	5.0	7.5	.1	.00	.00	33	11	7	60	6.2
75-04-25	8	7	6.7	9.1	.1	.01	.00	38	11	5	63	6.2
74-10-23	9	7	5.1	8.0	.1	.00	.00	40	12	4	62	6.3
75-04-28	12	10	4.3	7.0	.0	.00	.00	38	10	0	65	6.1
DATE OF SAMPLE	TEMPERATURE (DEG C)											
75-04-21	11.0											
74-11-04	12.0											
75-05-01	10.5											
74-10-22	11.0											
75-04-25	11.0											
74-10-23	11.5											
75-04-28	12.0											
74-10-23	11.0											
75-04-23	11.0											
74-10-25	11.0											
75-04-23	12.0											
74-11-04	11.5											
75-05-01	10.5											
74-10-21	10.0											
75-04-24	11.0											
74-10-22	11.0											
75-04-25	11.0											
74-10-23	10.5											
75-04-28	11.0											

CHEMICAL ANALYSES OF GROUND WATER IN NEW YORK--Continued

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

LONG ISLAND--Continued

SUFFOLK COUNTY--Continued

STATION NUMBER	LOCAL IDENTIFIER	DATE OF SAMPLE	DIS-SOLVED SILICA (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)
405844072191601	S 48438	74-10-22	11	450	150	5.0	1.8	7.5	.7
405325072262702	S 48439	75-04-29	11	320	80	4.1	1.7	7.8	.8
405325072262701	S 48440	74-10-21	13	750	20	14	2.1	7.8	.5
405349072234801	S 48441	75-04-24	14	360	10	5.1	1.9	6.7	.4
405838072154001	S 48517	74-10-22	8.5	740	30	32	7.2	12	1.0
405650072145201	S 48518	75-04-24	9.3	590	20	32	7.1	11	.8
410243071560101	S 48519	75-04-23	8.0	750	30	4.0	1.8	6.5	1.2
405818072132101	S 48520	74-10-25	11	630	40	2.9	1.2	6.0	.4
405940072164701	S 48521	75-04-23	12	230	10	3.0	1.3	5.9	.4
405858072062401	S 48522	74-10-31	21	360	50	11	3.3	11	4.7
		75-04-21	21	390	30	9.2	5.0	22	4.7
		74-10-25	11	640	100	6.0	3.2	11	4.6
		75-04-23	11	1500	130	5.5	3.2	12	4.0
		74-10-23	11	410	40	2.5	1.3	6.9	.5
		75-04-23	12	2300	20	2.8	1.2	6.4	.4
		74-10-25	9.0	620	40	5.5	3.7	16	1.2
		75-04-22	9.6	300	10	3.4	2.6	17	1.0

DATE OF SAMPLE	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CACD3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)
74-10-22	6	5	14	9.5	.1	1.5	.00	53	20	15	94	6.0
75-04-29	12	10	9.3	10	.1	1.4	.00	57	17	7	95	6.1
74-10-21	21	17	4.1	10	.1	1.5	.01	62	44	26	78	6.9
75-04-24	14	11	12	37	.2	1.5	.01	104	34	22	196	6.3
74-10-21	11	9	6.4	38	.2	1.3	.00	88	46	37	190	5.9
75-04-24	13	11	6.1	11	.2	.34	.00	53	21	10	81	6.9
74-10-22	8	7	80	19	.1	5.2	.01	187	110	100	305	6.1
75-04-24	8	7	78	22	.2	5.4	.01	188	110	100	340	6.1
75-04-23	6	5	7.7	12	.1	.29	.01	46	17	12	81	5.8
74-10-25	8	7	5.5	8.2	.1	.03	.00	39	12	6	65	6.3
75-04-23	12	10	5.9	11	.2	.01	.00	46	13	3	68	6.5
74-10-31	30	25	11	28	.1	--	--	101	41	16	205	6.5
75-04-21	41	38	11	30	.1	2.3	.01	133	44	10	235	6.6
74-10-25	7	6	13	17	.1	4.3	.02	88	28	22	155	5.7
75-04-23	12	10	8.9	21	.2	4.3	.02	91	27	17	160	5.9
74-10-23	8	7	5.0	8.0	.1	.34	.02	39	12	5	70	6.2
75-04-23	11	9	5.5	12	.1	.09	.00	46	12	3	70	6.4
74-10-25	10	8	8.2	32	.1	.11	.01	81	29	21	170	6.0
75-04-22	12	10	8.5	28	.2	.17	.00	77	19	9	153	6.4

DATE OF SAMPLE	TEMPERATURE (DEG C)
74-10-22	9.5
75-04-29	10.0
74-10-21	11.0
75-04-24	13.0
74-10-21	12.0
75-04-24	12.0
74-10-22	12.0
75-04-24	12.5
75-04-23	12.0
74-10-25	11.0
75-04-23	11.0
74-10-31	12.0
74-10-31	12.0
75-04-21	12.0
74-10-25	11.0
75-04-23	11.0
74-10-23	10.5
75-04-23	11.0
74-10-25	12.0
75-04-22	11.0

CHEMICAL ANALYSES OF GROUND WATER IN NEW YORK—Continued

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

LONG ISLAND—Continued

SUFFOLK COUNTY—Continued

STATION NUMBER	LOCAL IDENTIFIER	DATE OF SAMPLE	DIS-SOLVED SILICA (SI02) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)			
410149071583201	S 48577	74-10-31	15	490	50	4.5	5.5	10	.6			
		75-04-21	13	620	30	4.9	2.3	11	1.4			
405928072110401	S 48578	74-10-31	11	460	50	4.1	.6	7.5	.3			
		74-11-04	11	680	100	4.2	1.4	18	1.0			
		75-05-02	12	560	60	7.0	1.7	35	2.1			
410316071535501	S 48579	74-10-31	12	2400	150	6.6	1.9	10	.8			
		75-04-21	12	2500	50	6.0	3.9	26	2.7			
410024072103201	S 48580	74-11-04	9.7	1000	80	1.3	2.3	13	.6			
		75-05-02	10	260	10	1.8	2.1	10	.6			
405121072490601	S 48946	75-09-16	9.6	330	20	14	5.0	10	2.9			
405846072093001	S 49898	74-10-25	7.3	2700	40	.7	1.8	7.9	.8			
		75-04-22	2.7	890	70	2.2	.9	6.7	.7			
410147072184101	S 51184	74-11-04	10	700	270	13	16	180	6.7			
410132072184601	S 51185	74-11-04	9.3	830	160	2.1	2.1	7.9	.4			
410047072184701	S 51186	74-11-04	9.6	720	510	13	6.1	30	.9			
405716072413301	S 51566	75-03-07	9.8	920	110	88	15	13	4.9			
405630072442001	S 51577	75-03-10	7.4	4500	160	46	8.0	9.4	6.2			
405722072342001	S 51581	75-03-07	7.6	280	40	70	11	10	4.2			
405853072353901	S 51582	75-03-07	10	280	1300	19	4.2	27	5.9			
405809072370901	S 51587	75-03-10	8.7	600	110	24	4.8	8.6	8.7			
405634072380501	S 51588	75-03-10	7.4	500	30	60	10	9.7	3.2			
DATE OF SAMPLE	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)
74-10-31	23	19	6.3	19	.1	--	--	--	.01	--	--	--
75-04-21	20	16	5.5	19	.2	--	.56	--	--	--	--	--
74-10-31	16	13	4.8	22	.1	--	--	--	--	--	--	--
74-11-04	14	11	7.9	22	.1	--	2.1	--	.00	--	--	--
75-05-02	19	16	8.5	51	.0	--	3.4	--	.01	--	--	--
74-10-31	7	6	14	37	.1	--	--	--	--	--	--	--
75-04-21	27	22	15	40	.2	--	.46	--	.01	--	--	--
74-11-04	6	5	13	14	.1	--	1.0	--	.00	--	--	--
75-05-02	6	5	9.4	14	.0	--	.54	--	.00	--	--	--
75-09-16	9	7	27	20	.1	--	4.7	--	.01	--	--	--
74-10-25	7	6	3.9	13	.1	--	.09	--	.00	--	--	--
75-04-22	5	4	2.8	15	.2	--	.26	--	.00	--	--	--
74-11-04	14	11	64	290	.1	--	1.3	--	.00	--	--	--
74-11-04	10	8	8.1	9.8	.1	--	.16	--	.00	--	--	--
74-11-04	15	12	17	55	.1	--	4.3	--	.00	--	--	--
75-03-07	5	4	230	39	.1	15	15	.01	.01	.10	.06	.16
75-03-10	10	8	120	22	.1	9.8	9.3	.01	.01	.06	.06	.12
75-03-07	7	6	170	31	.1	10	12	.00	.00	.04	.20	.24
75-03-07	30	25	49	31	.1	17	14	.01	.01	.06	.04	.10
75-03-10	14	11	44	19	.2	11	9.4	.03	.02	.05	.06	.11
75-03-10	12	10	150	28	.2	11	11	.01	.01	.03	.07	.10
DATE OF SAMPLE	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)		
74-10-31	--	--	--	72	34	15	127	7.0	11.0	--		
75-04-21	--	--	--	70	22	5	116	6.6	11.0	--		
74-10-31	--	--	--	58	13	0	136	6.1	14.0	--		
74-11-04	--	--	--	82	16	5	133	6.2	14.0	--		
75-05-02	--	--	--	142	24	9	290	6.1	11.0	--		
74-10-31	--	--	--	86	24	19	210	5.9	12.0	--		
75-04-21	--	--	--	121	31	9	235	5.9	12.0	--		
74-11-04	--	--	--	57	13	8	100	5.9	12.0	--		
75-05-02	--	--	--	53	13	8	97	5.8	10.5	--		
75-09-16	--	--	--	114	56	48	200	5.3	12.0	--		
74-10-25	--	--	--	39	9	3	79	5.7	12.0	--		
75-04-22	--	--	--	35	9	5	69	5.9	11.0	--		
74-11-04	--	--	--	587	98	87	958	5.6	14.0	--		
74-11-04	--	--	--	45	14	6	78	5.8	13.0	--		
74-11-04	--	--	--	158	58	45	280	5.6	12.0	--		
75-03-07	15	.03	.03	402	280	280	710	5.6	11.0	.1		
75-03-10	9.9	.02	.04	224	150	140	406	5.7	11.0	.1		
75-03-07	10	.03	.04	360	220	210	550	5.1	11.5	.1		
75-03-07	17	.05	.02	223	65	40	550	5.3	11.0	.1		
75-03-10	11	.02	.03	167	80	68	265	5.6	11.0	.1		
75-03-10	11	.12	.10	323	190	180	510	6.0	10.5	.1		

LONG ISLAND—Continued
SUFFOLK COUNTY—Continued

STATION NUMBER	LOCAL IDENTIFIER	DATE OF SAMPLE	DIS-SOLVED SILICA (SI) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)
405349072494101	S 51592	75-08-19	6.5	240	10	5.0	1.7	7.1	.8
405912072220701	S 52657	75-09-16	6.5	120	20	3.0	.8	7.0	.8
405411072261901	S 52658	74-10-23	11	710	20	3.3	2.3	9.0	.4
		75-04-21	12	1500	30	3.0	2.4	9.3	.9
405434072204001	S 52666	74-10-21	9.3	1900	20	5.5	2.5	7.0	.5
		75-01-27	9.4	150	10	2.5	2.9	7.1	.8
405554072200101	S 52669	75-04-21	9.9	610	20	2.7	2.5	7.2	.6
		74-10-23	3.6	2700	10	12	2.6	8.1	2.4
405503072165001	S 52679	75-04-23	4.2	9600	30	25	5.0	13	3.9
		74-10-23	8.1	320	490	46	10	11	10
405600072150001	S 52683	75-04-21	8.4	220	310	44	9.4	9.0	10
		74-10-23	6.0	350	0	26	4.4	16	5.7
405632072115601	S 52686	75-04-21	6.1	400	20	27	4.5	14	5.5
		74-10-23	.7	1200	0	30	7.8	9.5	11
410057072315501	S 53322	75-04-21	7.3	3600	40	29	6.2	9.3	10
		74-10-23	7.7	30	0	17	5.8	12	2.1
410702072221601	S 53323	ABC 74-11-06	11	220	20	12	4.1	12	2.7
410104072303301	S 53324	AB 74-11-27	13	50	20	28	11	13	1.2
		AC 74-10-18	9.9	140	30	23	6.2	23	2.2
				60	100	26	8.4	23	3.2

DATE OF SAMPLE	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)
75-08-19												
75-09-16	3	2	11	13	.1	.46	.33	.00	.01	.01	.03	.04
74-10-23	3	2	10	9.2	.1	--	.45	--	.01	--	--	--
75-04-21	17	14	6.3	11	.1	--	.43	--	.00	--	--	--
74-10-21	17	14	6.6	13	.3	--	.32	--	.00	--	--	--
75-01-27	16	13	6.5	10	.0	--	.69	--	.01	--	--	--
75-04-21	12	10	6.2	10	.0	.32	.33	.00	.00	.00	.00	.00
74-10-23	14	11	6.6	11	.1	--	.21	--	.01	--	--	--
75-04-23	13	11	14	19	.1	--	4.6	--	.00	--	--	--
74-10-23	9	7	40	28	.1	--	8.2	--	.01	--	--	--
75-04-21	5	4	96	28	.1	--	14	--	.00	--	--	--
74-10-23	5	4	84	24	.3	--	15	--	.01	--	--	--
75-04-21	21	17	45	32	.0	--	5.2	--	.00	--	--	--
74-10-23	22	18	44	27	.1	--	6.7	--	.01	--	--	--
75-04-21	11	9	57	25	.0	--	8.6	--	.00	--	--	--
74-10-23	8	7	61	23	.1	--	5.6	--	.01	--	--	--
75-04-21												
74-10-23	13	11	27	24	.0	--	4.8	--	.00	--	--	--
75-04-22	10	8	20	24	.0	--	3.7	--	.01	--	--	--
74-11-06	9	7	77	22	.0	--	5.5	--	.00	--	.01	.06
74-11-27	15	12	42	32	.1	--	5.7	--	.00	.01	.07	.08
74-10-18	4	3	53	48	.1	--	6.5	--	.00	.01	.08	.09

DATE OF SAMPLE	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS) (MG/L)	PH (UNITS)	TEMPERATURE (DEG C)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
75-08-19										
75-09-16	.50	.01	.00	48	19	17	92	5.5	12.0	.0
74-10-23	--	--	--	41	11	8	80	5.5	12.0	--
75-04-21	--	--	--	52	18	4	90	5.8	11.0	--
74-10-21	--	--	--	57	17	3	90	5.9	12.5	--
75-01-27	--	--	--	49	24	11	60	6.0	12.0	--
75-04-21	.32	.01	.00	45	18	8	75	5.8	10.0	.0
74-10-23	--	--	--	48	17	6	77	6.8	11.0	--
75-04-23	--	--	--	88	41	30	155	6.0	13.0	--
74-10-23	--	--	--	160	83	76	287	5.6	12.0	--
75-04-21	--	--	--	274	160	150	475	5.3	11.0	--
74-10-23	--	--	--	258	150	140	420	5.4	12.0	--
75-04-21	--	--	--	168	83	66	320	6.1	11.5	--
74-10-23	--	--	--	169	86	68	287	6.1	12.0	--
75-04-21	--	--	--	191	11	98	305	6.1	12.0	--
74-10-23	--	--	--	175	98	91	315	5.8	12.5	--
75-04-21	--	--	--							
74-10-23	--	--	--	123	66	56	210	5.7	12.0	--
75-04-22	--	--	--	104	47	39	179	5.4	12.0	--
74-11-06	--	--	--	192	120	110	370	6.2	11.5	.1
74-11-27	--	--	--	174	83	71	296	5.8	12.5	.1
74-10-18	--	--	--	202	100	96	400	5.5	12.0	.1

A Additional analyses in Minor Element analyses of ground waters in New York.
B Additional analyses in Radiochemical analyses of ground waters in New York.
C Additional analyses in Pesticide analyses of ground waters in New York.

CHEMICAL ANALYSES OF GROUND WATER IN NEW YORK--Continued
 WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

 LONG ISLAND--Continued
 SUFFOLK COUNTY--Continued

STATION NUMBER	LOCAL IDENTIFIER	'E OF SAMPLE	DIS-SOLVED SILICA (SI02) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)			
410007072331901	S 53325	BC 74-11-11	9.8	120	100	74	15	16	4.3			
410229072295701	S 53326	C 74-10-22	--	--	--	--	--	--	--			
410022072293601	S 53327	ABC 74-10-10	7.7	80	100	43	8.6	8.7	3.8			
410234072243601	S 53328	ABC 74-11-13	8.8	30	60	22	3.7	5.5	3.2			
410140072281601	S 53329	ABC 75-02-04	11	130	50	70	20	13	2.2			
410706072203201	S 53330	ABC 75-01-08	12	20	100	24	8.9	18	3.0			
410753072205501	S 53331	ABC 74-12-09	12	190	50	5.0	4.5	17	.2			
405843072324301	S 53332	ABC 74-10-03	6.4	0	10	14	1.5	8.0	3.2			
405924072342301	S 53333	BC 74-10-31	9.0	50	--	40	5.2	10	3.2			
405959072303901	S 53334	ABC 74-10-08	7.4	70	90	26	4.7	5.6	2.4			
410304072262701	S 53335	BC 74-11-15	7.1	50	60	76	14	--	11			
410017072315501	S 53336	AC 74-11-04	6.9	30	30	31	4.9	21	6.6			
410906072171301	S 53337	ABC 75-03-11	16	250	70	48	27	28	2.6			
410412072261301	S 53338	74-11-22	9.0	630	50	55	8.8	20	6.8			
410604072222201	S 53539	ABC 74-12-20	7.6	180	70	17	2.8	10	1.0			
405559072141301	S 54828	C 75-03-26	4.7	760	20	67	10	13	1.6			
410857072164901	S 54831	C 75-03-26	8.1	130	470	190	38	29	3.3			
405435072190501	S 54833	C 75-03-26	5.2	70	10	33	11	14	13			
410215072244101	S 54835	C 75-03-26	8.8	110	20	65	12	14	1.9			
405528072243501	S 57807	74-10-23	7.7	18000	170	1.9	3.3	5.5	.6			
		75-04-22	7.5	15000	110	.5	1.4	5.3	.8			
DATE OF SAMPLE	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	AMMONIA NITROGEN (N) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)
74-11-11	10	8	170	35	.1	--	15	--	.00	.01	.06	.07
74-10-22	--	--	--	--	--	--	--	--	--	--	--	--
74-10-10	7	6	70	21	.1	--	14	--	.00	--	--	--
74-11-13	4	3	62	8.3	.1	--	.84	--	.00	.06	.03	.09
75-02-04	11	9	200	32	.2	--	15	--	.00	.04	.17	.21
75-01-08	16	13	61	26	.0	--	10	--	.00	.16	.00	.16
74-12-09	12	10	13	32	.4	--	.14	--	.00	.01	.05	.06
74-10-03	5	4	28	11	.0	--	3.2	--	.00	--	--	--
74-10-31	11	9	83	20	.0	--	6.0	--	.00	.00	.06	.06
74-10-08	6	5	65	12	.1	--	2.7	--	.00	--	--	--
74-11-15	3	2	180	39	.1	--	18	--	.00	.03	.11	.14
74-11-04	8	7	75	32	.1	--	6.9	--	.00	.00	.14	.14
75-03-11	19	16	140	68	.2	--	8.0	--	.01	.03	.05	.08
74-11-22	13	11	110	32	.1	--	12	--	.00	--	--	.20
74-12-20	9	7	38	14	.1	--	1.7	--	.00	--	--	--
75-03-26	16	13	110	99	.4	17	14	.00	.01	.01	.07	.08
75-03-26	10	8	460	100	.3	23	21	.01	.01	.01	.28	.29
75-03-26	10	8	60	26	.2	20	1.7	.00	.01	.00	.23	.14
75-03-26	9	7	120	30	.1	21	25	.01	.01	.00	.14	--
74-10-23	0	0	36	5.0	.1	--	.03	--	.00	--	--	--
75-04-22	0	0	7.0	8.8	.2	--	.02	--	.01	--	--	--
DATE OF SAMPLE	TOTAL NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL ORTHO PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS) (MG/L)	PH	TEMPERATURE (DEG C)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)		
74-11-11	--	--	--	396	250	240	810	5.8	13.0	.2		
74-10-22	--	--	--	--	--	--	520	6.0	11.0	--		
74-10-10	--	--	--	228	140	140	435	5.5	12.0	.1		
74-11-13	--	--	--	119	70	67	235	5.4	12.0	.0		
75-02-04	--	--	--	420	260	250	715	--	11.0	.1		
75-01-08	--	--	--	205	97	83	420	6.1	12.5	.1		
74-12-09	--	--	--	91	31	21	225	6.0	12.0	.0		
74-10-03	--	--	--	89	41	37	160	5.9	11.0	.1		
74-10-31	--	--	--	203	120	110	400	6.1	11.0	--		
74-10-08	--	--	--	138	84	79	285	6.0	11.5	.0		
74-11-15	--	--	--	427	250	250	910	5.4	12.0	.2		
74-11-04	--	--	--	212	98	91	460	5.9	12.0	.1		
75-03-11	--	--	--	375	230	220	618	6.3	11.5	.1		
74-11-22	--	--	--	301	170	160	645	5.8	12.0	.2		
74-12-20	--	--	--	102	54	47	260	6.0	13.5	.0		
75-03-26	17	.00	.00	376	210	200	548	--	--	.1		
75-03-26	23	.01	.01	927	630	620	1310	--	--	.2		
75-03-26	20	.00	.01	175	130	120	415	--	--	.2		
75-03-26	21	.01	.01	367	210	200	552	--	--	.1		
74-10-23	--	--	--	60	18	18	140	5.9	11.0	--		
75-04-22	--	--	--	32	7	7	95	6.0	11.5	--		

A Additional analyses in Minor Element analyses of ground waters in New York.
 B Additional analyses in Radiochemical analyses of ground waters in New York.
 C Additional analyses in Pesticide analyses of ground waters in New York.

MINOR ELEMENT ANALYSES OF GROUND WATER IN NEW YORK

705

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

Note: See table of Chemical Analyses of Ground Water in New York for additional analyses on each sample reported below.

LOCAL IDENTIFIER	DATE OF SAMPLE	TOTAL ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	TOTAL COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)
N 1164	75-07-11	0	0	0	0	20	8	0	860
N 1167	75-07-11	0	0	0	1	0	6	1	20
N 1183	75-07-10	0	0	10	0	80	10	0	2300
N 1202A	75-07-31	0	0	10	0	20	28	1	250
N 1204	75-07-31	0	0	<10	0	10	4	0	690
N 1220A	75-07-30	0	0	<10	0	80	11	0	140
N 1222	75-07-30	0	1	10	0	80	16	1	140
N 1235	75-07-31	0	0	10	2	50	44	0	170
N 1236	75-07-29	0	0	<10	0	0	1	0	160
N 1240	75-07-29	0	0	<10	0	10	0	0	90
N 1250	75-07-24	0	1	0	0	10	4	1	210
N 1252	75-07-24	0	0	0	0	0	6	1	210
N 1253	75-07-24	0	0	0	0	90	5	0	80
N 1254	75-07-29	0	0	<10	0	10	3	0	120
N 1263	75-07-29	0	0	<10	0	170	11	0	360
N 8706	75-07-31	0	0	<10	0	10	12	0	20
N 8789	75-07-31	0	0	<10	0	20	5	0	330
N 8848	75-07-29	0	0	<10	0	0	2	0	220
N 8863	75-07-30	0	1	10	0	20	5	0	10
N 9077	75-07-18	1	2	10	2	10	4	0	50
S 53322	BC 74-11-06	0	0	0	0	10	1	0	100
S 53323	B 74-11-27	1	0	<10	0	10	3	0	60
S 53324	C 74-10-18	<1	0	0	0	0	2	4	110
S 53327	BC 74-10-10	<1	0	<10	1	0	4	2	90
S 53328	BC 74-11-13	2	0	0	0	0	1	0	10
S 53329	BC 75-02-04	0	1	0	0	20	3	2	20
S 53330	BC 75-01-08	0	0	0	0	10	1	2	10
S 53331	BC 74-12-09	0	0	0	0	0	2	0	60
S 53332	BC 74-10-03	0	0	<10	1	10	2	<2	10
S 53334	BC 74-10-08	<1	0	0	5	10	1	<2	120
S 53336	C 74-11-04	0	0	0	0	0	3	0	630
S 53337	BC 75-03-11	0	0	0	1	10	2	1	10
S 53539	BC 74-12-20	1	0	0	0	0	3	0	10

B Additional analyses in Radiochemical analyses of ground waters in New York.

C Additional analyses in Pesticide analyses of ground waters in New York.

RADIOCHEMICAL ANALYSES OF GROUND WATER IN NEW YORK

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

Note: See tables of Chemical Analyses of Ground Water in New York for additional analyses on each sample reported below.

LOCAL IDENTIFIER	DATE OF SAMPLE	DIS-SOLVED GROSS ALPHA AS U-NAT. (UG/L)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L)	TOTAL FILTERABLE RESIDUE (MG/L)
S 53322	AC 74-11-06	<3.5	3.2	2.6	220
S 53323	A 74-11-27	<2.2	<.9	<.7	170
S 53325	C 74-11-11	5.2	6.5	5.2	490
S 53327	AC 74-10-10	<4.0	6.5	5.5	290
S 53328	AC 74-11-13	2.2	4.4	3.5	120
S 53329	AC 75-02-04	<5.0	3.5	2.9	450
S 53330	AC 75-01-08	<1.8	2.6	2.0	170
S 53331	AC 74-12-09	<.7	.8	.7	90
S 53332	AC 74-10-03	2.0	4.5	3.5	110
S 53333	C 74-10-31	<2.8	3.3	2.6	270
S 53334	AC 74-10-08	<2.4	2.8	2.3	180
S 53335	C 74-11-15	8.7	15	12	550
S 53337	AC 75-03-11	<5.9	3.2	2.8	520
S 53539	AC 74-12-20	<.9	1.9	1.5	110

A Additional analyses in Minor Element analyses of ground waters in New York.

C Additional analyses in Pesticide analyses of ground waters in New York.

PESTICIDE ANALYSES OF GROUND WATER IN NEW YORK

WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

Note: See table of Chemical Analyses of Ground Water in New York for additional analyses on each sample reported below.

LOCAL IDENTIFIER	DATE OF SAMPLE	TOTAL ALDRIN (UG/L)	TOTAL CHLOR-DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DI-AZINON (UG/L)	TOTAL DI-ELDRIN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)
S 53322	AB 74-11-06	.00	.0	.00	.00	.00	.00	.00	.00	.00
S 53324	A 74-10-18	.00	.0	.00	.00	.00	.00	.00	.00	.00
S 53325	B 74-11-11	.00	.0	.00	.00	.00	.00	.00	.00	.00
S 53326	74-10-22	.00	.0	.00	.00	.00	.00	.00	.00	.00
S 53327	AB 74-10-10	.00	.0	.00	.00	.00	.00	.00	.00	.00
S 53328	AB 74-11-13	.00	.0	.00	.00	.00	.00	.00	.00	.00
S 53329	AB 75-02-04	.00	.0	.00	.00	.00	.00	.00	.00	.00
S 53330	AB 75-01-08	.00	.0	.00	.00	.00	.00	.00	.00	.00
S 53331	AB 74-12-09	.00	.0	.00	.00	.00	.00	.00	.00	.00
S 53332	AB 74-10-03	.00	.0	.00	.00	.00	.00	.00	.00	.00
S 53333	B 74-10-31	.00	.0	.00	.00	.00	<.01	.00	.00	.00
S 53334	AB 74-10-08	.00	.0	.00	.00	.00	.00	.00	.00	.00
S 53335	B 74-11-15	.00	.0	.00	.00	.00	.00	.00	.00	.00
S 53336	A 74-11-04	.00	.0	.00	.00	.00	.00	.00	.00	.00
S 53337	AB 75-03-11	.00	.0	.00	.00	.00	.00	.00	.00	.00
S 53539	AB 74-12-20	.00	.0	.00	.00	.00	.00	.00	.00	.00
S 54828	75-03-26	.00	.0	.00	.00	.00	.00	.00	.00	.00
S 54831	75-03-26	.00	.0	.00	.00	.00	.00	.00	.00	.00
S 54833	75-03-26	.00	.0	.00	.00	.00	.00	.00	.00	.00
S 54835	75-03-26	.00	.0	.00	.00	.00	.00	.00	.00	.00

LOCAL IDENTIFIER	DATE OF SAMPLE	TOTAL HEPTA-CHLOR (UG/L)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA-THION (UG/L)	TOTAL METHYL PARA-THION (UG/L)	TOTAL METHYL TRI-THION (UG/L)	TOTAL PARA-THION (UG/L)	TOTAL PCB (UG/L)	TOTAL TOX-APHENE (UG/L)
S 53322	74-11-06	.00	.00	.00	.00	.00	.00	.00	.0	0
S 53324	74-10-18	.00	.00	.00	.00	.00	.00	.00	.0	0
S 53325	74-11-11	.00	.00	.00	.00	.00	.00	.00	.0	0
S 53326	74-10-22	.00	.00	.00	.00	.00	.00	.00	.0	0
S 53327	74-10-10	.00	.00	.00	.00	.00	.00	.00	.0	0
S 53328	74-11-13	.00	.00	.00	.00	.00	.00	.00	.0	0
S 53329	75-02-04	.00	.00	.00	.00	.00	.00	.00	.0	0
S 53330	75-01-08	.00	.00	.00	.00	.00	.00	.00	.0	0
S 53331	74-12-09	.00	.00	.00	.00	.00	.00	.00	.0	0
S 53332	74-10-03	.00	.00	.00	.00	.00	.00	.00	.0	0
S 53333	74-10-31	.00	.00	.00	.00	.00	.00	.00	.0	0
S 53334	74-10-08	.00	.00	.00	.00	.00	.00	.00	.0	0
S 53335	74-11-15	.00	.00	.00	.00	.00	.00	.00	.0	0
S 53336	74-11-04	.00	.00	.00	.00	.00	.00	.00	.0	0
S 53337	75-03-11	.00	.00	.00	.00	.00	.00	.00	.0	0
S 53539	74-12-20	.00	.00	.00	.00	.00	.00	.00	.0	0
S 54828	75-03-26	.00	.00	.00	.00	.00	.00	.00	.0	0
S 54831	75-03-26	.00	.00	.00	.00	.00	.00	.00	.0	0
S 54833	75-03-26	.00	.00	.00	.00	.00	.00	.00	.0	0
S 54835	75-03-26	.00	.00	.00	.00	.00	.00	.00	.0	0

LOCAL IDENTIFIER	DATE OF SAMPLE	TOTAL TRI-THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
S 53322	74-11-06	.00	.00	.00	.00
S 53324	74-10-18	.00	.00	.00	.00
S 53325	74-11-11	.00	.00	.00	.00
S 53326	74-10-22	.00	.00	.00	.00
S 53327	74-10-10	.00	.00	.00	.00
S 53328	74-11-13	.00	.00	.00	.00
S 53329	75-02-04	.00	.00	.00	.00
S 53330	75-01-08	.00	.00	.00	.00
S 53331	74-12-09	.00	.00	.00	.00
S 53332	74-10-03	.00	--	--	--
S 53333	74-10-31	.00	.00	.00	.00
S 53334	74-10-08	.00	.00	.00	.00
S 53335	74-11-15	.00	.00	.00	.00
S 53336	74-11-04	.00	.00	.00	.00
S 53337	75-03-11	.00	.00	.00	.00
S 53539	74-12-20	.00	.00	.00	.00
S 54828	75-03-26	.00	.00	.00	.00
S 54831	75-03-26	.00	.00	.00	.00
S 54833	75-03-26	.00	.00	.00	.00
S 54835	75-03-26	.00	.00	.00	.00

A Additional analyses in Minor Element analyses of ground waters in New York.

B Additional analyses in Radiochemical analyses of ground waters in New York.

CHEMICAL QUALITY OF PRECIPITATION

LONG ISLAND

AT MINEOLA, N.Y.

LOCATION.--Lat 40°44'17", long 73°38'17", Nassau County, at National Weather Service Station Mineola 1W on roof of U.S. Geological Survey office, at 1505 Kellum Place, in Mineola.

RECORDS AVAILABLE.--Chemical analyses: October 1965 to September 1975 (monthly composite).

EQUIPMENT.--The sample collector is a straight-sided glass funnel approximately 5.0 in (127 mm) in diameter which drains into a 4-litre glass receiving bottle. A glass wool filter is used to prevent large particles of debris from entering the receiving bottle. The glass funnel is heated during the cold weather season to aid in full collection of snow. The receiving bottle is enclosed in an insulated box. The opening for the collector is approximately 25 ft (8 m) above ground level.

REMARKS.--Inches of precipitation is that for the National Weather Service Station for the reported period of sampling.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

PERIOD OF COLLECTION	INCHES OF PRECIPITATION	CALCIUM (CA) (MG/L)	MAGNESIUM (MG)	SODIUM (NA) (MG/L)	POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLORIDE (CL) (MG/L)
74/10/01 TO 74/11/01	2.34	1.50	.50	.50	.00	2.0	4.20	.90
74/11/01 TO 74/12/02	3.50	.40	.50	1.00	.00	2.0	3.80	2.50
74/12/02 TO 75/01/02	3.76	.50	.30	.50	.00	1.0	2.50	.00
75/01/02 TO 75/02/03	5.19	.80	.30	1.10	.40	1.0	3.20	2.10
75/02/03 TO 75/03/03	3.43	2.10	.50	1.00	.00	4.0	4.90	1.80
75/03/03 TO 75/04/01	3.36	1.90	.50	3.30	.00	6.0	5.10	5.50
75/04/01 TO 75/05/01	3.48	1.70	.50	.40	.00	3.0	3.70	1.40
75/05/01 TO 75/06/02	6.12	.90	.20	.00	.10	.0	2.50	.60
75/06/02 TO 75/07/01	7.52	.70	.20	.10	.00	.0	1.60	.80
75/07/01 TO 75/08/01	8.66	.40	.10	.10	.00	.0	1.80	.80
75/08/01 TO 75/09/02	4.21	1.02	.32	.35	.06	.0	7.10	.49
75/09/02 TO 75/10/01	9.07	.41	.17	.42	.01	.0	2.00	.81

PERIOD OF COLLECTION	FLUORIDE (F) (MG/L)	NITRATE-NITRATES AS N (MG/L)	AMMONIA AS N (MG/L)	PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	ACIDITY AS H (MG/L)	LEAD (PB) (UG/L)
74/10/01 TO 74/11/01	.1	.570	.600	.010	29	4.80	-----	---
74/11/01 TO 74/12/02	.0	.530	.610	.010	26	5.30	-----	---
74/12/02 TO 75/01/02	.0	.530	.510	.020	22	5.50	-----	---
75/01/02 TO 75/02/03	.0	.480	.450	.040	25	5.50	-----	---
75/02/03 TO 75/03/03	.2	.710	1.100	.010	30	6.00	-----	---
75/03/03 TO 75/04/01	.0	.670	.050	.040	44	6.10	-----	---
75/04/01 TO 75/05/01	.0	.880	.520	.050	24	5.70	-----	---
75/05/01 TO 75/06/02	.0	.570	.390	.030	23	4.20	-----	---
75/06/02 TO 75/07/01	.1	.500	.330	.010	28	4.40	.100	---
75/07/01 TO 75/08/01	.1	.250	.090	.010	17	4.60	-----	---
75/08/01 TO 75/09/02	.1	.754	.444	.017	52	4.20	.136	110
75/09/02 TO 75/10/01	.0	.250	.140	.010	83	3.80	.000	37

CHEMICAL QUALITY OF PRECIPITATION

LONG ISLAND

AT UPTON, N.Y.

LOCATION.--Lat 40°52'16", long 72°53'20", Suffolk County, at National Weather Service Station at Brookhaven National Laboratory weather tower about 2 mi (3.2 km) east of main entrance, at Upton.

RECORDS AVAILABLE.--Chemical analyses: August 1965 to September 1973, February to September 1975 (monthly composite).

EQUIPMENT.--The sample collector is a straight-sided glass funnel approximately 6.5 in (165 mm) in diameter which drains into a polyethylene receiving bottle. A fritted glass disk is used as a filter between the collector and the receiving bottle and is replaced at the end of each collection period. The glass funnel is heated during the cold weather season to aid in full collection of snow. The receiving bottle is enclosed in an insulated box. The opening for the collector is approximately 5 ft (1.5 m) above ground level and is protected by a windshield.

REMARKS.--Inches of precipitation is that for the National Weather Service Station for the reported period of sampling.

CHEMICAL ANALYSES, FEBRUARY TO SEPTEMBER 1975

PERIOD OF COLLECTION	INCHES OF PRECIPITATION	CALCIUM (CA) (MG/L)	MAGNESIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLORIDE (CL) (MG/L)
75/02/26 TO 75/04/01	4.30	.60	.30	2.10	.00	.0	2.40	3.80
75/04/01 TO 75/05/01	4.00	.50	.00	.60	.20	.0	1.50	1.60
75/05/01 TO 75/05/30	2.90	.10	.00	.10	.10	.0	2.20	.90
75/05/30 TO 75/06/30	E 5.60	.00	.10	.10	.00	.0	.40	1.40
75/06/30 TO 75/08/01	E 3.50	.20	.10	.40	.00	.0	1.60	1.00
75/08/01 TO 75/09/02	-----	.25	.19	.81	.08	.0	6.60	1.40
75/09/02 TO 75/09/29	-----	.09	.13	.60	.04	.0	1.60	1.14

PERIOD OF COLLECTION	FLUORIDE (F) (MG/L)	NITRATE + NITRATE AS N (MG/L)	AMMONIA AS N (MG/L)	PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	ACIDITY AS H (MG/L)	LEAD (PB) (UG/L)
75/02/26 TO 75/04/01	.1	.400	.150	-----	36	4.50	-----	56
75/04/01 TO 75/05/01	.1	.340	.140	.000	20	4.80	-----	---
75/05/01 TO 75/05/30	.0	.560	.190	.010	34	4.20	-----	---
75/05/30 TO 75/06/30	.1	.260	.080	.010	27	4.20	-----	---
75/06/30 TO 75/08/01	.0	.350	.010	.010	25	4.20	-----	16
75/08/01 TO 75/09/02	.1	.818	.172	.005	71	3.80	.196	130
75/09/02 TO 75/09/29	.1	.223	.052	.000	21	4.49	.088	110

E Estimated value.

CHEMICAL QUALITY OF PRECIPITATION

709

HUDSON RIVER BASIN

AT ROCK HILL, N.Y.

LOCATION.--Lat 41°37'25", long 74°31'17", Sullivan County, on North Shore Road, just north of Wanaksink Lake, 0.9 mi (1.4 km) east of Rock Hill, and 3.5 mi (5.6 km) northwest of National Weather Service Station Rock Hill 35W and 6.5 mi (10.5 km) southeast of Monticello.

RECORDS AVAILABLE.--Chemical analyses: August 1965 to September 1975 (monthly composite).

EQUIPMENT.--The sample collector is a straight-sided glass funnel approximately 6.5 in (165 mm) in diameter which drains into a polyethylene receiving bottle. A fritted glass disk is used as a filter between the collector and the receiving bottle and is replaced at the end of each collection period. The glass funnel is heated during the cold weather season to aid in full collection of snow. The receiving bottle is enclosed in an insulated box. The opening for the collector is approximately 5 ft (1.5 m) above ground level and is protected by a windshield.

REMARKS.--Inches of precipitation is that for the National Weather Service Station for the reported period of sampling.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

PERIOD OF COLLECTION	INCHES OF PRECIPITATION	CALCIUM (CA) (MG/L)	MAGNESIUM (MG)	SODIUM (NA) (MG/L)	POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLORIDE (CL) (MG/L)
74/10/01 TO 74/11/01	1.28	1.80	.80	.20	4.00	6.0	6.10	2.70
74/11/01 TO 74/12/03	3.78	1.80	1.20	1.70	12.0	11	11.0	3.80
74/12/03 TO 75/01/02	4.56	.80	.10	.10	3.00	3.0	2.70	.00
75/01/02 TO 75/02/01	5.16	.80	.10	.20	.70	2.0	2.70	1.30
75/02/01 TO 75/03/01	3.86	1.10	.30	.10	.30	3.0	3.00	.70
75/03/01 TO 75/04/01	4.53	1.00	.40	.70	.00	.0	2.30	1.60
75/04/01 TO 75/05/01	2.64	1.20	.50	.20	.20	2.0	2.90	.60
75/05/01 TO 75/06/02	6.95	1.20	.30	.00	.60	.0	4.50	.40
75/06/02 TO 75/07/01	5.48	.20	.20	.00	.30	.0	.90	.50
75/07/01 TO 75/08/01	3.99	.30	.10	.00	.20	.0	2.00	.30
75/08/01 TO 75/09/01	4.53	.38	.06	.05	.34	.0	5.40	.21
75/09/01 TO 75/10/01	4.98	.15	.05	.08	.20	.0	2.20	.21

PERIOD OF COLLECTION	FLUORIDE (F) (MG/L)	NITRATE-NITRATE AS N (MG/L)	AMMONIA AS N (MG/L)	PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICROMOS)	PH (UNITS)	ACIDITY AS H (MG/L)	LEAD (PB) (UG/L)
74/10/01 TO 74/11/01	.2	.030	.410	.780	34	6.00	-----	---
74/11/01 TO 74/12/03	.2	.030	.770	.060	70	6.10	-----	---
74/12/03 TO 75/01/02	.0	.010	.040	.300	17	5.60	-----	---
75/01/02 TO 75/02/01	.1	.100	.110	.020	13	5.40	-----	---
75/02/01 TO 75/03/01	.1	.260	.010	.010	13	5.10	-----	5
75/03/01 TO 75/04/01	.1	.400	.130	.020	22	4.80	-----	---
75/04/01 TO 75/05/01	.1	.480	.410	.360	19	6.10	-----	---
75/05/01 TO 75/06/02	.1	.740	.530	.080	40	4.50	-----	---
75/06/02 TO 75/07/01	.1	.490	.010	.010	36	4.40	-----	---
75/07/01 TO 75/08/01	.0	.000	.010	.030	19	4.30	-----	10
75/08/01 TO 75/09/01	.0	.670	.414	.017	51	4.00	.170	14
75/09/01 TO 75/10/01	.0	.337	.198	.010	23	4.40	.130	3

CHEMICAL QUALITY OF PRECIPITATION

HUDSON RIVER BASIN

NEAR ALBANY, N.Y.

LOCATION.--Lat 42°44'35", long 73°48'30", Albany County, at National Weather Service Station at Albany Municipal Airport, 0.5 mi (0.8 km) north of New State Highway 155.

RECORDS AVAILABLE.--Chemical analyses: August 1965 to September 1975 (monthly composite).

EQUIPMENT.--The sample collector is a straight-sided glass funnel approximately 6.5 in (165 mm) in diameter which drains into a polyethylene receiving bottle. A fritted glass disk is used as a filter between the collector and the receiving bottle and is replaced at the end of each collection period. The glass funnel is heated during the cold weather season to aid in full collection of snow. The receiving bottle is enclosed in an insulated box. The opening for the collector is approximately 5 ft (1.5 m) above ground level and is protected by a windshield.

REMARKS.--Inches of precipitation is that for the National Weather Service Station for the reported period of sampling.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

PERIOD OF COLLECTION	INCHES OF PRECIPITATION	CALCIUM (CA) (MG/L)	MAGNESIUM (MG)	SODIUM (NA) (MG/L)	POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLORIDE (CL) (MG/L)
74/10/01 TO 74/11/04	1.86	2.40	.20	.00	.00	2.0	4.80	.60
74/11/04 TO 75/01/15	7.81	4.00	.30	.70	.10	8.0	4.00	1.60
75/01/15 TO 75/02/01	.98	5.00	.30	8.50	.50	3.0	11.0	14.0
75/02/01 TO 75/02/28	3.58	2.70	.30	1.20	.10	2.0	2.90	2.60
75/02/28 TO 75/04/16	4.69	3.50	.20	2.10	.00	4.0	3.20	3.60
75/04/16 TO 75/05/10	1.37	5.60	.10	1.70	.00	6.0	7.40	2.90
75/05/10 TO 75/06/01	1.93	5.00	1.00	.10	.20	3.0	7.30	.50
75/06/01 TO 75/07/03	3.67	1.60	.30	.00	.00	.0	3.00	.40
75/07/03 TO 75/08/01	E 6.96	.60	.00	.10	.20	.0	3.20	.00
75/08/01 TO 75/09/10	6.35	1.18	.20	.25	.12	.0	3.18	.49
75/09/10 TO 75/10/05	4.25	.80	.15	.08	.01	.0	2.90	.22

PERIOD OF COLLECTION	FLUORIDE (F) (MG/L)	NITRATE-NITROGEN (MG/L)	AMMONIA-NITROGEN (MG/L)	PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	ACIDITY AS H (MG/L)	LEAD (PB) (UG/L)
74/10/01 TO 74/11/04	.1	.550	.070	.010	30	4.80	-----	---
74/11/04 TO 75/01/15	.0	.580	.100	.050	35	6.00	-----	---
75/01/15 TO 75/02/01	.1	.700	.560	.010	89	6.30	-----	---
75/02/01 TO 75/02/28	.1	1.600	.150	.010	27	4.50	-----	46
75/02/28 TO 75/04/16	.1	.430	.000	.010	31	6.90	-----	---
75/04/16 TO 75/05/10	.1	.760	.010	.010	47	6.30	-----	---
75/05/10 TO 75/06/01	.1	.780	.000	.010	31	5.80	-----	---
75/06/01 TO 75/07/03	.1	.110	.010	.010	21	5.00	-----	---
75/07/03 TO 75/08/01	.1	.180	.000	.010	25	4.30	-----	43
75/08/01 TO 75/09/10	.1	.246	.000	.012	21	4.60	.079	30
75/09/10 TO 75/10/05	.0	.002	.005	.010	16	4.70	.069	21

E Estimated value.

CHEMICAL QUALITY OF PRECIPITATION

711

HUDSON RIVER BASIN

AT HINCKLEY, N.Y.

LOCATION.--Lat 43°18'35", long 75°06'35", Oneida County, at National Weather Service Station at Hinckley Dam on West Canada Creek on Cody Road in Hinckley.

RECORDS AVAILABLE.--Chemical analyses: August 1965 to September 1975 (monthly composite).

EQUIPMENT.--The sample collector is a straight-sided glass funnel approximately 6.5 in (165 mm) in diameter which drains into a polyethylene receiving bottle. A fritted glass disk is used as a filter between the collector and the receiving bottle and is replaced at the end of each collection period. The glass funnel is heated during the cold weather season to aid in full collection of snow. The receiving bottle is enclosed in an insulated box. The opening for the collector is approximately 5 ft (1.5 m) above ground level and is protected by a windshield.

REMARKS.--Inches of precipitation is that for the National Weather Service Station for the reported period of sampling.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

PERIOD OF COLLECTION	INCHES OF PRECIPITATION	CALCIUM (CA) (MG/L)	MAGNESIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLORIDE (CL) (MG/L)
74/10/01 TO 74/10/31	2.05	1.00	.20	.10	.50	.0	5.30	.50
74/10/31 TO 74/11/30	6.18	.30	.10	.00	.00	.0	1.40	.60
74/11/30 TO 74/12/31	3.44	1.00	.00	.20	.00	.0	2.30	1.10
74/12/31 TO 75/01/31	4.44	1.00	.00	.10	.00	.0	3.30	.80
75/01/31 TO 75/02/28	4.14	.50	.00	.10	.00	.0	1.20	1.20
75/02/28 TO 75/03/31	3.64	.80	.00	.20	.00	.0	2.70	.70
75/03/31 TO 75/04/30	3.18	.60	.30	.00	.00	.0	1.20	.60
75/04/30 TO 75/05/31	2.62	2.50	.40	.00	.00	.0	4.20	.40
75/05/31 TO 75/06/30	3.71	.80	.30	.00	.00	.0	3.30	1.50
75/06/30 TO 75/07/31	3.57	.70	.00	.10	.00	.0	2.70	.00
75/07/31 TO 75/08/31	5.70	.43	.08	.02	.01	.0	3.20	.08
75/08/31 TO 75/09/30	9.24	.11	.04	.03	.00	.0	2.60	.11

PERIOD OF COLLECTION	FLUORIDE (F) (MG/L)	NITRATE-NITRATE AS N (MG/L)	AMMONIA AS N (MG/L)	PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	ACIDITY AS H (MG/L)	LEAD (PB) (UG/L)
74/10/01 TO 74/10/31	.1	.670	.240	.010	51	4.20	-----	---
74/10/31 TO 74/11/30	.1	.380	.050	.000	23	4.30	.100	---
74/11/30 TO 74/12/31	.0	.490	.190	.020	23	4.40	-----	---
74/12/31 TO 75/01/31	.0	.570	.350	.020	29	4.40	-----	---
75/01/31 TO 75/02/28	.2	.580	.200	.010	30	4.30	-----	31
75/02/28 TO 75/03/31	.1	.820	.340	.010	37	4.20	-----	---
75/03/31 TO 75/04/30	.1	.060	.160	.010	34	4.20	-----	---
75/04/30 TO 75/05/31	.1	.180	.020	.010	30	4.30	-----	---
75/05/31 TO 75/06/30	.1	.200	.140	.010	37	4.10	-----	---
75/06/30 TO 75/07/31	.0	.130	.000	.010	33	4.00	-----	24
75/07/31 TO 75/08/31	.1	.122	.203	.009	23	4.40	.110	14
75/08/31 TO 75/09/30	.0	.258	.006	.010	25	4.30	.239	14

CHEMICAL QUALITY OF PRECIPITATION

SUSQUEHANNA RIVER BASIN

NEAR ATHENS, PA.

LOCATION.--Lat 41°55'31", long 76°31'35", Bradford County, at National Weather Service Station Milan 1N, 300 feet west of U.S. Highways 220 and 309, 0.6 mi (1.0 km) west of the mouth of the Chemung River, 2.0 mi (3.2 km) south of Athens, and 5.1 mi (8.2 km) south of the New York-Pennsylvania state line.

RECORDS AVAILABLE.--Chemical analyses: August 1965 to September 1975 (monthly composite).

EQUIPMENT.--The sample collector is a straight-sided glass funnel approximately 6.5 in (165 mm) in diameter which drains into a polyethylene receiving bottle. A fritted glass disk is used as a filter between the collector and the receiving bottle and is replaced at the end of each collection period. The glass funnel is heated during the cold weather season to aid in full collection of snow. The receiving bottle is enclosed in an insulated box. The opening for the collector is approximately 5 ft (1.5 m) above ground level and is protected by a windshield.

REMARKS.--Inches of precipitation is that for the National Weather Service Station for the reported period of sampling.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

PERIOD OF COLLECTION	INCHES OF PRECIPITATION	CALCIUM (CA) (MG/L)	MAGNESIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLORIDE (CL) (MG/L)
74/09/30 TO 74/10/31	1.23	2.00	.30	.50	.30	.0	12.0	1.00
74/10/31 TO 74/11/30	2.12	.00	.00	.00	.00	.0	4.40	1.10
74/11/30 TO 74/12/31	E 4.45	.80	.10	.20	.10	.0	3.80	.00
74/12/31 TO 75/01/31	E 2.12	2.20	.30	.60	.00	1.0	8.70	1.90
75/01/31 TO 75/02/28	E 2.66	.90	.00	.20	.10	.0	2.80	1.50
75/02/28 TO 75/03/31	1.51	1.50	.20	.50	.00	1.0	5.40	2.10
75/03/31 TO 75/04/30	1.07	4.20	.60	1.90	1.10	4.0	.10	1.00
75/04/30 TO 75/05/31	E 4.49	2.40	.40	.10	.10	.0	11.0	.00
75/05/31 TO 75/06/30	4.51	.40	.10	.00	.00	.0	2.10	.60
75/07/31 TO 75/08/31	E 4.08	1.19	.18	.22	2.92	2.0	10.0	.94
75/08/31 TO 75/09/30	E 8.60	.24	.05	.02	.03	.0	1.90	.14

PERIOD OF COLLECTION	FLUORIDE (F) (MG/L)	NITRATE+NITRATES N (MG/L)	AMMONIA AS N (MG/L)	PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	ACIDITY AS H (MG/L)	LEAD (PB) (UG/L)
74/09/30 TO 74/10/31	.2	1.500	2.600	.020	81	4.20	----	---
74/10/31 TO 74/11/30	.1	.590	1.100	.010	35	4.20	----	---
74/11/30 TO 74/12/31	.0	.650	1.100	.030	27	4.40	----	---
74/12/31 TO 75/01/31	.1	.800	.000	.040	42	5.10	----	---
75/01/31 TO 75/02/28	.1	.700	1.100	.010	31	4.40	----	21
75/02/28 TO 75/03/31	.0	1.200	2.100	.060	39	5.10	----	---
75/03/31 TO 75/04/30	---	2.600	3.900	.140	76	6.20	----	---
75/04/30 TO 75/05/31	.1	1.300	1.800	.030	73	4.40	----	---
75/05/31 TO 75/06/30	.0	.620	.760	.040	43	3.90	----	---
75/07/31 TO 75/08/31	.1	.958	2.130	.057	45	5.50	.120	27
75/08/31 TO 75/09/30	.0	.275	.229	.010	19	4.50	.069	16

E Estimated value.

CHEMICAL QUALITY OF PRECIPITATION

713

ALLEGHENY RIVER BASIN

AT ALLEGANY STATE PARK, N.Y.

LOCATION.--Lat 42°06'00", long 78°45'00", Cattaraugus County, at National Weather Service Station in Allegany State Park, 100 feet west of Park Administration Building, 300 feet west of Park Highway 1 and 6.0 mi (9.7 km) south of Salamanca.

RECORDS AVAILABLE.--Chemical analyses: August 1965 to September 1975 (monthly composite).

EQUIPMENT.--The sample collector is a straight-sided glass funnel approximately 6.5 in (165 mm) in diameter which drains into a polyethylene receiving bottle. A fritted glass disk is used as a filter between the collector and the receiving bottle and is replaced at the end of each collection period. The glass funnel is heated during the cold weather season to aid in full collection of snow. The receiving bottle is enclosed in an insulated box. The opening for the collector is approximately 5 ft (1.5 m) above ground level and is protected by a windshield.

REMARKS.--Inches of precipitation is that for the National Weather Service Station for the reported period of sampling.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

PERIOD OF COLLECTION	INCHES OF PRECIPITATION	CALCIUM (CA) (MG/L)	MAGNESIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLORIDE (CL) (MG/L)
74/09/30 TO 74/10/31	2.66	.50	.10	.00	.10	.0	11.0	1.00
74/10/31 TO 74/12/01	4.69	.50	.40	.30	.10	.0	6.00	.80
74/12/01 TO 75/01/01	2.56	4.50	.80	1.20	.20	.0	15.0	2.30
75/01/01 TO 75/02/05	3.27	1.00	.10	.10	.00	1.0	2.70	.90
75/02/05 TO 75/02/28	3.32	.80	.10	.30	.10	.0	2.40	1.20
75/02/28 TO 75/04/01	4.46	3.10	.90	.80	.30	1.0	7.30	2.80
75/04/01 TO 75/05/01	1.91	.70	.40	.10	.00	1.0	1.50	.10
75/05/01 TO 75/06/01	4.58	.80	.10	.20	.10	.0	4.50	.10
75/06/01 TO 75/07/01	5.69	.80	.20	.10	.10	.0	1.50	.60
75/07/01 TO 75/08/01	2.87	.20	.00	.10	.10	.0	3.30	.20
75/08/01 TO 75/09/01	2.87	.32	.03	.17	.08	.0	4.20	.16
75/09/01 TO 75/10/01	4.21	.43	.09	.10	.06	.0	3.70	.18

PERIOD OF COLLECTION	FLUORIDE (F) (MG/L)	NITRATE-NITRATES AS N (MG/L)	AMMONIA AS N (MG/L)	PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	ACIDITY AS H (MG/L)	LEAD (PB) (UG/L)
74/09/30 TO 74/10/31	.1	.740	.540	.080	44	4.20	-----	---
74/10/31 TO 74/12/01	.3	.890	.250	.210	43	4.20	-----	---
74/12/01 TO 75/01/01	.2	2.900	1.200	.110	--	4.10	-----	---
75/01/01 TO 75/02/05	.1	.570	.220	.100	24	4.70	-----	---
75/02/05 TO 75/02/28	.1	.670	.330	.010	33	4.30	-----	23
75/02/28 TO 75/04/01	.1	1.000	.240	.010	38	5.10	-----	---
75/04/01 TO 75/05/01	.0	.280	.110	.010	12	4.90	-----	---
75/05/01 TO 75/06/01	.2	.750	.170	.020	55	3.70	-----	---
75/06/01 TO 75/07/01	.1	.340	.000	.010	33	4.40	-----	---
75/07/01 TO 75/08/01	.0	.390	.030	.010	52	3.90	-----	26
75/08/01 TO 75/09/01	.1	.394	.080	.008	28	4.10	.126	10
75/09/01 TO 75/10/01	.1	.535	.026	.010	39	4.10	.130	10

CHEMICAL QUALITY OF PRECIPITATION

LAKE ONTARIO BASIN

AT MAYS POINT, N.Y.

LOCATION.--Lat 42°59'55", long 76°45'45", Wayne County, at National Weather Service Station Mays Point Lock 25, at Erie (Barge) Canal and State Highway 89 and 6.2 mi (10.0 km) south of Savannah.

RECORDS AVAILABLE.--Chemical analyses: August 1965 to September 1975 (monthly composite).

EQUIPMENT.--The sample collector is a straight-sided glass funnel approximately 6.5 in (165 mm) in diameter which drains into a polyethylene receiving bottle. A fritted glass disk is used as a filter between the collector and the receiving bottle and is replaced at the end of each collection period. The glass funnel is heated during the cold weather season to aid in full collection of snow. The receiving bottle is enclosed in an insulated box. The opening for the collector is approximately 5 ft (1.5 m) above ground level and is protected by a windshield.

REMARKS.--Inches of precipitation is that for the National Weather Service Station for the reported period of sampling.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

PERIOD OF COLLECTION	INCHES OF PRECIPITATION	CALCIUM (CA) (MG/L)	MAGNESIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLORIDE (CL) (MG/L)
74/09/30 TO 74/10/31	1.62	2.40	.30	.00	.00	2.0	6.60	1.80
74/10/31 TO 74/11/29	4.13	.10	.10	.00	.00	.0	3.00	.50
74/11/29 TO 74/12/31	3.86	1.00	.00	.20	.00	.0	2.30	1.40
74/12/31 TO 75/01/31	2.14	1.30	.10	.50	.00	.0	2.10	.60
75/01/31 TO 75/03/01	3.38	2.40	.20	.40	.10	.0	3.50	2.10
75/03/01 TO 75/03/31	1.53	2.00	.30	.40	.00	.0	3.70	.60
75/03/31 TO 75/04/30	2.30	1.80	.40	.30	.00	.0	3.40	1.30
75/04/30 TO 75/06/02	3.51	2.20	.30	.00	.10	2.0	5.60	1.60
75/06/02 TO 75/06/30	3.85	1.40	.20	.10	.10	.0	2.70	.50
75/06/30 TO 75/07/31	4.50	1.00	.00	.10	.10	.0	4.30	.20
75/07/31 TO 75/08/31	3.19	1.48	.22	.07	.24	.0	5.60	.35
75/08/31 TO 75/09/30	7.26	1.43	.14	.01	.02	7.0	1.20	.04

PERIOD OF COLLECTION	FLUORIDE (F) (MG/L)	NITRATE (AS N) (MG/L)	AMMONIA (AS N) (MG/L)	PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	ACIDITY (AS H) (MG/L)	LEAD (PB) (UG/L)
74/09/30 TO 74/10/31	.1	.700	.110	.010	42	4.30	----	---
74/10/31 TO 74/11/29	.1	.270	.080	.010	23	4.20	----	---
74/11/29 TO 74/12/31	.0	.420	.050	.000	20	4.60	----	---
74/12/31 TO 75/01/31	.0	.560	.090	.010	30	4.50	----	---
75/01/31 TO 75/03/01	.2	1.000	.150	.010	40	4.40	----	44
75/03/01 TO 75/03/31	.2	.860	.180	.010	32	4.40	----	---
75/03/31 TO 75/04/30	.1	.860	.200	.010	32	4.50	----	---
75/04/30 TO 75/06/02	.2	.540	.290	.060	26	6.90	----	---
75/06/02 TO 75/06/30	.0	.410	.000	.010	38	4.20	----	---
75/06/30 TO 75/07/31	.1	.410	.120	.030	46	4.00	----	34
75/07/31 TO 75/08/31	.1	.492	.261	.025	33	4.40	.150	15
75/08/31 TO 75/09/30	.0	.076	.003	.010	9	5.80	.239	2

CHEMICAL QUALITY OF PRECIPITATION

715

ST. LAWRENCE RIVER BASIN

NEAR CANTON, N.Y.

LOCATION.--Lat 44°34'40", Long 75°06'40", St. Lawrence County, at National Weather Service Station, Canton 4SE, on the Canton State University Farm on State Highway 68, 2.5 mi (4.0 km) southeast of U.S. Highway 11 and Canton.

RECORDS AVAILABLE.--Chemical analyses: August 1965 to September 1975 (monthly composite).

EQUIPMENT.--The sample collector is a straight-sided glass funnel approximately 6.5 in (165 mm) in diameter which drains into a polyethylene receiving bottle. A fritted glass disk is used as a filter between the collector and the receiving bottle and is replaced at the end of each collection period. The glass funnel is heated during the cold weather season to aid in full collection of snow. The receiving bottle is enclosed in an insulated box. The opening for the collector is approximately 5 ft (1.5 m) above ground level and is protected by a windshield.

REMARKS.--Inches of precipitation is that for the National Weather Service Station for the reported period of sampling.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

PERIOD OF COLLECTION	INCHES OF PRECIPITATION	CALCIUM (CA) (MG/L)	MAGNESIUM (MG)	SODIUM (NA) (MG/L)	POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLORIDE (CL) (MG/L)
74/10/03 TO 74/11/01	.88	2.80	.60	1.40	.30	.0	11.0	.90
74/11/01 TO 74/12/06	3.76	.50	.40	.60	.40	1.0	1.90	.50
74/12/06 TO 75/01/06	2.81	1.00	.10	.50	.10	.0	3.60	.50
75/01/06 TO 75/02/03	2.34	1.10	.10	.10	.00	.0	3.40	.90
75/02/03 TO 75/03/05	E 1.33	.60	.10	.10	.00	.0	2.70	1.00
75/03/05 TO 75/04/08	4.10	.80	.20	.10	.00	.0	1.80	1.00
75/04/08 TO 75/05/15	.76	2.50	.70	.20	.20	.0	3.20	.80
75/05/15 TO 75/06/02	1.75	3.40	1.10	.80	.20	2.0	7.40	.50
75/06/02 TO 75/07/08	2.06	1.80	.40	.90	.20	5.0	5.40	1.20
75/07/08 TO 75/08/07	2.06	1.30	.30	.20	.50	.0	4.80	.20
75/08/07 TO 75/09/11	1.79	1.89	.58	.31	.93	1.0	5.90	.62
75/09/11 TO 75/10/15	7.04	.51	.15	.21	.07	.0	2.40	.12

PERIOD OF COLLECTION	FLUORIDE (F) (MG/L)	NITRATE-NITRASE AS N (MG/L)	AMMONIA AS N (MG/L)	PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	ACIDITY AS H (MG/L)	LEAD (PB) (UG/L)
74/10/03 TO 74/11/01	.2	1.100	.700	.010	50	4.70	-----	---
74/11/01 TO 74/12/06	.1	.510	.340	.020	21	4.50	-----	---
74/12/06 TO 75/01/06	.1	.970	.470	.010	53	4.60	-----	---
75/01/06 TO 75/02/03	.0	.830	.460	.030	30	4.40	-----	---
75/02/03 TO 75/03/05	.1	1.200	.470	.010	52	4.00	-----	270
75/03/05 TO 75/04/08	.0	.640	.300	.000	30	4.30	-----	---
75/04/08 TO 75/05/15	.1	1.200	.130	.020	34	4.10	-----	---
75/05/15 TO 75/06/02	.1	-----	.000	.010	25	5.80	-----	---
75/06/02 TO 75/07/08	.1	.020	.000	.040	24	7.10	-----	9
75/07/08 TO 75/08/07	.0	.010	.000	.030	21	5.00	-----	---
75/08/07 TO 75/09/11	.1	.052	.012	.014	22	6.00	.035	1
75/09/11 TO 75/10/15	.0	.310	.110	.010	20	4.45	.077	20

E Estimated value.

CHEMICAL QUALITY OF PRECIPITATION

ST. LAWRENCE RIVER BASIN

NEAR CHAZY, N.Y.

LOCATION.--Lat 44°53'15", long 73°28'01", Clinton County, at Cornell University Meteorological Station at William H. Miner Agriculture Research Institute, 0.1 mi (0.2 km) southeast of intersection of State Highway 191 and Ridge Road, and 1.4 mi (2.2 km) west of Chazy.

RECORDS AVAILABLE.--Chemical analyses: November 1974 to September 1975.

EQUIPMENT.--The sample collector is a straight-sided glass funnel approximately 6.5 in (165 mm) in diameter which drains into a polyethylene receiving bottle. A fritted glass disk is used as a filter between the collector and the receiving bottle and is replaced at the end of each collection period. The glass funnel is heated during the cold weather season to aid in full collection of snow. The receiving bottle is enclosed in an insulated box. The opening for the collector is approximately 5 ft (1.5 m) above ground level and is protected by a windshield.

REMARKS.--Inches of precipitation is that for the Cornell University Meteorological Station for the reported period of sampling.

CHEMICAL ANALYSES, NOVEMBER 1974 TO SEPTEMBER 1975

PERIOD OF COLLECTION	INCHES OF PRECIPITATION	CALCIUM (CA) (MG/L)	MAGNESIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLORIDE (CL) (MG/L)
74/11/04 TO 74/12/02	2.11	1.10	.20	.00	.00	.0	1.10	.60
74/12/02 TO 74/12/31	1.90	1.50	.10	.20	.00	3.0	2.70	1.50
74/12/31 TO 75/01/31	1.47	1.20	.00	.10	.00	.0	2.40	.50
75/01/31 TO 75/02/28	2.04	.50	.00	.20	.00	.0	1.70	1.40
75/02/28 TO 75/04/01	2.65	1.20	.00	.30	.00	.0	1.50	.50
75/04/01 TO 75/05/01	2.06	.40	.30	.10	.00	.0	1.30	.00
75/05/01 TO 75/06/02	1.24	2.40	.30	.10	.10	.0	8.50	1.70
75/06/02 TO 75/07/01	1.43	.90	.20	.10	.40	.0	2.00	2.30
75/07/01 TO 75/07/31	2.40	.30	.00	.10	.30	.0	2.80	.00
75/07/31 TO 75/09/02	3.21	.50	.08	.03	.03	.0	3.80	.12
75/09/02 TO 75/10/01	4.74	.35	.06	.02	.02	.0	1.70	.08

PERIOD OF COLLECTION	FLUORIDE (F) (MG/L)	NITRATE-NITRATE AS N (MG/L)	AMMONIA AS N (MG/L)	PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	ACIDITY AS H (MG/L)	LEAD (PB) (UG/L)
74/11/04 TO 74/12/02	.0	.400	.160	.010	19	4.60	----	---
74/12/02 TO 74/12/31	.1	.660	.380	.010	23	4.70	----	---
74/12/31 TO 75/01/31	.0	1.100	.480	.020	38	4.40	.100	---
75/01/31 TO 75/02/28	.1	.770	.390	.010	34	4.30	----	15
75/02/28 TO 75/04/01	.1	.530	.240	.010	19	4.70	----	---
75/04/01 TO 75/05/01	.0	.470	.120	.000	18	4.50	----	---
75/05/01 TO 75/06/02	.3	1.100	.560	.030	59	4.20	----	---
75/06/02 TO 75/07/01	.1	.440	.170	.010	32	4.00	----	---
75/07/01 TO 75/07/31	.0	.040	.060	.050	32	4.00	----	28
75/07/31 TO 75/09/02	.0	.428	.262	.009	33	4.20	.118	12
75/09/02 TO 75/10/01	.0	.301	.114	.010	21	4.40	.084	8

LONG ISLAND

KINGS COUNTY

404149N0735712.1. (K 30). DETECTO SCALES, INC. PARK AND NOSTRAND AVES., WILLIAMSBURG. DRILLED UNUSED WATER-TABLE WELL IN UPPER GLACIAL AQUIFER, DIAM 8 IN (20 CM), DEPTH 56 FT (17.1 M), SCREEN ASSUMED AT BOTTOM. LSD 17.8 FT (5.43 M) ABOVE MSL. MP TOP OF 8-IN (20 CM) COUPLING, 5.93 FT (1.81 M) BELOW LSD. HIGHEST WATER LEVEL 4.81 FT (1.18 M) ABOVE MSL, DEC. 19, 1974; LOWEST 29.75 FT (9.07 M) BELOW MSL, NOV. 8, 1941. RECORDS AVAILABLE: 1935 - 75.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 19, 1974	+ 4.81	MAR. 26, 1975	+ 4.05	JUNE 30, 1975	+ 4.29

403819N0735811.1. (K 530). J. MOREA, 912 CORTELYOU RD., FLATBUSH. DRILLED OBSERVATION WATER-TABLE WELL IN UPPER GLACIAL AQUIFER, DIAM 18 IN (46 CM), DEPTH 145 FT (44.2 M), SCREENED 95 FT (29.0 M) - 145 FT (44.2 M). LSD 40.1 FT (12.2 M) ABOVE MSL. MP TOP OF 1.25-IN (3.2 CM) NIPPLE, 7.21 FT (2.20 M) BELOW LSD. HIGHEST WATER LEVEL 8.75 FT (2.67 M) ABOVE MSL, SEPT. 24, 1973; LOWEST 5.89 FT (1.80 M) BELOW MSL, JUNE 24, 1947. RECORDS AVAILABLE: 1947 - 75.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 20, 1974	+ 8.30	MAR. 26, 1975	+ 8.26	JUNE 30, 1975	+ 8.07

NASSAU COUNTY

404043N0734130.1. (N 7). LONG ISLAND STATE PARK COMM. CORONA AVE. AND REMSEN ST., VALLEY STREAM. DRILLED UNUSED ARTESIAN WELL IN LLOYD AQUIFER, DIAM 10 IN (25 CM) TO 6 IN (15 CM), DEPTH 911 FT (278 M), SCREENED 851 FT (259 M) - 911 FT (278 M). LSD 20.8 FT (6.34 M) ABOVE MSL. MP TOP OF REDUCER, 2.16 FT (0.66 M) ABOVE LSD. HIGHEST WATER LEVEL 12.75 FT (3.89 M) ABOVE MSL, MAR. 9, 1941; LOWEST 6.84 FT (2.08 M) BELOW MSL, AUG. 25, 1970. RECORDS AVAILABLE: 1936 - 75.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1974	5.05	DEC. 19, 1974	4.14	MAR. 25, 1975	3.40	JUNE 26, 1975	+ 2.24

404048N0734125.1. (N 9). LONG ISLAND STATE PARK COMM. CORONA AVE. AND REMSEN ST., VALLEY STREAM. DRILLED UNUSED ARTESIAN WELL IN MAGOTHY AQUIFER, DIAM 6 IN (15 CM) TO 4 IN (10 CM), DEPTH 138 FT (42.1 M), SCREENED 98 FT (29.9 M) - 138 FT (42.1 M). LSD 23.2 FT (7.07 M) ABOVE MSL. MP TOP OF CASING, 1.48 FT (0.45 M) ABOVE LSD. HIGHEST WATER LEVEL 23.57 FT (7.18 M) ABOVE MSL, SEPT. 3, 1938; LOWEST 9.96 FT (3.09 M) ABOVE MSL, DEC 19, 1974. RECORDS AVAILABLE: 1936 - 75.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 19, 1974	+ 9.96	MAR. 25, 1975	+ 12.26	JUNE 26, 1975	+ 13.21	SEP. 30, 1975	+ 15.38

404029N0732942.1. (N 180). CITY OF NEW YORK. DEPT. OF WATER SUPPLY, GAS AND ELECTRICITY. SUNRISE HIGHWAY AND SEAMANS NECK RD., SEAFORD. DRILLED UNUSED ARTESIAN WELL IN MAGOTHY AQUIFER, DIAM 4 IN (10 CM) TO 6 IN (15 CM), DEPTH 762 FT (232 M), SCREEN ASSUMED AT BOTTOM. LSD 15.3 FT (4.66 M) ABOVE MSL. MP TOP OF 4-IN (10 CM) COUPLING, 14.3 FT (4.36 M) ABOVE LSD. HIGHEST WATER LEVEL 21.08 FT (6.43 M) ABOVE MSL, JUNE 6, 1952; LOWEST 12.80 FT (3.90 M) ABOVE MSL, JULY 15, 1966. RECORDS AVAILABLE: 1945-75

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 16, 1974	+ 15.19	MAR. 25, 1975	+ 17.67	JUNE 26, 1975	+ 15.99

404609N0734216.1. (N 1102). NASSAU COUNTY DEPT. OF PUBLIC WORKS, LONG ISLAND EXPRESSWAY AND COMMUNITY DR., LAKE SUCCESS. DRILLED OBSERVATION WATER-TABLE WELL IN UPPER GLACIAL AQUIFER, DIAM 4 IN (10 CM), DEPTH 166 FT (50.6 M), SCREENED 161 FT (49.1 M) - 166 FT (50.6 M). LSD 184.0 FT (56.1 M) ABOVE MSL. MP TOP OF CASING, 0.05 FT (0.02 M) BELOW LSD. HIGHEST WATER LEVEL 59.12 FT (18.0 M) ABOVE MSL, MAY 25, 1953; LOWEST 29.08 FT (8.68 M) ABOVE MSL, OCT. 1, 1969. RECORDS AVAILABLE: 1939 - 75.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1974	+ 33.39	DEC. 19, 1974	+ 32.72	MAR. 26, 1975	+ 35.88	JUNE 30, 1975	+ 33.83

404039N0734200.1. (N 1110). NASSAU COUNTY DEPT. OF PUBLIC WORKS, HENRY ST. NEAR SOUTHERN STATE PARKWAY, NORTH VALLEY STREAM. DRIVEN OBSERVATION WATER-TABLE WELL IN UPPER GLACIAL AQUIFER, DIAM 1.25 IN (3.2 CM), DEPTH 27 FT (8.23 M), SCREENED 25 FT (7.62 M) - 27 FT (8.23 M). LSD 30.9 FT (9.42 M) ABOVE MSL. MP TOP OF CASING, 0.05 FT (0.02 M) BELOW LSD. HIGHEST WATER LEVEL 21.05 FT (6.42 M) ABOVE MSL, APR. 21, 1939; JUNE 6, 1946; LOWEST 7.39 FT (2.39 M) ABOVE MSL, DEC. 19, 1974. RECORDS AVAILABLE: 1939 - 75.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1974	+ 7.81	DEC. 19, 1974	+ 7.39	MAR. 25, 1975	+ 8.64	JUNE 26, 1975	+ 9.79
SEP. 30, 1975	+ 10.30						

LONG ISLAND -- CONTINUED

NASSAU COUNTY -- CONTINUED

404820N0733121.1. (N 1212). NASSAU COUNTY DEPT. OF PUBLIC WORKS. JERICHO TURNPIKE, LOCUST GROVE. DRILLED OBSERVATION ARTESIAN WELL IN MAGOTHY AQUIFER, DIAM 4 IN (10 CM), DEPTH 185 FT (56.4 M), SCREENED 181 FT (55.2 M) - 185 FT (56.4 M). LSD 228.2 FT (69.6 M) ABOVE MSL. MP TOP OF RECORDER SHELF, 0.54 FT (0.16 M) BELOW LSD. HIGHEST WATER LEVEL 89.74 FT (27.4 M) ABOVE MSL, OCT. 6, DEC. 7, 1953; LOWEST 73.00 FT (22.3 M) ABOVE MSL, APR. 25, 1967. RECORDS AVAILABLE: 1943 - 75.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 3, 1974	+ 85.96	DEC. 19, 1974	+ 86.13	MAR. 25, 1975	+ 86.59	JUNE 26, 1975	+ 86.09

404704N0732642.1. (N 1246). NASSAU COUNTY DEPT. OF PUBLIC WORKS. ROUND SWAMP AND OLD COUNTRY RDS., PLAINVIEW. DRILLED OBSERVATION WATER-TABLE WELL IN MAGOTHY AQUIFER, DIAM 4 IN (10 CM), DEPTH 125 FT (38.1 M), SCREEN ASSUMED AT BOTTOM. LSD 184.9 FT (56.4 M) ABOVE MSL. MP TOP OF CASING, 0.32 FT COUPLING, 0.08 FT (0.02 M) ABOVE LSD. HIGHEST WATER LEVEL 83.55 FT (25.5 M) ABOVE MSL, NOV. 2, DEC. 26, 1961; LOWEST 68.29 FT (20.8 M) ABOVE MSL, APR. 25, 1967. RECORDS AVAILABLE: 1940 - 75.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 3, 1974	+ 79.62	DEC. 19, 1974	+ 79.73	MAR. 25, 1975	+ 79.82	JUNE 26, 1975	+ 79.81

404317N0732909.1 (N 1259). U.S. GEOL. SURVEY. HICKSVILLE-MASSAPEQUA RD., PLAINEDGE. DRIVEN OBSERVATION WATER-TABLE WELL IN UPPER GLACIAL AQUIFER, DIAM 1.25 IN (3.2 CM), DEPTH 41 FT (12.5 M), SCREENED 38 FT (11.6 M) - 41 FT (12.5 M). LSD 78.4 FT (23.9 M) ABOVE MSL. MP TOP OF CASING, 0.32 FT (0.10 M) BELOW LSD. HIGHEST WATER LEVEL 56.99 FT (17.4 M) ABOVE MSL, JUNE 23, 1952; LOWEST 45.61 FT (13.9 M) ABOVE MSL, AUG. 25, 1966. RECORDS AVAILABLE: 1909 - 10, 1912-16, 1930 - 35, 1937-75.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 24, 1974	+ 50.82	FEB. 24, 1975	+ 52.03	MAY 27, 1975	+ 53.40	AUG. 25, 1975	+ 54.03
NOV. 22	+ 50.64	MAR. 25	+ 52.53	JUNE 25	+ 54.66	SEP. 26	+ 53.44
DEC. 24	+ 50.88	APR. 24	+ 52.81	JULY 28	+ 54.68	SEP. 29	+ 53.52
JAN. 27, 1975	+ 51.50						

404554N0733515.1. (N 1616). NASSAU COUNTY DEPT. OF PUBLIC WORKS. POST AVE. AND ARGYLE RD., WESTBURY. DRIVEN OBSERVATION WATER-WELL IN UPPER GLACIAL AQUIFER, DIAM 2 IN (5.1 CM), DEPTH 68 FT (20.7 M), SCREENED 65 FT (19.8 M) - 68 FT (20.7 M). LSD 122.4 FT (37.3 M) ABOVE MSL. MP TOP OF CASING, 0.32 FT (0.10 M) BELOW LSD. HIGHEST WATER LEVEL 85.42 FT (26.0 M) ABOVE MSL, JUNE 1, 1939; LOWEST 68.28 FT (20.8 M) ABOVE MSL, FEB. 28, 1967. RECORDS AVAILABLE: 1913 - 15, 1932 - 75.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 24, 1974	+ 75.56	JAN. 28, 1975	+ 75.20	APR. 24, 1975	+ 76.17	JULY 28, 1975	+ 77.46
NOV. 25	+ 75.30	FEB. 24	+ 75.44	MAY 27	+ 76.61	AUG. 26	+ 77.81
DEC. 24	+ 75.14	MAR. 27	+ 75.78	JUNE 25	+ 77.05	SEP. 29	+ 78.34

405101N0733434.1. (N 2528). NASSAU COUNTY DEPT. OF PUBLIC WORKS. CHICKEN VALLEY AND WOLVER HOLLOW RDS., UPPER BROOKVILLE. DRILLED OBSERVATION ARTESIAN WELL IN THE MAGOTHY AQUIFER, DIAM 6 IN (15 CM) TO 4 IN (10 CM), DEPTH 282 FT (86 M), SLOTTED 278 FT (85 M) - 282 FT (86 M), LSD 92.5 FT (28.2 M) ABOVE MSL. MP TOP OF 6-IN (15 CM) NIPPLE, 0.77 FT (0.23 M) ABOVE LSD. HIGHEST WATER LEVEL 79.92 FT (24.4 M) ABOVE MSL, JULY 25, 1957; LOWEST 59.12 FT (18.0 M) ABOVE MSL, FEB. 24, 1967. RECORDS AVAILABLE: 1947 - 75.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1974	+ 69.76	DEC. 16, 1974	+ 70.67	MAR. 25, 1975	+ 69.60	JUNE 26, 1975	+ 70.03

404619N0732706.2. (N 3355). U.S. GEOL. SURVEY. ROUND SWAMP RD., PLAINVIEW. DRILLED OBSERVATION ARTESIAN WELL IN LLOYD AQUIFER, DIAM 8 IN (20 CM) TO 4 IN (10 CM), DEPTH 1,090 FT (332 M), SCREENED 1,070 FT (326 M) TO 1,090 FT (332 M). LSD 183.3 FT (55.9 M) ABOVE MSL. MP TOP OF CASING, 0.76 FT (0.23 M) BELOW LSD. HIGHEST WATER LEVEL 36.52 FT (11.1 M) ABOVE MSL, APR. 9, 1957; LOWEST 23.18 FT (7.07 M) ABOVE MSL, APR. 11, 1972. RECORDS AVAILABLE: 1951 - 75.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1974	+ 29.47	DEC. 19, 1974	+ 30.65	MAR. 25, 1975	+ 31.49	JUNE 26, 1975	+ 32.56

LONG ISLAND -- CONTINUED

QUEENS COUNTY

404451N0734750.1. (Q 283). CITY OF NEW YORK, DEPT. OF WATER SUPPLY, GAS AND ELECTRICITY, UNDERHILL AVE. AND 171ST ST., FLUSHING. DRILLED UNUSED ARTESIAN WELL IN LLOYD AQUIFER, DIAM 26 IN (66 CM) - 12 IN (30 CM), DEPTH 409 FT (125 M), SCREENED 309 FT (94 M)-352 FT (107 M), 367 FT (112 M) - 409 FT (125 M), LSD 27.0 FT (8.23 M) ABOVE MSL, MP TOP OF IRON PLATE, 0.37 FT (0.11 M) ABOVE LSD, HIGHEST WATER LEVEL 5.48 FT (1.67 M) ABOVE MSL, APR. 7, 1955; LOWEST 15.78 FT (4.81 M) BELOW MSL, AUG. 5, 1971. RECORDS AVAILABLE: 1946 - 75.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 18, 1974	3.60	MAR. 25, 1975	3.64	JUNE 30, 1975	10.39

404157N0734801.2. (Q 1252). U.S. GEOL. SURVEY, LIBERTY AVE. AND 157TH ST., JAMAICA. DRIVEN OBSERVATION WATER-TABLE WELL IN UPPER GLACIAL AQUIFER, DIAM 1.25 IN (3.2 CM), DEPTH 60 FT (18.3 M), SCREENED 58 FT (17.7 M) - 60 FT (18.3 M), LSD 31.2 FT (9.51 M) ABOVE MSL, MP TOP OF 1.25-IN (3.2 CM) COUPLING, 0.31 FT (0.09 M) ABOVE LSD, HIGHEST WATER LEVEL 13.92 FT (4.24 M) ABOVE MSL, NOV. 2, 1948; LOWEST 2.81 FT (0.86 M) BELOW MSL, FEB. 9, 1971. RECORDS AVAILABLE: 1940-75.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 18, 1974	0.34	MAR. 25, 1975	0.12	JULY 1, 1975	0.82

403957N0734950.2. (Q 2324). NEW YORK RACING ASSOCIATION INC, NORTH CONDUIT AVE. AND 114TH ST., AQUEDUCT, DRIVEN OBSERVATION WATER-TABLE WELL IN UPPER GLACIAL AQUIFER, DIAM 2.5 IN (6.4 CM), DEPTH 91 FT (27.7 M), SCREEN ASSUMED AT BOTTOM, LSD 22.0 FT (6.71 M) ABOVE MSL, MP TOP OF 2.5 IN (6.4 CM) COUPLING, AT LSD, HIGHEST WATER LEVEL 2.22 FT (0.59 M) ABOVE MSL, JULY 1, 1975; LOWEST 3.40 FT (1.04 M) BELOW MSL, MAY 25, 1959. RECORDS AVAILABLE: 1959 - 75.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 18, 1974	1.84	MAR. 25, 1975	2.04	JULY 1, 1975	2.22

SUFFOLK COUNTY

404614N0731644.1. (S 1810). U.S. GEOL. SURVEY, GARDINER DR., PINEAIRE, DRIVEN OBSERVATION WATER-TABLE WELL IN UPPER GLACIAL AQUIFER, DIAM 1.25 IN (3.2 CM), DEPTH 56 FT (17.1 M), SCREENED 54 FT (16.5 M) - 56 FT (17.1 M), LSD 90.1 FT (27.5 M) ABOVE MSL, MP TOP OF CASING, 1.03 FT (0.31 M) ABOVE LSD, HIGHEST WATER LEVEL 56.19 FT (17.1 M) ABOVE MSL, APR. 29, 1939; LOWEST 43.30 FT (13.2 M) ABOVE MSL, FEB. 27, 1967. RECORDS AVAILABLE: 1912 - 14, 1932-75.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 24, 1974	50.17	JAN. 29, 1975	49.82	APR. 24, 1975	52.93	JULY 28, 1975	54.10
NOV. 25	49.95	FEB. 24	50.21	MAY 27	53.12	AUG. 26	54.33
DEC. 24	50.48	MAR. 30	51.63	JUNE 25	53.73	SEP. 29	54.74
JAN. 28, 1975	49.73						

405146N0730319.1. (S 3513). NEW YORK STATE DEPT. OF TRANSPORTATION, STATE HIGHWAY 25, SELDEN, DRILLED UNUSED WATER-TABLE WELL IN UPPER GLACIAL AQUIFER, DIAM 8 IN (20 CM), DEPTH 65 FT (19.8 M), SCREENED 63 FT (19.2 M) - 65 FT (19.8 M), LSD 102.1 FT (31.1 M) ABOVE MSL, MP TOP OF REDUCER, 0.21 FT (0.06 M) ABOVE LSD, HIGHEST WATER LEVEL 67.63 FT (20.6 M) ABOVE MSL, MAR. 5, 1962; LOWEST 56.06 FT (17.1 M) ABOVE MSL, MAR. 1, 1967. RECORDS AVAILABLE: 1942 - 75.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1974	64.42	JAN. 30, 1975	64.12	APR. 24, 1975	64.98	AUG. 1, 1975	65.48
NOV. 27	64.18	FEB. 25	64.43	MAY 29	65.24	AUG. 26	65.19
DEC. 31	63.96	MAR. 24	64.67	JUNE 26	65.33	SEP. 30	64.98

LONG ISLAND -- CONTINUED

SUFFOLK COUNTY -- CONTINUED

405030N0731814.1. (S 3514). HEATHERWOOD SHOPPING CENTER, JERICHO TURNPIKE, COMMACK. DUG UNUSED WATER-TABLE WELL IN UPPER GLACIAL AQUIFER, DIAM 30 IN (76 CM), DEPTH 98 FT (29.9 M), BRICK-LINED. LSD 153.6 FT (46.8 M) ABOVE MSL. MP TOP OF 2-IN (5.1 CM) COUPLING, 0.18 FT (0.05 M) ABOVE LSD. HIGHEST WATER LEVEL 73.72 FT (22.5 M) ABOVE MSL. JUNE 25, 1973; LOWEST 64.23 FT (19.6 M) ABOVE MSL. MAR. 18, 26, 1951. RECORDS AVAILABLE: 1942-75.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 30, 1974	+ 72.34	JAN. 30, 1975	+ 71.38	APR. 24, 1975	+ 71.86	AUG. 1, 1975	+ 72.95
NOV. 26	+ 72.00	FEB. 25	+ 71.83	MAY 29	+ 71.99	AUG. 26	+ 73.05
DEC. 31	+ 71.94	MAR. 24	+ 71.80	JUNE 25	+ 72.58	SEP. 29	+ 73.22

405037N0723903.1. (S 3543). CITY OF NEW YORK, BOARD OF WATER SUPPLY, WEST OF OLD RIVERHEAD RD., WESTHAMPTON. DRIVEN OBSERVATION WATER-TABLE WELL IN UPPER GLACIAL AQUIFER, DIAM 2 IN (5.1 CM), DEPTH 58 FT (17.7 M), SCREENED 56 FT (17.1 M) - 58 FT (17.7 M). LSD 64.4 FT (19.6 M) ABOVE MSL. MP TOP OF CASING, 0.04 FT (0.01 M) ABOVE LSD. HIGHEST WATER LEVEL 21.46 FT (6.54 M) ABOVE MSL. JUNE 24, 1958; LOWEST 15.03 FT (4.58 M) ABOVE MSL. JAN. 26, 1967. RECORDS AVAILABLE: 1907 - 09, 1942-43, 1947-75.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1974	+ 17.74	JAN. 31, 1975	+ 17.15	APR. 24, 1975	+ 18.41	AUG. 4, 1975	+ 19.75
NOV. 27	+ 17.45	FEB. 25	+ 17.56	MAY 29	+ 18.87	AUG. 28	+ 19.50
DEC. 27	+ 17.20	MAR. 24	+ 18.04	JULY 2	+ 19.22		

405743N0724257.1. (S 4271). U.S. GEOL. SURVEY, LONG ISLAND RESEARCH FARM, RIVERHEAD. DRILLED OBSERVATION WATER-TABLE WELL IN UPPER GLACIAL AQUIFER, DIAM 4 IN (10 CM), DEPTH 105 FT (32.0 M), SCREENED 100 FT (30.5 M) - 105 FT (32.0 M). LSD 100.3 FT (30.6 M) ABOVE MSL. MP TOP OF 4-IN (10 CM) COUPLING, 1.14 FT (0.35 M) ABOVE LSD. HIGHEST WATER LEVEL 13.07 FT (3.98 M) ABOVE MSL. JULY 23, 30, 1973; LOWEST 8.16 FT (2.49 M) ABOVE MSL. SEPT. 5, 1966. RECORDS AVAILABLE: 1945 - 75. DATA COLLECTED BY CORNELL UNIVERSITY.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1974	+ 10.856	DEC. 30, 1974	+ 10.706	MAR. 24, 1975	+ 10.846	JUNE 16, 1975	+ 11.256
OCT. 14	+ 10.836	JAN. 6, 1975	+ 10.686	MAR. 31	+ 10.876	JUNE 23	+ 11.286
OCT. 20	+ 10.626	JAN. 13	+ 10.696	APR. 7	+ 10.886	JUNE 30	+ 11.086
OCT. 28	+ 10.846	JAN. 20	+ 10.696	APR. 14	+ 10.926	JULY 7	+ 10.976
NOV. 3	+ 10.776	JAN. 27	+ 10.696	APR. 21	+ 10.966	JULY 14	+ 10.846
NOV. 11	+ 10.766	FEB. 3	+ 10.626	APR. 28	+ 10.996	JULY 21	+ 10.946
NOV. 18	+ 10.756	FEB. 10	+ 10.676	MAY 5	+ 11.036	JULY 28	+ 10.936
NOV. 25	+ 10.746	FEB. 17	+ 10.686	MAY 12	+ 11.066	AUG. 4	+ 10.906
DEC. 1	+ 10.706	FEB. 24	+ 10.696	MAY 19	+ 11.096	AUG. 11	+ 10.916
DEC. 9	+ 10.726	MAR. 3	+ 10.746	MAY 26	+ 11.146	AUG. 18	+ 10.976
DEC. 16	+ 10.716	MAR. 10	+ 10.746	JUNE 2	+ 11.166	AUG. 25	+ 10.846
DEC. 23	+ 10.746	MAR. 17	+ 10.776	JUNE 9	+ 11.206		

G MEASUREMENT BY ANOTHER AGENCY

405149N0725322.1. (S 5517). BROOKHAVEN NATIONAL LAB, UPTON RD. AND PRINCETON AVE., UPTON. DRILLED OBSERVATION WATER-TABLE WELL IN UPPER GLACIAL AQUIFER, DIAM 4 IN (10 CM), DEPTH 91 FT (27.7 M), SCREENED 85 FT (25.9 M) - 91 FT (27.7 M). LSD 115.0 FT (35.1 M) ABOVE MSL. MP TOP OF CASING, 0.04 FT (0.01 M) ABOVE LSD. HIGHEST WATER LEVEL 46.93 FT (14.3 M) ABOVE MSL. JUNE 25, 1958; LOWEST 33.34 FT (10.2 M) ABOVE MSL. MAR. 1, 1967. RECORDS AVAILABLE: 1948 - 75.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1974	+ 39.70	JAN. 31, 1975	+ 39.11	APR. 24, 1975	+ 41.16	AUG. 1, 1975	+ 40.92
NOV. 27	+ 39.51	FEB. 25	+ 40.65	MAY 29	+ 41.60	AUG. 26	+ 40.50
DEC. 31	+ 39.14	MAR. 24	+ 40.94	JUNE 30	+ 40.95		

405223N0725234.1. (S 6434). BROOKHAVEN NATIONAL LAB, 10TH ST. AND 4TH AVE., UPTON. DRILLED OBSERVATION ARTESIAN WELL IN LLOYD AQUIFER, DIAM 10 IN (25 CM), DEPTH 1,395 FT (425 M), SCREENED 1,312 FT (400 M) - 1392 FT (424 M). LSD 85.0 FT (25.9 M) ABOVE MSL. MP TOP OF 2-IN (5.1 CM) NIPPLE, 2.21 FT (0.67 M) ABOVE LSD. HIGHEST WATER LEVEL 35.20 FT (10.7 M) ABOVE MSL. JULY 29, 1958; LOWEST 28.74 FT (8.76 M) ABOVE MSL. MAR. 1, 1967. RECORDS AVAILABLE: 1949 - 75.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 31, 1974	+ 32.35	APR. 7, 1975	+ 32.98	JUNE 30, 1975	+ 33.18

LONG ISLAND -- CONTINUED

SUFFOLK COUNTY -- CONTINUED

405223N0725234.2. (S 6455). BROOKHAVEN NATIONAL LAB. 10TH ST. AND 4TH AVE., UPTON. DRILLED OBSERVATION ARTESIAN WELL IN MAGOTHY AQUIFER, DIAM 4 IN (10 CM), DEPTH 962 FT (293 M), SCREENED 952 FT (290 M) - 962 FT (293 M). LSD 84.6 FT (25.8 M) ABOVE MSL. MP TOP OF CASING, 0.16 FT (0.05 M) BELOW LSD. HIGHEST WATER LEVEL 41.70 FT (12.7 M) ABOVE MSL, JUNE 25, 1958; LOWEST 33.82 FT (10.3 M) ABOVE MSL, DEC. 27, 1966, MAR. 1, 1967. RECORDS AVAILABLE: 1949 - 52, 1954-75.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 31, 1974	+ 38.04	APR. 7, 1975	+ 39.24	JUNE 30, 1975	+ 39.47.

410100N0722925.1. (S 6542). CUTCHOGUE FIRE DEPT. DEPOT LANE, CUTCHOGUE. DRILLED FIRE- PROTECTION WATER-TABLE WELL IN UPPER GLACIAL AQUIFER, DIAM 6 IN (15 CM), DEPTH 36 FT (11.0 M), SCREEN ASSUMED AT BOTTOM. LSD 24.4 FT (7.44 M) ABOVE MSL, MP BOTTOM EDGE OF HOSE CONNECTION, 1.79 FT (0.55 M) ABOVE LSD. HIGHEST WATER LEVEL 8.27 FT (2.52 M) ABOVE MSL, MAY 29, 1958; LOWEST 2.66 FT (0.81 M) ABOVE MSL, AUG. 31, 1966. RECORDS AVAILABLE: 1949 - 75.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 2, 1975	+ 4.18	APR. 8, 1975	+ 5.90	JUNE 30, 1975	+ 7.02.

405309N0722330.1. (S 8836). SOUTHAMPTON FIRE DEPT. NUGENT ST., SOUTHAMPTON. DRILLED FIRE-PROTECTION WATER-TABLE WELL IN UPPER GLACIAL AQUIFER, DIAM 8 IN (20 CM), DEPTH 37 FT (11.3 M), SCREEN ASSUMED AT BOTTOM. LSD 17.4 FT (5.30 M) ABOVE MSL. MP TOP OF CASING, 1.47 FT (0.45 M) ABOVE LSD. HIGHEST WATER LEVEL 9.08 FT (2.77 M) ABOVE MSL, MAR. 29, 1973; LOWEST 4.93 FT (1.50 M) ABOVE MSL, AUG. 30, 1968. RECORDS AVAILABLE: 1950 - 75.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 21, 1974	+ 5.90	DEC. 27, 1974	+ 5.89	MAR. 21, 1975	+ 7.04	APR. 21, 1975	+ 7.32
JULY 2, 1975	+ 7.66.						

UPSTATE

BROOME COUNTY

420657N0755835.1 (BM 121). U.S. GEOL. SURVEY. CAMDEN AND MAIN STS., JOHNSON CITY. DRILLED OBSERVATION WATER-TABLE WELL IN GLACIAL SAND OF PLEISTOCENE AGE, DIAM 6 IN (15 CM), DEPTH 53 FT (16.2 M) (PREVIOUSLY REPORTED AS 51 FT (15.5 M)) CASIED TO 53 FT (16.2 M), OPEN END. (WELL HAD FILLED IN TO 46 FT (14.0 M). WELL WAS CLEANED OCT. 19, 1970, TO ORIGINAL DEPTH.) LSD ABOUT 835 FT (255 M) ABOVE MSL. MP TOP OF CASING, 3.17 FT (0.97 M) ABOVE LSD. HIGHEST WATER LEVEL 9.73 FT (2.97 M) BELOW LSD, APR. 8, 1956; LOWEST 33.47 FT (10.2 M) BELOW LSD, SEP. 23, 1965. RECORDS AVAILABLE: 1947 - 75. WATER LEVEL EFFECTED BY FLOODS OF SUSQUEHANNA RIVER, AND BY PUMPING (3 MGD (11,300 CU M PER DAY) TO 7 MGD (26,400 CU M PER DAY)) FROM NEARBY MUNICIPAL SUPPLY WELLS (1,100 FT (335 M) SOUTH).

HIGHEST WATER LEVEL FOR THE DAY, FROM RECORDER GRAPH, 1975 WATER YEAR.

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
5	28.8	29.4	26.6	26.4	24.6	21.2	22.7	24.5	25.6	27.7	28.5	28.3
10	28.9	28.6	24.8	26.6	25.2	22.7	23.0	23.3	25.7	28.1	28.6	28.4
15	29.1	27.7	24.3	24.5	25.8	23.9	23.6	23.6	26.0	28.2	28.7	28.3
20	29.2	27.2	24.7	25.0	26.2	23.8	23.8	24.0	26.4	28.4	28.8	28.4
25	29.4	26.5	25.4	24.4	.....	22.6	24.0	24.7	26.8	28.2	28.8	27.3
EOM	29.5	26.4	26.0	24.1	.....	22.9	24.2	25.6	26.7	28.2	28.6	20.3

UPSTATE -- CONTINUED

CATTARAUGUS COUNTY

420530N0784452.1 (CT 121), STATE DEPT. OF ENVIRONMENTAL CONSERVATION, NEAR RED HOUSE. DRILLED UNUSED ARTESIAN WELL IN SAND AND GRAVEL OF PLEISTOCENE AGE, DIAM 6 IN (15 CM), DEPTH 53 FT (16.2 M), CASED TO 53 FT (16.2 M), OPEN END, LSD ABOUT 1,470 FT (448 M) ABOVE MSL, MP TOP OF CASING, 0.30 FT (0.09 M) ABOVE LSD, HIGHEST WATER LEVEL 3.29 (1.00 M) BELOW LSD, DEC. 15, 1967; LOWEST 34.87 FT (10.6 M) BELOW LSD, NOV. 21, 1972, RECORDS AVAILABLE: 1950 - 75. UNUSUALLY LOW WATER LEVELS EXPERIENCED SINCE JULY 4, 1969. (PREVIOUS LOW WAS 13.23 FT (4.03 M), FEB. 1, 1961). EXTREME LOW LEVELS OCCUR DURING LATE SUMMER MONTHS, WITH LOWER THAN NORMAL LEVELS PREVALENT THROUGH-OUT THE YEAR. A SOURCE OF NEARBY PUMPING HAS NOT BEEN DETERMINED.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1974	33.35	JAN. 10, 1975	6.87	APR. 7, 1975	9.83	JULY 4, 1975	8.29
OCT. 11	31.96	JAN. 17	6.45	APR. 11	8.39	JULY 11	8.80
OCT. 18	27.30	JAN. 24	6.40	APR. 18	6.41	JULY 18	11.01
OCT. 25	23.66	JAN. 31	6.18	APR. 25	11.13	AUG. 1	10.16
NOV. 1	20.20	FEB. 7	5.46	MAY 2	9.00	AUG. 7	9.71
NOV. 8	17.31	FEB. 14	14.15	MAY 9	8.84	AUG. 16	9.94
NOV. 15	14.31	FEB. 21	18.67	MAY 16	8.65	AUG. 22	11.42
NOV. 22	14.48	FEB. 28	13.05	MAY 23	7.81	AUG. 29	12.00
DEC. 6	11.10	MAR. 7	10.35	MAY 30	7.95	SEP. 5	12.70
DEC. 13	9.72	MAR. 14	10.06	JUNE 6	6.70	SEP. 12	11.60
DEC. 20	8.55	MAR. 22	7.07	JUNE 13	5.51	SEP. 19	10.90
JAN. 3, 1975	7.43	MAR. 31	9.92	JUNE 20	4.67	SEP. 26	10.45

CHAUTAUQUA COUNTY

420326N0792958.1 (CU 5), STATE DEPT. OF ENVIRONMENTAL CONSERVATION, NEAR PANAMA. DUG UNUSED WATER-TABLE WELL IN GLACIAL TILL OF PLEISTOCENE AGE, DIAM 36 IN (91 CM), DEPTH 33 FT (10.1 M), STONE-LINED, LSD ABOUT 1,750 FT (533 M) ABOVE MSL, MP TOP OF 0.25-IN (0.6 CM) STEEL-PLATE WELL COVER, INSIDE SHELTER DOOR, 0.44 FT (0.13 M) BELOW LSD (SINCE NOV. 11, 1971). HIGHEST WATER LEVEL 0.95 FT (0.29 M) BELOW LSD, DEC. 26, 1968; LOWEST 9.41 FT (2.87 M) BELOW LSD, MAY 24, 1949. RECORDS AVAILABLE: 1949 - 75.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 3, 1974	6.30	JAN. 2, 1975	2.95	APR. 3, 1975	2.45	JULY 3, 1975	3.20
OCT. 10	5.30	JAN. 9	3.00	APR. 10	2.20	JULY 10	3.65
OCT. 17	5.20	JAN. 16	3.10	APR. 17	2.40	JULY 17	4.00
OCT. 24	4.65	JAN. 23	2.50	APR. 25	2.25	JULY 24	3.30
OCT. 31	4.45	JAN. 30	2.40	MAY 1	2.95	JULY 31	3.20
NOV. 7	3.40	FEB. 6	2.55	MAY 8	2.50	AUG. 7	2.60
NOV. 14	3.15	FEB. 13	2.75	MAY 15	3.00	AUG. 14	2.80
NOV. 21	3.00	FEB. 20	2.15	MAY 22	3.40	AUG. 21	2.95
NOV. 28	3.10	FEB. 27	2.05	MAY 29	3.50	AUG. 28	2.50
DEC. 5	3.20	MAR. 6	2.10	JUNE 5	1.40	SEP. 4	2.65
DEC. 12	3.10	MAR. 13	2.05	JUNE 12	1.95	SEP. 11	2.80
DEC. 19	2.90	MAR. 20	1.00	JUNE 19	2.90	SEP. 18	1.70
DEC. 26	2.85	MAR. 27	1.35	JUNE 26	2.65	SEP. 25	2.50

UPSTATE -- CONTINUED

CORTLAND COUNTY

423539N0761148.1 (C 19), CITY OF CORTLAND, BROADWAY, CORTLAND, DUG UNUSED WATER-TABLE WELL IN GLACIAL GRAVEL OF PLEISTOCENE AGE, DIAM 6 IN (15 CM), DEPTH 13 FT (3.96 M), CASEC TO 13 FT (3.96 M), OPEN END, LSD ABOUT 1,140 FT (347 M) ABOVE MSL, MP TOP INNER STEP OF FLANGE, 2.45 FT (0.75 M) BELOW LSD, HIGHEST WATER LEVEL 2.98 FT (0.91 M) BELOW LSD, APR. 5, 1947; LOWEST 11.37 FT (3.47 M) BELOW LSD, NOV. 13, 1971, RECORDS AVAILABLE: 1947 - 75, WATER LEVEL AFFECTED BY PUMPING FROM NEARBY MUNICIPAL SUPPLY WELLS AND BY STAGE OF NEARBY STREAM, FORMERLY A DUG, ABANDONED, MUNICIPAL SUPPLY WELL, DIAM 40 FT (12.2 M), DEPTH 18 FT (5.49 M), PRESENT 6 IN (15 CM) CASING INSTALLED AT CENTER AND DUG WELL BACKFILLED IN DEC. 1953.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1974	9.12	DEC. 10, 1974	5.02	MAR. 15, 1975	5.05	JUNE 20, 1975	5.80
OCT. 10	9.05	DEC. 15	4.99	MAR. 22	4.93	JUNE 27	6.15
OCT. 15	9.18	JAN. 5, 1975	5.45	MAR. 27	5.03	JULY 3	6.43
OCT. 20	9.36	JAN. 10	5.44	APR. 9	5.25	JULY 11	6.77
OCT. 25	9.51	JAN. 15	5.95	APR. 18	5.20	JULY 18	7.17
OCT. 31	9.68	JAN. 20	5.25	APR. 26	5.33	JULY 25	7.35
NOV. 5	9.53	JAN. 25	5.12	MAY 3	5.40	AUG. 7	7.55
NOV. 10	9.22	JAN. 31	5.40	MAY 10	5.33	AUG. 25	8.65
NOV. 15	8.07	FEB. 15	5.75	MAY 14	5.37	SEP. 4	7.55
NOV. 20	7.53	FEB. 20	5.70	MAY 20	2.29	SEP. 12	8.86
NOV. 25	5.94	FEB. 28	4.60	MAY 31	5.75	SEP. 17	8.44
NOV. 30	5.86	MAR. 1	4.45	JUNE 6	5.60	SEP. 27	4.75
DEC. 5	6.10	MAR. 5	4.90	JUNE 13	5.65		

DUTCHESS COUNTY

414737N0735633.1 (DU 32), U.S. NATIONAL PARK SERVICE, NEAR HYDE PARK, DRILLED UNUSED ARTESIAN WELL IN SHALE OF ORDOVICIAN AGE, DIAM 6 IN (15 CM), DEPTH 128 FT (39.0 M), OPEN HOLE, LSD ABOUT 170 FT (51.8 M) ABOVE MSL, MP TOP OF CASING, 3.10 FT (0.94 M) ABOVE LSD, HIGHEST WATER LEVEL 65.62 FT (20.0 M) BELOW LSD, JUN. 22, 1953; LOWEST 73.85 FT (22.5 M) BELOW LSD, SEP. 13, 1966, RECORDS AVAILABLE: 1948-50, 1953-75, WATER LEVEL AFFECTED BY EARTH TIDES (APPROXIMATELY 0.05 FT (0.02 M)).

HIGHEST WATER LEVEL FOR THE DAY, FROM RECORDER GRAPH, 1975 WATER YEAR.

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
5	68.40	68.47	.....	.....	68.02	.....	67.04	67.12	67.53	.....	67.54
10	68.56	68.42	.....	.....	68.00	.....	67.13	67.29	67.57	.....	67.75
15	68.45	68.60	.....	.....	67.90	.....	66.92	67.23	67.38	.....	67.86
20	68.42	68.41	.....	.....	67.58	.....	66.97	67.33	67.25	.....	67.86
25	68.52	68.45	.....	.....	67.56	.....	67.02	67.47	67.11	.....	67.70
EOM	68.67	68.52	.....	.....	67.49	.....	67.12	67.51	67.23	.....	67.74

GENESSEE COUNTY

425516N0780320.1 (GS 2), ANGELINE C. RIGONI, NEAR PAVILION, DUG UNUSED WATER-TABLE WELL IN GLACIAL TILL OF PLEISTOCENE AGE, DIAM 36 IN (91 CM), DEPTH 21 FT (6.40 M), STONE-LINED, LSD ABOUT 1,030 FT (314 M) ABOVE MSL, MP PAINTED ARROW ON TOP EDGE OF CONCRETE WELL COVER, INSIDE SHELTER DOOR, 1.12 FT (0.34 M) ABOVE LSD (SINCE OCT. 26, 1972), HIGHEST WATER LEVEL 0.10 FT (0.03 M) BELOW LSD, MAY 14, 1960, AND FEB. 28, 1971; LOWEST 6.55 FT (2.00 M) BELOW LSD, FEB. 11, 1961, RECORDS AVAILABLE: 1950 - 75.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1974	.96	JAN. 11, 1975	.35	APR. 12, 1975	.72	JULY 5, 1975	1.69
OCT. 12	1.53	JAN. 18	1.27	APR. 15	.33	JULY 12	1.71
OCT. 19	1.44	JAN. 25	1.53	APR. 19	.20	JULY 19	2.12
OCT. 26	1.67	FEB. 1	.75	APR. 26	.73	JULY 28	1.65
NOV. 2	1.87	FEB. 8	1.47	MAY 4	1.10	AUG. 2	2.02
NOV. 9	.93	FEB. 15	1.83	MAY 10	.78	AUG. 9	2.36
NOV. 20	.21	FEB. 24	.15	MAY 17	1.36	AUG. 16	2.70
NOV. 23	.56	MAR. 1	.40	MAY 24	1.65	AUG. 23	3.01
NOV. 30	.76	MAR. 8	.17	MAY 31	2.00	AUG. 30	.42
DEC. 6	.79	MAR. 10	.57	JUNE 7	.73	SEP. 6	1.30
DEC. 17	.26	MAR. 17	.63	JUNE 14	.99	SEP. 13	1.17
DEC. 21	.63	MAR. 22	.38	JUNE 20	.73	SEP. 20	1.17
DEC. 31	.50	MAR. 29	.63	JUNE 30	1.67	SEP. 27	.49
JAN. 4, 1975	.64	APR. 7	.80				

UPSTATE -- CONTINUED

GREENE COUNTY

422319N0734820.1 (G 1). FRED KROPP. NEAR WEST COXSACKIE. DUG DOMESTIC WATER-TABLE WELL IN GLACIAL TILL OF PLEISTOCENE AGE, DIAM 36 IN (91 CM), DEPTH 19 FT (5.79 M), TILE-LINED TO 2 FT (0.61 M), STONE-LINED TO 19 FT (5.79 M). LSD ABOUT 130 FT (39.6 M) ABOVE MSL. MP CHISELED SQUARE ON TOP OF INNER STEP ON CURB, 0.18 FT (0.05 M) BELOW LSD. HIGHEST WATER LEVEL 1.07 FT (0.33 M) BELOW LSD, MAR. 15, 1962; LOWEST 15.56 FT (4.74 M) BELOW LSD, FEB. 27, 1963. RECORDS AVAILABLE: 1945-75.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1974	3.18	JAN. 2, 1975	3.29	APR. 5, 1975	2.94	JULY 7, 1975	5.69
OCT. 9	3.91	JAN. 9	2.35	APR. 12	3.48	JULY 14	4.86
OCT. 16	4.06	JAN. 17	3.07	APR. 19	3.94	JULY 21	3.55
OCT. 24	4.05	JAN. 24	4.21	APR. 26	4.11	JULY 28	3.85
NOV. 2	4.35	JAN. 31	2.95	MAY 3	4.05	AUG. 4	4.78
NOV. 7	3.57	FEB. 7	4.36	MAY 11	3.98	AUG. 12	3.40
NOV. 14	2.87	FEB. 14	5.12	MAY 17	3.98	AUG. 19	4.47
NOV. 21	2.54	FEB. 21	3.21	MAY 24	4.58	AUG. 26	5.09
NOV. 29	5.038	FEB. 28	2.75	MAY 31	4.31	SEP. 2	4.18
DEC. 5	3.42	MAR. 8	3.73	JUNE 7	3.17	SEP. 9	4.34
DEC. 13	2.95	MAR. 14	4.24	JUNE 14	2.82	SEP. 17	4.61
DEC. 19	2.71	MAR. 22	2.62	JUNE 21	3.88	SEP. 25	3.50
DEC. 26	3.12	MAR. 29	3.52	JUNE 29	4.34	SEP. 30	3.35

B WELL PUMPED RECENTLY

MONTGOMERY COUNTY

430141N0744235.1 (MT 1). MARION G. GROFF. NEAR ST. JOHNSVILLE. DUG UNUSED WATER-TABLE WELL IN GLACIAL TILL OF PLEISTOCENE AGE, DIAM 24 IN (61 CM), DEPTH 12 FT (3.66 M), STONE-LINED. LSD ABOUT 710 FT (216 M) ABOVE MSL. MP TOP EDGE OF LIMESTONE SLAB AT NORTHEAST CORNER OF WELL OPENING. AT LSD. HIGHEST WATER LEVEL 3.74 FT (1.14 M) BELOW LSD, APR. 10, 1971; LOWEST 9.99 FT (3.04 M) BELOW LSD, AUG. 28, 1949. RECORDS AVAILABLE: 1942 - 75.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1974	7.83	NOV. 30, 1974	7.87	MAR. 18, 1975	7.32	JULY 6, 1975	7.60
OCT. 12	8.06	DEC. 7	7.83	MAR. 25	6.52	JULY 17	8.35
OCT. 21	8.11	DEC. 14	7.67	APR. 11	6.54	AUG. 8	8.24
OCT. 26	8.20	DEC. 21	7.49	APR. 17	6.58	AUG. 25	8.38
NOV. 2	8.29	DEC. 28	7.32	MAY 3	6.19	SEP. 1	7.44
NOV. 9	7.30	JAN. 4, 1975	7.30	JUNE 3	6.81	SEP. 8	7.62
NOV. 16	7.70	JAN. 24	7.19	JUNE 14	6.89	SEP. 22	7.03
NOV. 23	7.91	FEB. 26	6.98	JUNE 24	7.18	SEP. 27	6.60

ONEIDA COUNTY

433112N0750915.1 (OE 151). HENRY RUBYOR. AT WOODGATE. DUG DOMESTIC WATER-TABLE WELL IN GLACIAL SAND OF PLEISTOCENE AGE, DIAM 36 IN (91 CM), DEPTH 31 FT (9.45 M), STONE-LINED. LSD 1,484.94 FT (453 M) ABOVE MSL. MP TOP OF 2-FT (0.61 M) SQUARE CONCRETE WELL COVER AT MIDPOINT OF SOUTH SIDE OF RECTANGULAR OPENING, 1.00 FT (0.30 M) ABOVE LSD. HIGHEST WATER LEVEL 11.47 FT (3.50 M) BELOW LSD, MAY 13, 1972; LOWEST 30.31 FT (9.24 M) BELOW LSD, FEB. 25, 1961. RECORDS AVAILABLE: 1926 - 45, 1948-75.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1974	24.58	JAN. 4, 1975	21.97	APR. 5, 1975	19.21	JULY 12, 1975	22.82
OCT. 12	24.78	JAN. 11	22.51	APR. 12	19.11	JULY 19	23.15
OCT. 19	25.16	JAN. 18	22.74	APR. 19	19.02	JULY 26	23.70
OCT. 26	25.32	JAN. 25	22.31	APR. 26	15.32	AUG. 2	24.59
NOV. 2	25.61	FEB. 1	22.55	MAY 3	15.04	AUG. 9	24.99
NOV. 9	25.67	FEB. 8	22.16	MAY 10	15.61	AUG. 16	25.71
NOV. 16	25.81	FEB. 15	22.17	MAY 17	16.22	AUG. 23	25.10
NOV. 23	25.19	FEB. 22	22.83	MAY 24	17.54	AUG. 30	26.10
NOV. 30	23.71	MAR. 1	22.60	MAY 31	18.29	SEP. 6	26.15
DEC. 7	22.55	MAR. 8	22.32	JUNE 14	19.76	SEP. 13	26.45
DEC. 14	22.18	MAR. 15	22.39	JUNE 21	20.50	SEP. 20	26.10
DEC. 21	21.62	MAR. 22	22.19	JUNE 28	21.10	SEP. 27	25.69
DEC. 28	21.70	MAR. 29	19.78	JULY 5	21.92		

UPSTATE -- CONTINUED

ONTARIO COUNTY

425840N0771339.1 (OT 900). STATE THRUWAY AUTHORITY. AT NEW YORK STATE THRUWAY INTERCHANGE NO. 43, NEAR MANCHESTER. DRILLED UNUSED ARTESIAN WELL IN CAMILLUS SHALE OF THE SALINA GROUP OF LATE SILURIAN AGE, DIAM 6 IN (15 CM), DEPTH 139 FT (42.4 M), CASED TO 11 FT (3.35 M), OPEN HOLE, LSD ABOUT 555 FT (169 M) ABOVE MSL, MP TOP OF CASING, 11.43 FT (3.48 M) ABOVE LSD, HIGHEST WATER LEVEL 10.78 FT (3.29 M) ABOVE LSD, APR. 27, 1964; LOWEST 4.59 FT (1.40 M) ABOVE LSD, NOV. 11, 1957. RECORDS AVAILABLE: 1955 - 75.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1974	+ 8.67	JAN. 6, 1975	+ 9.50	APR. 7, 1975	+ 9.99	JULY 7, 1975	+ 9.08
OCT. 14	+ 8.83	JAN. 13	+ 9.70	APR. 14	+ 9.81	JULY 14	+ 8.67
OCT. 21	+ 8.46	JAN. 20	+ 9.48	APR. 21	+ 9.81	JULY 21	+ 8.62
OCT. 28	+ 8.52	JAN. 27	+ 9.46	APR. 28	+ 9.81	JULY 28	+ 8.56
NOV. 4	+ 8.59	FEB. 3	+ 9.28	MAY 5	+ 9.83	AUG. 4	+ 8.34
NOV. 11	+ 8.60	FEB. 10	+ 9.46	MAY 12	+ 9.78	AUG. 11	+ 8.10
NOV. 18	+ 8.58	FEB. 17	+ 9.45	MAY 19	+ 9.71	AUG. 18	+ 7.90
NOV. 25	+ 8.79	FEB. 24	+ 9.78	MAY 26	+ 9.43	AUG. 25	+ 7.81
DEC. 2	+ 9.21	MAR. 3	+ 9.69	JUNE 2	+ 9.25	SEP. 2	+ 7.86
DEC. 9	+ 9.23	MAR. 10	+ 9.73	JUNE 9	+ 9.21	SEP. 8	+ 7.71
DEC. 16	+ 9.41	MAR. 17	+ 9.57	JUNE 16	+ 9.28	SEP. 15	+ 7.52
DEC. 23	+ 9.40	MAR. 24	+ 10.11	JUNE 23	+ 9.20	SEP. 22	+ 7.58
DEC. 30	+ 9.47	MAR. 31	+ 9.82	JUNE 30	+ 9.15	SEP. 29	+ 7.88

RENSSELAER COUNTY

423834N0733910.1 (RE 700). WILLIAM P. HOFMANN. NEAR DEFREESTVILLE. DUG DOMESTIC WATER-TABLE WELL IN SAND AND GRAVEL OF PLEISTOCENE AGE, DIAM 4 FT (1.22 M), DEPTH 16 FT (4.88 M), STONE-LINED, LSD ABOUT 405 FT (123 M) ABOVE MSL, MP TOP EDGE OF CONCRETE CURBING AT MIDPOINT OF NORTH SIDE OF RECTANGULAR OPENING, 2.00 FT (0.61 M) ABOVE LSD, HIGHEST WATER LEVEL 8.92 FT (2.72 M) BELOW LSD, APR. 4, 1970; LOWEST 15.49 FT (4.72 M) BELOW LSD, OCT. 3, 1964. RECORDS AVAILABLE: 1954 - 75.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1974	13.34	JAN. 4, 1975	11.20	APR. 9, 1975	9.65	JULY 5, 1975	12.90
OCT. 12	13.29	JAN. 11	10.55	APR. 13	9.48	JULY 12	13.01
OCT. 19	13.18	JAN. 18	10.43	APR. 19	9.60	JULY 19	13.35
OCT. 26	13.54	JAN. 25	10.45	APR. 26	10.05	JULY 26	13.00
NOV. 2	13.50	FEB. 2	10.36	MAY 6	10.13	AUG. 2	13.18
NOV. 11	13.09	FEB. 9	10.67	MAY 10	10.42	AUG. 9	12.55
NOV. 16	12.53	FEB. 15	10.78	MAY 17	10.58	AUG. 16	12.25
NOV. 24	11.80	FEB. 23	10.20	MAY 24	11.42	AUG. 23	12.30
DEC. 1	11.52	MAR. 2	10.11	MAY 31	11.45	AUG. 31	12.31
DEC. 8	11.35	MAR. 9	10.27	JUNE 7	11.51	SEP. 7	12.90
DEC. 15	11.11	MAR. 16	10.40	JUNE 16	11.80	SEP. 20	12.99
DEC. 22	11.03	MAR. 23	9.90	JUNE 21	11.92	SEP. 27	12.18
DEC. 28	11.05	MAR. 31	10.07	JUNE 28	12.45		

ROCKLAND COUNTY

411802N0735930.1 (RO 18). PALISADES INTERSTATE PARK COMM. IN BEAR MOUNTAIN SECTION NEAR LEMON RD. AND SEVEN LAKES DR. DRILLED UNUSED ARTESIAN WELL IN STORM KING GRANITE OF PRECAMBRIAN AGE, DIAM 6 IN (15 CM), DEPTH 60 FT (18.3 M), CASED TO 53 FT (16.2 M), OPEN HOLE, LSD ABOUT 390 FT (119 M) ABOVE MSL, MP TOP OF CASING, 3.65 FT (1.11 M) ABOVE LSD, HIGHEST WATER LEVEL 16.55 FT (3.22 M) BELOW LSD, MAR. 3, 1961; LOWEST 28.16 FT (8.58 M) BELOW LSD, NOV. 29, 1964. RECORDS AVAILABLE: 1949 - 75.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1974	22.30	JAN. 25, 1975	13.12	MAR. 26, 1975	13.00	JULY 3, 1975	17.87
OCT. 18	22.86	FEB. 3	13.72	APR. 4	13.71	JULY 22	17.35
NOV. 8	23.34	FEB. 10	14.50	MAY 12	16.18	JULY 31	17.39
NOV. 15	23.50	FEB. 18	15.06	MAY 19	15.82	AUG. 11	18.07
DEC. 6	22.91	MAR. 3	13.10	MAY 27	15.78	AUG. 28	19.71
JAN. 3, 1975	15.97	MAR. 11	14.57	JUNE 9	16.50	SEP. 28	18.03
JAN. 10	16.02	MAR. 18	15.20	JUNE 28	17.48		

UPSTATE -- CONTINUED

ST. LAWRENCE COUNTY

444904N0744552.1 (ST 40). STATE DEPT. OF ENVIRONMENTAL CONSERVATION, NEAR BRASHER FALLS. DUG UNUSED WATER-TABLE WELL IN GLACIAL SAND OF PLEISTOCENE AGE, DIAM 36 IN (91 CM), DEPTH 12 FT (3.66 M), CONCRETE CASED TO 12 FT (3.66 M), OPEN END. LSD 299 FT (91 M) ABOVE MSL (DETERMINED WITH BAROMETRIC ALTIMETER). MP CHISLED MARK ON TOP EDGE OF 6 IN (15 CM) X 8-IN (20 CM) OPENING OF CONCRETE WELL COVER, 0.7 FT (0.21 M) ABOVE LSD (SINCE NOV. 4, 1971). HIGHEST WATER LEVEL 3.24 FT (0.99 M) BELOW LSD, APR. 21, 1971; LOWEST 9.38 FT (2.86 M) BELOW LSD, OCT. 24, 1964. RECORDS AVAILABLE: 1953 - 75.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1974	7.23	JAN. 8, 1975	6.22	APR. 9, 1975	5.40	JULY 9, 1975	6.94
OCT. 9	7.00	JAN. 15	5.75	APR. 16	5.12	JULY 18	7.22
OCT. 16	7.10	JAN. 22	5.93	APR. 23	4.44	JULY 25	7.35
OCT. 23	7.22	JAN. 29	6.02	APR. 30	4.68	JULY 30	7.21
OCT. 30	7.33	FEB. 5	6.21	MAY 7	4.91	AUG. 6	7.51
NOV. 6	7.37	FEB. 12	6.24	MAY 14	5.10	AUG. 13	7.76
NOV. 13	7.32	FEB. 19	6.60	MAY 21	5.27	AUG. 20	8.01
NOV. 20	6.89	FEB. 26	6.20	MAY 28	5.52	AUG. 27	8.26
DEC. 3	6.22	MAR. 5	6.08	JUNE 4	5.48	SEP. 3	8.37
DEC. 11	6.03	MAR. 12	6.15	JUNE 11	5.38	SEP. 10	8.48
DEC. 18	5.99	MAR. 19	5.80	JUNE 18	5.68	SEP. 17	8.53
DEC. 25	6.06	MAR. 26	5.34	JULY 2	6.56	SEP. 24	8.54
JAN. 2, 1975	6.11	APR. 2	5.42				

SCHENECTADY COUNTY

424910N0735914.1 (SN 363). CITY OF SCHENECTADY. DRILLED OBSERVATION WATER-TABLE WELL IN SAND AND GRAVEL OF PLEISTOCENE AGE, DIAM 6 IN (15 CM), ORIGINAL DEPTH 57 FT (17.4 M) (HAS FILLED IN TO 54), CASED TO 57 FT (17.4 M), OPEN END. LSD 228.50 FT (69.6 M) ABOVE MSL. MP TOP OF SHELTER PLATFORM, 2.55 FT (0.78 M) ABOVE LSD. HIGHEST WATER LEVEL 9.59 FT (2.92 M) BELOW LSD, JUNE 24, 1972; LOWEST 31.27 FT (9.53 M) BELOW LSD, FEB. 10, 1966. RECORDS AVAILABLE: 1960-75. WATER LEVEL AFFECTED BY STAGE OF MOHAWK RIVER, AND BY PUMPING (AVG. 14.9 MGD (56,400 CU M PER DAY) IN 1969) FROM MUNICIPAL WELL FIELD.

HIGHEST WATER LEVEL FOR THE DAY, FROM RECORDER GRAPH, 1975 WATER YEAR.

DAY	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.
S	19.03	18.92	18.78	.....	17.83	19.42	19.16	19.21	18.70	20.89	20.31	18.97
10	18.98	18.4 E	17.15	19.99	17.95	20.30	21.42	19.99	18.15	20.79	18.57	.....
15	19.47	18.12	19.16	18.60	.....	21.42	20.94	20.82	17.84	19.40	.....	.....
20	18.25	19.90	21.57	19.24	19.14	.....	18.79	19.63	19.05	19.04	.....	.....
25	18.94	18.23	19.35	19.80	14.4 E	.....	19.11	19.67	21.11	19.28	.....	.....
EOM	18.76	.....	19.64	16.69	.....	19.85	20.11	19.46	20.59	20.22	16.78	16.49

E ESTIMATED

WASHINGTON COUNTY

431026N0731941.1 (W 264). VILLAGE OF SALEM. DUG FIRE-PROTECTION WATER-TABLE WELL IN GLACIAL GRAVEL OF PLEISTOCENE AGE, APPROXIMATE SIZE 8 FT (2.44 M) BY 12 FT (3.66 M), DEPTH 15 FT (4.57 M), STONE-LINED. LSD 485.5 FT (148 M) ABOVE MSL. MP TOP EDGE OF CONCRETE COVER AT NORTH SIDE OF SQUARE OPENING, AT LSD. HIGHEST WATER LEVEL 6.62 FT (2.02 M) BELOW LSD, APR. 4, 1960; LOWEST 11.70 FT (3.57 M) BELOW LSD, OCT. 12, 1964. RECORDS AVAILABLE: 1946 - 75. WATER LEVEL AFFECTED BY FLOODS OF NEARBY STREAM.

RECORD TEMPORARILY DISCONTINUED

UPSTATE -- CONTINUED

WYOMING COUNTY

423739N0775955.1 (W 1). STATE DEPT. OF ENVIRONMENTAL CONSERVATION, LETCHWORTH STATE PARK, NEAR CASTILE. DUG UNUSED WATER-TABLE WELL IN GLACIAL TILL (?) OF PLEISTOCENE AGE, DIAM 2 IN (5.1 CM), DEPTH 14 FT (4.27 M), WELL POINT (60-GAUZE SCREEN) 11-14. LSD ABOUT 1.020 FT (311 M) ABOVE MSL. MP TOP OF 2-IN (5.1 CM) BY 1-IN (2.5 CM) REDUCING COUPLING, 3.33 FT (1.01 M) ABOVE LSD. HIGHEST WATER LEVEL 0.5 FT (0.15 M) BELOW LSD, APR. 5, 1947; LOWEST DRY, DEC. 6 - 27, 1964, JAN. 2, 1965. RECORDS AVAILABLE: 1942 - 75.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 6, 1974	13.16	NOV. 17, 1974	13.41	MAR. 16, 1975	3.41	JULY 16, 1975	9.00
OCT. 15	13.35	DEC. 17	6.65	APR. 19	3.10	AUG. 17	10.95
OCT. 20	13.46	JAN. 11, 1975	3.00	MAY 19	3.57	SEP. 20	12.26
OCT. 28	13.60	FEB. 15	4.63	JUNE 16	3.18		

Table 4.—NEW YORK STATE WATER QUALITY SURVEILLANCE STATIONS FOR WHICH WATER SAMPLES WERE ANALYZED BY AGENCIES OTHER THAN THE U.S. GEOLOGICAL SURVEY, 1975 WATER YEAR

USGS - U.S. Geological Survey
 OWDC - Office of Water Data Coordination
 WQS - New York State Water Quality Surveillance
 EPA - Environmental Protection Agency

Identification Number			Station	Latitude Longitude	Identification Number			Station	Latitude Longitude
USGS	WQS	OWDC			USGS	WQS	OWDC		
01336600	12 0550	68068	Mohawk River (Canal Section) at Rome	43°11'58" 75°23'24"	03014600	02 1011	68788	Conewango Creek at Frewsburg	42°04'11" 79°09'25"
01337450	12 1223		Oriskany Creek at Walesville	43°06'56" 73°21'59"	03014670	02 1010	61410	Conewango Creek near Fentonville	42°01'23" 79°09'35"
01338600	12 0452	68085	Mohawk River above Whitesboro	43°08'23" 75°18'12"	04213378	01 1040	77387	Canadaway Creek at Dunkirk	42°28'32" 79°21'56"
01341150	12 0515		Mohawk River at Lealand Avenue at Utica	43°06'28" 75°12'41"	04213450	01 2002	68120	Buttermilk Creek near Springville	42°28'50" 78°40'32"
01342602	12 0500	61406	Mohawk River near Utica	43°05'26" 75°09'28"	04213500	01 1070	61409	A Cattaraugus Creek at Gowanda	42°28'05" 78°56'30"
01342755	12 0450	68083	Mohawk River at Herkimer	43°01'01" 74°59'48"	04214020	01 1030	77388	A Cattaraugus Creek at Irving	42°34'12" 79°06'45"
01346000	12 1411	68094	West Canada Creek at East Bridge	43°04'25" 74°59'24"	04214240	01 1020	77389	Eighteenmile Creek at Highland-on-the-Lake	42°42'44" 78°58'00"
01357995	13 0007	67597	Hudson River at Troy	42°45'05" 73°41'10"	04215790	01 1006	68121	Buffalo River at Ohio Street at Buffalo	42°51'42" 78°52'04"
01496380	06 P069	68109	Canadarago Lake near Richfield Springs	42°49'16" 75°00'41"	04216060	01 0004	68122	Niagara River at Bird Island at Buffalo	42°54'53" 78°54'12"
01502632	06 0045	68108	Susquehanna River at Bainbridge	42°17'28" 75°28'36"	04216080	01 C005	68125	Black Rock Canal at Buffalo	42°54'54" 78°54'10"
01505000	06 1022	68106	Chenango River at Sherburne	42°40'43" 75°30'39"	04216225	01 0007	73650	Niagara River at Tonawanda Water Intake	42°57'02" 78°55'15"
01505580	06 1021	68107	Chenango River near Oxford	42°28'21" 75°32'44"	04216230	01 0008		Niagara River at Tonawanda Water Treatment Plant	42°57'50" 78°55'30"
01509030	06 2041	68105	Tioughnioga River at Blodgett Mills	42°34'05" 76°07'18"	04218595	01 C900	68124	Erie (Barge) Canal near Pendleton	43°06'57" 78°44'13"
01513500	06 0006	61438	Susquehanna River at Vestal	42°05'31" 76°03'21"	04218705	04 C901	68113	Erie (Barge) Canal at State Highway 383 at Rochester	43°07'23" 77°38'45"
01513831	06 0020	73154	Susquehanna River at Owego	42°06'01" 76°15'39"	04218760	04 C902	68112	Erie (Barge) Canal at West Brighton	43°06'38" 77°37'58"
01514937	06 0015	61440	Susquehanna River at Smithboro	42°01'41" 76°23'07"	04219355	01 0002	68123	Niagara River (Tonawanda Channel) at Niagara Falls	43°04'28" 79°00'19"
01520500	05 1120	61424	A Tioga Creek at Lindley	42°01'43" 77°07'55"	04219640	01 0001	61408	A Niagara River (Lake Ontario) at Fort Niagara	43°18'10" 79°03'52"
01524525	05 2004	68110	Canisteo River below Hornell	42°17'58" 77°39'03"	04220284	03 L002	61431	Lake Ontario at MCNA Intake at Rochester	43°16'45" 77°37'01"
01529552	05 1080	61386	Cohocton River at Campbell	42°13'37" 77°11'56"	04220437	04 0076		Genesee River above Dyke Creek at Wellsville	42°06'25" 77°56'07"
01529950	05 0005	68111	Chemung River at Corning	42°08'51" 77°03'42"	04220438	04 0075	61414	Genesee River above Wellsville	42°06'40" 77°56'30"
01530310	05 0003	61415	Chemung River at Fitch Bridge	42°04'57" 76°52'01"	04227000	04 1008	68114	A Canaseraga Creek at Shakers Crossing	42°44'12" 77°50'28"
01531000	05 0001	61439	A Chemung River at Chemung	42°00'10" 76°38'06"	04227510	04 0065	61418	Genesee River at Genesee	42°46'37" 77°50'31"
03010844	02 0005	77390	Allegheny River at Allegany	42°05'26" 78°30'09"	04228500	04 0006	68115	A Genesee River at Avon	42°55'04" 77°45'27"
03010870	02 0003	68790	Allegheny River at Vandalia	42°05'38" 78°34'27"	04230055	04 1050	61419	Honeoye Creek at West Rush	42°58'40" 77°41'52"
03010958	02 1036	61411	Tumungwant Creek at Tuna Creek, Pa.	41°59'47" 78°37'21"	04230650	04 0020	61413	Genesee River at Ballantyne Bridge near Mortimer	43°05'31" 77°40'52"
03011020	02 0002	68119	Allegheny River at Salamanca	42°09'24" 78°42'57"	04231500	04 0004	68116	Genesee River at State Highway 47 at Rochester	43°07'28" 77°37'56"
03014500	02 3061	68095	Chadakoin River at Falconer	42°06'44" 79°14'19"	04232000	04 0003	68117	A Genesee River at Rochester	43°10'50" 77°37'40"
03014590	02 2013		Cassadaga Creek near Jamestown	42°05'48" 79°09'25"	04232006	04 0001	68118	A Genesee River at Charlotte Docks, at Rochester	43°13'26" 77°37'56"

A Additional water-quality data in this report.

Table 4.—NEW YORK STATE WATER QUALITY SURVEILLANCE STATIONS FOR WHICH WATER SAMPLES WERE ANALYZED BY AGENCIES OTHER THAN THE U.S. GEOLOGICAL SURVEY, 1975 WATER YEAR - Continued

Identification			Station	Latitude Longitude	Identification			Station	Latitude Longitude
Number		USGS OWDC			Number		USGS OWDC		
WQS EPA	WQS EPA				WQS EPA	WQS EPA			
04232158 61429	03 L840		Lake Ontario near Oswego	43°28'17" 76°32'59"	04235730 73652	07 1150	Seneca River near Weedsport	43°04'14" 76°33'25"	
0423249907 68103	07 P108		Seneca Lake at Salt Point	42°24'25" 76°53'10"	04237500 54102	07 1020 A	Seneca River at Baldwinsville	43°09'24" 76°19'58"	
0423249988 61430	07 P106		Seneca Lake at Geneva Water Plant near Geneva	42°48'52" 76°57'24"	04240300 68096	07 4401	Ninemile Creek at Syracuse	43°04'50" 76°13'36"	
04232651 73653	07 1040		Seneca River at Waterloo	42°54'05" 76°51'46"	04240500 68100	07 2400	Onondaga Lake Outlet at Long Branch	43°07'01" 76°14'44"	
04232707 73654	07 1060 354301		Seneca River (Cayuga and Seneca Canal) at Seneca Falls	42°54'18" 76°49'34"	04240540 68101	07 1361	Seneca River at Belgium	43°10'15" 76°16'06"	
04232723 73655	07 P080		Seneca River (Van Cleef Lake) at Seneca Falls	42°54'54" 76°47'14"	04242730 68097	07 3405	Fish Creek at Fish Creek Landing	43°13'16" 75°42'06"	
04232730 61385	07 1090		Seneca River (Cayuga and Seneca Canal) near Seneca Falls	42°56'20" 76°45'42"	04243535 68098	07 3404	Oneida Creek at South Bay	43°09'51" 75°44'14"	
0423406011 68104	07 P113		Cayuga Lake at Myers	42°32'05" 76°32'56"	04245500 68099	07 3403	Chittenango Creek at Bridgeport	43°09'18" 75°58'18"	
0423406084 61433	07 P111		Cayuga Lake near Canoga	42°50'49" 76°43'43"	04246000 68102	07 1231	Oneida Lake (Oneida River) at Brewerton	43°14'25" 76°08'28"	
042340613 61448	07 1130		Seneca River (Cayuga and Seneca Canal) at Free Bridge Corners	42°57'46" 76°44'17"	04247080 61446	07 0200	Oswego River at Hinmansville	43°14'54" 76°21'06"	
0423454444 61383	07 P120		Canandaigua Lake near Canandaigua	42°50'32" 77°16'42"	04249000 61447	07 0180 A	Oswego River at Oswego	43°27'26" 76°31'06"	
04235396 61382	07 P115		Owasco Lake near Auburn	42°53'56" 76°32'17"					

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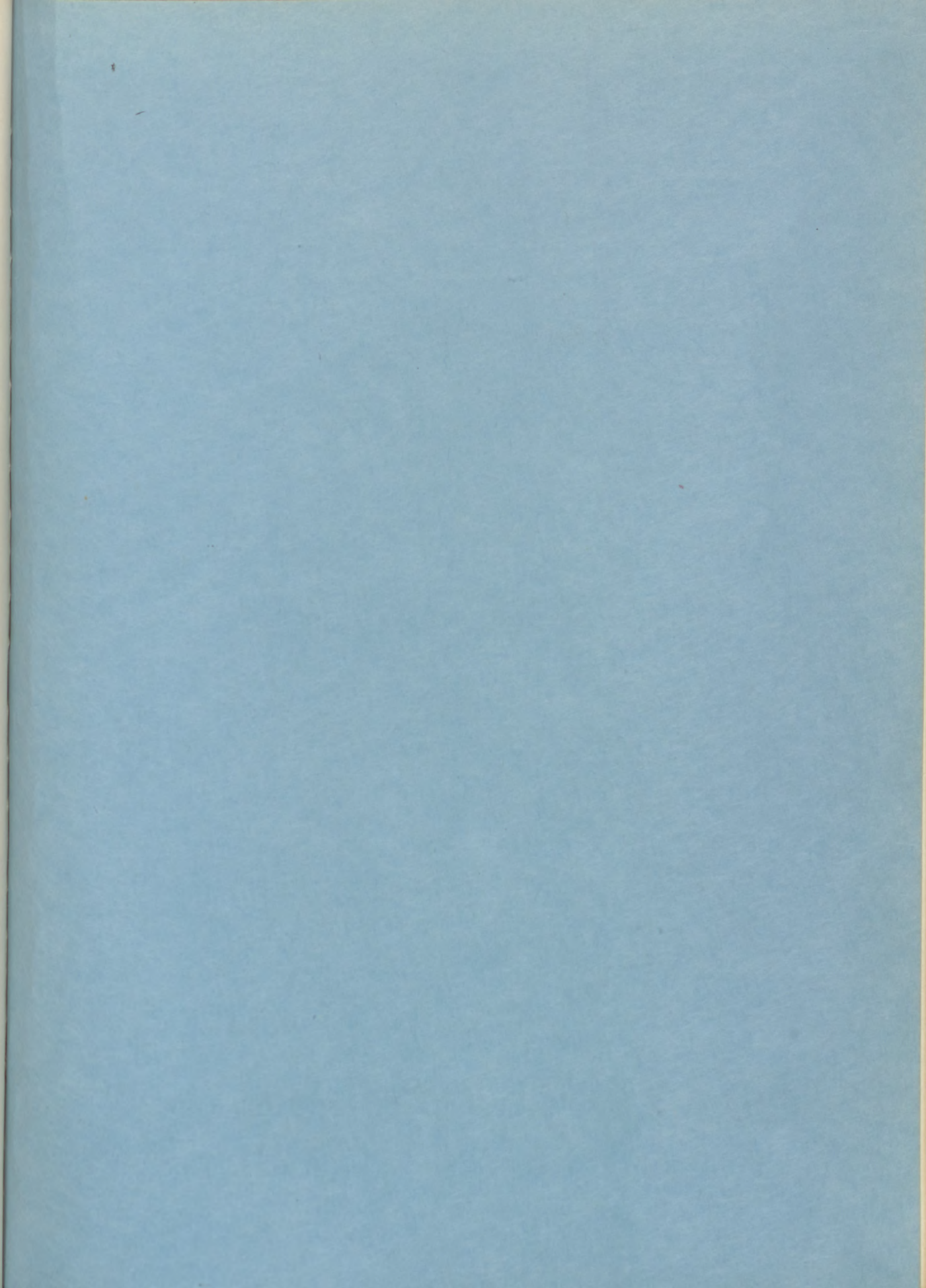
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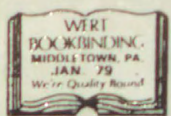
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