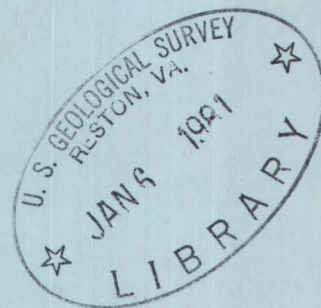


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Water Resources Data for New York

Part 1. Surface Water Records



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

CALENDAR FOR WATER YEAR 1974

1973

OCTOBER

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1974

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1974

**Water Resources Data
for
New York**

Part 1. Surface Water Records



**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

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

State Department of Environmental Conservation
State Department of Transportation
State Power Authority
Board of Hudson River-Black River Regulating District
Central New York State Parks Commission
Oswegatchie River-Cranberry Reservoir Commission
County of Chautauqua, Planning Department
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 Suffolk, Department of Environmental Control
County of Suffolk, Water Authority
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
Corps of Engineers, U.S. Army

Water resources records, 1974, for New York are in the following reports of the U.S. Geological Survey:

1. Water Resources Data for New York
Part 1: Surface Water Records
2. Water Resources Data for New York
Part 2: Water Quality Records

Copies of this report may be obtained from:

District Chief, Water Resources Division
U.S. Geological Survey
U.S. Post Office and Court House
P.O. Box 1350
Albany, N.Y. 12201

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WATER RESOURCES DATA FOR NEW YORK, 1974

INTRODUCTION

Water Resources data for the 1974 water year for New York, including records of streamflow, reservoir storage or lake elevations at gaging stations, partial record stations, and miscellaneous sites, are given in this report. Records are included for 240 gaging stations of which 201 are streamflow discharge stations, 2 are stage only streamflow stations and 39 are lake or reservoir stations; also included are records for 173 low-flow partial-record stations, 102 crest-stage partial-record stations, and 283 miscellaneous sites. Locations of gaging stations are shown in plates 1 and 1A. A few pertinent stations (not included above) in bordering States are also included in this report. The records were collected and computed, by the Water Resources Division of the U.S. Geological Survey under the direction of Robert J. Dingman, district chief. These data represent that portion of the National Water Data System collected by the U.S. Geological Survey and cooperating State and Federal agencies in New York.

Beginning with the 1961 water year, streamflow records and related data have been released by the Geological Survey in annual reports on a state-boundary basis. Water-quality records beginning in the 1964 water year have been similarly released in separate reports. These records are for limited distribution and are designed primarily for rapid release of data shortly after the end of the water year.

Records of discharge and stage of streams, and contents and stage of lakes and reservoirs are published in a series of U.S. Geological Survey water-supply papers entitled "Surface Water Supply of the United States". Through September 30, 1960, these water-supply papers were in an annual series and since then are in 5-year series. Records of chemical quality, water temperature, and suspended sediment have been in an annual series of water-supply papers entitled "Quality of Surface Waters of the United States".

COOPERATION

The U.S. Geological Survey and organizations of the State of New York have had cooperative agreements for the systematic collection of streamflow 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:

State Department of Environmental Conservation, J.C. Biggane,
commissioner
State Department of Transportation, R.T. Schuler, commissioner
State Power Authority, J.A. Fitzpatrick, chairman;
G.T. Berry, chief engineer
Board of Hudson River-Black River Regulating District,
Robert Forrest, chief engineer
Central N.Y. 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, R.A. Dennison
commissioner
City of Albany, Department of Water and Water Supply, W.F.
Devane, 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

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.

The following organizations aided in collecting records:

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

DEFINITION OF TERMS

Terms related to streamflow and other hydrologic data, as used in this report, are defined below. See also Table for converting English units to international system of units (SI) on page

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

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

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 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.

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

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

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

Instantaneous discharge is a discharge at a particular time.

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 stream above the specified point. Figures of drainage area given herein include all closed basins, or noncontributing areas, within the area unless otherwise noted.

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 computed.

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

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.

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.

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.

SPECIAL NETWORKS AND PROGRAMS

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 man-made 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.

International Hydrological Decade (IHD) River Stations provide a general index of runoff and materials in the water balance (discharge of water, and dissolved and transported solids) of the world. In the United States, IHD Stations provide indices of runoff and of the general distribution of water in the principal river basins of the conterminous United States and Alaska.

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 list of gaging stations in the front of this report, the rank of tributaries is indicated by indention. Each indention represents one rank.

As an added means of identification, each gaging station, partial-record station and miscellaneous sites have 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, miscellaneous sites, and continuous-record gaging stations. Gaps are left in the 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 01357500, includes the part number "01" and a 6-digit station number. In this report the records are listed in downstream order by parts. All records for a drainage basin encompassing more than one State could be arranged in downstream order by assembling pages from the various State reports by station number to include all records in the basin.

EXPLANATION OF SURFACE-WATER RECORDS

Collection and Computation of Data

Base data collected at gaging stations consists 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 on the measurement of stream discharge. (See also SELECTED REFERENCES.) 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 define the extremes of discharge, 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 1974 water year is shown on the reverse side of the front 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.

Data collected at partial-record stations and miscellaneous sites are given in three tables at the end of the daily record stations. The first is a table of discharge measurements at low flow partial-record stations, the second is a table of annual maximum stage and discharge at crest-stage stations, and the third is a table of discharge measurements at miscellaneous sites.

Accuracy of Data

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

The station description under "REMARKS" states the degree of accuracy of the records. "Excellent" means that about 95 percent of the daily discharges are within 5 percent; "good" within 10 percent; and "fair" within 15 percent. "Poor" means that daily discharges have less than "fair" accuracy.

Figures of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 cfs; to tenths between 1.0 and 10 cfs; to whole numbers between 10 and 1,000 cfs; and to 3 significant figures above 1,000 cfs. The number of significant figures used is based solely on the magnitude of the figure. The same rounding rules apply to discharge figures listed for partial-record stations and miscellaneous sites.

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

Publications

In each water-supply paper entitled, "Surface Water Supply of the United States" there is a list of numbers of preceding water-supply papers containing streamflow information for the area covered by that report. In addition, there is a list of numbers of water-supply papers containing detailed information on major floods in the area. Records for stations in New York for the period October 1960 to September 1965 are in Water-Supply Papers 1903, 1907, and 1912.

Two series of summary reports entitled, "Compilation of Records of Surface Waters of the United States" have been published; the first series covers the entire period of record through September 1950 and the second series covers the period October 1950 to September 1960. These reports contain summaries of monthly and annual discharge and monthend storage for all previously published records, as well as some records not contained in the annual series of water-supply papers. All records were reexamined and revised where warranted. Estimates of discharge were made to fill short gaps whenever practical. The yearly summary table for each gaging station lists the numbers of the water-

supply papers in which daily records were published for that station. Records for stations in New York are compiled in Water-Supply Papers 1302, 1305, and 1307 through September 1950, and in 1722, 1725, and 1727 for October 1950 to September 1960.

Special reports on major floods or droughts or of other hydrologic studies for the area have been issued in publications other than water-supply papers. Information relative to these reports may be obtained from the district office.

Other Data Available

Information of a more detailed nature than that published for most of the gaging stations, such as discharge measurements, gage-height records, and rating tables, is on file in the district office. Also most gaging-stations records are available in computer-useable form and many statistical analyses have been made.

Hydrologic Conditions During 1974

The yearly runoff, in general, ranged from slightly above to about 30 percent above average in the State. The runoff in the southeastern part of the state, exclusive of Long Island, was 30 percent above the long term average while the northeast was 20 percent above average. The rest of the State was at or slightly above the long term average.

The relatively mild winter reduced the effect of ice on stream-flow and the extended gradual warming trend in the spring spread out the snowmelt period thereby reducing the peaks associated with the spring runoff.

High water during the year occurred during the latter part of December in both the eastern and western part of the State, in late February in the western part, and early July in the north central part of the state including the western part of the Mohawk River basin and the northern part of the Genesee River Basin.

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 1974 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. They 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 June 30 in figure 1 for Susquehanna River at Conklin. A mean daily discharge of 848 ft³/sec or more has been experienced on 50% of the years during the reference period. Similarly, a discharge of 2,170 ft³/sec or more has been experienced on the same date in 20% of the years. The discharge for June 30, 1974, was 1,290 ft³/sec or about 1 1/3 times the discharge that could be expected on 50% of the June 30th's during the reference period.

Mean value of streamflow for the 1974 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 3,636 ft³/sec, which is very slightly higher than the 61 year average. For other gaging stations illustrated in the graphs the comparisons are as follows:

Allegheny River, 3,160 ft³/sec, 14% higher than the 71-year average.
West Branch Oswegatchie River, 591 ft³/sec, 18% higher than the 58-year average.
Wappinger Creek, 295 ft³/sec, 20% higher than the 46-year average.

SELECTED REFERENCES

- Carter, R. W., and Davidian, Jacob, 1968, General procedure for gaging streams: U.S. Geol. Survey Techniques Water-Resources Inv., book 3, chap. A6, 13 p.
- Corbett, D. M., and others, 1943, Stream-gaging procedure, a manual describing methods and practices of the Geological Survey: U.S. Geol. Survey Water-Supply Paper 888, 245 p.
- Langbein, W. B., and Iseri, K. T., 1960, General introduction and hydrologic definitions: U.S. Geol. Survey Water-Supply Paper 1541-A, 29 p.

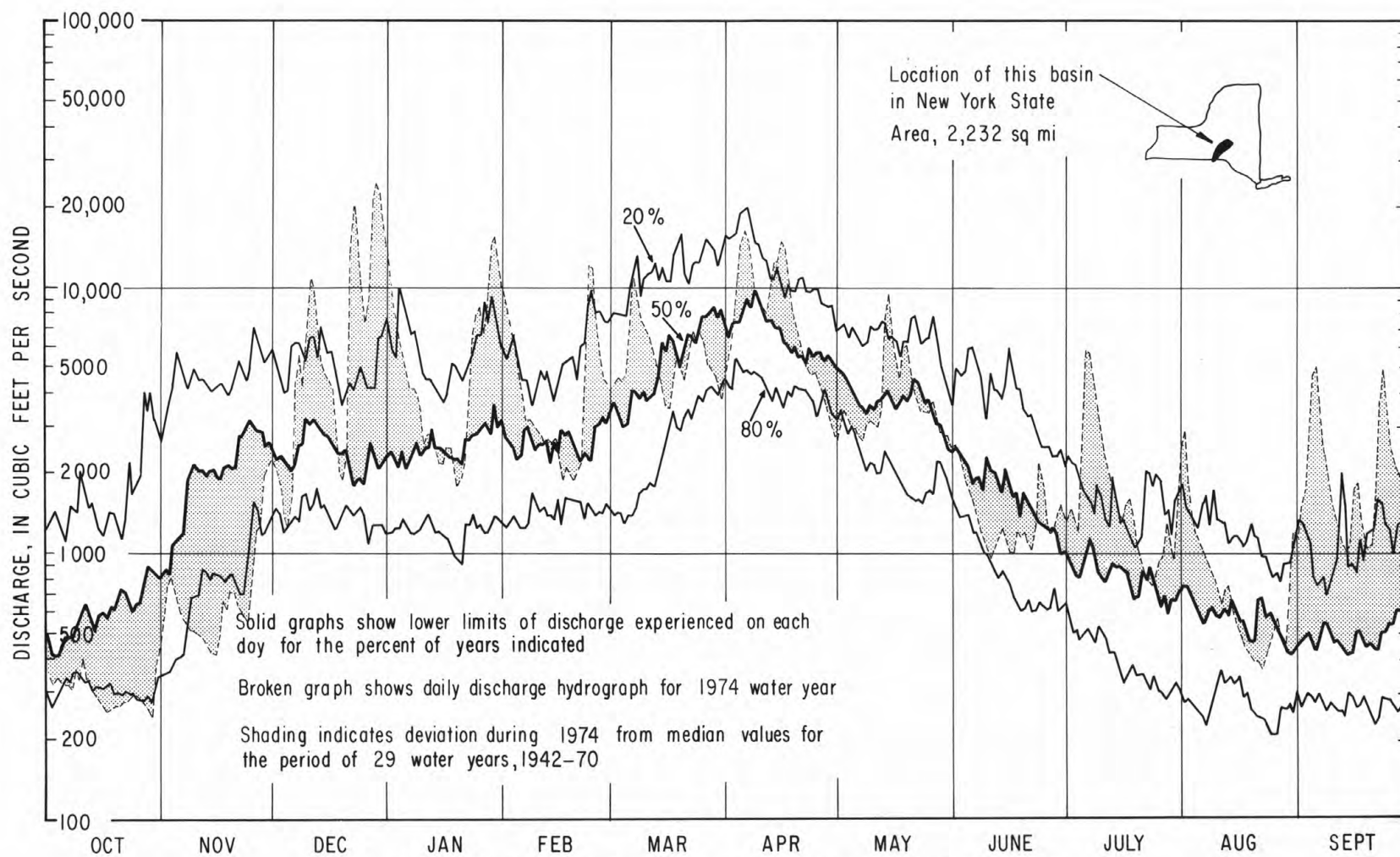


Figure 1 Hydrographic comparisons, Susquehanna River at Conklin, N.Y.

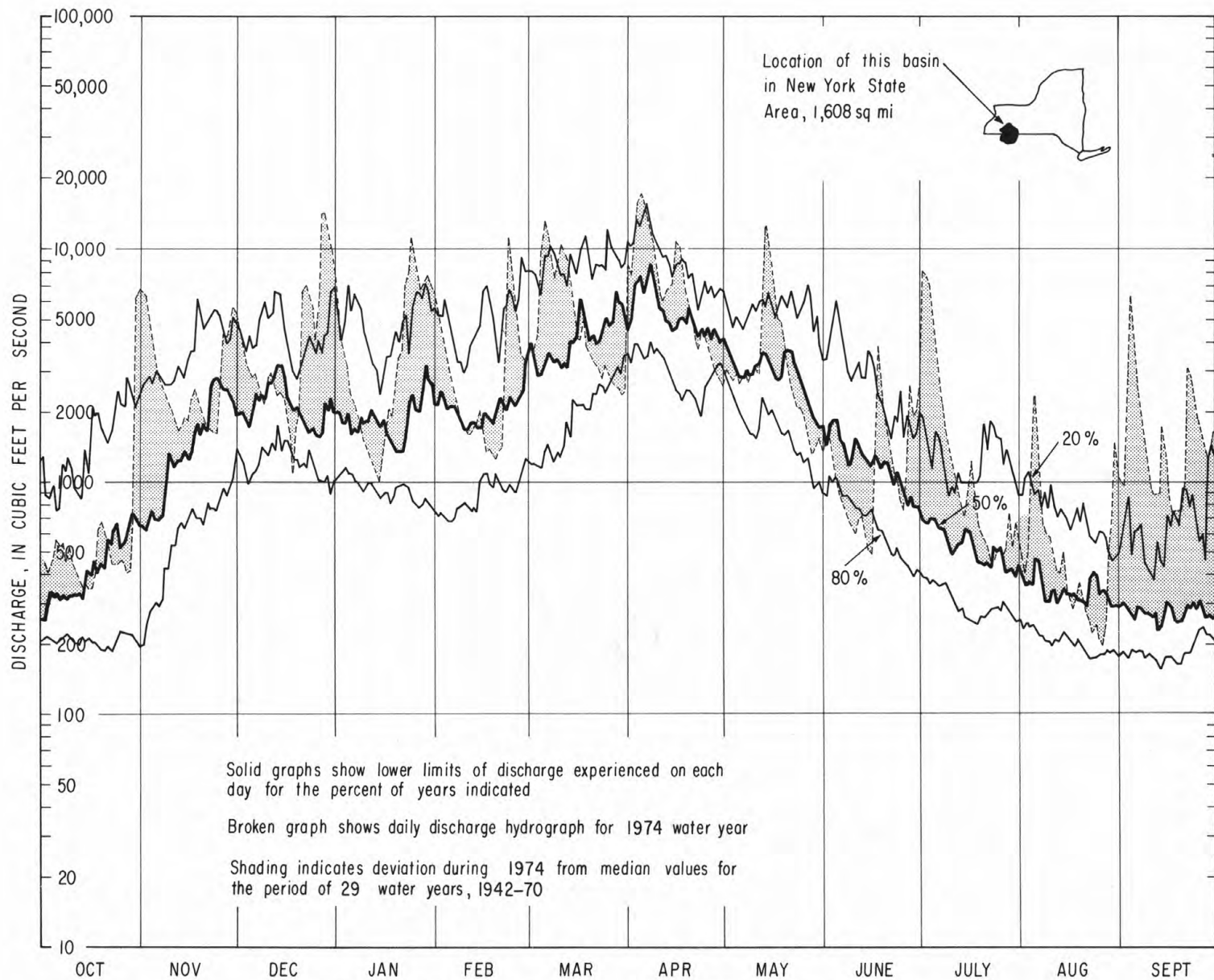


Figure 2 Hydrographic comparisons, Allegheny River at Salamanca, N.Y.

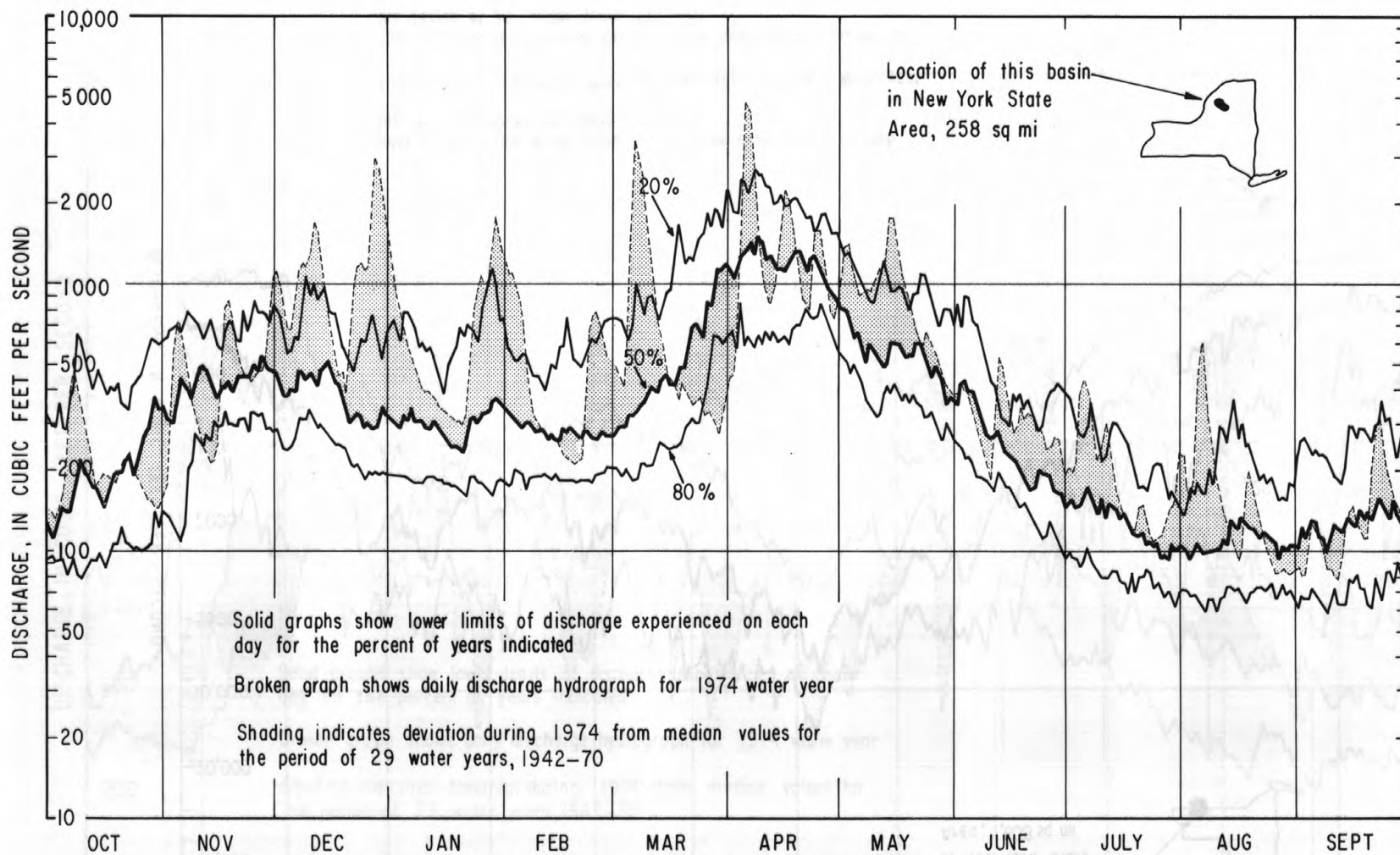


Figure 3 Hydrographic comparisons, West Branch Oswegatchie River near Harrisville, N. Y.

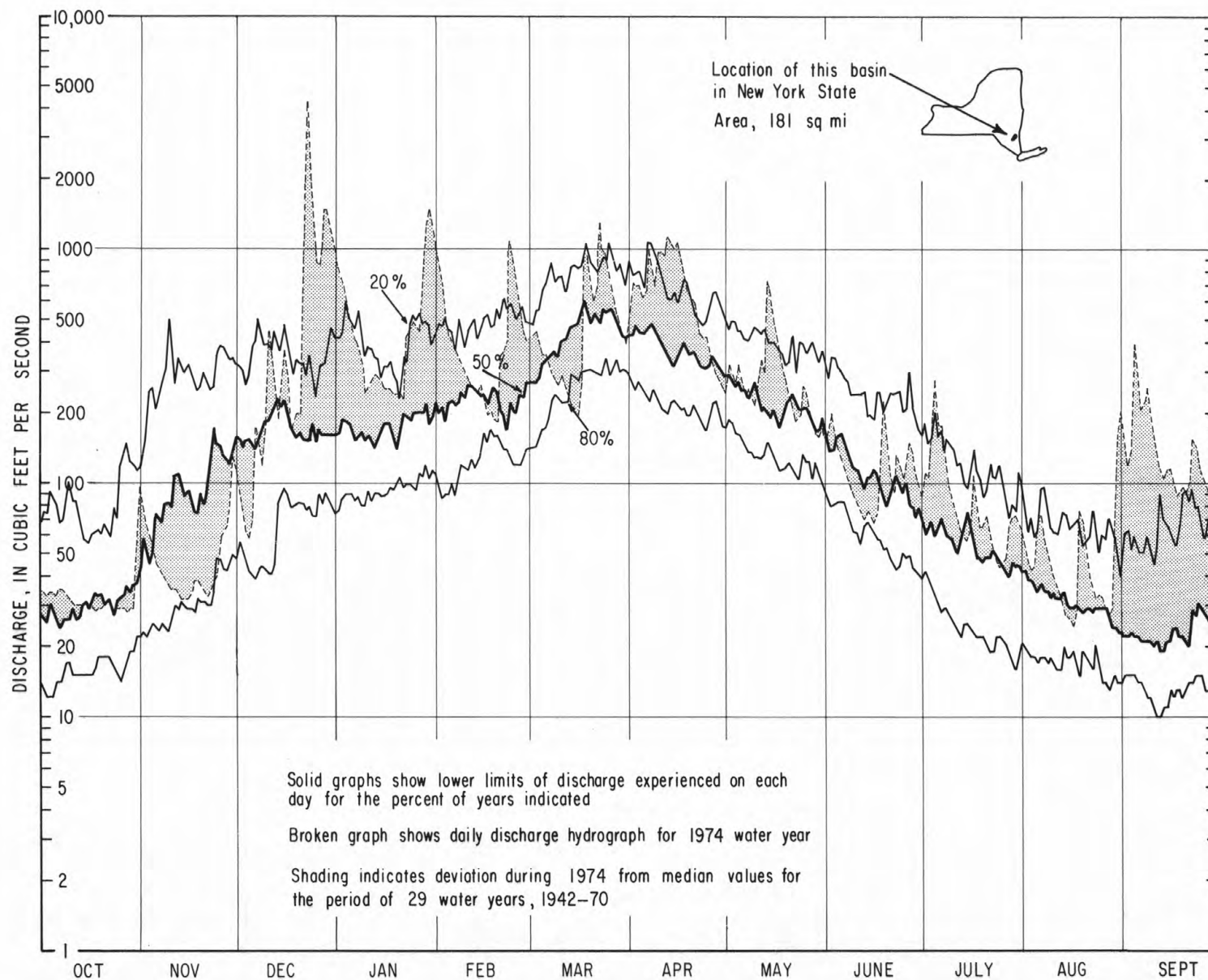


Figure 4 Hydrographic comparisons, Wappinger Creek near Wappingers Falls, N.Y.

Table 1.--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)
	.0254	metres (m)
feet (ft)	.3048	metres (m)
miles (mi)	1.609	kilometres (km)
<i>Area</i>		
acres	4047	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)	3785	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)	2447	cubic metres (m ³)
	2.447x10 ⁻³	cubic hectometres (hm ³)
acre-feet (acre-ft)	1233	cubic metres (m ³)
	1.233x10 ⁻³	cubic hectometres (hm ³)
	1.233.10 ⁻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.

SURFACE WATER RECORDS - 1974

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

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.--45 years, 295 ft³/s (8.354 m³/s), 19.74 in/yr (501 mm/yr).

EXTREMES.--Current year: Maximum discharge, 5,730 ft³/s (162 m³/s) Dec. 22, gage height, 8.46 ft (2.579 m); minimum, 33 ft³/s (0.93 m³/s) Aug. 17, gage height, 0.79 ft (0.241 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.

PEAK DISCHARGE.--(BASE, 1,400 ft³/s):

DATE	TIME	G.H.	DISCHARGE
12-22	0800	8.46	5,730
12-28	1100	5.54	2,300
01-29	1600	4.61	1,520

REMARKS.--Records excellent. Infrequent regulation at low flow. Records of water quality for the current year are published in Part 2 of the Water Resources Data for Connecticut, and in Part 2 of this report. See REVISIONS summary paragraph in WSP 1901.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54	120	101	977	854	444	651	382	247	102	62	76
2	54	100	86	866	725	468	626	338	262	98	57	64
3	53	91	76	716	601	421	617	338	217	159	54	93
4	52	78	72	667	586	425	613	382	203	198	54	305
5	54	72	89	588	534	425	718	315	175	134	54	209
6	54	65	262	564	495	403	951	286	152	203	56	145
7	53	61	195	525	494	375	745	312	135	139	55	141
8	53	58	152	464	460	348	660	286	124	109	52	147
9	52	56	253	383	421	338	972	259	119	92	49	114
10	52	54	555	420	376	371	978	331	114	80	46	93
11	50	53	383	460	382	345	886	382	100	72	44	83
12	49	52	310	468	339	321	913	410	100	66	41	74
13	49	51	255	350	340	280	845	945	105	62	39	69
14	51	51	361	320	365	256	814	691	93	62	37	69
15	49	50	397	300	309	256	978	568	86	74	35	77
16	48	52	313	365	267	302	902	486	89	107	34	68
17	47	58	214	350	279	824	769	425	117	89	38	60
18	49	57	261	266	252	664	664	371	114	73	48	63
19	50	54	317	351	258	564	639	331	95	72	51	80
20	51	52	342	356	474	534	630	292	83	74	41	68
21	51	50	2,890	363	450	682	557	262	81	69	38	69
22	51	52	5,050	504	484	1,180	511	242	126	63	35	100
23	50	56	2,650	618	950	860	493	262	121	61	36	97
24	50	57	1,630	648	700	779	479	315	112	58	41	78
25	50	75	1,040	600	597	682	436	283	105	60	42	69
26	50	94	1,040	557	507	601	403	259	112	60	38	64
27	50	88	2,000	860	445	557	365	236	107	65	35	62
28	50	102	2,150	1,370	427	508	341	214	100	73	36	65
29	60	148	1,830	1,460	-----	468	318	214	93	77	41	304
30	100	125	1,390	1,240	-----	450	296	230	86	76	64	406
31	130	-----	1,110	1,010	-----	560	-----	203	-----	70	92	-----
TOTAL	1,716	2,132	27,774	19,086	13,371	15,691	19,770	10,850	3,773	2,797	1,445	3,412
MEAN	55.4	71.1	896	616	478	506	659	350	126	90.2	46.6	114
MAX	130	148	5,050	1,460	950	1,180	978	945	262	203	92	406
MIN	47	50	72	266	252	256	296	203	81	58	34	60

WTR YR 1974 TOTAL 121,817 MEAN 334 MAX 5,050 MIN 34

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.--30 years (1944-74), 15.0 ft³/s (0.425 m³/s) (22.14 in/yr or 562.4 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,120 ft³/s (31.7 m³/s) Sept. 3 (gage height, 7.79 ft or 2.374 m); minimum, 0.69 ft³/s (0.020 m³/s) Aug. 14, 15, 16 (gage height, 0.92 ft or 0.280 m).

Period of record: Maximum discharge, 2,320 ft³/s (65.7 m³/s) June 19, 1972 (gage height, 12.44 ft (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 except those for winter periods, which are fair. 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).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.9	15	5.5	26	19	11	46	8.3	24	5.5	1.3	2.4
2	2.1	7.0	4.3	20	17	10	28	7.0	12	4.0	1.5	41
3	1.9	4.3	4.0	18	16	9.7	23	16	8.6	3.1	3.8	268
4	1.9	3.6	3.8	19	15	9.7	90	14	7.0	2.7	4.8	297
5	1.8	3.1	15	16	13	9.0	48	9.3	6.7	2.9	7.9	21
6	1.5	2.9	44	15	11	8.6	43	9.0	6.1	2.6	2.9	13
7	1.5	2.9	11	15	14	8.2	27	11	5.5	2.4	1.8	80
8	1.7	2.7	7.9	13	13	15	22	7.9	5.8	2.1	1.7	23
9	1.7	2.6	98	12	11	23	89	8.3	5.0	1.9	1.4	14
10	1.5	3.6	35	14	10	25	43	55	4.5	1.7	1.3	11
11	1.7	3.6	14	24	10	19	27	20	4.0	1.5	1.2	9.0
12	1.5	2.9	11	25	9.7	12	22	25	3.6	1.4	1.1	7.9
13	1.7	2.7	10	16	10	9.0	31	61	4.0	1.4	.98	7.3
14	1.4	4.0	40	14	13	9.0	29	18	3.6	1.4	.78	10
15	1.5	3.2	16	14	12	8.6	45	14	3.1	1.8	.69	7.3
16	1.5	2.6	12	14	9.7	23	23	11	4.5	2.6	.78	6.1
17	1.3	2.4	24	15	9.7	43	18	15	9.0	2.1	5.8	5.5
18	1.4	2.4	13	11	10	17	15	14	5.3	1.5	11	5.3
19	1.4	9.7	9.0	19	20	11	20	9.3	3.6	1.4	2.6	4.8
20	1.7	9.3	13	17	49	10	17	8.3	3.2	1.2	1.7	4.8
21	2.2	3.1	444	106	19	156	14	7.6	14	1.1	1.3	11
22	2.2	2.7	60	108	30	54	13	7.6	9.3	.98	1.2	13
23	1.8	2.6	28	58	30	27	15	7.6	8.3	1.2	6.7	5.5
24	1.5	4.0	21	47	17	23	12	15	7.9	2.7	4.5	4.5
25	1.4	10	17	31	16	19	10	22	4.8	4.3	2.2	4.3
26	1.5	10	46	25	15	17	9.3	9.3	4.3	2.6	2.2	4.5
27	1.5	6.1	76	46	13	15	8.6	7.6	4.0	1.8	2.4	4.3
28	1.4	28	32	32	11	14	11	7.3	4.0	1.4	2.9	35
29	12	14	24	40	-----	14	16	9.0	5.3	1.3	2.7	184
30	43	7.6	22	24	-----	23	8.6	9.7	4.8	1.4	9.0	25
31	15	-----	21	21	-----	95	-----	7.0	-----	1.5	4.0	-----
TOTAL	116.1	178.6	1,181.5	875	443.1	747.8	823.5	451.1	195.8	65.48	94.13	1,129.5
MEAN	3.75	5.95	38.1	28.2	15.8	24.1	27.5	14.6	6.53	2.11	3.04	37.7
MAX	43	28	444	108	49	156	90	61	24	5.5	11	297
MIN	1.3	2.4	3.8	11	9.7	8.2	8.6	7.0	3.1	.98	.69	2.4
CFSM	.41	.65	4.14	3.07	1.72	2.62	2.99	1.59	.71	.23	.33	4.10
IN.	.47	.72	4.78	3.54	1.79	3.02	3.33	1.82	.79	.26	.38	4.57

CAL YR 1973 TOTAL 7,247.60 MEAN 19.9 MAX 444 MIN 1.3 CFSM 2.16 IN 29.31
WTR YR 1974 TOTAL 6,301.61 MEAN 17.3 MAX 444 MIN .69 CFSM 1.88 IN 25.48

PEAK DISCHARGE (BASE, 406 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-21	1215	5.99	758	9-03	2400	7.79	1,120
3-21	1730	4.60	480	9-29	0130	5.11	582

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, non-recording gage at same site and datum.

AVERAGE DISCHARGE.--30 years (1944-74), 6.22 ft³/s (0.176 m³/s) (17.93 in/yr or 455.4 mm/yr).

EXTREMES.--Current year: Maximum discharge, 226 ft³/s (6.40 m³/s) Sept. 4 (gage height, 3.36 ft or 1.024 m); minimum, 0.26 ft³/s (0.007 m³/s) Nov. 13, 15-16 (gage height, 0.31 ft or 0.094 m).

Period of record: Maximum discharge, 226 ft³/s (6.40 m³/s) Sept. 4, 1974 (gage height, 3.36 ft or 1.024 m); no flow at times during 1944, 1953, 1959, 1964, 1965, 1966.

REMARKS.--Records fair. Flow affected by natural storage in swampy areas above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.58	8.9	2.1	11	13	6.0	26	4.0	5.3	3.3	.64	1.8
2	.58	3.5	1.8	8.2	13	6.0	16	3.5	2.7	1.8	.81	34
3	.51	1.8	1.6	9.0	11	5.7	12	8.4	2.1	1.4	3.1	57
4	.51	.82	1.4	9.6	10	5.7	46	6.4	1.4	1.3	2.9	169
5	.44	1.3	8.4	8.4	12	5.3	30	4.2	1.1	1.3	1.8	46
6	.44	1.3	19	7.2	5.7	4.7	23	4.2	1.0	1.3	.81	11
7	.31	1.3	6.1	6.8	6.4	4.7	19	4.5	1.3	1.1	.81	39
8	.37	.82	3.5	6.0	6.0	5.0	22	3.5	1.2	1.0	.72	22
9	.31	.65	34	5.7	5.3	11	51	4.5	1.3	1.0	.72	9.8
10	.31	.44	30	5.7	5.0	11	25	27	1.2	.92	.72	6.4
11	.26	.37	11	11	5.0	6.8	15	10	1.0	.92	.57	5.0
12	.31	.31	7.2	11	4.5	5.7	12	11	1.5	1.0	.43	4.5
13	1.1	.31	6.4	7.6	4.7	5.3	15	17	1.2	.81	.43	4.8
14	3.1	.44	14	6.4	5.0	5.7	15	7.6	.88	.72	.37	5.6
15	4.0	.51	8.9	6.4	5.0	4.5	30	6.0	1.0	1.0	.31	4.6
16	.51	.65	6.8	6.8	4.2	14	14	5.0	3.5	1.0	.31	3.8
17	.44	.92	18	6.4	4.2	21	10	10	2.0	.72	4.2	3.4
18	.44	1.1	12	5.3	4.2	11	9.2	8.0	1.2	.57	1.8	3.1
19	.65	1.0	7.6	8.4	8.0	9.2	10	4.5	.80	.81	.92	2.9
20	.72	1.0	11	7.2	15	8.4	9.6	3.7	.90	.50	.72	3.4
21	.82	.92	103	30	8.0	47	8.0	3.5	20	.43	.50	5.6
22	.58	1.3	66	47	11	44	7.6	3.3	11	.43	.37	4.5
23	.31	1.0	23	28	12	16	8.4	3.1	7.6	.37	9.6	3.4
24	.51	2.3	14	23	8.0	12	6.8	5.7	4.7	2.1	2.7	2.5
25	.44	4.8	10	17	7.6	9.6	5.7	5.7	2.9	1.8	1.6	2.4
26	.44	3.5	21	14	7.2	8.8	5.3	3.1	2.5	.64	2.7	2.4
27	.44	2.7	35	23	6.0	8.0	5.3	2.5	2.3	.72	1.8	6.0
28	.44	13	18	21	6.0	7.2	4.7	2.3	2.3	.72	1.9	20
29	9.3	5.1	13	25	-----	6.8	4.5	2.3	2.7	.64	2.1	70
30	28	2.7	12	18	-----	14	4.2	2.1	2.3	.57	5.3	13
31	7.2	-----	10	15	-----	46	-----	1.6	-----	.57	2.3	-----
TOTAL	64.37	64.76	535.8	415.1	213.0	376.1	470.3	188.2	90.88	31.46	53.96	566.9
MEAN	2.08	2.16	17.3	13.4	7.61	12.1	15.7	6.07	3.03	1.01	1.74	18.9
MAX	28	13	103	47	15	47	51	27	20	3.3	9.6	169
MIN	.26	.31	1.4	5.3	4.2	4.5	4.2	1.6	.80	.37	.31	1.8
CFSM	.44	.46	3.67	2.85	1.62	2.57	3.33	1.29	.64	.21	.37	4.01
IN.	.51	.51	4.23	3.28	1.68	2.97	3.71	1.49	.72	.25	.43	4.48

CAL YR 1973 TOTAL 3,149.62 MEAN 8.63 MAX 132 MIN .26 CFSM 1.83 IN 24.88
WTR YR 1974 TOTAL 3,070.83 MEAN 8.41 MAX 169 MIN .26 CFSM 1.79 IN 24.25

PEAK DISCHARGE (BASE, 86 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-21	1145	2.25	126	9-04	0700	3.36	226
3-21	1500	1.85	93	9-29	-	-	about 90

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.--28 years (1944-52, 1954-74), 32.1 ft³/s (0.909 m³/s) (unadjusted).

EXTREMES.--Current year: Maximum discharge, 3,350 ft³/s (94.9 m³/s) Sept. 3 (gage height, 7.98 ft or 2.432 m) from rating curve extended as explained below; minimum, 0.32 ft³/s (0.009 m³/s) July 13-15, 20 (gage height, 0.15 ft or 0.046 m).

Period of record: Maximum discharge 4,740 ft³/s (134 m³/s) June 19, 1972 (gage height 9.71 ft or 2.960 m) from rating curve extended above 2,000 ft³/s (56.6 m³/s) on basis of indirect measurement of peak flow; 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 11.9 ft (3.63 m) (present datum) Sept. 21, 1938 (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 Mamaroneck and Sheldrake Rivers furnished by Village of Larchmont and Westchester Joint Water Works.

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

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	30	9.0	66	49	33	119	29	31	30	3.8	5.7
2	1.2	13	8.5	51	46	31	80	28	24	13	4.9	153
3	1.0	9.6	8.0	46	43	31	63	34	22	1.7	16	604
4	9.6	7.0	7.5	51	38	31	223	32	21	1.2	19	874
5	16	6.6	38	43	33	30	133	28	20	1.0	19	68
6	1.5	6.6	92	38	30	27	113	29	19	1.0	5.3	46
7	1.0	5.7	21	36	35	26	75	30	19	.84	5.3	187
8	1.2	6.1	16	34	32	27	65	28	19	.84	5.3	63
9	1.7	6.1	206	32	30	59	226	33	19	.84	4.5	48
10	1.7	5.7	74	34	27	68	119	109	13	.54	4.9	43
11	1.9	5.3	38	63	26	34	80	53	2.5	.54	3.1	40
12	1.9	5.7	28	60	24	30	66	74	3.4	.42	2.8	38
13	1.5	6.6	25	40	25	28	91	127	2.8	.42	3.1	27
14	3.1	6.6	113	33	31	24	80	51	1.9	.32	2.8	15
15	1.7	6.1	45	33	28	22	138	40	1.9	.68	2.5	12
16	4.2	6.1	34	35	24	63	72	34	3.8	1.0	2.2	13
17	3.8	5.3	44	38	24	100	59	48	19	.68	36	20
18	4.2	4.5	28	29	24	44	52	43	28	.68	23	18
19	4.5	4.9	23	46	49	35	65	31	26	.84	4.5	11
20	4.2	4.9	32	41	98	32	56	30	25	.54	3.4	14
21	4.2	4.9	1,070	244	45	342	52	30	55	.84	3.1	25
22	3.8	5.7	214	236	68	156	51	29	11	1.2	2.8	24
23	4.5	5.3	101	140	65	80	53	28	15	2.5	38	20
24	4.5	7.5	71	115	40	65	49	36	21	8.0	9.0	19
25	4.5	24	56	85	39	52	46	36	13	19	4.9	19
26	4.5	19	147	72	38	48	24	29	11	5.3	12	19
27	4.2	13	187	115	32	43	11	28	10	4.5	9.6	12
28	3.1	63	92	84	31	39	10	27	20	3.8	6.6	46
29	40	24	69	100	-----	39	21	26	31	4.5	15	336
30	131	12	62	66	-----	72	29	21	29	9.6	28	59
31	28	-----	58	58	-----	254	-----	20	-----	5.3	9.6	-----
TOTAL	299.7	330.8	3,017.0	2,164	1,074	1,965	2,321	1,221	537.3	121.62	310.0	2,878.7
MEAN	9.67	11.0	97.3	69.8	38.4	63.4	77.4	39.4	17.9	3.92	10.0	96.0
MAX	131	63	1,070	244	98	342	226	127	55	30	38	874
MIN	1.0	4.5	7.5	29	24	22	10	20	1.9	.32	2.2	5.7
†	2.19	1.45	1.45	1.50	0.53	0.39	0.31	1.58	1.52	1.61	1.62	1.37

CAL YR 1973 TOTAL 16,648.22 MEAN 45.6 MAX 1,070 MIN .54 † 6.30

WTR YR 1974 TOTAL 16,240.12 MEAN 44.5 MAX 1,070 MIN .32 † 1.31

† Indicated net diversion, in cubic feet per second, from Mamaroneck and Sheldrake Rivers 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.--30 years (1944-74), 6.65 ft³/s (0.188 m³/s).

EXTREMES.--Current year: Maximum discharge, 405 ft³/s (11.5 m³/s) Sept. 3 (gage height, 4.99 ft or 1.521 m) from rating curve extended above 180 ft³/s (5.10 m³/s); minimum, 0.17 ft³/s (0.005 m³/s) Aug. 14 (gage height, 2.11 ft or 0.643 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. Flow controlled by Pelham Lake and three reservoirs above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.86	13	4.9	10	8.7	3.1	22	4.9	9.6	4.5	.44	4.6
2	.86	7.6	2.9	10	8.7	4.6	15	4.9	6.6	2.8	.86	43
3	.86	5.2	2.0	8.7	8.3	6.3	11	9.1	5.6	2.6	2.0	110
4	.74	3.7	1.6	10	7.6	6.6	33	5.6	4.0	2.2	4.0	202
5	.86	2.6	11	8.7	6.3	5.6	28	5.9	3.1	2.0	1.6	29
6	.74	1.7	20	7.3	6.3	8.3	20	5.6	2.4	1.9	1.6	13
7	.86	1.4	11	6.6	6.3	8.0	13	5.6	2.0	1.6	1.7	35
8	.86	1.3	6.9	5.9	5.6	10	10	4.6	2.0	1.4	1.4	20
9	.74	1.3	45	5.9	5.6	11	34	5.9	2.0	1.2	1.2	10
10	.64	.96	34	6.9	5.6	11	24	27	1.9	1.1	1.1	7.6
11	.46	.86	15	13	4.9	7.6	15	16	1.9	.96	.77	6.3
12	.54	.96	8.7	11	4.6	4.9	11	17	3.1	.68	.59	4.9
13	.46	1.1	7.6	8.3	5.2	4.0	15	19	3.1	.59	.51	4.0
14	.54	1.4	20	6.6	5.6	4.9	15	13	2.0	.59	.44	4.3
15	.39	1.2	13	5.9	4.3	4.3	32	8.3	1.9	.59	.51	2.9
16	.46	1.2	9.1	6.6	4.0	12	16	7.3	4.3	.51	.44	2.9
17	.46	.68	9.1	6.3	4.3	12	11	6.3	6.6	.44	12	2.6
18	.54	1.6	7.3	5.6	3.7	8.7	8.7	6.9	3.7	.51	2.9	2.4
19	.64	1.3	5.9	9.1	8.0	5.6	12	8.0	3.4	.77	2.6	1.9
20	.74	.96	7.6	8.0	10	4.0	10	6.3	2.9	.44	3.1	1.7
21	.54	1.2	147	40	7.6	45	8.3	5.2	20	.44	2.4	3.1
22	.64	1.7	63	45	10	38	7.6	4.3	6.4	.30	1.6	3.4
23	.74	1.3	19	25	8.0	17	9.1	3.7	7.0	.23	17	4.3
24	.54	2.9	12	18	5.9	11	8.3	8.3	4.5	1.9	2.4	4.3
25	.32	8.7	8.3	13	4.9	8.3	7.3	8.0	3.0	1.7	3.7	3.7
26	.64	5.6	24	10	3.7	6.9	6.6	6.9	2.5	.59	2.9	3.4
27	.86	7.6	31	16	2.9	6.3	6.3	4.9	2.8	.51	2.6	2.9
28	1.0	20	18	15	2.9	5.6	5.6	4.0	2.5	.59	4.9	22
29	16	12	12	15	-----	5.9	5.2	3.7	4.0	.77	4.3	74
30	32	8.0	9.6	11	-----	17	5.2	2.9	3.0	.86	10	25
31	18	-----	8.7	9.1	-----	39	-----	2.9	-----	.51	6.6	-----
TOTAL	84.53	119.02	595.2	377.5	169.5	342.5	425.2	242.0	127.8	35.78	98.16	654.2
MEAN	2.73	3.97	19.2	12.2	6.05	11.0	14.2	7.81	4.26	1.15	3.17	21.8
MAX	32	20	147	45	10	45	34	27	20	4.5	17	202
MIN	.32	.68	1.6	5.6	2.9	3.1	5.2	2.9	1.9	.23	.44	1.7

CAL YR 1973 TOTAL 3,366.75 MEAN 9.22 MAX 147 MIN .32
WTR YR 1974 TOTAL 3,271.39 MEAN 8.96 MAX 202 MIN .23

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.--30 years (1944-74) 39.8 ft³/s (1.127 m³/s) (20.40 in/yr or 518.2 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,430 ft³/s (40.5 m³/s) Sept. 3 (gage height, 6.81 ft or 2.076 m), from rating curve extended as explained below; minimum, 5.2 ft³/s (0.15 m³/s) July 27 (gage height, 0.31 ft or 0.094 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.1	42	13	65	58	38	84	37	63	28	7.3	10
2	9.5	19	12	50	55	36	69	35	31	15	10	186
3	10	14	11	50	54	35	61	63	24	13	34	390
4	9.5	12	11	56	50	35	179	42	22	12	47	359
5	9.1	11	58	48	46	34	117	35	21	12	42	49
6	8.3	11	94	45	43	32	96	37	19	14	11	36
7	8.3	10	23	43	50	31	71	46	18	11	9.5	161
8	8.3	10	17	39	46	34	66	32	19	11	8.6	48
9	8.3	9.5	227	38	43	72	201	37	19	10	7.8	33
10	8.0	9.1	72	40	40	60	100	137	19	10	9.8	28
11	7.6	9.1	35	65	39	33	77	47	16	9.4	7.8	24
12	7.6	9.5	27	54	38	31	70	88	20	9.1	6.9	23
13	7.6	9.5	31	40	40	28	98	115	24	9.1	6.6	21
14	7.2	10	144	36	43	28	80	52	15	9.1	6.5	43
15	7.2	11	43	37	38	29	130	42	14	10	6.2	21
16	6.9	14	33	40	34	74	70	39	27	12	6.5	18
17	6.9	17	36	41	34	86	63	56	33	7.9	61	17
18	7.6	18	27	33	34	40	59	42	18	7.8	34	17
19	9.1	20	24	53	66	35	80	31	14	12	9.5	15
20	8.3	20	38	45	101	35	63	28	13	8.7	7.5	15
21	6.9	20	862	219	45	270	55	28	99	7.1	6.8	48
22	7.6	22	169	152	64	105	54	28	39	7.1	6.5	35
23	7.6	21	94	99	58	63	62	28	43	7.2	76	15
24	8.7	28	74	90	40	57	51	64	29	21	18	14
25	8.7	49	64	80	42	50	47	54	19	31	8.8	13
26	7.9	34	152	69	40	48	45	28	16	10	16	15
27	7.2	23	143	107	35	46	43	25	17	9.0	12	14
28	7.2	83	83	83	35	44	41	24	16	8.6	20	118
29	79	33	66	101	-----	47	41	30	26	10	20	260
30	198	16	63	68	-----	87	40	29	17	22	57	42
31	42	-----	61	64	-----	181	-----	23	-----	8.5	20	-----
TOTAL	545.2	614.7	2,807	2,050	1,311	1,824	2,313	1,402	770	372.6	600.6	2,088
MEAN	17.6	20.5	90.5	66.1	46.8	58.8	77.1	45.2	25.7	12.0	19.4	69.6
MAX	198	83	862	219	101	270	201	137	99	31	76	390
MIN	6.9	9.1	11	33	34	28	40	23	13	7.1	6.2	10
CFSM	.66	.77	3.42	2.49	1.77	2.22	2.91	1.71	.97	.45	.73	2.63
IN.	.77	.86	3.94	2.88	1.84	2.56	3.25	1.97	1.08	.52	.84	2.93

CAL YR 1973 TOTAL 19,563.0 MEAN 53.6 MAX 862 MIN 6.9 CFSM 2.02 IN 27.46
WTR YR 1974 TOTAL 16,698.1 MEAN 45.7 MAX 862 MIN 6.2 CFSM 1.72 IN 23.44

PEAK DISCHARGE (BASE, 525 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1030	0015	3.61	618	3-21	1530	4.28	785
12-09	1445	3.53	598	9-03	2000	6.81	1,430
12-21	1145	6.38	1,310	9-28	2215	4.48	835
1-21	1815	3.77	658				

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.—36 years, 6.80 ft³/s (0.193 m³/s).

EXTREMES.—Current year: Maximum discharge, 716 ft³/s (20.3 m³/s) June 21 (gage height, 4.80 ft or 1.463 m); minimum, 3.7 ft³/s (0.10 m³/s) many days; minimum gage height, 0.63 ft (0.192 m) many days.

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. Water quality records for the current year are published in Part 2 of this report.

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

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.0	6.4	4.1	7.6	4.6	5.1	7.2	4.4	10	4.9	4.0	6.1
2	4.1	4.7	4.3	5.3	4.6	4.7	6.8	4.4	6.9	4.1	8.1	50
3	4.1	4.6	4.4	5.6	5.1	4.4	5.7	8.8	4.8	4.0	4.8	26
4	4.1	4.6	4.2	6.9	4.9	4.5	16	4.6	4.6	3.9	4.8	19
5	4.0	4.0	20	5.3	4.3	4.4	7.8	4.5	4.4	24	13	8.1
6	4.0	4.3	11	5.0	4.3	4.4	6.6	5.2	4.3	6.9	5.0	12
7	4.0	4.3	5.2	4.9	5.3	4.5	5.7	4.7	4.4	4.8	7.4	40
8	4.0	3.8	4.4	4.5	4.4	7.9	5.7	4.5	4.5	4.5	4.8	9.4
9	4.0	3.8	40	4.5	4.5	9.5	25	8.0	4.6	4.6	5.0	5.7
10	4.0	4.3	9.7	4.7	4.3	5.6	11	21	4.8	4.4	4.4	4.6
11	4.0	4.6	5.2	12	4.4	4.6	11	5.5	4.5	4.1	4.0	4.3
12	4.0	4.0	4.5	6.4	4.3	4.6	7.4	12	4.2	4.1	4.3	4.3
13	4.0	4.0	7.5	5.2	5.0	4.5	12	5.9	4.4	4.1	4.3	4.8
14	3.9	4.0	15	4.7	4.6	4.4	8.6	5.1	4.4	4.0	4.4	6.0
15	4.1	4.1	6.1	4.9	4.4	4.4	9.2	5.1	4.4	4.1	4.3	3.8
16	4.0	4.2	7.0	5.6	4.3	20	6.2	4.8	4.5	4.1	4.3	4.0
17	4.0	4.3	30	5.1	4.4	7.6	5.9	7.7	5.7	4.2	10	3.8
18	3.9	4.3	7.2	4.5	4.2	5.3	5.8	4.6	5.1	4.5	4.3	3.8
19	4.0	4.1	5.0	7.3	15	5.0	7.7	4.6	5.3	4.1	4.4	3.8
20	4.0	4.0	7.8	4.6	8.6	4.8	5.7	4.6	5.1	3.8	4.4	3.7
21	3.8	4.2	68	29	5.0	63	5.8	4.6	38	3.8	4.6	9.9
22	3.9	4.3	10	14	8.9	16	5.8	4.5	6.9	3.8	4.6	4.1
23	4.0	3.9	6.8	8.7	5.2	9.2	5.9	5.5	12	3.8	11	4.1
24	4.0	6.2	5.5	6.5	4.6	6.6	5.4	13	6.6	6.9	5.7	4.4
25	4.0	6.8	4.8	5.4	5.5	5.5	5.0	5.1	5.9	4.1	4.6	4.6
26	4.0	4.3	23	5.0	4.7	5.3	4.7	4.6	5.5	4.0	4.8	4.4
27	4.1	5.5	14	8.1	4.6	5.1	4.5	4.5	4.9	3.9	5.3	4.3
28	3.9	14	8.1	8.0	4.6	5.1	4.4	4.4	4.6	3.8	6.5	11
29	22	5.1	5.9	6.0	-----	5.3	4.4	4.7	4.4	3.9	5.1	8.1
30	9.6	4.3	6.2	6.0	-----	18	4.5	4.4	5.6	4.0	31	4.1
31	5.5	-----	6.3	5.4	-----	16	-----	4.3	-----	3.9	11	-----
TOTAL	149.0	145.0	361.2	216.7	148.6	275.3	227.4	189.6	195.3	153.1	204.2	282.2
MEAN	4.81	4.83	11.7	6.99	5.31	8.88	7.58	6.12	6.51	4.94	6.59	9.41
MAX	22	14	68	29	15	63	25	21	38	24	31	50
MIN	3.8	3.8	4.1	4.5	4.2	4.4	4.4	4.3	4.2	3.8	4.0	3.7

CAL YR 1973 TOTAL 2,781.3 MEAN 7.62 MAX 89 MIN 3.4
WTR YR 1974 TOTAL 2,547.6 MEAN 6.98 MAX 68 MIN 3.7

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.--37 years, 9.03 ft³/s (0.256 m³/s).

EXTREMES.--Current year: Maximum discharge, 52 ft³/s (1.47 m³/s) Dec. 21 (gage height, 0.96 ft or 0.293 m); minimum discharge 6.6 ft³/s (0.19 m³/s) July 12, 17, 22, 23, Aug. 16 (gage height, 0.26 ft or 0.079 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. Water-quality records for the current year are published in Part 2 of this report.

REVISIONS.--WSP 1141: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.4	12	10	10	9.1	9.2	14	8.8	11	10	7.4	9.2
2	8.4	10	9.6	9.6	9.2	9.2	11	8.4	11	8.8	7.4	28
3	8.4	9.6	10	9.4	9.6	9.2	11	9.6	10	8.4	8.8	17
4	8.4	9.2	10	10	9.9	9.4	13	12	9.6	8.0	8.0	26
5	8.4	9.2	10	9.6	9.3	9.1	13	10	8.8	11	9.6	14
6	8.4	9.2	17	9.4	9.0	8.9	11	9.2	8.4	14	8.8	11
7	8.4	9.2	12	9.4	9.9	8.8	10	9.6	8.0	10	9.2	24
8	8.8	9.6	11	9.4	10	9.1	9.2	9.2	8.8	8.8	9.2	15
9	8.8	9.2	30	9.6	10	12	14	8.8	8.8	8.4	8.4	11
10	8.8	9.2	22	9.6	9.6	12	15	13	8.8	7.7	7.7	9.6
11	8.8	9.6	12	10	9.3	10	12	17	8.4	7.0	7.4	9.2
12	8.8	9.6	11	11	9.2	9.4	10	12	8.0	7.0	7.0	8.8
13	8.8	9.6	10	9.6	9.3	8.9	11	13	8.0	7.0	7.7	8.8
14	8.8	9.6	14	9.4	9.6	8.8	13	10	8.0	7.0	7.4	8.4
15	8.8	10	12	9.4	9.4	8.8	13	10	8.0	7.0	7.0	8.4
16	8.8	10	11	9.5	9.3	11	11	9.2	8.0	7.0	7.0	8.4
17	8.8	9.6	21	9.6	9.6	16	9.6	9.6	9.2	7.0	7.7	8.4
18	9.2	9.6	20	9.2	9.3	11	9.2	10	9.2	7.0	9.2	8.0
19	9.2	10	15	10	11	9.3	9.6	9.2	8.8	7.4	8.0	8.0
20	9.2	9.6	15	10	16	8.5	10	8.8	8.8	7.4	7.4	8.0
21	9.2	9.6	39	14	12	23	9.6	8.8	17	7.4	7.0	8.8
22	9.2	10	27	17	12	21	9.2	8.8	21	7.0	7.0	10
23	9.2	10	13	13	11	13	9.6	9.2	13	7.0	9.2	8.4
24	9.2	10	10	12	9.4	10	9.2	10	11	7.7	8.8	7.7
25	9.2	11	9.5	11	9.5	9.0	8.8	12	9.6	8.8	7.7	8.4
26	9.6	11	10	10	9.6	8.8	9.2	10	9.2	8.0	7.4	8.8
27	9.6	11	18	12	9.3	8.5	9.2	9.2	8.8	7.7	7.7	8.4
28	9.2	13	11	11	9.1	8.5	8.8	9.2	8.8	7.7	7.7	8.8
29	12	12	9.9	11	-----	9.2	8.8	9.2	9.2	8.0	8.0	16
30	22	10	9.8	10	-----	13	8.8	9.6	8.8	7.7	13	11
31	14	-----	9.8	9.7	-----	18	-----	9.2	-----	7.7	12	-----
TOTAL	296.8	301.2	449.6	324.4	279.5	340.6	320.8	312.6	294.0	250.6	255.8	345.5
MEAN	9.57	10.0	14.5	10.5	9.98	11.0	10.7	10.1	9.80	8.08	8.25	11.5
MAX	22	13	39	17	16	23	15	17	21	14	13	28
MIN	8.4	9.2	9.5	9.2	9.0	8.5	8.8	8.4	8.0	7.0	7.0	7.7
CAL YR 1973	TOTAL 3,965.4		MEAN 10.9		MAX 42		MIN 7.7					
WTR YR 1974	TOTAL 3,771.4		MEAN 10.3		MAX 39		MIN 7.0					

PEAK DISCHARGE (BASE, 32 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-9	UNKNOWN	0.94	50	6-21	1830	0.78	36
12-21	1300	.96	52	9-2	0400	.83	40
3-21	1630	.84	41	9-4	0130	.76	34

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.--24 years, 2.38 ft³/s (0.0674 m³/s) (unadjusted).

EXTREMES.--Current year: Maximum discharge, 16 ft³/s (0.45 m³/s) Mar. 21 (gage height, 0.60 ft (0.183 m)); maximum gage height, 1.19 ft (0.363 m) Dec. 9, Jan. 9 (backwater from high tide); minimum discharge, 2.3 ft³/s (0.065 m³/s) Aug. 4, Sept. 25 (gage height, 0.24 ft (0.073 m), result of regulation).

Period of record: Maximum discharge, 108 ft³/s (3.06 m³/s) Sept. 11, 1954 (gage height, 1.33 ft (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 (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 Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.0	4.6	5.1	4.4	3.7	3.4	5.3	3.4	3.7	3.7	3.2	3.9
2	3.0	4.0	5.0	4.1	3.7	3.4	4.4	3.4	3.9	3.7	3.0	5.9
3	3.0	3.5	5.0	4.0	3.7	3.4	3.9	3.7	3.9	3.4	3.0	5.6
4	3.0	3.3	4.8	4.4	3.7	3.4	4.2	3.7	3.7	3.2	2.7	5.0
5	2.7	3.2	5.2	4.2	3.4	3.7	4.4	3.4	3.4	3.2	2.7	4.2
6	3.0	3.2	5.9	3.9	3.4	3.7	4.4	3.4	3.2	3.4	2.5	3.2
7	3.0	3.2	5.4	3.9	3.4	3.7	3.9	3.4	3.2	3.4	3.0	4.4
8	3.0	3.2	5.0	3.9	3.2	3.4	3.9	3.4	3.2	3.4	3.2	4.7
9	3.0	3.2	5.9	4.2	3.4	3.7	5.0	3.4	3.2	3.4	3.4	3.7
10	3.0	3.2	6.1	4.2	5.3	3.9	5.0	3.9	3.2	3.4	3.4	3.2
11	3.0	3.2	4.7	4.4	3.4	3.4	4.4	4.2	3.2	3.4	3.2	3.2
12	2.7	3.4	4.1	4.4	3.2	3.4	3.9	3.9	3.2	3.4	3.2	3.0
13	2.7	3.6	3.9	4.0	3.2	3.2	3.9	3.9	3.2	3.4	3.2	3.0
14	2.7	3.7	4.4	3.9	3.2	3.2	4.2	3.7	3.2	3.4	3.0	3.2
15	3.8	3.8	4.1	3.9	3.2	3.2	4.2	3.4	3.2	3.9	3.2	3.0
16	3.4	3.8	4.0	3.9	3.2	3.7	4.4	3.4	3.2	3.9	3.2	3.0
17	3.2	3.7	5.8	3.9	3.4	4.7	4.2	3.2	3.2	3.7	2.7	3.0
18	3.2	3.7	5.3	3.9	3.4	4.2	3.9	3.4	3.0	3.4	2.7	3.0
19	3.2	3.6	4.3	3.9	3.7	3.4	3.9	3.4	3.0	3.0	3.0	3.2
20	3.3	3.7	4.0	3.4	4.4	3.4	3.9	3.4	3.0	3.0	3.0	3.0
21	3.3	3.7	7.6	4.4	3.9	8.0	3.7	3.4	3.7	3.2	3.2	3.0
22	3.2	3.8	6.4	5.6	3.7	8.8	3.7	3.4	4.4	3.0	3.4	4.2
23	3.2	3.7	4.7	5.0	3.4	5.0	3.7	3.4	4.4	3.2	3.7	4.4
24	3.2	3.8	4.1	4.4	3.4	4.2	3.7	3.7	4.2	3.2	3.9	2.7
25	3.2	4.0	3.9	4.2	3.4	3.7	3.7	3.9	3.9	3.4	3.9	2.5
26	3.2	4.1	4.3	3.9	3.7	3.7	3.7	3.9	3.9	3.4	3.9	2.5
27	3.4	3.9	5.7	4.2	3.7	3.4	3.7	3.7	3.7	3.4	3.4	2.7
28	3.5	5.3	4.9	4.2	3.4	3.4	3.7	3.7	3.7	3.4	3.0	2.7
29	3.7	6.0	4.3	4.2	-----	3.7	3.4	3.4	3.7	3.2	3.0	4.4
30	5.2	5.4	4.2	3.9	-----	4.7	3.4	3.4	3.4	3.2	3.4	3.9
31	5.3	-----	4.2	3.7	-----	5.9	-----	3.4	-----	3.2	3.9	-----
TOTAL	101.3	114.5	152.3	128.5	99.8	126.0	121.7	110.3	105.0	104.5	99.2	107.4
MEAN	3.27	3.82	4.91	4.15	3.56	4.06	4.06	3.56	3.50	3.37	3.20	3.58
MAX	5.3	6.0	7.6	5.6	5.3	8.8	5.3	4.2	4.4	3.9	3.9	5.9
MIN	2.7	3.2	3.9	3.4	3.2	3.2	3.4	3.2	3.0	3.0	2.5	2.5
†	1.45	1.53	1.00	.88	1.42	1.30	1.59	1.60	1.85	1.91	1.30	1.03

CAL YR 1973 TOTAL 1,338.4 MEAN 3.67 † 1.14 MAX 11 MIN 2.3
WTR YR 1974 TOTAL 1,370.5 MEAN 3.75 † 1.40 MAX 8.8 MIN 2.5

† INDICATED ADJUSTMENT, IN CUBIC FEET PER SECOND, FOR DIVERSION THROUGH FISH HATCHERY.

REVISIONS.--WSP 1141: Drainage area.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44	51	44	52	51	49	58	45	48	39	32	39
2	44	47	43	51	51	49	57	45	49	36	31	80
3	44	44	43	49	51	48	54	51	49	35	32	68
4	44	43	43	52	49	48	58	51	45	35	32	61
5	41	43	47	51	48	48	57	49	44	35	32	51
6	41	41	52	48	48	47	57	48	43	36	32	44
7	41	41	47	47	49	47	54	48	42	36	34	60
8	41	41	44	47	52	47	52	48	42	35	32	54
9	41	41	58	48	51	51	60	48	43	35	32	47
10	41	41	63	49	51	51	60	49	42	35	32	41
11	41	41	55	52	49	52	55	51	41	34	32	40
12	41	43	51	54	49	52	54	51	41	34	31	39
13	41	43	48	51	51	47	55	51	40	34	31	39
14	41	43	49	49	51	45	57	48	39	34	31	37
15	41	43	47	49	49	45	55	48	40	34	31	36
16	40	43	47	49	48	51	52	47	41	34	30	36
17	40	41	60	48	49	58	49	47	46	34	31	36
18	41	41	57	47	49	54	49	47	41	32	32	36
19	41	41	51	49	52	51	51	48	40	34	31	36
20	41	40	48	48	61	48	51	48	40	34	31	35
21	41	40	65	58	57	65	49	45	40	32	30	37
22	41	41	65	68	55	75	49	45	44	32	30	39
23	41	41	57	63	52	65	49	45	45	32	34	36
24	41	43	52	58	51	58	48	48	43	32	36	34
25	41	43	49	54	51	54	49	50	41	34	36	36
26	41	44	52	52	51	52	48	47	40	32	34	40
27	41	43	65	55	49	51	48	46	39	32	34	39
28	41	51	60	55	49	49	48	45	39	32	32	39
29	45	49	54	55	-----	51	48	45	39	34	52	47
30	58	47	51	54	-----	55	48	45	39	32	45	41
31	54	-----	49	52	-----	61	-----	44	-----	32	41	-----
TOTAL	1,315	1,294	1,616	1,614	1,424	1,624	1,579	1,473	1,265	1,051	1,036	1,303
MEAN	42.4	43.1	52.1	52.1	50.9	52.4	52.6	47.5	42.2	33.9	33.4	43.4
MAX	58	51	65	68	61	75	60	51	49	39	52	80
MIN	40	40	43	47	48	45	48	44	39	32	30	39

CAL YR 1973	TOTAL 18,352	MEAN 50.3	MAX 89	MIN 40
WTR YR 1974	TOTAL 16,594	MEAN 45.5	MAX 80	MIN 30

STREAMS ON LONG ISLAND

01304500 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.--32 years, 34.6 ft³/s (0.980 m³/s).

EXTREMES.--Current year: Maximum discharge, 81 ft³/s (2.29 m³/s) Nov. 1 (gage height, 0.75 ft or 0.229 m); minimum, 2.1 ft³/s (0.059 m³/s) Feb. 5 (gage height, 0.12 ft (0.037 m), result of freezeup); minimum daily, 21 ft³/s (0.59 m³/s) Aug. 14-16, 21, 22.
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. Water quality records for the current year are published in Part 2 of this report.

REVISIONS.--WSP 1141: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	57	39	70	64	57	68	57	54	33	24	25
2	36	59	36	68	62	56	68	55	60	32	24	45
3	36	49	34	66	60	56	63	56	66	31	24	38
4	35	43	34	68	60	56	69	58	66	30	24	31
5	34	40	34	66	47	56	70	58	62	30	23	32
6	35	38	35	64	64	57	69	58	56	33	23	35
7	34	34	34	62	62	58	68	62	50	32	23	42
8	34	32	33	60	60	57	66	64	49	32	24	40
9	34	35	37	60	60	56	69	64	45	32	23	35
10	33	35	41	62	58	55	74	64	52	31	23	32
11	32	34	42	64	56	52	74	62	50	31	23	30
12	32	34	40	64	56	52	72	60	45	31	22	28
13	30	32	38	62	54	50	75	64	45	30	22	27
14	29	32	41	60	56	48	77	61	49	28	21	26
15	27	32	41	60	54	47	76	57	49	27	21	26
16	23	31	40	58	54	49	74	55	49	24	21	24
17	24	30	47	58	56	58	72	56	49	24	22	24
18	26	26	50	56	54	58	70	61	49	23	23	23
19	27	24	48	58	54	53	69	62	49	24	22	23
20	27	24	47	56	58	50	68	60	47	23	22	23
21	28	24	63	58	58	52	66	59	45	23	21	23
22	28	26	65	64	60	58	66	57	45	23	21	24
23	28	31	60	64	60	56	65	56	47	24	22	24
24	29	33	55	64	58	62	64	53	45	23	24	23
25	29	35	50	64	57	69	62	52	43	23	23	23
26	29	35	60	64	58	72	61	52	45	28	22	24
27	29	34	70	66	56	70	60	52	45	27	22	23
28	28	37	70	66	56	67	58	56	40	27	23	23
29	26	40	68	68	-----	64	56	59	37	26	32	30
30	32	41	70	66	-----	66	56	59	35	26	27	31
31	42	-----	68	66	-----	68	-----	55	-----	24	25	-----
TOTAL	953	1,057	1,490	1,952	1,612	1,785	2,025	1,804	1,468	855	716	857
MEAN	30.7	35.2	48.1	63.0	57.6	57.6	67.5	58.2	48.9	27.6	23.1	28.6
MAX	42	59	70	70	64	72	77	64	66	33	32	45
MIN	23	24	33	56	47	47	56	52	35	23	21	23
CAL YR 1973	TOTAL 20,419	MEAN 55.9	MAX 100	MIN 23								
WTR YR 1974	TOTAL 16,574	MEAN 45.4	MAX 77	MIN 21								

STREAMS ON LONG ISLAND

31

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 1.0 ft (0.30 m) higher.

AVERAGE DISCHARGE.--32 years, 22.9 ft³/s (0.648 m³/s).

EXTREMES.--Current year: Maximum discharge, 55 ft³/s (1.56 m³/s) Dec. 21 (gage height, 1.59 ft (0.485 m)); minimum, 9.9 ft³/s (0.28 m³/s) Feb. 5 (gage height, 0.95 ft (0.290 m), result of freezeup).

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 (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 Part 2 of this report.

REVISIONS.--WSP 1141: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	31	26	33	31	33	34	32	33	36	25	24
2	26	28	25	31	30	32	33	31	32	30	24	34
3	27	27	25	30	31	31	33	34	30	27	25	29
4	27	26	25	33	31	31	35	34	30	26	25	27
5	28	25	26	30	27	31	34	32	29	27	24	25
6	27	26	27	30	33	30	33	32	29	28	25	24
7	26	25	26	30	33	30	32	33	30	26	25	33
8	26	25	25	30	33	30	32	31	27	26	26	27
9	26	25	31	31	33	32	39	31	30	30	25	25
10	26	25	31	31	32	32	37	33	29	24	25	24
11	26	25	29	33	32	30	34	32	26	24	24	24
12	26	25	27	33	31	30	33	33	28	25	24	24
13	26	25	26	30	33	30	35	35	27	25	24	24
14	26	25	28	29	33	30	35	32	27	25	23	24
15	25	25	27	28	32	30	34	31	27	25	23	23
16	25	25	27	29	31	32	33	31	28	25	23	22
17	25	25	34	29	33	36	32	30	31	25	24	22
18	25	25	31	28	32	32	32	30	29	25	24	22
19	25	25	28	29	32	30	33	30	28	25	23	24
20	25	25	27	29	36	30	33	30	27	25	23	24
21	25	25	41	33	33	38	33	30	29	24	24	21
22	25	25	36	37	33	39	33	30	30	24	23	22
23	26	25	32	33	34	34	33	30	30	24	25	22
24	27	25	30	33	32	33	33	31	30	24	27	22
25	27	26	30	32	33	32	32	32	29	25	25	22
26	27	25	32	30	33	31	32	30	28	25	24	24
27	25	25	37	31	31	31	32	30	28	25	24	23
28	25	30	33	31	32	31	32	30	28	25	24	23
29	30	30	30	33	-----	31	32	30	29	25	26	28
30	40	27	32	32	-----	35	32	30	30	25	25	25
31	33	-----	31	31	-----	37	-----	29	-----	25	24	-----
TOTAL	830	776	915	962	900	994	1,000	969	870	800	755	737
MEAN	26.8	25.9	29.5	31.0	32.1	32.1	33.3	31.3	29.0	25.8	24.4	24.6
MAX	40	31	41	37	36	39	39	35	33	36	27	34
MIN	25	25	25	28	27	30	32	29	27	24	23	21
CAL YR 1973	TOTAL 11,467	MEAN 31.4	MAX 45	MIN 23								
WTR YR 1974	TOTAL 10,508	MEAN 28.8	MAX 41	MIN 21								

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.

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.—28 years, 12.4 ft³/s (0.351 m³/s).

EXTREMES.--Current year: Maximum discharge, 119 ft³/s (3.37 m³/s) Sept. 2 (gage height, 1.79 ft (0.546 m)), from rating curve extended above 18 ft³/s (0.51 m³/s); minimum, 0.51 ft³/s (0.014 m³/s) Aug. 13 (gage height, 0.14 ft (0.043 m), result of regulation); minimum daily discharge, 6.2 ft³/s (0.18 m³/s) Aug. 26.

Period of record: Maximum discharge, 119 ft³/s (3.37 m³/s) Sept. 2, 1974 (gage height, 1.79 ft (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 (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. Water quality records for the current year are published in Part 2 of this report.

REVISIONS.--WSP 1622: Drainage area.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	14	11	15	13	14	14	13	16	11	9.2	10
2	12	11	11	13	13	14	14	13	15	12	9.2	18
3	12	11	11	14	13	13	14	16	13	11	9.2	13
4	12	10	11	15	13	13	16	15	13	11	9.3	12
5	12	10	13	14	14	13	15	14	12	18	9.6	11
6	11	10	13	13	13	13	15	14	12	15	9.7	11
7	12	10	11	13	14	12	15	14	12	13	11	18
8	12	9.8	11	13	14	12	14	14	12	13	11	15
9	12	9.8	20	14	14	13	19	14	13	12	10	14
10	11	9.8	15	14	13	13	16	15	12	11	10	13
11	11	9.4	12	16	13	12	14	14	12	11	10	12
12	11	9.4	12	15	13	12	14	15	13	11	9.9	12
13	11	9.4	12	14	13	12	16	15	14	14	7.2	11
14	12	9.8	14	13	13	12	15	14	12	13	7.1	11
15	11	10	12	13	13	12	15	14	13	13	11	11
16	11	10	13	13	13	15	15	13	14	14	12	11
17	11	10	23	14	14	16	15	13	17	10	9.8	11
18	11	10	15	13	13	13	15	13	15	9.9	9.6	11
19	11	10	13	14	14	13	15	13	14	10	9.4	11
20	12	10	13	13	16	12	14	13	12	10	9.5	11
21	12	10	29	19	14	23	14	13	16	9.8	9.2	11
22	12	11	17	18	14	17	14	13	18	9.7	9.2	11
23	12	10	14	15	14	14	15	13	19	9.6	12	10
24	12	12	13	14	13	14	14	15	16	9.7	10	10
25	12	13	13	13	14	13	14	16	15	15	9.8	10
26	12	12	18	13	14	14	14	14	14	11	6.2	13
27	11	12	19	14	13	14	14	13	14	10	7.5	12
28	11	17	15	14	13	14	14	13	16	9.6	10	12
29	26	13	14	14	-----	14	14	13	14	9.5	15	14
30	26	12	15	13	-----	17	13	14	11	9.5	16	12
31	14	-----	14	13	-----	17	-----	13	-----	9.3	11	-----
TOTAL	390	325.4	447	436	378	430	440	429	419	355.6	309.6	362
MEAN	12.6	10.8	14.4	14.1	13.5	13.9	14.7	13.8	14.0	11.5	9.99	12.1
MAX	26	17	29	19	16	23	19	16	19	18	16	18
MIN	11	9.4	11	13	13	12	13	13	11	9.3	6.2	10

CAL YR 1973	TOTAL 5,531.4	MEAN 15.2	MAX 32	MIN 9.4
WTR YR 1974	TOTAL 4,721.6	MEAN 12.9	MAX 29	MIN 6.2

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 September 1974. 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.--25 years (1946-69, 1974), 20.4 ft³/s (0.578 m³/s).

EXTREMES.--Current year: Maximum daily discharge, 33 ft³/s (0.93 m³/s) Dec. 21, Mar. 21, Apr. 9, Sept. 2; minimum daily, 13 ft³/s (0.37 m³/s) July 30.

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 Part 2 of this report.

REVISIONS.--WSP 1141: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	21	17	24	22	21	24	26	27	20	19	18
2	19	19	18	22	21	21	25	25	23	19	16	33
3	21	19	18	23	22	21	23	29	22	19	14	23
4	19	18	18	25	22	21	26	27	21	20	21	20
5	19	17	19	22	20	20	25	25	21	21	17	19
6	20	17	21	22	21	22	25	25	20	22	16	18
7	19	17	18	21	22	22	24	25	20	21	17	20
8	19	18	17	21	22	22	24	25	19	23	18	18
9	19	17	25	23	23	23	33	25	20	20	17	18
10	18	17	23	22	22	24	28	27	19	16	17	18
11	16	16	20	23	22	23	25	26	19	17	16	18
12	16	17	18	23	21	22	24	26	18	17	15	17
13	17	16	18	21	21	22	29	28	16	21	15	17
14	18	16	20	20	21	24	28	25	16	24	16	18
15	18	17	19	20	20	24	27	24	17	20	15	17
16	18	17	20	20	20	26	25	24	18	19	16	17
17	17	16	27	21	22	30	25	23	20	17	16	17
18	17	16	23	26	22	24	26	23	19	15	16	18
19	17	16	21	23	21	24	27	22	18	17	16	19
20	17	16	20	20	23	24	26	22	18	18	22	17
21	17	16	33	26	21	33	25	22	19	18	17	17
22	17	17	26	29	23	32	26	23	20	18	16	17
23	17	16	22	28	25	26	26	23	20	20	14	16
24	17	17	21	25	21	26	26	25	19	18	14	15
25	16	18	21	23	21	25	25	26	19	22	15	17
26	16	18	24	22	22	25	25	25	19	18	15	19
27	19	16	29	23	20	25	24	24	20	14	15	17
28	17	21	24	23	20	25	24	23	20	15	17	16
29	25	20	23	23	-----	24	23	23	20	16	19	20
30	30	19	23	23	-----	28	23	23	19	13	19	16
31	27	-----	23	22	-----	26	-----	23	-----	16	18	-----
TOTAL	581	521	669	709	603	755	766	762	586	574	514	550
MEAN	18.7	17.4	21.6	22.9	21.5	24.4	25.5	24.6	19.5	18.5	16.6	18.3
MAX	30	21	33	29	25	33	33	29	27	24	22	33
MIN	16	16	17	20	20	20	23	22	16	13	14	15

WTR YR 1974 TOTAL 7,590 MEAN 20.8 MAX 33 MIN 13

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.

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

AVERAGE DISCHARGE.--31 years, 37.7 ft³/s (1.068 m³/s).

REMARKS.—Records fair. 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 Part 2 of this report.

REVISIONS.--WSP 1141: Drainage area.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	44	36	47	43	42	51	40	43	35	28	27
2	37	40	35	45	43	40	48	40	42	34	28	42
3	38	38	35	44	44	41	48	44	40	37	28	37
4	37	37	35	46	44	40	55	43	40	34	28	36
5	37	36	38	44	43	40	54	40	40	35	28	32
6	35	35	41	45	43	39	50	40	38	35	27	30
7	35	36	38	44	44	38	47	39	41	33	29	39
8	35	35	36	41	44	39	46	39	40	33	29	36
9	36	35	47	43	44	43	61	41	40	32	28	33
10	35	35	53	43	43	41	60	41	39	34	28	32
11	36	35	45	46	42	39	52	40	38	31	27	32
12	36	35	44	46	41	39	48	41	38	32	27	30
13	36	36	42	42	42	39	53	44	37	32	26	30
14	36	36	44	42	42	38	54	40	37	32	27	30
15	33	35	41	42	41	38	49	39	36	31	26	28
16	34	36	40	43	40	42	47	40	37	31	26	28
17	36	32	50	42	41	50	46	40	40	31	26	28
18	33	33	48	41	41	42	45	40	38	30	27	28
19	34	33	43	43	41	41	45	39	38	31	26	28
20	35	34	42	42	48	42	44	38	37	31	25	27
21	34	35	57	49	43	57	44	38	37	30	26	28
22	34	35	58	54	43	69	44	39	39	30	25	28
23	34	34	47	49	43	54	44	40	40	30	28	26
24	37	34	46	48	41	51	44	42	39	30	29	26
25	36	37	44	46	42	48	43	42	38	32	29	28
26	38	36	48	46	42	46	42	41	38	31	26	30
27	38	36	65	46	40	46	41	40	37	30	25	28
28	36	44	53	45	40	44	40	39	37	30	27	28
29	41	43	49	45	-----	45	40	39	38	30	32	35
30	53	39	48	45	-----	52	40	39	37	30	30	30
31	45	-----	46	44	-----	61	-----	40	-----	29	28	-----
TOTAL	1,137	1,089	1,394	1,388	1,188	1,386	1,425	1,247	1,159	986	849	920
MEAN	36.7	36.3	45.0	44.8	42.4	44.7	47.5	40.2	38.6	31.8	27.4	30.7
MAX	53	44	65	54	48	69	61	44	43	37	32	42
MIN	33	32	35	41	40	38	40	38	36	29	25	26

CAL YR 1973	TOTAL 17,361	MEAN 47.6	MAX 85	MIN 32
WTR YR 1974	TOTAL 14,168	MEAN 38.8	MAX 69	MIN 25

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.--29 years, 6.26 ft³/s (0.177 m³/s).

EXTREMES.--Current year: Maximum discharge, 58 ft³/s (1.64 m³/s) Mar. 21 (gage height, 1.74 ft (0.530 m)); minimum, 2.0 ft³/s (0.057 m³/s) Aug. 25, 26 (gage height, 0.28 ft (0.085 m)).

Period of record: Maximum discharge, 71 ft³/s (2.01 m³/s) Oct. 7, 1972 (gage height, 2.01 ft (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, 1.5 ft³/s (0.042 m³/s) Nov. 10, 1949 (gage height, 0.22 ft (0.067 m)), result of temporary construction at culvert upstream.

REMARKS.--Records fair. Water quality records for the current year are published in Part 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.5	7.9	5.4	9.1	7.6	7.0	8.5	6.5	9.4	4.8	3.3	2.7
2	6.5	6.5	5.1	7.0	7.6	6.8	8.5	6.5	6.5	5.1	3.3	11
3	6.8	6.2	5.1	8.5	7.6	6.8	7.0	10	5.7	5.1	3.3	5.9
4	6.8	5.9	5.1	9.4	7.6	6.8	12	6.5	5.4	5.1	3.1	5.1
5	6.8	5.9	8.6	7.6	7.0	6.5	7.9	5.7	5.7	7.3	3.5	3.5
6	6.5	5.9	6.5	7.6	7.0	6.5	8.2	5.4	5.9	4.6	3.5	3.5
7	6.5	5.9	5.8	7.3	8.2	6.8	7.0	5.7	5.7	4.6	4.6	10
8	6.2	5.9	5.7	7.0	7.3	7.3	7.6	4.6	5.9	4.3	3.7	3.9
9	6.2	5.9	16	7.0	7.0	10	18	3.7	6.2	4.3	3.3	3.5
10	6.2	5.7	7.8	7.3	6.8	7.9	9.4	6.8	6.5	4.1	3.3	3.3
11	6.2	5.7	7.0	11	6.8	7.0	7.3	5.4	6.2	3.9	3.1	3.3
12	5.9	5.7	6.5	8.5	6.8	6.8	7.3	5.4	5.9	3.9	3.1	3.1
13	6.2	5.4	6.6	7.6	7.3	6.8	11	5.7	5.9	3.7	3.1	3.1
14	6.2	5.4	7.2	7.3	7.0	6.8	7.6	5.1	5.7	3.7	3.3	3.5
15	6.2	5.4	6.3	7.6	6.8	6.8	7.0	5.1	5.7	3.7	3.3	3.1
16	6.2	5.4	7.0	7.9	6.8	13	6.8	5.1	8.5	3.9	3.1	2.9
17	5.9	5.4	15	7.3	7.6	9.4	6.5	6.2	6.8	3.7	3.5	3.1
18	5.9	5.4	7.6	7.0	6.8	7.6	6.2	5.4	5.7	4.1	2.9	3.3
19	5.9	5.4	6.9	7.6	8.2	7.6	7.0	5.1	5.6	4.1	2.7	3.3
20	5.9	5.1	6.9	7.0	7.6	7.3	6.8	5.1	5.6	4.1	2.7	3.3
21	5.9	4.8	20	16	6.8	28	6.5	5.1	8.5	4.1	2.5	3.7
22	5.9	5.1	8.5	9.7	7.3	10	6.8	5.4	5.7	4.1	2.3	3.5
23	5.9	4.8	7.6	8.8	7.0	8.8	6.8	6.2	7.9	4.6	4.8	3.3
24	5.7	5.9	7.0	8.2	6.5	8.5	6.8	9.4	5.1	5.1	2.9	3.1
25	5.9	6.2	6.8	8.2	7.6	7.9	6.5	6.5	5.4	4.6	2.3	5.9
26	6.5	5.4	13	7.9	7.0	7.9	5.7	5.7	5.1	3.7	2.0	4.3
27	5.9	5.4	13	8.8	6.5	7.3	6.2	5.4	4.8	3.5	2.4	3.5
28	5.9	11	7.9	9.1	6.2	7.6	5.4	5.4	5.1	3.9	6.5	4.6
29	11	6.2	7.6	8.8	-----	7.6	6.2	5.7	4.8	3.7	5.9	5.9
30	13	5.6	8.5	8.2	-----	14	6.5	5.4	4.8	3.7	3.7	3.5
31	7.6	-----	7.6	7.9	-----	11	-----	5.7	-----	3.5	2.9	-----
TOTAL	204.7	176.4	255.6	258.2	200.3	270.1	231.0	182.3	181.7	132.6	103.9	125.7
MEAN	6.60	5.88	8.25	8.33	7.15	8.71	7.70	5.88	6.06	4.28	3.35	4.19
MAX	13	11	20	16	8.2	28	18	10	9.4	7.3	6.5	11
MIN	5.7	4.8	5.1	7.0	6.2	6.5	5.4	3.7	4.8	3.5	2.0	2.7
CAL YR 1973	TOTAL 3,109.8	MEAN 8.52	MAX 25	MIN 4.8								
WTR YR 1974	TOTAL 2,322.5	MEAN 6.36	MAX 28	MIN 2.0								

PEAK DISCHARGE (BASE, 40 CFS)

DATE	TIME	G. H.	DISCHARGE
12-21	1030	1.36	40
3-21	1445	1.74	58

STREAMS ON LONG ISLAND

01308000 SAMPWAMS 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 and 3,000 ft (914 m) 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.--30 years, 9.35 ft³/s (0.265 m³/s).

EXTREMES.--Current year: Maximum discharge, 55 ft³/s (1.56 m³/s) Mar. 21 (gage height, 1.82 ft (0.555 m)); minimum, 2.4 ft³/s (0.68 m³/s) Aug. 1, 21 (gage height, 0.19 ft (0.058 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 28, 1963 (gage height, 0.13 ft (0.040 m), datum then in use).

REVISIONS.--The maximum discharge for the water year 1970 has been revised to 69 ft³/s (1.95 m³/s) May 26 (gage height, 2.44 ft (0.744 m)), superseding figure published in WRD, N.Y. 1970.

REMARKS.--Records good. 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 Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1141: Drainage area: WSP 1702: 1955(M), 1956(M). The figures of peak discharge for the water year 1970 have been revised as shown. They supersede figures published in WRD N.Y. 1970.

REVISED PEAK DISCHARGE.--1970: Feb 3 (1400) 55 ft³/s (1.56 m³/s) (2.78 ft (0.847 m)); Apr. 2 (0900) 66 ft³/s (1.87 m³/s) (2.22 ft (0.677 m)); May 26 (2100) 69 ft³/s (1.95 m³/s) (2.44 ft (0.744 m)); Aug. 1 (unknown) 66 ft³/s (1.87 m³/s) (2.21 ft (0.674 m)); Aug. 23 (1215) 68 ft³/s (1.93 m³/s) (2.30 ft (0.701 m)).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.6	8.1	7.0	13	12	10	16	14	10	6.5	3.5	4.0
2	4.6	6.7	6.7	11	12	9.8	16	14	9.1	6.2	3.5	10
3	4.6	6.3	6.7	12	11	9.8	16	15	8.8	6.1	3.7	8.0
4	4.6	6.0	6.3	13	11	10	19	14	8.9	5.8	3.9	7.9
5	4.6	5.6	9.8	12	11	10	17	13	8.6	7.4	4.1	5.2
6	4.6	5.6	8.1	11	11	10	16	13	7.7	6.2	3.7	5.3
7	4.2	5.6	7.4	11	12	10	16	13	7.7	5.8	4.5	12
8	4.6	5.6	7.0	11	11	11	15	13	7.7	5.6	4.3	6.7
9	4.2	5.6	15	11	11	12	22	12	7.7	5.4	4.2	6.5
10	4.2	5.6	9.8	11	11	11	18	13	7.4	5.2	4.1	6.0
11	4.2	5.6	9.1	13	11	10	16	12	7.0	5.0	3.9	6.2
12	3.9	5.6	8.4	12	11	10	16	13	7.0	4.8	3.7	6.0
13	3.9	5.6	8.1	11	11	10	18	12	6.6	4.6	3.5	5.9
14	4.2	5.6	9.1	11	11	9.8	16	9.8	6.6	4.7	3.3	5.9
15	3.9	5.6	8.1	11	11	9.8	16	8.8	6.6	4.6	3.1	5.3
16	3.9	6.0	8.8	11	11	14	16	8.8	7.3	4.4	3.0	5.0
17	3.5	5.6	17	11	11	13	16	9.1	7.4	4.3	3.4	4.9
18	3.9	5.6	11	11	11	12	15	7.4	7.0	4.4	3.6	5.2
19	3.9	5.6	9.5	11	12	11	16	7.4	6.6	4.4	3.1	5.3
20	3.9	5.6	9.1	11	14	11	15	7.7	6.6	4.1	3.0	5.2
21	4.2	5.3	19	16	11	21	14	8.1	9.1	3.9	2.8	5.2
22	3.9	5.6	13	14	11	16	15	7.4	7.0	4.0	2.8	5.2
23	3.9	5.6	11	13	11	14	14	7.7	8.7	4.0	5.4	5.5
24	3.9	6.0	11	12	10	13	14	10	7.0	4.5	3.4	5.7
25	3.9	6.7	10	12	11	12	14	9.5	7.0	4.7	3.3	8.2
26	3.5	6.0	14	12	11	12	14	8.8	7.0	4.4	3.3	6.7
27	3.9	6.0	16	12	10	13	14	8.1	7.0	4.3	3.4	5.3
28	3.5	12	13	12	10	14	14	8.1	7.4	4.2	8.8	5.3
29	8.8	8.1	11	12	-----	14	13	8.1	7.0	4.0	7.1	8.1
30	9.8	7.4	12	12	-----	19	14	7.7	6.7	4.1	4.6	5.6
31	7.7	-----	12	12	-----	19	-----	8.1	-----	3.9	4.3	-----
TOTAL	141.0	185.8	324.0	368	312	381.2	471	321.6	226.2	151.5	122.3	187.3
MEAN	4.55	6.19	10.5	11.9	11.1	12.3	15.7	10.4	7.54	4.89	3.95	6.24
MAX	9.8	12	19	16	14	21	22	15	10	7.4	8.8	12
MIN	3.5	5.3	6.3	11	10	9.8	13	7.4	6.6	3.9	2.8	4.0
CAL YR 1973	TOTAL 4,056.2		MEAN 11.1	MAX 32	MIN 3.5							
WTR YR 1974	TOTAL 3,191.9		MEAN 8.74	MAX 22	MIN 2.8							

PEAK DISCHARGE (BASE, 55 CFS)

DATE	TIME	G. H.	DISCHARGE
3-21	1430	1.82	55

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.--30 years, 25.9 ft³/s (0.733 m³/s).

EXTREMES.--Current year: Maximum discharge, 136 ft³/s (3.85 m³/s) Mar. 21 (gage height 1.63 ft (0.497 m)); minimum, 9.0 ft³/s (0.25 m³/s) Aug. 17, 19, 22, 23 (gage height, 0.44 ft (0.134 m)).

Period of record: Maximum discharge, 193 ft³/s (5.47 m³/s) June 23, 1967 (gage height 1.99 ft (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 Part 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	26	20	38	27	26	37	26	29	18	13	15
2	17	22	19	32	26	26	35	25	29	16	12	32
3	17	20	18	32	26	25	34	33	26	17	11	33
4	16	18	18	39	26	25	47	32	24	20	12	41
5	15	18	24	34	24	25	40	27	22	20	14	24
6	16	17	31	31	26	24	37	26	22	22	16	20
7	16	17	22	34	28	24	34	26	20	18	13	43
8	15	17	17	34	27	26	32	25	22	18	14	30
9	15	17	44	34	26	36	62	25	21	14	14	24
10	15	17	43	32	26	33	49	30	20	14	12	22
11	13	17	28	38	25	29	37	29	19	14	10	19
12	13	17	24	38	24	28	34	27	18	14	9.4	17
13	14	17	24	33	25	26	42	32	22	15	9.4	18
14	14	17	27	31	26	26	43	26	20	14	10	21
15	15	16	23	30	24	26	36	25	16	17	12	18
16	15	15	20	31	24	34	34	24	18	15	11	17
17	17	14	54	30	26	51	33	20	26	14	9.4	17
18	16	15	38	29	25	33	34	24	22	13	9.4	17
19	15	18	29	29	27	30	34	27	17	14	9.9	17
20	15	18	26	29	47	29	32	23	21	13	12	17
21	15	16	71	42	31	66	29	22	19	13	11	16
22	15	17	55	52	29	75	29	22	26	12	9.9	15
23	15	16	35	39	29	45	32	22	27	11	13	17
24	15	17	32	36	27	39	29	22	25	14	13	17
25	15	20	30	34	28	36	29	38	18	16	12	17
26	15	20	38	30	28	35	28	28	20	13	15	18
27	15	18	71	33	26	34	28	24	23	12	14	18
28	15	34	41	32	26	34	27	23	21	13	17	18
29	22	26	35	34	-----	32	27	22	21	13	46	24
30	46	25	36	29	-----	44	27	23	20	13	20	20
31	31	-----	34	29	-----	50	-----	23	-----	13	15	-----
TOTAL	522	562	1,027	1,048	759	1,072	1,051	801	654	463	419.4	642
MEAN	16.8	18.7	33.1	33.8	27.1	34.6	35.0	25.8	21.8	14.9	13.5	21.4
MAX	46	34	71	52	47	75	62	38	29	22	46	43
MIN	13	14	17	29	24	24	27	20	16	11	9.4	15
CAL YR 1973	TOTAL	10,903.0	MEAN	29.9	MAX	85	MIN	13				
WTR YR 1974	TOTAL	9,020.4	MEAN	24.7	MAX	75	MIN	9.4				

STREAMS ON LONG ISLAND

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.--37 years (1937-74), 11.2 ft³/s (0.317 m³/s).

EXTREMES.--Current year: Maximum discharge, 241 ft³/s (6.83 m³/s) Mar. 21 (gage height, 1.89 ft (0.576 m)); minimum, 2.5 ft³/s (0.071 m³/s) Aug. 16 (gage height, 0.63 ft (0.192 m)).

Period of record: Maximum discharge, 387 ft³/s (11.0 m³/s) July 20, 1961 (gage height, 2.28 ft (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 Part 2 of this report.

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

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.4	6.3	4.3	12	9.0	8.6	13	10	14	5.4	3.4	4.0
2	5.4	4.3	4.3	8.6	9.0	8.6	14	9.5	10	4.9	3.4	13
3	5.4	4.0	4.3	11	9.0	8.6	12	16	8.1	4.6	4.3	9.4
4	4.9	4.0	4.3	13	8.6	8.6	24	11	7.7	4.6	3.4	17
5	4.6	4.0	7.7	8.6	8.6	8.6	15	10	7.2	6.5	4.6	5.8
6	4.6	3.7	7.7	8.1	8.6	8.1	14	10	7.2	6.6	3.7	5.4
7	4.6	3.7	4.9	8.1	9.5	8.6	12	9.5	7.2	4.6	4.3	20
8	4.6	3.7	4.6	7.7	9.5	9.5	12	9.5	7.2	4.6	4.3	7.2
9	4.6	3.7	29	8.1	9.0	14	36	9.5	7.2	4.3	6.8	6.3
10	4.3	3.4	8.1	8.1	8.6	10	16	19	6.7	4.0	4.3	5.8
11	4.3	3.4	6.7	14	9.0	8.6	14	11	6.3	4.0	3.7	5.4
12	4.3	3.4	6.3	10	9.0	8.6	13	14	6.3	4.0	3.4	5.4
13	4.3	3.4	5.8	8.6	9.5	8.6	21	13	6.3	4.0	3.4	4.9
14	4.3	3.7	8.6	8.6	9.5	8.1	16	9.5	6.3	3.7	3.4	5.8
15	4.3	3.7	5.8	8.6	9.5	8.1	14	9.0	5.8	3.7	3.4	4.9
16	4.0	3.7	6.7	9.0	9.5	25	14	9.0	5.8	3.7	3.1	4.6
17	4.0	3.7	27	9.0	10	15	13	10	6.7	3.7	4.1	4.6
18	3.7	3.7	8.6	8.6	9.0	10	13	8.6	5.8	3.4	5.1	4.3
19	3.7	4.0	7.2	9.5	16	9.5	13	8.1	5.4	3.4	3.4	4.3
20	3.7	4.0	6.7	8.6	18	8.6	12	8.1	5.4	3.4	3.4	4.0
21	3.7	4.0	43	23	9.5	66	12	7.7	9.0	3.4	3.4	4.3
22	3.7	4.0	11	14	10	17	12	7.7	7.2	3.4	3.4	5.8
23	3.4	3.7	8.6	11	9.0	14	12	8.6	8.1	3.4	6.8	4.3
24	3.4	4.0	8.1	11	8.6	12	12	18	6.7	4.0	4.3	4.3
25	3.4	4.9	7.7	9.5	9.5	11	11	13	6.3	4.3	3.7	5.3
26	3.4	4.0	26	9.5	8.6	11	11	8.6	6.3	3.7	3.4	6.6
27	3.4	3.7	21	12	8.6	11	11	8.1	5.8	3.7	3.1	4.3
28	3.7	14	10	11	8.6	11	11	8.1	5.8	3.4	29	4.3
29	11	6.3	9.0	11	-----	11	11	8.1	6.3	3.4	19	13
30	18	4.6	10	9.5	-----	21	10	8.1	5.8	3.7	5.8	6.3
31	5.4	-----	9.0	9.5	-----	21	-----	7.7	-----	3.4	4.3	-----
TOTAL	151.5	130.7	332.0	318.8	270.8	409.3	424	318.0	209.9	126.9	165.1	200.6
MEAN	4.89	4.36	10.7	10.3	9.67	13.2	14.1	10.3	7.00	4.09	5.33	6.69
MAX	18	14	43	23	18	66	36	19	14	6.6	29	20
MIN	3.4	3.4	4.3	7.7	8.6	8.1	10	7.7	5.4	3.4	3.1	4.0
CAL YR 1973	TOTAL 6,158.4		MEAN 16.9	MAX 73	MIN 3.4							
WTR YR 1974	TOTAL 3,057.6		MEAN 8.38	MAX 66	MIN 3.1							

PEAK DISCHARGE (BASE, 110 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-21	1115	1.60	137	3-21	1445	1.89	241
12-26	2315	1.52	115	8-28	2215	1.81	209

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.--37 years (1937-74), 10.5 ft³/s (0.297 m³/s).

EXTREMES.--Current year: Maximum daily discharge, 45 ft³/s (1.27 m³/s) Mar. 21; minimum daily, 1.8 ft³/s (0.051 m³/s) Aug. 1, 2.

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 poor. 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 May through September 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 Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.4	8.2	5.9	15	12	10	14	11	16	6.5	1.8	5.0
2	5.5	6.5	5.5	11	13	9.9	15	11	10	5.1	1.8	15
3	6.0	6.4	5.5	14	12	9.8	13	17	9.7	4.7	4.0	8.4
4	5.5	5.8	5.5	16	12	9.8	21	12	9.9	4.3	3.1	9.6
5	5.2	5.9	8.9	12	12	9.5	16	10	10	6.5	4.5	5.8
6	4.7	6.0	9.1	12	12	9.1	14	11	10	6.9	3.8	5.8
7	4.7	5.5	5.8	11	12	9.3	14	13	9.7	4.8	4.0	18
8	4.7	5.3	5.6	11	12	12	14	14	10	4.5	5.6	6.0
9	4.7	5.3	25	11	11	14	33	14	9.6	4.3	6.2	5.7
10	4.6	5.2	8.8	12	11	12	15	25	9.3	4.0	5.4	4.9
11	4.6	5.2	7.1	18	11	11	14	14	8.6	3.7	5.0	4.7
12	4.6	5.2	6.7	14	11	12	14	16	9.3	3.6	5.2	4.6
13	4.2	5.3	7.1	12	12	12	21	14	9.6	3.4	6.5	4.3
14	4.2	5.3	10	12	11	11	15	12	9.6	3.4	8.5	4.9
15	4.3	5.4	6.3	12	11	11	14	12	9.7	3.3	7.2	4.7
16	4.3	5.3	7.5	13	10	22	13	11	9.5	3.1	5.1	4.4
17	4.3	5.1	30	12	10	14	13	15	11	2.9	9.1	3.9
18	4.3	5.2	8.7	12	9.7	11	13	12	10	2.9	5.1	3.3
19	4.3	5.0	8.0	13	16	11	13	11	9.0	2.8	8.0	2.7
20	4.3	4.7	8.3	12	16	9.9	13	11	9.1	2.8	7.8	2.6
21	4.0	5.4	39	24	11	45	12	10	11	2.7	7.5	4.8
22	4.2	5.5	11	14	12	14	12	8.7	12	2.7	7.0	4.3
23	5.3	5.5	9.5	13	12	13	12	8.4	13	2.6	8.5	2.8
24	5.9	6.4	8.7	12	10	13	12	15	11	2.7	6.9	2.7
25	6.1	7.1	8.7	12	11	12	12	8.3	10	2.8	6.3	4.0
26	7.4	5.8	26	12	11	12	11	7.5	10	2.5	5.3	4.4
27	6.4	5.6	17	15	11	12	11	8.8	9.8	2.5	4.3	4.2
28	6.7	17	12	15	10	12	11	8.5	7.1	2.5	33	8.3
29	17	6.8	11	14	-----	12	11	8.5	5.2	2.4	10	19
30	16	5.9	13	13	-----	21	11	8.1	5.2	2.2	5.6	7.8
31	6.8	-----	12	13	-----	23	-----	8.5	-----	2.0	5.0	-----
TOTAL	180.2	182.8	353.2	412	324.7	419.3	427	366.3	293.9	111.1	207.1	186.6
MEAN	5.81	6.09	11.4	13.3	11.6	13.5	14.2	11.8	9.80	3.58	6.68	6.22
MAX	17	17	39	24	16	45	33	25	16	6.9	33	19
MIN	4.0	4.7	5.5	11	9.7	9.1	11	7.5	5.2	2.0	1.8	2.6

CAL YR 1973 TOTAL 4,755.7 MEAN 13.0 MAX 58 MIN 3.4
WTR YR 1974 TOTAL 3,464.2 MEAN 9.49 MAX 45 MIN 1.8

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.--37 years (1937-74), 15.0 ft³/s (0.425 m³/s).

EXTREMES.--Current year: Maximum discharge, 320 ft³/s (9.06 m³/s) Mar. 21 (gage height, 2.17 ft (0.661 m)); minimum, 0.55 ft³/s (0.016 m³/s) Aug. 1, 2 (gage height, 0.12 ft (0.037 m)).

1903 and since 1937: Maximum discharge, 835 ft³/s (23.6 m³/s) Sept. 12, 1960 (gage height, 4.38 ft (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 Part 2 of this report.

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

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.3	11	3.6	16	16	10	11	7.7	17	5.3	.61	2.0
2	4.3	5.6	3.6	8.2	17	9.9	12	6.8	9.7	3.8	1.7	23
3	4.7	4.7	3.3	12	15	10	9.4	15	6.4	3.2	4.1	5.6
4	4.3	4.3	3.3	20	14	9.8	20	9.3	5.1	2.8	1.4	21
5	4.0	4.0	6.8	9.8	14	10	15	7.7	4.7	16	1.7	3.3
6	3.6	4.0	15	8.7	13	12	12	7.4	4.3	7.4	1.3	2.7
7	3.6	4.0	4.7	8.2	15	13	9.0	7.2	4.3	3.7	1.4	41
8	3.6	5.2	4.0	8.2	14	12	8.9	6.3	4.6	2.9	1.3	5.8
9	3.3	4.7	50	8.7	12	23	50	6.6	4.4	2.2	1.3	3.9
10	3.6	3.3	10	8.7	12	13	14	30	4.1	1.8	1.2	3.1
11	3.3	3.3	6.8	23	12	10	11	8.8	3.6	1.7	1.1	2.9
12	3.3	3.6	6.0	12	11	8.9	10	11	3.5	1.6	1.0	2.7
13	3.3	3.3	5.6	8.7	11	7.7	23	12	3.3	1.4	.96	3.0
14	3.0	3.3	18	8.2	12	8.0	12	7.2	3.1	1.4	.87	3.4
15	3.0	3.3	6.0	8.2	11	6.9	13	7.1	3.3	1.3	.78	3.0
16	3.0	3.3	6.0	8.7	11	27	9.8	6.9	3.3	1.3	.78	2.8
17	2.7	3.0	54	8.2	11	17	9.4	8.9	6.2	1.2	2.0	2.7
18	3.0	3.0	9.8	7.7	9.9	8.0	10	7.4	4.3	1.2	1.5	2.6
19	3.0	3.0	7.3	9.3	19	7.3	12	6.0	3.3	1.0	1.2	2.5
20	3.0	3.0	6.8	8.2	18	6.9	9.4	5.8	3.2	1.0	1.1	2.4
21	3.0	3.0	81	33	11	89	9.4	5.9	12	.90	.90	6.7
22	2.7	3.0	15	17	14	19	9.9	5.7	8.0	.90	.83	10
23	2.7	3.0	9.8	14	13	13	11	8.2	11	.95	11	2.6
24	3.0	3.3	8.2	12	11	12	11	21	6.2	1.2	2.1	2.2
25	3.3	6.0	7.7	13	11	11	10	13	4.9	1.3	1.4	2.4
26	3.3	6.0	33	13	11	10	9.3	6.6	4.8	1.3	1.1	3.0
27	3.0	3.6	27	16	10	9.1	7.7	6.3	4.4	1.1	1.1	2.3
28	3.0	22	10	15	11	8.5	7.3	6.0	4.9	1.1	30	3.9
29	17	7.3	9.3	18	-----	8.7	7.7	5.8	5.4	1.1	15	48
30	29	4.3	12	13	-----	24	7.7	5.4	4.2	.92	10	6.7
31	8.2	-----	10	15	-----	32	-----	4.8	-----	.78	2.8	-----
TOTAL	148.1	144.4	453.6	389.7	359.9	466.7	371.9	273.8	167.5	73.75	103.53	227.2
MEAN	4.78	4.81	14.6	12.6	12.9	15.1	12.4	8.83	5.58	2.38	3.34	7.57
MAX	29	22	81	33	19	89	50	30	17	16	30	48
MIN	2.7	3.0	3.3	7.7	9.9	6.9	7.3	4.8	3.1	.78	.61	2.0
CAL YR 1973	TOTAL 4,986.90		MEAN 13.7		MAX 107		MIN 2.4					
WTR YR 1974	TOTAL 3,180.08		MEAN 8.71		MAX 89		MIN .61					

PEAK DISCHARGE (BASE, 250 CFS)

DATE	TIME	G. H.	DISCHARGE
3-21	1630	2.17	320

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 discharge only 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.--37 years (1937-74), 4.17 ft³/s (0.118 m³/s).

EXTREMES.--Current year: Maximum discharge, 173 ft³/s (4.90 m³/s) Mar. 21 (gage height, 3.97 ft (1.210 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 cfs, 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 Part 2 of this report.

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

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	.35	.21	4.9	.64	.54	2.0	.64	5.5	.21	0	0
2	0	.19	.21	.82	.59	.49	3.9	.59	1.6	.17	0	6.8
3	.02	.21	.21	4.6	.59	.49	1.1	1.4	.48	.16	.01	5.7
4	.08	.24	.31	4.7	.59	.54	4.0	.70	.41	.14	.02	7.7
5	.09	.24	2.3	.54	.54	.54	3.2	.59	.38	6.4	.02	.02
6	.08	.19	2.8	.54	.54	.49	.94	.59	.36	.24	0	.17
7	.08	.19	.31	.54	.64	.49	.76	.59	.35	.15	.04	20
8	.07	.17	.31	.54	.59	1.7	.76	.54	.35	.13	.01	.09
9	.08	.19	27	.54	.59	4.4	19	.76	.35	.09	.69	.06
10	.09	.17	.39	.54	.59	1.1	1.4	13	.31	.08	.04	.04
11	.09	.19	.35	5.4	.59	.59	1.0	.64	.29	.06	0	.02
12	.12	.19	.31	.70	.54	.59	.88	3.3	.28	.05	0	0
13	.13	.19	.44	.54	.59	.54	6.0	1.2	.25	.04	0	0
14	.12	.19	4.4	.54	.54	.54	1.0	.54	.24	.03	0	.10
15	.16	.21	.31	.59	.54	.54	1.6	.54	.23	0	0	.01
16	.14	.17	.49	.59	.54	11	.88	.49	.24	0	0	0
17	.13	.17	23	.54	.54	1.7	.88	.49	.30	0	.64	0
18	.14	.17	.44	.54	.70	.54	.88	.49	.21	0	.01	0
19	.14	.17	.39	.64	7.1	.54	.88	.44	.20	0	0	0
20	.15	.24	.44	.54	1.2	.49	.82	.44	.19	0	0	.01
21	.14	.19	36	13	.54	37	.82	.44	2.1	0	0	5.7
22	.13	.21	1.1	.88	.88	1.2	.88	.39	.36	0	0	.50
23	.15	.19	.88	.70	.54	.82	.88	.64	1.4	0	7.1	.01
24	.17	.31	.88	.64	.54	.76	.82	8.2	.26	.06	.41	0
25	.17	.31	.88	.64	.64	.70	.76	1.1	.27	.01	.02	0
26	.18	.21	17	.64	.49	.70	.76	.43	.22	0	0	0
27	.16	.27	3.3	1.1	.49	.64	.70	.40	.20	0	0	0
28	.15	6.9	.88	2.6	.49	.64	.70	.39	.25	0	13	1.7
29	19	.24	.94	1.2	-----	.70	.70	.39	.20	0	.41	9.9
30	11	.21	1.4	.64	-----	9.1	.64	.74	.19	0	3.0	.07
31	.35	-----	1.7	.59	-----	9.1	-----	1.3	-----	0	.01	-----
TOTAL	33.51	13.07	129.58	51.51	23.39	89.21	59.54	42.39	17.97	8.02	25.43	58.60
MEAN	1.08	.44	4.18	1.66	.84	2.88	1.98	1.37	.60	.26	.82	1.95
MAX	19	6.9	36	13	7.1	37	19	13	5.5	6.4	13	20
MIN	0	.17	.21	.54	.49	.49	.64	.39	.19	0	0	0
CAL YR 1973	TOTAL 920.79	MEAN 2.52	MAX 42	MIN 0								
WTR YR 1974	TOTAL 552.22	MEAN 1.51	MAX 37	MIN 0								

PEAK DISCHARGE (BASE, 125 CFS)

DATE	TIME	G. H.	DISCHARGE
10-29	2245	3.91	145
12-21	0615	3.91	150
3-21	1415	3.97	173

HUDSON RIVER BASIN

43

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.--49 years, 388 ft³/s (10.99 m³/s) (27.44 in/yr or 697.0 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,820 ft³/s (79.9 m³/s) Apr. 16 (gage height, 6.40 ft or 1.951 m); minimum, 79 ft³/s (2.24 m³/s) Oct. 29 (gage height, 1.18 ft or 0.360 m).

Period of record: Maximum discharge, 7,440 ft³/s (211 m³/s) Jan. 1, 1949 (gage height, 11.40 ft (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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	148	150	760	705	422	281	148	1,670	260	257	300	114
2	136	182	550	562	386	242	152	1,820	322	290	220	106
3	142	242	434	474	350	218	175	1,440	316	406	210	119
4	164	278	367	410	305	204	287	1,150	284	1,000	250	189
5	192	254	339	356	269	275	952	1,080	251	970	300	220
6	312	223	771	316	235	922	1,880	850	223	716	250	180
7	367	194	1,290	290	218	1,450	1,850	820	196	530	210	152
8	302	168	1,010	263	208	1,560	1,370	820	175	402	190	132
9	245	154	721	251	196	1,540	994	743	160	299	160	124
10	204	138	749	237	184	1,220	732	904	148	254	150	114
11	172	125	815	225	177	880	579	1,220	152	230	140	103
12	152	119	680	213	168	665	530	1,090	166	201	140	101
13	138	112	530	211	160	534	522	1,610	166	168	130	111
14	128	109	478	199	152	430	695	2,040	154	148	130	120
15	125	122	410	180	146	360	1,820	1,650	144	177	120	124
16	120	278	339	170	136	316	2,720	1,340	138	220	110	117
17	117	602	299	170	130	293	2,140	1,130	194	196	110	100
18	112	570	260	160	128	263	1,690	1,140	394	162	100	101
19	111	450	230	150	120	242	1,520	970	406	175	230	100
20	108	350	225	150	120	228	1,360	738	309	266	218	98
21	104	278	378	170	120	216	1,220	584	248	275	192	110
22	101	269	1,010	190	162	208	1,280	494	218	230	160	199
23	100	281	1,160	309	235	201	1,850	450	194	200	142	281
24	96	272	928	382	442	190	2,440	502	170	180	127	257
25	93	299	695	434	534	180	1,960	506	160	170	114	220
26	92	438	624	410	486	170	1,370	458	160	160	104	200
27	90	430	1,040	382	406	160	1,020	398	206	150	96	190
28	85	454	1,650	514	333	150	844	356	220	160	95	180
29	82	832	1,600	651	-----	148	1,050	322	194	210	98	180
30	95	1,020	1,240	588	-----	144	1,500	290	170	230	110	210
31	127	-----	922	498	-----	146	-----	263	-----	270	108	-----
TOTAL	4,560	9,393	22,504	10,220	6,928	14,036	36,650	28,848	6,498	9,302	5,014	4,552
MEAN	147	313	726	330	247	453	1,222	931	217	300	162	152
MAX	367	1,020	1,650	705	534	1,560	2,720	2,040	406	1,000	300	281
MIN	82	109	225	150	120	144	148	263	138	148	95	98
CFSM	.77	1.63	3.78	1.72	1.29	2.36	6.36	4.85	1.13	1.56	.84	.79
IN.	.88	1.82	4.36	1.98	1.34	2.72	7.10	5.59	1.26	1.80	.97	.88

CAL YR 1973 TOTAL 179,094 MEAN 491 MAX 3,300 MIN 50 CFSM 2.56 IN 34.70
WTR YR 1974 TOTAL 158,505 MEAN 434 MAX 2,720 MIN 82 CFSM 2.26 IN 30.71

PEAK DISCHARGE (BASE, 2,500 CFS)

DATE	TIME	G. H.	DISCHARGE
04-16	0900	6.40	2,820
04-19	0900	6.00	2,520

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, 34.5 ft (10.52 m) May 18 (contents, 4,890 mil ft³ (138 hm³)); minimum observed, 16.5 ft (5.03 m) Apr. 1-3 (contents, 1,871 mil ft³ (53.0 hm³)).

Period of record: Maximum gage height observed, 38.8 ft (11.83 m) Mar. 28, 1913 (contents, 5,781 mil ft³ (164 hm³)); minimum, -1.10 ft (-0.335 m), estimated, Feb. 13, 1948 (contents, 199 mil ft³ (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)

13.0	1.367	25.0	3.206
14.5	1.580	30.0	4.053
20.0	2.403	35.5	5.091

GAGE HEIGHT, IN FEET, AT 0630, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25.80	24.00	25.80	31.30	23.10	18.30	16.50	30.40	33.80	34.40	33.00	31.30
2	25.70	24.20	25.70	31.10	22.80	18.20	16.50	30.60	33.80	34.40	33.00	31.40
3	25.60	24.30	25.90	30.80	22.60	18.10	16.50	30.80	33.70	34.40	32.60	31.40
4	25.50	24.00	25.90	30.50	22.30	18.10	16.80	31.00	33.70	34.40	32.80	31.60
5	25.40	24.40	26.10	30.20	22.00	18.10	17.50	31.00	33.60	34.40	32.90	31.60
6	25.30	24.50	26.40	29.80	21.80	18.50	18.40	31.20	33.50	34.20	33.00	31.70
7	25.00	24.50	27.00	29.50	21.50	18.90	19.10	31.50	33.60	34.20	33.00	31.40
8	25.00	24.60	27.00	29.30	21.20	19.30	19.50	31.70	33.60	34.10	33.00	31.20
9	25.00	24.60	26.80	28.90	21.00	19.60	19.80	31.90	33.60	34.00	33.00	31.20
10	25.00	24.40	27.20	28.60	20.70	19.70	20.10	32.30	33.70	34.00	32.70	31.30
11	25.00	24.20	27.50	28.30	20.40	19.60	20.30	32.70	33.70	34.00	32.60	31.30
12	25.00	24.30	27.70	27.90	20.20	19.40	20.50	33.10	33.80	34.00	32.50	31.30
13	24.80	24.30	27.90	27.50	19.80	19.20	20.80	33.70	33.80	34.00	32.50	31.40
14	24.60	24.40	28.00	27.10	19.60	19.00	21.20	34.30	33.80	34.00	32.50	31.30
15	24.60	24.40	27.80	26.90	19.30	18.70	22.40	34.40	33.80	34.00	32.40	31.10
16	24.70	24.60	27.60	26.60	19.10	18.50	23.70	34.40	33.80	33.90	32.40	31.10
17	24.70	24.60	27.70	26.20	18.80	18.30	24.40	34.40	34.00	33.80	32.10	31.10
18	24.70	24.50	27.90	25.90	18.50	18.10	25.00	34.50	34.00	33.80	32.00	31.20
19	24.80	24.80	27.90	25.50	18.20	17.90	25.50	34.40	34.00	33.70	32.00	31.20
20	24.40	24.90	28.00	25.00	17.90	17.60	26.10	34.40	34.00	33.50	32.00	31.20
21	24.10	25.00	28.40	24.70	17.70	17.60	26.60	34.30	34.10	33.20	32.10	31.00
22	24.20	25.10	28.70	24.70	17.60	17.50	26.90	34.20	34.20	33.20	32.10	30.80
23	24.20	25.20	28.90	24.50	17.70	17.40	27.60	34.20	34.20	33.10	32.10	30.90
24	24.20	24.90	29.20	24.30	18.20	17.10	28.30	34.20	34.10	33.00	31.80	31.00
25	24.20	24.60	29.30	24.00	18.30	16.80	28.80	34.10	34.20	33.00	31.60	31.10
26	24.30	24.80	29.60	23.90	18.40	16.70	29.10	34.00	34.30	32.90	31.60	31.10
27	24.00	25.00	30.20	23.70	18.40	16.60	29.40	34.00	34.30	32.80	31.60	31.20
28	23.60	25.20	30.90	23.60	18.40	16.60	29.70	33.90	34.40	32.70	31.60	30.90
29	23.60	25.60	31.30	23.60	-----	16.60	29.80	33.90	34.40	32.70	31.60	30.70
30	23.60	26.00	31.40	23.50	-----	16.60	30.10	33.90	34.40	32.90	31.80	30.80
31	23.80	-----	31.50	23.30	-----	16.60	-----	33.80	-----	33.00	31.50	-----
MEAN	24.66	24.66	28.10	26.80	19.84	18.04	23.23	33.14	33.93	33.67	32.31	31.19
MAX	25.80	26.00	31.50	31.30	23.10	19.70	30.10	34.50	34.40	34.40	33.00	31.70
MIN	23.60	24.00	25.70	23.30	17.60	16.60	16.50	30.40	33.50	32.70	31.50	30.70
(†)	3.026	3.356	4.297	2.912	2.142	1.871	4.305	4.751	4.870	4.594	4.297	4.227
(#)	-117	-127	+351	-517	-318	-101	+862	+241	+45.9	-103	-111	-27.0

CAL YR 1973 MEAN 26.73 MAX 35.30 MIN 13.00 † +48.0

WTR YR 1974 MEAN 27.52 MAX 34.50 MIN 16.50 † -28.1

† Contents, in billions of cubic feet, at 2400 on last day of month, by interpolation.

Change in contents, equivalent in cubic feet per second.

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.--60 years (1912-13, 1915-74) 289 ft³/s (8.184 m³/s) (unadjusted).

EXTREMES.--Current year: Maximum discharge recorded, 920 ft³/s (26.1 m³/s) Jan. 4 (gage height, 3.80 ft (1.158 m)) but may have been greater during period of no gage-height record Dec. 4 to Jan. 4; minimum recorded, 8.6 ft³/s (0.24 m³/s) Oct. 23, 25, 30, May 2 (gage height, 0.47 ft (0.143 m)), but may have been less during periods of no gage-height record Dec. 4 to Jan. 4, Aug. 30 to Sept. 25.

Period of record: Maximum discharge, 3,460 ft³/s (98.0 m³/s) Mar. 28, 1913 (gage height, 7.8 ft (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 except during period of no gage-height record, which are poor. Flow regulated by Indian Lake (see station 01314500).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	203	11	701	940	776	387	216	11	275	118	114	600
2	198	172	235	940	772	387	188	9.1	269	109	404	150
3	198	511	10	920	772	384	112	24	266	218	557	14
4	196	148	10	920	764	384	18	341	260	364	306	14
5	439	11	10	907	759	401	19	221	255	348	112	13
6	530	11	11	902	755	397	13	16	146	328	112	13
7	300	11	11	898	746	404	12	17	19	312	112	420
8	129	11	480	893	742	443	12	14	21	297	112	600
9	20	394	700	889	738	697	11	15	22	133	401	190
10	20	592	240	884	730	697	10	16	24	53	553	14
11	20	181	11	875	726	693	11	14	30	51	275	14
12	374	11	11	871	717	689	12	19	34	50	105	14
13	523	11	10	866	709	681	14	42	37	50	105	14
14	155	11	10	862	697	676	19	450	39	49	105	440
15	9.6	13	440	853	689	668	22	615	41	104	107	600
16	10	500	580	848	681	664	14	576	43	281	439	200
17	10	751	230	844	672	660	14	568	55	272	611	14
18	10	237	10	835	664	652	14	557	61	263	288	13
19	511	11	10	826	592	648	12	561	61	457	72	13
20	730	11	10	821	381	357	12	564	64	557	15	12
21	240	11	10	817	381	297	12	408	67	367	15	540
22	9.1	11	600	812	394	627	12	394	72	249	15	700
23	9.1	511	900	808	394	619	13	394	72	249	401	270
24	9.1	772	270	803	387	615	11	394	71	186	611	14
25	9.1	291	17	799	390	436	11	381	80	112	227	14
26	530	12	17	794	390	229	10	371	89	316	12	13
27	734	13	16	794	390	227	10	361	99	422	13	464
28	275	15	16	790	390	227	9.6	344	104	232	12	705
29	9.6	14	110	790	-----	227	10	285	109	114	13	257
30	12	460	110	785	-----	227	10	278	114	114	380	12
31	10	-----	250	785	-----	224	-----	278	-----	114	450	-----
TOTAL	6,432.6	5,719	6,046	26,371	17,198	14,924	863.6	8,538.1	2,899	6,889	7,054	6,351
MEAN	208	191	195	851	614	481	28.8	275	96.6	222	228	212
MAX	734	772	900	940	776	697	216	615	275	557	611	705
MIN	9.1	11	10	785	381	224	9.6	9.1	19	49	12	12

CAL YR 1973 TOTAL 122,184.6 MEAN 335 MAX 1,360 MIN 9.1
WTR YR 1974 TOTAL 109,285.3 MEAN 299 MAX 940 MIN 9.1

NOTE: No gage-height record Dec. 4 to Jan. 4.

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.--67 years, 1,531 ft³/s (43.36 m³/s).

EXTREMES.--Current year: Maximum discharge, 11,400 ft³/s (323 m³/s) Apr. 14 (gage height, 8.41 ft (2.563 m)); minimum, 262 ft³/s (7.42 m³/s) Aug. 29 (gage height, 2.37 ft (0.722 m)); minimum daily, 272 ft³/s (7.70 m³/s) Aug. 28.

Period of record: Maximum discharge, 28,900 ft³/s (818 m³/s) Dec. 31, 1948 (gage height, 12.14 ft (3.700 m)); minimum, 112 ft³/s (3.17 m³/s) July 26, 1934 (gage height, 1.96 ft (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 poor. 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	519	716	2,950	3,100	2,100	1,500	780	3,870	1,290	1,270	869	809
2	476	919	2,260	2,860	1,800	1,430	820	4,010	1,230	1,460	851	375
3	519	1,600	1,460	2,610	1,600	1,280	926	3,480	1,220	2,270	1,110	367
4	622	1,440	1,250	2,420	1,400	1,240	1,440	3,250	1,110	3,790	1,020	747
5	760	974	1,200	2,190	1,300	1,640	4,000	2,980	985	3,280	926	822
6	1,120	818	2,510	2,000	1,200	3,950	6,850	2,520	1,020	2,650	1,080	759
7	1,130	702	3,680	1,900	1,100	5,210	6,010	2,740	738	2,030	937	1,140
8	693	625	3,540	1,790	1,100	6,020	3,730	2,830	542	1,510	768	869
9	653	643	2,810	1,690	1,000	5,660	2,600	2,630	507	1,190	678	479
10	532	1,050	3,060	1,600	1,000	4,640	2,220	3,200	493	910	1,000	395
11	438	876	3,100	1,500	980	3,690	2,140	3,750	600	754	882	367
12	427	489	2,570	1,400	940	3,120	2,170	3,530	672	647	439	302
13	816	437	2,050	1,300	900	2,580	2,990	6,150	640	556	394	386
14	680	419	1,800	1,200	900	2,100	8,260	6,570	587	488	383	909
15	320	472	1,600	1,100	880	1,800	9,780	5,280	545	454	357	847
16	314	1,540	1,300	1,000	860	1,500	6,890	4,250	622	540	370	421
17	311	2,980	1,150	1,000	820	1,300	5,970	3,940	1,060	665	761	351
18	320	2,410	1,020	980	800	1,200	5,210	3,900	1,280	638	1,010	367
19	396	1,560	823	1,000	800	1,100	4,860	3,440	1,140	627	754	344
20	1,010	1,240	824	1,100	740	980	4,040	2,930	910	1,120	648	437
21	865	1,100	2,630	1,400	700	960	3,940	2,340	837	1,030	553	975
22	359	940	5,510	1,800	1,000	1,100	5,250	2,110	822	537	448	1,050
23	333	1,050	4,980	2,150	2,170	1,200	6,400	1,940	700	599	420	864
24	318	1,650	3,600	2,370	2,440	1,200	5,880	1,780	680	710	823	771
25	307	1,610	2,600	2,430	2,470	1,000	4,380	1,820	700	428	703	645
26	300	1,230	2,410	2,300	2,290	900	3,130	1,710	890	536	355	579
27	931	1,260	4,110	2,260	1,970	800	2,710	1,520	1,220	910	312	627
28	956	1,470	6,210	2,880	1,730	780	2,480	1,570	1,190	579	272	1,200
29	290	2,290	5,690	3,060	-----	760	3,020	1,520	985	601	321	1,040
30	413	2,950	4,330	2,860	-----	760	3,460	1,310	838	767	330	751
31	605	-----	3,500	2,500	-----	760	-----	1,100	-----	925	872	-----
TOTAL	17,733	37,460	86,527	59,750	36,990	62,160	122,336	93,970	26,053	34,471	20,646	19,995
MEAN	572	1,249	2,791	1,927	1,321	2,005	4,078	3,031	868	1,112	666	667
MAX	1,130	2,980	6,210	3,100	2,470	6,020	9,780	6,570	1,290	3,790	1,110	1,200
MIN	290	419	823	980	700	760	780	1,100	493	428	272	302
CAL YR 1973	TOTAL 733,280		MEAN 2,009		MAX 13,800		MIN 290					
WTR YR 1974	TOTAL 618,091		MEAN 1,693		MAX 9,780		MIN 272					

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.--53 years, 2,850 ft³/s (80.71 m³/s).

EXTREMES.--Current year: Maximum discharge, 16,900 ft³/s (479 m³/s) Apr. 15 (gage height, 10.61 ft (3.234 m)); minimum, 500 ft³/s (14.2 m³/s) Aug. 29 (gage height, 1.60 ft (0.488 m)); minimum daily, 525 ft³/s (14.9 m³/s) Aug. 28.

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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,160	1,430	4,250	7,520	4,840	3,200	2,150	6,280	2,790	1,980	1,450	1,350
2	958	1,470	3,690	6,700	4,060	3,040	2,290	6,490	2,720	2,500	1,310	1,070
3	977	1,830	2,620	6,160	3,840	2,800	2,490	6,150	2,600	2,860	1,430	803
4	1,030	2,190	2,320	5,650	3,820	2,770	4,550	5,740	2,610	5,040	1,570	1,250
5	1,110	1,810	2,250	5,300	3,400	3,590	9,350	5,410	2,320	5,040	1,520	1,470
6	1,350	1,510	3,300	4,660	3,130	6,740	11,200	4,980	2,260	4,440	1,560	1,330
7	1,560	1,360	4,880	4,420	2,950	8,690	9,890	5,310	2,100	3,700	1,520	1,380
8	1,370	1,240	5,230	4,040	2,830	10,300	9,070	5,490	1,770	3,030	1,350	1,500
9	1,130	1,160	4,660	3,360	2,800	9,400	7,330	5,220	1,580	2,540	1,180	1,150
10	1,010	1,260	5,470	3,340	2,760	8,260	6,360	5,860	1,470	2,190	1,210	793
11	888	1,500	5,650	3,470	2,570	7,240	5,790	6,810	1,500	1,880	1,360	704
12	783	1,260	4,980	3,000	2,650	6,310	5,630	6,840	1,630	1,680	1,190	655
13	863	975	4,180	2,760	2,520	5,960	5,690	11,300	1,610	1,520	759	872
14	1,180	918	4,160	2,770	2,590	5,310	7,080	11,600	1,530	1,370	740	1,200
15	938	922	4,730	3,220	2,390	4,770	13,900	10,500	1,440	1,290	700	1,470
16	625	1,450	4,220	3,240	2,160	4,190	15,300	8,990	1,440	1,160	653	1,170
17	605	3,470	3,050	2,810	2,180	4,330	12,400	8,260	2,240	1,190	728	792
18	598	3,690	2,670	2,390	2,320	4,000	11,300	8,000	2,760	1,220	1,250	742
19	618	2,620	1,790	2,660	2,120	3,670	10,300	7,240	2,660	1,190	1,290	705
20	842	2,140	2,120	2,690	1,940	3,090	9,590	6,380	2,400	1,320	1,110	696
21	1,400	1,840	8,600	2,610	1,880	2,940	8,430	5,670	2,150	1,610	979	976
22	1,010	1,720	11,200	3,220	1,950	2,720	8,000	4,780	2,190	1,330	867	1,660
23	655	1,690	9,520	3,850	3,870	3,090	9,290	4,580	2,090	1,020	752	1,590
24	669	2,040	7,860	4,110	4,610	3,240	10,300	4,300	1,900	1,100	788	1,390
25	753	2,410	6,410	4,190	4,360	2,960	9,610	4,200	1,840	1,060	1,130	1,240
26	736	2,150	6,140	4,110	4,100	2,630	7,880	3,990	2,090	827	907	1,140
27	843	2,010	8,940	3,980	3,840	2,320	6,360	3,690	2,670	1,070	604	1,070
28	1,520	2,250	11,500	5,080	3,410	2,130	5,690	3,510	2,750	1,270	525	1,320
29	1,130	3,050	10,900	5,510	-----	2,070	5,270	3,460	2,390	983	545	1,780
30	923	3,770	9,640	5,280	-----	2,100	5,700	3,200	2,130	1,470	830	1,680
31	1,410	-----	7,950	4,970	-----	2,090	-----	2,800	-----	1,490	908	-----
TOTAL	30,644	57,135	174,880	127,070	85,890	135,950	238,190	187,030	63,630	60,370	32,715	34,948
MEAN	989	1,905	5,641	4,099	3,068	4,385	7,940	6,033	2,121	1,947	1,055	1,165
MAX	1,560	3,770	11,500	7,520	4,840	10,300	15,300	11,600	2,790	5,040	1,570	1,780
MIN	598	918	1,790	2,390	1,880	2,070	2,150	2,800	1,440	827	525	655

CAL YR 1973 TOTAL 1,431,793 MEAN 3,923 MAX 23,300 MIN 598
WTR YR 1974 TOTAL 1,228,452 MEAN 3,366 MAX 15,300 MIN 525

PEAK DISCHARGE (BASE, 15,000 CFS)

DATE	TIME	G. H.	DISCHARGE
04-15	2100	10.61	16,900

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.--41 years, 211 ft³/s (5.976 m³/s) (25.13 in/yr (638.3 mm/yr)).

EXTREMES.--Current year: Maximum discharge, 3,660 ft³/s (104 m³/s) Apr. 15 (gage height, 8.95 ft (2.728 m)); minimum, 9.9 ft³/s (0.28 m³/s) Aug. 27 (gage height, 0.85 ft (0.259 m)).

Period of record: Maximum discharge, 10,700 ft³/s (303 m³/s) Dec. 31, 1948 (gage height, 14.35 ft (4.374 m), from floodmark), 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 (0.091 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 1111: 1936(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	238	301	250	220	194	105	274	144	123	69	70
2	29	267	200	200	190	167	140	250	129	98	48	54
3	38	230	160	180	160	150	250	230	112	167	38	60
4	50	191	150	160	140	148	900	283	104	196	159	165
5	49	150	250	150	130	500	1,700	250	90	147	162	113
6	63	124	638	140	110	1,100	1,290	248	80	124	99	78
7	64	106	472	130	98	1,010	660	486	69	94	66	57
8	48	94	332	130	90	1,210	470	443	58	75	49	45
9	41	86	305	130	84	721	380	384	54	58	39	36
10	37	62	977	120	80	483	320	694	62	61	32	30
11	33	56	671	120	76	346	329	667	115	52	26	25
12	31	56	443	110	74	287	394	652	100	40	21	24
13	31	56	280	100	72	220	510	2,010	83	34	18	236
14	33	58	300	94	70	180	1,160	1,020	66	29	16	174
15	38	74	260	88	68	160	2,800	621	55	29	15	107
16	41	519	170	82	64	150	1,350	443	54	25	13	76
17	45	495	140	78	62	140	954	466	226	22	17	55
18	45	325	130	74	62	130	936	429	230	20	36	54
19	47	232	130	70	62	120	824	334	156	25	27	52
20	49	160	130	64	64	120	638	272	117	31	26	46
21	49	130	1,200	64	66	110	556	232	107	23	25	82
22	45	138	800	120	200	110	638	207	150	19	19	184
23	42	132	500	390	700	110	850	189	134	16	16	139
24	40	123	300	424	600	110	642	187	99	17	14	106
25	37	179	250	303	500	110	474	218	108	20	12	89
26	36	187	400	230	340	100	379	187	202	21	11	103
27	35	180	1,570	358	299	98	317	174	346	23	10	94
28	32	460	1,340	642	228	92	283	182	278	42	14	83
29	31	591	837	457	-----	86	274	169	191	49	29	111
30	141	416	553	310	-----	84	267	157	156	203	138	175
31	287	-----	330	260	-----	90	-----	138	-----	112	87	-----
TOTAL	1,618	6,115	14,519	6,028	4,909	8,636	20,790	12,496	3,875	1,995	1,351	2,723
MEAN	52.2	204	468	194	175	279	693	403	129	64.4	43.6	90.8
MAX	287	591	1,570	642	700	1,210	2,800	2,010	346	203	162	236
MIN	29	56	130	64	62	84	105	138	54	16	10	24
CFSM	.46	1.79	4.11	1.70	1.54	2.45	6.08	3.54	1.13	.56	.38	.80
IN.	.53	2.00	4.74	1.97	1.60	2.82	6.78	4.08	1.26	.65	.44	.89

CAL YR 1973 TOTAL 103,598.1 MEAN 284 MAX 3,040 MIN 7.8 CFSM 2.49 IN 33.81
WTR YR 1974 TOTAL 85,055.0 MEAN 233 MAX 2,800 MIN 10 CFSM 2.04 IN 27.75

PEAK DISCHARGE (BASE, 2,700 CFS)

DATE	TIME	G. H.	DISCHARGE
4-15	05000	8.95	3,660

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.--63 years, 1,086 ft³/s (30.76 m³/s).

EXTREMES.--Current year: Maximum discharge, 11,100 ft³/s (314 m³/s) Apr. 15 (gage height, 7.09 ft (2.161 m)); minimum, 116 ft³/s (3.29 m³/s) July 19 (gage height, 1.57 ft (0.479 m)); minimum daily, 123 ft³/s (3.48 m³/s) Aug. 26.

Period of record: Maximum discharge, 32,000 ft³/s (906 m³/s) Mar. 27, 1913 (gage height, 11.0 ft (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 (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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	192	755	1,650	2,030	1,430	1,130	608	1,620	742	556	453	452
2	188	937	1,330	1,730	1,270	1,010	680	1,550	697	490	404	379
3	226	1,280	1,160	1,510	1,140	904	1,180	1,410	615	707	346	609
4	261	937	1,040	1,310	1,000	879	3,550	1,590	564	924	467	967
5	274	757	1,320	1,130	959	2,210	6,540	1,490	512	851	720	686
6	287	666	3,150	952	891	3,830	4,690	1,370	456	724	414	508
7	273	454	2,420	977	774	3,570	3,380	1,880	409	577	339	451
8	245	417	1,820	811	731	3,840	3,010	1,890	371	481	277	369
9	227	390	1,870	700	671	3,070	2,670	1,730	339	369	239	317
10	211	357	3,450	660	644	2,330	2,210	2,450	324	400	215	285
11	196	335	2,720	720	601	1,500	1,710	2,310	549	363	196	221
12	188	320	1,950	640	578	1,300	1,920	2,730	558	306	170	213
13	181	310	1,500	600	551	1,100	2,400	6,100	484	227	155	885
14	192	303	1,500	580	517	1,000	4,230	3,610	421	172	155	904
15	195	320	1,000	620	487	960	9,440	2,560	375	164	143	626
16	196	1,650	700	560	474	1,010	6,090	2,320	366	176	132	544
17	206	1,840	640	520	454	1,140	5,020	2,310	680	153	139	503
18	207	1,310	600	480	441	1,020	4,670	2,090	738	129	188	504
19	220	1,070	640	450	443	937	4,240	1,730	584	139	174	463
20	235	972	800	440	433	846	3,770	1,400	511	160	160	399
21	238	733	5,510	450	433	758	3,430	1,280	474	160	170	436
22	463	766	4,310	480	711	730	3,440	1,120	612	132	167	721
23	395	737	2,920	900	2,020	744	4,030	991	510	125	156	656
24	224	686	1,970	1,400	2,290	791	3,660	1,000	395	135	147	543
25	197	1,000	1,680	1,200	1,970	705	3,080	1,090	395	149	133	506
26	222	1,130	2,900	1,100	1,640	672	2,560	958	532	146	123	527
27	191	1,090	7,010	1,400	1,340	641	2,230	894	1,120	157	124	495
28	166	2,160	5,840	2,500	1,230	617	1,970	879	716	236	135	452
29	306	2,520	4,320	2,030	-----	591	1,780	820	674	288	191	540
30	620	1,960	3,260	1,600	-----	585	1,510	776	730	1,060	703	759
31	766	-----	2,490	1,450	-----	592	-----	729	-----	712	481	-----
TOTAL	8,188	28,162	73,470	31,930	26,123	41,012	99,698	54,677	16,453	11,368	8,016	15,920
MEAN	264	939	2,370	1,030	933	1,323	3,323	1,764	548	367	259	531
MAX	766	2,520	7,010	2,500	2,290	3,840	9,440	6,100	1,120	1,060	720	967
MIN	166	303	600	440	433	585	608	729	324	125	123	213

CAL YR 1973 TOTAL 501,109 MEAN 1,373 MAX 10,500 MIN 85
WTR YR 1974 TOTAL 415,017 MEAN 1,137 MAX 9,440 MIN 123

PEAK DISCHARGE (BASE, 9,100 CFS)

DATE	TIME	G. H.	DISCHARGE
04-15	0600	7.09	11,100

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, 769.44 ft (234.525 m) May 15 (contents, 35,910 mil ft³ (1,017 hm³)); minimum, 745.85 ft (227.335 m) Mar. 5 (contents, 12,340 mil ft³ (349.5 hm³)).

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

745	11.64	765	30.94
750	15.94	770	35.56
755	20.61	775	42.46
760	25.61		

ELEVATION, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	754.65	751.00	750.46	759.62	754.43	746.80	753.07	767.03	767.66	766.36	763.34	758.92
2	754.49	750.99	750.57	759.56	754.23	746.52	753.22	767.10	767.62	766.26	763.18	758.98
3	754.34	750.98	750.68	759.44	754.01	746.24	753.48	767.14	767.64	766.30	763.04	758.98
4	754.19	750.99	750.64	759.32	753.77	745.98	754.00	767.25	767.54	766.36	762.98	758.98
5	754.08	751.02	750.65	759.14	753.53	745.87	755.18	767.38	767.42	766.39	762.98	758.91
6	753.95	750.94	750.96	758.95	753.23	746.14	756.28	767.54	767.28	766.36	762.81	758.78
7	753.86	750.81	751.30	758.75	752.92	746.70	756.98	767.68	767.15	766.36	762.64	758.64
8	753.82	750.68	751.45	758.56	752.63	747.31	757.50	767.82	767.00	766.36	762.48	758.57
9	753.66	750.54	751.64	758.31	752.32	747.98	758.03	767.90	766.92	766.25	762.28	758.52
10	753.50	750.40	752.20	758.07	751.92	748.52	758.48	768.00	766.91	766.14	762.09	758.35
11	753.35	750.33	752.62	757.86	751.65	748.88	758.81	768.14	766.84	766.02	761.99	758.17
12	753.19	750.30	752.82	757.65	751.30	749.17	759.13	768.29	766.74	765.88	761.92	757.99
13	753.04	750.15	752.92	757.40	750.94	749.43	759.53	768.93	766.64	765.76	761.73	757.95
14	752.95	750.00	753.04	757.15	750.57	749.63	760.10	769.36	766.54	765.68	761.53	758.00
15	752.81	749.84	753.19	756.90	750.22	749.82	761.39	769.42	766.46	765.64	761.34	758.02
16	752.68	749.84	753.31	756.62	749.84	750.05	762.56	769.37	766.43	765.43	761.15	758.02
17	752.55	749.98	753.45	756.36	749.47	750.50	763.33	769.30	766.59	765.25	760.96	757.87
18	752.42	750.06	753.56	756.11	749.08	750.78	763.98	769.21	766.65	765.06	760.90	757.73
19	752.29	750.14	753.40	755.84	748.70	751.00	764.55	769.06	766.63	764.88	760.83	757.58
20	752.16	750.08	753.30	755.56	748.35	751.18	765.07	768.90	766.58	764.68	760.62	757.45
21	752.03	750.00	753.82	755.31	747.96	751.39	765.51	768.67	766.52	764.57	760.44	757.35
22	751.99	749.91	754.93	755.17	747.64	751.60	765.89	768.43	766.48	764.50	760.25	757.39
23	751.86	749.82	755.44	755.07	747.67	751.73	766.16	768.17	766.46	764.30	760.06	757.43
24	751.73	749.74	755.82	755.02	747.62	751.95	766.36	768.04	766.46	764.14	759.87	757.28
25	751.56	749.78	756.03	754.94	747.55	752.10	766.54	768.00	766.41	763.95	759.72	757.15
26	751.41	749.92	756.49	754.80	747.45	752.24	766.64	768.02	766.38	763.78	759.66	757.02
27	751.22	749.92	757.62	754.70	747.26	752.37	766.69	768.06	766.37	763.62	759.49	756.87
28	751.13	750.00	758.67	754.71	747.02	752.48	766.78	768.00	766.37	763.53	759.30	756.74
29	751.10	750.21	759.17	754.76	-----	752.58	766.96	767.92	766.34	763.51	759.14	756.76
30	751.04	750.42	759.48	754.75	-----	752.72	766.98	767.84	766.34	763.51	759.08	756.94
31	751.02	-----	759.55	754.63	-----	752.88	-----	767.75	-----	763.46	758.98	-----
MEAN	752.71	750.29	753.84	756.81	750.47	749.76	761.31	768.18	766.78	765.17	761.19	757.91
MAX	754.65	751.02	759.55	759.62	754.43	752.88	766.98	769.42	767.66	766.39	763.34	758.98
MIN	751.02	749.74	750.46	754.63	747.02	745.87	753.07	767.03	766.34	763.46	758.98	756.74
(+)	16.85	16.35	25.16	20.13	13.25	18.69	33.13	33.90	32.49	29.20	24.48	22.49
(#)	-1299	-193	+3289	-1878	-2844	+2031	+5571	=287	-544	-1228	-1762	-768

CAL YR 1973 MEAN 758.60 MAX 770.42 MIN 746.51 # +92.3
WTR YR 1974 MEAN 757.92 MAX 769.42 MIN 745.87 # +68.5

+ 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.--67 years, 2,110 ft³/s (59.76 m³/s) (adjusted for storage since 1930).

EXTREMES.--Current year: Maximum discharge, 5,730 ft³/s (162 m³/s) May 16 (gage height, 6.28 ft (1.914 m)); minimum, 7.5 ft³/s (0.21 m³/s) Mar. 24; minimum daily, 8.2 ft³/s (0.23 m³/s) Mar. 13-15, 21-24.
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. 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. Water quality records published in Part 2 of this report for station 01325005 at Hadley, 1.3 mi (2.1 km) downstream.

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.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,070	2,010	2,030	4,080	5,010	4,610	26	2,010	2,570	2,080	2,770	40
2	2,100	2,040	51	4,120	4,990	4,600	25	2,050	46	1,960	2,510	32
3	2,270	2,060	2,040	4,150	5,050	4,580	25	2,040	2,540	2,120	2,480	2,530
4	2,070	42	2,100	4,080	4,930	4,560	32	2,020	2,530	2,070	43	2,520
5	2,080	2,030	2,090	4,110	4,470	4,680	35	46	2,540	2,040	2,480	2,540
6	2,060	2,060	2,090	4,130	5,020	4,130	28	2,030	2,500	2,060	2,520	2,540
7	45	2,060	2,080	4,080	4,900	2,150	26	2,090	2,520	40	2,490	2,560
8	2,070	2,030	2,060	4,100	4,920	2,510	26	2,050	2,550	2,020	2,510	46
9	2,020	2,030	54	4,130	4,880	893	27	2,940	44	2,030	2,520	2,500
10	2,060	2,030	2,020	4,170	4,930	11	25	3,020	2,020	2,050	2,520	2,520
11	2,030	45	2,060	4,110	4,870	9.0	25	3,070	2,120	2,010	46	2,550
12	2,050	1,980	2,050	4,080	4,820	9.0	26	3,040	2,080	2,000	2,520	2,570
13	2,020	2,090	2,060	4,100	4,750	8.2	26	3,820	2,080	2,030	2,520	2,610
14	45	2,030	2,030	4,090	4,860	8.2	29	5,440	2,050	41	2,530	2,580
15	2,030	2,040	2,070	4,080	4,800	8.2	32	5,230	2,030	2,500	2,530	45
16	2,040	2,040	51	4,100	4,800	10	30	5,340	47	2,540	2,480	2,520
17	2,050	2,100	2,050	4,340	4,760	12	31	5,290	2,080	2,530	2,550	2,570
18	2,060	113	2,060	3,990	4,720	9.0	24	5,270	2,020	2,520	42	2,580
19	2,030	2,010	2,550	4,080	4,700	9.0	23	5,030	2,000	2,550	2,470	2,560
20	2,060	2,220	2,540	4,110	4,720	9.0	23	5,250	2,030	2,570	2,520	2,520
21	44	2,080	2,590	4,080	4,700	8.2	22	5,390	2,050	77	2,490	2,560
22	2,020	2,060	2,540	4,110	4,730	8.2	1,920	5,460	2,080	2,470	2,500	46
23	2,090	2,170	50	4,110	4,760	8.2	3,010	5,310	43	2,540	2,510	2,510
24	2,010	2,060	1,540	4,090	4,700	8.2	3,030	2,550	1,990	2,620	2,490	2,510
25	2,080	52	27	4,080	4,630	9.8	3,000	2,540	2,030	2,540	43	2,550
26	2,010	2,020	32	4,120	4,630	9.8	3,040	48	2,040	2,550	2,510	2,530
27	2,050	2,020	1,940	4,110	4,580	9.8	3,020	2,480	2,050	2,540	2,530	2,550
28	43	2,020	4,070	4,900	4,640	53	183	2,540	2,040	46	2,510	2,560
29	2,030	2,060	4,080	4,920	-----	44	2,030	2,550	2,090	2,470	2,500	47
30	2,060	2,000	3,770	5,030	-----	24	2,050	2,570	42	2,560	2,470	2,560
31	2,100	-----	4,090	5,040	-----	23	-----	2,590	-----	2,500	2,510	-----
TOTAL	55,797	53,602	60,865	130,820	134,270	33,021.8	21,849	101,104	54,852	62,674	68,114	61,356
MEAN	1,800	1,787	1,963	4,220	4,795	1,065	728	3,261	1,828	2,022	2,197	2,045
MAX	2,270	2,220	4,090	5,040	5,050	4,680	3,040	5,460	2,570	2,620	2,770	2,610
MIN	43	42	27	3,990	4,470	8.2	22	46	42	40	42	32

CAL YR 1973 TOTAL 994,746.0 MEAN 2,725 MAX 8,310 MIN 11
WTR YR 1974 TOTAL 838,324.8 MEAN 2,297 MAX 5,460 MIN 8.2

Observed

Adjusted

CAL YR 1973 TOTAL 994,746.0 MEAN 2,725 MAX 8,310 MIN 11 MEAN 2,817 CFSM 2.67 IN 36.25
WTR YR 1974 TOTAL 838,324.8 MEAN 2,297 MAX 5,460 MIN 8.2 MEAN 2,365 CFSM 2.24 IN 30.43

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 June 27 to Aug. 22, 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 rediverted into Lake Champlain basin; the remainder returns to the Hudson River in southbound lockages.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	119	75	100			-	90	94	67	84	100	107
2	100	89	95			-	100	92	33	100	96	101
3	78	95	80			-	37	96	74	130	88	94
4	75	106	73			-	63	89	142	94	88	109
5	93	102	86			-	116	79	103	86	90	86
6	139	78	94			-	62	82	133	86	86	91
7	155	80	104			-	49	109	129	84	84	87
8	146	78	102			-	46	94	81	84	86	94
9	135	80	100			-	23	94	110	84	86	92
10	78	78	110			-	35	96	82	84	84	89
11	78	80	73			-	30	56	76	82	90	89
12	50	80	144			-	40	100	74	82	84	89
13	44	75	60			-	40	170	70	82	84	120
14	78	78	37			-	36	66	76	84	86	110
15	152	78	8.9			-	42	61	69	96	90	99
16	100	84	4.3			-	36	89	69	110	88	91
17	104	78	3.2			-	32	89	66	120	90	84
18	111	78	2.2			-	30	82	84	100	92	89
19	117	73	1.8			-	30	82	60	84	90	84
20	106	73	1.8			-	29	81	82	84	88	91
21	117	86	-			-	27	72	87	84	88	110
22	108	82	-			2.5	30	77	91	84	86	140
23	119	86	-			5.0	73	105	86	84	91	110
24	115	84	-			8.0	33	98	81	84	86	109
25	108	84	-			5.9	32	87	82	82	89	105
26	111	84	-			3.5	35	82	81	82	84	109
27	108	82	-			6.7	50	62	82	84	92	105
28	117	97	-			46	49	76	80	84	76	94
29	108	93	-		-----	50	49	81	78	90	127	120
30	89	97	-		-----	44	82	81	78	110	89	150
31	65	-----	-		-----	82	-----	77	-----	100	86	-----
TOTAL	3,223	2,513	-	-	-	-	1,426	2,699	2,506	2,808	2,764	3,048
MEAN	104	83.8	-	-	-	-	47.5	87.1	83.5	90.6	89.2	102
MAX	155	106	-	-	-	-	116	170	142	130	127	150
MIN	44	73	-	-	-	-	23	56	33	82	76	84

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.--27 years, 16.6 ft³/s (0.470 m³/s) (15.34 in/yr or 389.6 mm/yr).

EXTREMES.--Current year: Maximum discharge, 910 ft³/s (25.8 m³/s) Jan. 28 (gage height, 6.95 ft or 2.118 m); minimum, 0.46 ft³/s (0.013 m³/s) Oct. 11; minimum gage height, 1.55 ft (0.472 m) Aug. 15.

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 fair except those for winter periods, which are 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.3	6.6	7.7	27	90	18	44	8.4	5.5	4.5	4.0	3.4
2	1.3	6.6	5.5	20	50	18	58	6.6	4.8	5.2	3.1	3.4
3	2.0	4.2	4.5	15	40	16	59	6.2	4.8	4.1	2.8	8.8
4	2.0	3.4	4.2	12	32	36	60	11	7.7	22	4.0	39
5	2.3	3.1	12	10	26	84	70	7.3	4.8	11	4.2	16
6	1.7	2.8	94	9.0	21	61	60	9.3	3.7	7.7	3.1	8.4
7	1.7	2.8	38	8.0	18	53	37	43	7.7	5.2	2.3	6.2
8	1.7	2.5	15	7.6	15	41	32	21	4.2	3.7	2.5	4.8
9	1.3	2.5	40	7.0	13	25	21	15	3.4	3.4	1.7	3.7
10	1.3	2.5	100	7.4	11	20	23	20	2.8	3.7	1.7	3.4
11	1.5	2.3	45	8.0	9.0	17	33	28	2.8	3.4	1.3	3.1
12	1.5	2.8	20	8.4	8.0	15	83	47	2.5	2.5	1.3	3.1
13	1.5	2.5	13	9.0	6.6	13	85	188	2.3	2.0	1.3	68
14	1.7	2.5	68	9.4	5.8	9.3	58	55	11	2.0	1.7	62
15	2.3	2.8	45	10	5.0	10	83	32	13	1.7	1.1	17
16	2.3	7.3	21	11	4.5	36	38	19	6.2	1.3	1.5	11
17	2.3	7.7	11	12	4.1	140	25	17	32	.84	1.7	7.3
18	2.5	4.8	8.8	13	3.7	60	18	14	14	.84	5.2	7.0
19	2.8	4.2	8.4	15	3.5	41	15	9.3	6.6	1.3	2.5	5.9
20	2.5	3.7	20	17	3.4	28	12	7.7	5.9	1.7	2.0	5.2
21	2.5	3.4	317	18	8.0	20	11	6.6	15	.84	1.7	51
22	2.0	3.7	193	21	174	25	9.7	7.0	23	.84	1.7	95
23	2.3	3.7	83	32	206	42	10	11	12	1.1	1.5	24
24	2.5	3.4	56	45	61	74	13	18	8.4	1.1	1.3	15
25	2.0	4.8	50	33	53	54	12	13	8.8	1.3	1.3	11
26	2.3	5.2	47	67	30	37	8.8	13	8.4	1.1	1.3	9.7
27	2.3	5.5	190	182	21	30	7.3	20	7.7	1.3	1.3	8.0
28	2.5	17	149	405	20	24	6.6	11	6.6	1.5	1.5	7.0
29	2.5	17	94	194	-----	19	6.2	8.4	6.6	4.2	2.5	74
30	7.0	10	68	100	-----	16	6.2	8.0	5.9	47	5.5	110
31	7.3	-----	47	94	-----	44	-----	6.6	-----	11	4.0	-----
TOTAL	72.7	151.3	1,875.1	1,426.8	942.6	1,126.3	1,004.8	687.4	248.1	196.26	72.6	691.4
MEAN	2.35	5.04	60.5	46.0	33.7	36.3	33.5	22.2	8.27	6.33	2.34	23.0
MAX	7.3	17	317	405	206	140	85	188	32	47	5.5	110
MIN	1.3	2.3	4.2	7.0	3.4	9.3	6.2	6.2	2.3	.84	1.1	3.1
CFSM	.16	.34	4.12	3.13	2.29	2.47	2.28	1.51	.56	.43	.16	1.56
IN.	.18	.38	4.75	3.61	2.39	2.85	2.54	1.74	.63	.50	.18	1.75

CAL YR 1973 TOTAL 8,870.32 MEAN 24.3 MAX 355 MIN .84 CFSM 1.65 IN 22.45
WTR YR 1974 TOTAL 8,495.36 MEAN 23.3 MAX 405 MIN .84 CFSM 1.59 IN 21.50

PEAK DISCHARGE (BASE, 400 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-21	1530	5.60	546	2-22	2300	6.00	640
1-28	0200	6.95	910				

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.--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, non-recording gage at downstream side of bridge at same datum.

AVERAGE DISCHARGE.--46 years, 331 ft³/s (9.374 m³/s), 29.57 in/yr (751 mm/yr).

EXTREMES.--Current year: Maximum discharge, 3,820 ft³/s (108 m³/s) Dec. 27 (gage height, 8.09 ft or 2.466 m); minimum, 71 ft³/s (2.01 m³/s) Oct. 2.

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.

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

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

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	75	290	175	575	494	311	278	1,110	373	213	187	218
2	72	367	150	485	400	290	351	882	343	196	169	397
3	82	217	140	421	340	268	512	594	300	630	155	587
4	97	168	138	392	311	351	1,150	754	277	602	153	1,110
5	100	142	239	336	278	1,020	2,130	580	255	440	168	586
6	113	128	613	318	270	966	1,910	496	237	333	155	350
7	97	117	359	311	278	669	1,030	688	221	258	140	288
8	88	112	247	265	265	646	784	588	209	222	133	253
9	82	107	228	241	255	471	602	548	202	200	132	218
10	80	101	430	262	245	400	541	601	200	260	140	199
11	78	98	318	262	239	325	512	664	189	242	127	185
12	78	98	241	244	230	297	591	592	182	199	118	174
13	77	98	197	230	225	247	740	1,670	189	181	112	405
14	80	98	271	230	225	259	882	1,200	179	169	109	1,200
15	81	98	325	233	204	250	2,220	752	172	189	106	520
16	80	155	228	228	200	308	1,630	610	165	229	103	317
17	81	166	197	200	199	796	1,010	600	421	179	115	253
18	81	130	205	190	194	485	848	548	638	160	194	334
19	92	119	185	185	189	379	771	462	334	204	138	271
20	94	108	197	195	197	332	635	410	288	381	128	289
21	94	104	1,680	199	191	315	565	374	293	222	114	639
22	88	122	2,050	315	311	308	629	352	368	182	107	1,090
23	84	130	981	332	1,360	294	1,140	458	255	163	105	572
24	81	119	480	555	777	375	899	646	219	157	108	395
25	80	157	344	375	480	355	705	816	250	155	102	334
26	78	170	1,730	304	375	311	579	560	255	151	97	357
27	77	163	3,590	704	318	290	501	516	325	156	121	310
28	77	256	2,630	1,030	301	271	458	435	275	159	253	320
29	77	284	1,470	862	-----	250	441	394	226	146	707	676
30	250	212	966	624	-----	256	430	372	231	283	636	995
31	256	-----	669	522	-----	265	-----	338	-----	208	318	-----
TOTAL	2,950	4,634	21,673	11,625	9,351	12,360	25,474	19,610	8,071	7,469	5,450	13,842
MEAN	95.2	154	699	375	334	399	849	633	269	241	176	461
MAX	256	367	3,590	1,030	1,360	1,020	2,220	1,670	638	630	707	1,200
MIN	72	98	138	185	189	247	278	338	165	146	97	174
CFSM	.63	1.01	4.60	2.47	2.20	2.63	5.59	4.16	1.77	1.59	1.16	3.03
IN.	.72	1.13	5.30	2.85	2.29	3.02	6.23	4.80	1.98	1.83	1.33	3.39
CAL YR 1973	TOTAL 145,000	MEAN 397	MAX 3,590	MIN 71	CFSM 2.61	IN 35.49						
WTR YR 1974	TOTAL 142,509	MEAN 390	MAX 3,590	MIN 72	CFSM 2.57	IN 34.88						

PEAK DISCHARGE (BASE, 2,200 ft³/s)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-21	1530	7.73	3,280				
12-27	0930	8.09	3,820				
4-5	1930	7.23	2,580				
4-15	0230	7.23	2,580				

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.--47 years, 133 ft³/s (3.767 m³/s) (20.07 in/yr (509.8 mm/yr)).

EXTREMES.--Current: Maximum discharge, 1,280 ft³/s (36.2 m³/s) Dec. 27 (gage height, 5.35 ft (1.631 m)); minimum, 23 ft³/s (0.65 m³/s) Aug. 26 (gage height, 1.25 ft (0.381 m)).

Period of record: Maximum discharge, 4,710 ft³/s (133 m³/s) Mar. 18, 1936 (gage height, 10.78 ft (3.286 m), from floodmarks); minimum, 6.1 ft³/s (0.17 m³/s) Aug. 23, 1927 (gage height, 0.86 ft (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 Part 2 of this report.

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

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	94	70	170	261	110	264	175	96	75	66	62
2	29	95	61	140	175	120	335	147	86	68	56	61
3	41	73	56	120	168	135	371	159	79	259	50	120
4	42	64	55	110	170	203	521	235	75	150	51	212
5	39	60	114	110	170	446	596	163	71	107	49	109
6	43	52	264	110	170	471	488	147	65	85	41	72
7	36	48	152	100	180	398	322	316	60	67	38	60
8	34	48	104	100	180	371	344	217	56	57	38	50
9	32	45	133	98	170	253	272	175	55	51	35	46
10	32	42	287	94	160	205	253	193	51	48	34	42
11	31	41	173	94	140	178	287	203	59	43	35	40
12	31	43	125	96	120	161	392	235	56	40	32	38
13	32	42	99	96	110	129	386	695	57	35	30	49
14	33	42	159	98	100	123	366	377	54	35	29	123
15	33	42	171	98	88	116	504	243	82	35	26	67
16	32	61	112	100	78	156	368	195	281	34	26	52
17	34	66	70	100	76	582	270	225	754	32	31	45
18	35	56	166	110	76	380	227	195	354	31	44	62
19	37	53	235	110	76	261	200	150	178	32	33	54
20	39	49	198	120	78	215	178	129	131	35	31	49
21	38	46	462	130	102	212	163	120	178	31	28	125
22	36	51	554	270	171	264	159	114	210	30	27	235
23	34	51	398	250	561	222	220	111	129	29	26	122
24	33	48	316	240	374	278	190	120	97	31	27	85
25	33	80	341	210	267	222	168	143	135	43	25	72
26	32	80	459	267	193	173	145	120	158	36	24	88
27	32	76	1,050	341	140	159	131	112	139	40	27	75
28	32	107	788	531	130	145	125	109	109	46	49	74
29	34	97	468	413	-----	125	123	107	94	41	70	240
30	139	79	313	304	-----	125	118	105	86	281	86	227
31	105	-----	200	272	-----	188	-----	92	-----	105	65	-----
TOTAL	1,241	1,831	8,153	5,402	4,684	7,126	8,486	5,827	4,035	2,032	1,229	2,756
MEAN	40.0	61.0	263	174	167	230	283	188	135	65.5	39.6	91.9
MAX	139	107	1,050	531	561	582	596	695	754	281	86	240
MIN	28	41	55	94	76	110	118	92	51	29	24	38
CFSM	.44	.68	2.92	1.93	1.86	2.56	3.14	2.09	1.50	.73	.44	1.02
IN.	.51	.76	3.37	2.23	1.94	2.95	3.51	2.41	1.67	.84	.51	1.14

CAL YR 1973 TOTAL 64,239 MEAN 176 MAX 1,210 MIN 22 CFSM 1.96 IN 26.55
WTR YR 1974 TOTAL 52,802 MEAN 145 MAX 1,050 MIN 24 CFSM 1.61 IN 21.82

PEAK DISCHARGE (BASE, 1,200 CFS)

DATE	TIME	G. H.	DISCHARGE
12-27	1100	5.35	1,280

HUDSON RIVER BASIN

01332500 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.--July 1940 to current year.

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

AVERAGE DISCHARGE.--34 years, 269 ft³/s (7.618 m³/s), 27.67 in/yr (703 mm/yr).

EXTREMES.--Current year: Maximum discharge, 8,690 ft³/s (246 m³/s) Dec. 21 (gage height, 11.79 ft or 3.594 m), from rating curve extended above 1,600 ft³/s (45.3 m³/s) on basis of slope-area measurement of peak flow; minimum not determined; minimum daily, 58 ft³/s (1.64 m³/s) Oct. 17.

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.

REMARKS.--Records good except those for period of no gage-height record, which are fair. Slight diurnal fluctuation at low flow prior to 1966 caused by mills above station. Some regulation by Cheshire Reservoir 17 mi (27 km) upstream.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	64	298	243	515	422	301	284	565	404	185	96	147
2	62	302	193	449	337	288	382	382	350	181	90	237
3	75	212	171	413	328	266	535	332	284	422	87	284
4	84	164	164	391	292	328	1,090	400	258	323	84	510
5	88	139	306	341	260	768	1,800	328	237	359	93	258
6	100	126	680	319	250	630	1,180	301	233	391	90	189
7	76	136	374	310	262	525	650	431	225	229	81	209
8	71	136	274	275	245	495	610	364	205	193	78	197
9	67	132	416	246	235	395	476	319	201	166	78	166
10	65	109	777	275	220	359	427	431	201	151	76	147
11	65	102	450	284	213	305	454	449	197	147	73	126
12	64	102	334	265	215	271	575	458	185	133	68	115
13	64	102	270	250	213	220	670	1,350	162	122	66	147
14	64	99	450	235	213	233	768	680	147	119	66	436
15	62	99	420	246	205	225	2,070	515	143	404	66	213
16	60	112	298	217	201	314	839	463	143	170	63	162
17	58	112	225	205	197	779	615	467	237	136	84	140
18	62	99	200	190	189	404	525	400	418	122	181	189
19	78	93	190	185	189	337	472	350	229	136	99	162
20	82	88	223	195	233	305	413	319	213	154	81	166
21	76	86	4,820	213	229	350	382	296	341	122	76	271
22	72	92	1,780	355	431	404	373	288	382	108	73	404
23	71	95	806	355	1,090	350	454	341	229	105	71	233
24	71	92	590	454	472	454	454	427	209	96	78	193
25	69	157	495	319	359	364	418	555	189	90	76	181
26	67	178	1,020	279	305	305	368	377	201	96	66	221
27	70	164	2,470	625	275	292	337	350	225	115	81	185
28	67	310	1,440	702	271	262	323	319	237	108	221	185
29	67	558	845	615	-----	258	305	305	213	105	189	640
30	358	310	660	458	-----	266	266	296	189	108	373	515
31	223	-----	540	418	-----	275	-----	271	-----	105	205	-----
TOTAL	2,622	4,804	22,124	10,599	8,351	11,328	18,515	13,129	7,087	5,401	3,209	7,228
MEAN	84.6	160	714	342	298	365	617	424	236	174	104	241
MAX	358	558	4,820	702	1,090	779	2,070	1,350	418	422	373	640
MIN	58	86	164	185	189	220	266	271	143	90	63	115
CFSM	.64	1.21	5.41	2.59	2.26	2.77	4.67	3.21	1.79	1.32	.79	1.83
IN.	.74	1.35	6.23	2.99	2.35	3.19	5.22	3.70	2.00	1.52	.90	2.04
CAL YR 1973	TOTAL	127,458	MEAN	349	MAX	4,820	MIN	58	CFSM	2.64	IN	35.92
WTR YR 1974	TOTAL	114,397	MEAN	313	MAX	4,820	MIN	58	CFSM	2.37	IN	32.24

PEAK DISCHARGE (BASE, 2,400 ft³/s)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-21	1715	11.79	8,690				
12-27	0630	7.34	3,620				
4-5	1745	6.04	2,450				
4-15	0300	7.13	3,420				

NOTE.--No gage-height record Oct. 1-29. Discharge in cubic feet per second per square mile and runoff in inches may not represent natural flow because of regulation.

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.--September 1949 to current year.

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

AVERAGE DISCHARGE.--25 years, 79.8 ft³/s (2.260 m³/s), 25.44 in/yr (646 mm/yr).

EXTREMES.--Current year: Maximum discharge, 4,060 ft³/s (115 m³/s) Dec. 21 (gage height, 5.68 ft or 1.731 m), from rating curve extended as explained below; minimum, 8.1 ft³/s (0.23 m³/s) Oct. 2.

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.

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

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.3	58	53	202	145	102	108	200	122	39	21	26
2	8.3	45	44	159	120	93	143	160	99	35	20	50
3	12	32	40	140	110	86	148	120	86	124	18	62
4	12	26	38	126	100	108	336	145	78	77	18	114
5	12	23	85	110	90	173	600	120	69	83	19	65
6	12	21	133	105	80	145	447	100	62	102	17	46
7	10	19	93	95	85	128	295	160	55	74	16	49
8	10	18	75	77	80	118	253	95	50	60	16	41
9	10	17	122	65	77	108	218	89	47	53	15	35
10	11	15	145	81	74	106	190	126	44	52	15	33
11	11	15	112	83	71	91	239	120	40	45	14	30
12	11	15	93	60	63	86	271	239	39	41	14	28
13	11	15	78	55	66	72	295	538	39	37	13	59
14	11	15	155	58	62	74	358	275	35	35	13	183
15	11	14	116	69	50	69	783	206	34	47	12	88
16	11	21	95	63	53	183	364	169	35	35	12	65
17	11	18	80	52	54	320	257	180	60	31	29	53
18	12	16	70	48	45	159	210	145	86	29	34	59
19	14	16	65	48	46	140	176	126	45	40	18	47
20	12	15	78	49	70	128	150	112	44	35	15	46
21	12	15	2,200	58	62	180	135	102	106	28	14	89
22	11	17	794	112	150	166	130	93	89	27	13	102
23	11	16	392	145	392	166	150	118	62	25	14	72
24	11	16	248	148	173	202	160	138	56	24	15	62
25	11	31	190	104	143	148	150	148	56	26	13	59
26	11	31	336	99	122	135	130	122	58	24	12	69
27	11	29	620	230	108	122	110	112	53	31	16	55
28	10	52	588	230	104	114	100	104	48	26	33	65
29	11	104	386	235	-----	101	95	101	44	26	27	416
30	48	63	290	183	-----	101	90	93	41	26	71	275
31	28	-----	222	162	-----	108	-----	83	-----	22	33	-----
TOTAL	395.6	808	8,036	3,451	2,795	4,032	7,091	4,639	1,782	1,359	610	2,443
MEAN	12.8	26.9	259	111	99.8	130	236	150	59.4	43.8	19.7	81.4
MAX	48	104	2,200	235	392	320	783	538	122	124	71	416
MIN	8.3	14	38	48	45	69	90	83	34	22	12	26
CFSM	.30	.63	6.08	2.61	2.34	3.05	5.54	3.52	1.39	1.03	.46	1.91
IN.	.35	.71	7.02	3.01	2.44	3.52	6.19	4.05	1.56	1.19	.53	2.13

CAL YR 1973 TOTAL 38,285.2 MEAN 105 MAX 2,200 MIN 8.3 CFSM 2.46 IN 33.43
WTR YR 1974 TOTAL 37,441.6 MEAN 103 MAX 2,200 MIN 8.3 CFSM 2.42 IN 32.70

PEAK DISCHARGE (BASE, 850 ft³/s)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-21	1330	5.68	4,060	5-12	2330	4.09	1,460
4-5	1445	3.70	1,020	9-29	1645	4.44	1,930
4-15	0145	4.28	1,700				

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.--23 years, 90.9 ft³/s (2.574 m³/s) (22.01 in/yr or 559.1 mm/yr).

EXTREMES.--Current year: Maximum discharge, 3,500 ft³/s (99.1 m³/s) Dec. 21 (gage height, 7.70 ft or 2.347 m); minimum, 5.9 ft³/s (0.17 m³/s) Oct. 12, 13; minimum gage height, 1.84 ft (0.561 m) Aug. 14, 15, 16-17.

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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.4	32	37	238	189	122	126	170	82	25	12	14
2	6.4	32	30	195	130	107	147	124	72	22	10	52
3	7.5	19	21	163	120	101	170	118	63	72	10	69
4	7.5	15	11	145	100	122	216	126	59	67	10	103
5	8.2	12	49	130	90	157	403	109	52	53	10	59
6	8.8	11	118	118	82	137	428	105	46	57	9.5	40
7	7.5	9.5	75	105	74	126	338	152	40	45	8.6	39
8	7.5	10	56	99	68	118	309	124	36	37	8.6	32
9	7.0	9.5	115	84	62	109	273	113	34	31	10	26
10	7.0	8.8	145	80	60	107	238	128	30	30	9.5	23
11	7.0	8.8	105	76	56	95	251	126	27	26	8.6	21
12	5.9	8.2	85	66	54	86	331	145	26	24	7.8	19
13	6.4	8.2	70	60	54	79	378	446	24	22	7.4	29
14	8.2	8.2	120	56	54	79	367	324	22	19	7.4	143
15	8.2	7.5	103	54	54	70	655	257	22	22	7.0	74
16	8.2	12	80	52	50	179	421	213	20	19	7.0	56
17	8.8	12	70	50	48	370	327	213	26	17	13	45
18	9.5	10	58	52	46	213	266	176	49	16	27	49
19	10	9.5	70	60	47	182	223	145	26	22	14	39
20	9.5	8.8	370	74	49	163	189	128	26	24	10	39
21	10	8.8	1,910	86	54	220	163	113	40	18	9.0	90
22	9.5	9.5	745	111	189	238	145	103	64	15	8.2	116
23	8.8	8.8	421	132	459	220	147	109	38	14	8.6	74
24	8.8	9.5	280	170	251	273	137	120	32	13	9.0	63
25	8.8	14	244	128	198	207	122	141	36	14	7.8	57
26	8.8	19	352	120	163	185	111	111	35	13	7.4	59
27	8.8	21	750	140	141	163	101	101	36	16	10	50
28	8.8	27	600	220	126	143	92	92	32	14	18	60
29	9.5	49	428	306	-----	124	84	90	28	13	23	118
30	27	41	338	247	-----	120	81	82	26	15	20	137
31	17	-----	263	220	-----	130	-----	74	-----	12	16	-----
TOTAL	281.3	459.6	8,119	3,837	3,068	4,745	7,239	4,578	1,149	807	344.4	1,795
MEAN	9.07	15.3	262	124	110	153	241	148	38.3	26.0	11.1	59.8
MAX	27	49	1,910	306	459	370	655	446	82	72	27	143
MIN	5.9	7.5	11	50	46	70	81	74	20	12	7.0	14
CFSM	.16	.27	4.67	2.21	1.96	2.73	4.30	2.64	.68	.46	.20	1.07
IN.	.19	.30	5.38	2.54	2.03	3.15	4.80	3.04	.76	.54	.23	1.19

CAL YR 1973 TOTAL 40,229.4 MEAN 110 MAX 1,910 MIN 5.9 CFSM 1.96 IN 26.68
WTR YR 1974 TOTAL 36,422.3 MEAN 99.8 MAX 1,910 MIN 5.9 CFSM 1.78 IN 24.15

PEAK DISCHARGE (BASE, 1,250 CFS)

DATE	TIME	G. H.	DISCHARGE
12-21	1400	7.70	3,500

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.--June 1931 to current year.

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

AVERAGE DISCHARGE.--43 years, 215 ft³/s (6.089 m³/s), 26.30 in/yr (668 mm/yr).

EXTREMES.--Current year: Maximum discharge, 4,750 ft³/s (135 m³/s) Dec. 21 (gage height, 8.80 ft or 2.682 m), from rating curve extended as explained below; minimum, 42 ft³/s (1.19 m³/s) Oct. 2; minimum daily, 43 ft³/s (1.22 m³/s) Oct. 2.

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.

REMARKS.--Records good. 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.

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

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45	252	132	356	285	213	218	950	280	139	94	149
2	43	241	112	300	234	199	269	529	251	122	84	285
3	48	138	104	266	210	186	372	421	215	461	72	374
4	56	107	102	244	190	277	846	500	195	332	69	639
5	56	88	180	195	180	612	1,350	386	176	218	107	342
6	63	80	398	190	195	463	845	352	161	200	83	228
7	58	74	234	180	193	389	518	500	144	156	69	207
8	52	70	170	145	180	369	489	408	135	133	64	184
9	51	68	203	160	175	293	417	364	130	119	89	151
10	49	63	407	195	175	262	380	406	122	113	120	132
11	48	61	262	174	155	223	386	437	114	105	76	122
12	46	61	199	145	145	206	458	456	110	98	63	112
13	48	61	161	140	144	161	551	1,540	111	90	58	126
14	48	63	289	170	141	170	675	755	103	87	53	1,100
15	49	61	296	158	120	161	1,500	541	98	148	51	481
16	46	107	199	144	115	277	709	467	97	142	49	296
17	46	109	135	125	119	681	543	541	243	101	138	227
18	49	84	130	115	112	365	485	452	443	88	357	237
19	58	78	135	115	105	289	435	371	200	97	129	220
20	59	72	185	120	130	252	375	324	209	143	85	180
21	58	68	2,490	135	132	293	343	293	317	99	70	216
22	54	91	1,120	248	389	312	344	272	390	85	62	526
23	51	91	556	270	1,160	281	593	316	219	76	63	338
24	49	84	369	373	424	369	569	416	172	72	67	248
25	48	147	308	241	316	296	477	542	164	77	61	210
26	48	152	1,020	196	255	248	386	378	183	73	56	213
27	48	147	2,050	411	220	233	335	362	279	91	74	196
28	46	203	1,090	472	213	212	307	301	222	89	325	174
29	46	227	665	463	-----	187	288	284	167	85	335	383
30	223	164	495	348	-----	189	277	272	152	113	315	667
31	177	-----	394	304	-----	222	-----	243	-----	86	211	-----
TOTAL	1,866	3,312	14,590	7,098	6,412	8,890	15,740	14,379	5,802	4,038	3,549	8,963
MEAN	60.2	110	471	229	229	287	525	464	193	130	114	299
MAX	223	252	2,490	472	1,160	681	1,500	1,540	443	461	357	1,100
MIN	43	61	102	115	105	161	218	243	97	72	49	112
CFSM	.54	.99	4.24	2.06	2.06	2.59	4.73	4.18	1.74	1.17	1.03	2.69
IN.	.63	1.11	4.89	2.38	2.15	2.98	5.28	4.82	1.94	1.35	1.19	3.00
(†)	3.34	3.29	5.14	4.85	4.46	5.16	5.88	6.03	4.07	3.75	4.09	5.76
CAL YR 1973	TOTAL	95,767	MEAN 262	MAX 3,210	MIN 43	CFSM 2.36	IN 32.09	(†) 4.34				
WTR YR 1974	TOTAL	94,639	MEAN 259	MAX 2,490	MIN 43	CFSM 2.33	IN 31.72	(†) 4.65				

PEAK DISCHARGE (BASE, 2,000 ft³/s)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-21	1515	8.80	4,750	4-15	0300	5.85	2,200
12-27	0730	6.73	2,860	5-13	0230	6.21	2,460
2-23	0300	5.66	2,060				

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

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.--62 years (1910-21, 1923-74), 914 ft³/s (25.88 m³/s) (24.31 in/yr or 617.5 mm/yr).

EXTREMES.--Current year: Maximum discharge, 22,500 ft³/s (637 m³/s) Dec. 21 (gage height, 13.89 ft or 4.234 m); minimum, 108 ft³/s (3.06 m³/s) Oct. 17 (gage height, 1.91 ft or 0.582 m); minimum daily, 126 ft³/s (3.57 m³/s) Oct. 27.

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 high-water 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 fair 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	162	516	583	1,770	1,650	1,140	1,200	2,630	1,200	466	280	502
2	147	955	471	1,520	1,340	1,080	1,370	1,860	1,250	425	266	779
3	152	499	407	1,300	1,140	995	1,820	1,510	1,000	1,220	241	1,140
4	162	398	389	1,190	1,070	1,100	3,020	1,760	887	1,310	227	2,090
5	158	327	482	995	900	2,160	5,470	1,460	788	815	266	1,260
6	188	288	1,800	896	820	2,210	5,170	1,310	698	1,170	255	824
7	168	272	1,200	878	740	1,710	3,010	1,900	627	754	224	698
8	160	272	803	683	660	1,660	2,790	1,570	564	592	211	698
9	168	264	779	500	600	1,380	2,330	1,400	526	496	205	557
10	156	247	2,160	520	560	1,270	2,030	1,500	484	430	276	478
11	148	225	1,460	540	540	1,080	2,030	1,810	442	415	217	425
12	130	227	1,040	520	500	1,020	2,700	1,600	420	365	196	370
13	139	217	771	450	470	797	3,040	6,160	400	330	185	578
14	145	210	1,140	480	450	815	3,020	3,610	360	310	178	2,670
15	160	210	1,480	520	430	770	7,120	2,570	335	669	173	1,350
16	148	235	973	450	420	1,040	4,060	2,180	314	526	168	914
17	143	313	615	390	410	3,770	2,890	2,250	592	370	202	698
18	143	249	628	370	420	1,980	2,420	1,940	1,320	310	815	788
19	145	241	1,060	420	440	1,600	2,090	1,600	722	306	370	698
20	141	225	2,390	450	500	1,420	1,810	1,410	585	425	259	592
21	156	207	11,300	544	1,000	1,710	1,640	1,280	722	335	220	878
22	171	197	10,400	1,160	1,440	2,130	1,550	1,190	1,470	287	199	1,900
23	154	241	3,260	1,270	5,540	1,690	1,980	1,330	797	262	188	1,160
24	150	230	2,090	2,090	2,240	2,210	1,970	1,590	620	248	199	896
25	147	305	1,540	1,250	1,700	1,770	1,770	2,340	592	245	196	762
26	141	471	3,160	1,060	1,390	1,490	1,520	1,570	613	245	183	833
27	126	384	9,340	2,260	1,180	1,390	1,360	1,440	754	269	188	738
28	135	583	5,900	2,860	1,120	1,260	1,280	1,280	722	302	698	754
29	154	1,140	3,670	2,770	-----	1,110	1,200	1,220	564	280	833	1,840
30	455	795	2,640	2,070	-----	1,120	1,120	1,180	508	345	1,040	2,770
31	657	-----	2,000	1,770	-----	1,200	-----	1,070	-----	290	754	-----
TOTAL	5,509	10,943	75,931	33,946	29,670	46,077	74,780	57,520	20,876	14,812	9,912	30,640
MEAN	178	365	2,449	1,095	1,060	1,486	2,493	1,855	696	478	320	1,021
MAX	657	1,140	11,300	2,860	5,540	3,770	7,120	6,160	1,470	1,310	1,040	2,770
MIN	126	197	389	370	410	770	1,120	1,070	314	245	168	370
CFSM	.35	.72	4.80	2.15	2.08	2.91	4.89	3.64	1.36	.94	.63	2.00
IN.	.40	.80	5.54	2.48	2.16	3.36	5.45	4.20	1.52	1.08	.72	2.23

CAL YR 1973 TOTAL 440,100 MEAN 1,206 MAX 11,300 MIN 126 CFSM 2.36 IN 32.10
WTR YR 1974 TOTAL 410,616 MEAN 1,125 MAX 11,300 MIN 126 CFSM 2.21 IN 29.95

PEAK DISCHARGE (BASE, 7,400 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-21	2215	13.89	22,500	4-05	2145	8.67	7,950
12-27	1245	10.45	12,100	4-15	0915	9.37	9,450
2-23	0630	8.55	7,700	5-13	0615	8.91	8,450

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.--53 years, 376 ft³/s (10.65 m³/s) (unadjusted).

EXTREMES.--Current year: Maximum discharge, 3,320 ft³/s (94.0 m³/s) May 13 (gage height, 7.26 ft or 2.213 m); minimum, 146 ft³/s (4.13 m³/s) Jan. 22 (gage height, 1.66 ft or 0.506 m); minimum daily 160 ft³/s (4.53 m³/s) Mar. 20, 21.

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 Dec. 29 to Jan. 5, Apr. 6, Apr. 16-26, May 5 to June 5, June 11 to July 8 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 Part 2 of this report.

REVISIONS.--WSP 851: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	221	203	973	505	454	1,030	182	259	241	234	215	200
2	223	205	955	584	447	1,030	197	234	234	242	200	200
3	203	210	948	612	445	1,020	234	231	251	1,620	282	204
4	193	205	924	498	443	1,050	539	260	255	1,410	256	205
5	195	195	975	662	441	1,110	1,550	245	226	1,340	256	203
6	195	193	982	1,010	439	1,080	1,530	264	203	817	240	200
7	194	193	937	1,010	438	1,070	1,510	336	195	596	224	200
8	193	193	929	1,000	438	704	1,080	392	195	787	224	200
9	193	195	985	1,000	436	383	795	868	194	730	218	199
10	193	193	967	1,020	434	381	791	2,650	194	678	205	199
11	193	193	955	1,020	447	379	793	1,600	273	364	205	200
12	193	193	950	1,020	453	264	793	1,270	291	351	205	201
13	193	197	943	1,010	452	198	796	2,990	255	490	205	209
14	196	244	943	997	453	198	802	1,740	224	490	210	211
15	208	280	936	984	452	198	844	1,000	216	456	205	203
16	214	333	931	980	450	202	770	666	356	402	203	201
17	214	373	620	980	449	185	718	768	610	329	203	201
18	216	582	445	980	435	162	695	748	487	281	200	205
19	216	656	444	975	426	161	648	550	354	281	200	202
20	218	791	441	958	423	160	577	409	279	278	200	201
21	218	869	455	924	423	160	536	330	362	278	200	206
22	200	926	452	604	460	164	531	289	465	270	200	210
23	190	916	441	436	476	164	612	267	344	259	200	207
24	190	920	433	443	453	171	655	287	249	259	200	205
25	190	968	431	428	605	175	563	301	248	223	200	206
26	190	964	509	422	749	174	525	271	324	200	200	209
27	190	971	579	490	601	173	520	242	303	211	200	207
28	190	991	548	479	843	172	520	275	255	224	200	208
29	190	975	473	485	-----	172	330	259	211	225	202	208
30	195	977	583	455	-----	172	229	232	229	226	203	211
31	195	-----	579	459	-----	176	-----	220	-----	224	202	-----
TOTAL	6,202	15,304	22,666	23,430	13,465	12,838	20,865	20,453	8,523	14,775	6,563	6,121
MEAN	200	510	731	756	481	414	696	660	284	477	212	204
MAX	223	991	985	1,020	843	1,110	1,550	2,990	610	1,620	282	211
MIN	190	193	431	422	423	160	182	220	194	200	200	199

CAL YR 1973 TOTAL 159,703 MEAN 438 MAX 2,280 MIN 142 MEAN \neq 439 CFSM \neq 2.93 IN \neq 39.70
WTR YR 1974 TOTAL 171,205 MEAN 469 MAX 2,990 MIN 160 MEAN \neq 452 CFSM \neq 3.01 IN \neq 40.88

\neq 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 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.--54 years (1920-74), 1,300 ft³/s (36.82 m³/s) (unadjusted).

EXTREMES.--Current year: Maximum discharge, 12,700 ft³/s (360 m³/s) Dec. 27 (gage height, 6.66 ft or 2.030 m); minimum, 175 ft³/s (4.96 m³/s) Aug. 25 (gage height, 1.72 ft or 0.524 m); minimum daily discharge, 338 ft³/s (9.57 m³/s) Aug. 25.

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 poor. 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 Dec. 11-18, Dec. 22 to Jan. 7, May 2 to June 8, July 5-9 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	800	816	1,780	2,320	2,230	1,590	1,580	2,260	1,050	720	730	660
2	880	1,290	1,430	2,000	1,840	1,400	2,190	1,750	1,040	720	600	592
3	940	1,080	1,310	1,400	1,610	1,380	3,220	2,000	1,020	4,590	630	1,040
4	695	955	1,440	1,320	1,640	2,570	5,050	2,170	920	1,530	515	1,050
5	751	816	2,190	1,180	1,510	5,150	3,900	2,120	824	2,640	660	750
6	713	761	3,290	1,050	1,660	3,620	3,220	2,050	760	1,290	710	720
7	662	740	1,750	1,400	1,590	3,450	3,150	2,440	836	1,080	524	610
8	678	761	1,560	1,750	1,560	3,060	3,330	2,570	640	1,280	680	558
9	637	730	2,550	1,410	1,320	2,720	2,890	2,550	430	1,340	710	720
10	637	695	2,930	1,380	1,350	2,610	2,740	4,800	630	1,480	515	700
11	629	662	1,880	1,290	1,630	2,400	2,970	4,830	1,030	1,120	338	700
12	579	751	1,880	1,490	1,490	1,950	2,990	4,860	670	1,170	592	740
13	606	772	1,630	1,490	1,410	1,860	2,890	7,340	848	836	680	1,750
14	558	794	1,610	1,680	1,490	1,840	3,130	6,660	670	812	473	1,240
15	572	1,040	1,320	1,800	1,380	1,840	4,380	4,470	566	836	430	790
16	592	3,200	1,100	1,820	1,080	2,070	3,550	3,330	700	848	532	660
17	653	1,460	900	1,840	1,220	2,250	3,400	3,950	848	824	640	790
18	687	1,110	720	1,590	1,180	1,860	3,310	3,350	800	848	524	968
19	662	1,080	1,000	1,750	1,340	1,770	2,950	2,960	760	920	660	872
20	662	1,020	1,540	1,730	1,070	1,630	2,840	2,460	750	812	456	872
21	645	1,230	3,240	2,020	1,050	1,750	2,630	1,840	884	660	506	992
22	629	1,510	2,140	2,420	1,640	1,380	2,510	1,110	884	848	566	932
23	629	1,440	2,510	2,610	2,470	1,220	2,910	1,420	600	720	630	848
24	629	1,410	2,280	2,660	1,530	1,260	2,340	1,210	750	498	650	836
25	621	2,340	1,640	2,000	1,580	1,380	2,050	1,190	650	730	338	836
26	613	1,640	4,150	1,800	1,250	1,150	1,680	1,240	790	660	524	818
27	606	1,840	10,700	3,520	1,250	1,190	1,780	1,100	836	630	670	793
28	572	2,610	9,350	3,080	1,400	1,110	1,770	1,120	760	549	583	748
29	558	2,210	6,180	2,760	-----	1,180	1,860	992	583	670	740	920
30	572	1,780	4,170	2,260	-----	1,190	1,530	1,000	630	750	968	1,170
31	687	-----	2,740	2,470	-----	1,350	-----	1,030	-----	541	660	-----
TOTAL	20,354	38,543	82,910	59,290	41,770	61,180	84,740	82,172	23,159	32,952	18,434	25,675
MEAN	657	1,285	2,675	1,913	1,492	1,974	2,825	2,651	772	1,063	595	856
MAX	940	3,200	10,700	3,520	2,470	5,150	5,050	7,340	1,050	4,590	968	1,750
MIN	558	662	720	1,050	1,050	1,110	1,530	992	430	498	338	558

CAL YR 1973 TOTAL 607,809 MEAN 1,665 MAX 10,700 MIN 319
WTR YR 1974 TOTAL 571,179 MEAN 1,565 MAX 10,700 MIN 338

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.--47 years, 2,742 ft³/s (77.65 m³/s).

EXTREMES.--Current year: Maximum discharge (river channel only), 21,200 ft³/s (600 m³/s) July 3 (gage height, 15.72 ft (4.791 m)); minimum (river channel only), 321 ft³/s (9.1 m³/s) Oct. 1 (gage height, 4.00 ft (1.219 m)); minimum daily (river channel only), 816 ft³/s (23.1 m³/s) Aug. 15.

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 (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 Hincley Reservoirs (combined usable capacity, 6,120 mil ft³ (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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,120	1,330	4,950	5,180	6,220	3,810	2,970	2,990	1,890	1,350	1,360	1,600
2	1,020	2,050	3,840	3,850	4,730	4,050	4,130	3,030	1,910	1,320	1,240	1,500
3	1,300	1,880	3,310	3,160	3,810	4,030	7,040	2,690	1,780	14,400	1,180	3,500
4	1,280	2,070	3,350	2,830	3,540	6,110	12,100	3,060	1,700	10,400	1,070	2,600
5	1,250	1,610	4,100	2,540	3,580	11,600	12,300	2,960	1,520	11,600	1,280	1,400
6	1,390	1,510	8,340	2,450	3,370	10,500	10,500	2,600	1,390	7,860	1,340	1,640
7	1,220	1,400	6,390	2,960	3,030	10,000	8,860	3,350	1,280	5,020	1,170	1,380
8	1,130	1,480	5,010	3,260	3,290	8,720	8,600	3,510	1,240	3,150	1,130	1,290
9	1,110	1,480	5,270	3,170	3,000	6,670	7,500	3,280	1,110	2,490	1,190	1,280
10	1,080	1,460	8,740	3,320	2,700	5,290	6,470	6,490	1,030	2,860	1,060	1,330
11	1,080	1,370	7,080	3,310	2,870	4,640	6,240	8,010	1,800	2,600	943	1,290
12	1,030	1,370	5,990	3,130	2,960	3,820	7,320	7,360	1,570	2,060	897	1,250
13	977	1,450	4,900	3,150	2,900	3,280	6,940	12,700	1,620	1,540	1,090	3,300
14	1,030	1,700	4,780	2,750	3,070	3,040	6,340	11,600	1,400	1,710	1,060	3,860
15	977	2,040	4,590	2,690	2,890	2,970	9,490	9,390	1,260	1,770	816	2,260
16	1,030	6,980	3,280	3,120	2,400	3,100	7,800	6,300	1,340	1,820	1,020	1,640
17	1,100	6,160	2,840	3,130	2,570	4,680	6,820	5,920	1,760	1,660	1,090	1,540
18	1,150	4,130	2,110	3,380	2,610	3,980	5,660	6,450	2,050	1,600	1,100	2,120
19	1,220	2,890	2,400	3,380	2,540	3,400	4,950	4,990	1,760	1,630	1,140	2,360
20	1,200	2,420	3,040	3,380	2,450	3,150	4,580	3,340	1,410	1,590	1,090	1,790
21	1,150	2,690	5,880	3,700	2,460	3,190	4,320	2,890	1,600	1,450	1,040	1,890
22	1,080	3,160	5,550	4,200	3,160	2,750	3,550	2,360	2,210	1,270	1,100	2,890
23	1,050	3,490	5,440	4,990	6,430	2,530	4,000	2,210	1,730	1,340	1,050	2,440
24	1,020	3,090	5,080	6,690	5,110	2,820	3,920	2,400	1,560	1,220	1,180	1,880
25	1,010	5,240	3,650	5,770	4,150	2,790	3,430	2,720	1,360	1,390	998	1,710
26	1,020	5,110	4,940	4,510	3,600	2,530	3,020	2,570	1,830	1,360	897	1,740
27	1,030	4,420	18,100	7,320	3,370	2,370	2,860	2,320	2,170	1,210	1,600	1,660
28	1,010	6,380	19,400	9,490	3,310	2,270	2,750	2,060	1,740	1,270	1,500	1,580
29	977	6,110	14,300	9,080	-----	2,210	2,750	2,040	1,360	1,220	1,700	1,630
30	964	5,080	10,200	7,950	-----	2,250	2,270	2,030	1,340	1,910	2,300	2,390
31	1,330	-----	6,980	7,180	-----	2,460	-----	1,920	-----	1,640	1,600	-----
TOTAL	34,335	91,550	193,830	135,020	96,120	135,010	179,480	135,540	47,720	93,710	37,231	58,740
MEAN	1,108	3,052	6,253	4,355	3,433	4,355	5,983	4,372	1,591	3,023	1,201	1,958
MAX	1,390	6,980	19,400	9,490	6,430	11,600	12,300	12,700	2,210	14,400	2,300	3,860
MIN	964	1,330	2,110	2,450	2,400	2,210	2,270	1,920	1,030	1,210	816	1,250
(\bar{x})	20.9	15.0	1.28	0	0	0	4.76	17.2	22.7	23.6	21.6	16.8

CAL YR 1973 TOTAL 1,297,455 MEAN 3,555 MAX 19,400 MIN 605 \neq 12.7
WTR YR 1974 TOTAL 1,238,286 MEAN 3,393 MAX 19,400 MIN 816 \neq 11.9

PEAK DISCHARGE (BASE, 16,000 CFS)

DATE	TIME	G. H.	DISCHARGE
12-27	1100	15.45	20,600
05-13	0145	13.58	16,200
07-03	1045	15.72	21,200

\neq 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.--28 years (1946-74), 659 ft³/s (18.66 m³/s).

EXTREMES.--Current year: Maximum discharge, 8,770 ft³/s (248 m³/s) Dec. 27 (gage height, 6.40 ft (1.951 m)); minimum, 1.0 ft³/s (0.028 m³/s) Sept. 29, (gage height, 0.56 ft (0.171 m)); minimum daily, 1.1 ft³/s (0.031 m³/s) Sept. 29.

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.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	133	1,050	1,200	1,150	1,040	790	599	799	428	300	155	379
2	412	1,040	769	934	844	606	709	916	181	391	158	480
3	262	1,100	716	799	692	397	1,170	844	428	2,240	33	644
4	281	1,360	620	628	564	668	2,500	817	270	2,110	33	1,230
5	261	820	850	529	467	1,580	4,180	970	385	2,800	422	880
6	72	910	3,230	515	422	2,560	3,480	718	232	1,540	67	391
7	38	467	2,160	435	578	2,580	2,070	1,010	193	907	127	59
8	125	228	1,630	474	350	2,390	2,080	1,030	255	467	67	30
9	164	410	1,040	441	355	1,940	1,740	1,110	33	280	83	578
10	111	520	1,810	333	311	1,500	1,300	1,310	322	241	32	668
11	320	238	1,730	350	592	1,020	990	1,680	130	237	32	361
12	236	458	1,320	454	403	934	1,600	1,320	328	33	280	379
13	173	304	946	265	350	718	1,540	3,150	260	32	57	557
14	37	102	836	344	322	660	2,780	2,590	385	30	115	1,450
15	37	250	791	428	422	578	7,020	1,790	205	193	93	1,500
16	169	1,620	631	474	275	709	4,010	1,640	78	155	201	1,130
17	83	2,110	503	322	127	1,050	2,700	1,180	379	71	30	980
18	199	1,230	374	241	300	980	2,640	1,340	543	185	30	952
19	374	863	283	333	461	907	2,580	844	373	185	148	709
20	303	777	387	100	275	727	2,210	676	269	30	210	564
21	53	444	1,070	467	155	1,140	1,870	367	285	29	197	628
22	379	402	2,070	826	628	467	1,780	355	290	185	205	501
23	189	581	1,640	844	1,230	361	2,550	333	317	30	270	684
24	267	585	1,490	1,320	1,100	578	2,420	415	290	59	32	871
25	273	1,330	759	1,180	1,080	668	1,790	467	350	28	30	564
26	201	1,240	1,630	907	970	322	1,280	467	241	28	30	409
27	141	1,020	7,120	952	754	515	1,000	448	557	28	30	585
28	35	1,650	4,980	1,550	613	391	871	379	322	28	34	185
29	361	2,250	2,870	1,560	-----	373	817	536	260	90	103	1.1
30	187	1,630	2,130	1,250	-----	409	700	385	158	33	862	151
31	545	-----	1,520	1,060	-----	461	-----	441	-----	193	599	-----
TOTAL	6,421	26,989	49,105	21,465	15,700	28,979	62,976	30,327	8,747	13,158	4,765	18,500.1
MEAN	207	900	1,584	692	561	935	2,099	978	292	424	154	617
MAX	545	2,250	7,120	1,560	1,230	2,580	7,020	3,150	557	2,800	862	1,500
MIN	35	102	283	100	127	322	599	333	33	28	30	1.1

CAL YR 1973 TOTAL 309,840.74 MEAN 849 MAX 7,120 MIN .87
WTR YR 1974 TOTAL 287,132.10 MEAN 787 MAX 7,120 MIN 1.1

PEAK DISCHARGE (BASE, 7,000 CFS)

DATE	TIME	G. H.	DISCHARGE
12-27	1615	6.40	8,770
04-15	0700	6.22	8,120

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.--25 years, 80.5 ft³/s (2.280 m³/s) (18.47 in/yr or 469.1 mm/yr).

EXTREMES.--Current year: Maximum discharge, 9,640 ft³/s (273 m³/s) July 3 (gage height, 9.67 ft or 2.947 m) from rating curve extended as explained below; minimum, 1.6 ft³/s (0.045 m³/s) Nov. 10 (gage height, 1.01 ft or 0.308 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.0	9.1	36	120	283	115	318	46	20	16	25	27
2	5.2	12	23	76	144	109	477	34	17	14	18	26
3	6.0	11	21	68	88	85	690	38	17	2,900	34	239
4	6.0	8.7	20	62	82	635	813	49	20	400	18	205
5	6.9	7.4	50	48	66	962	518	35	16	885	17	62
6	6.9	8.2	311	50	56	434	290	34	13	319	13	34
7	5.6	7.8	85	68	70	434	194	50	12	108	11	26
8	5.6	8.2	54	48	62	262	320	38	11	64	10	20
9	5.2	9.1	192	47	56	160	170	34	10	45	9.4	17
10	5.2	8.2	315	38	70	110	170	39	9.6	33	8.9	15
11	5.2	7.4	111	36	70	86	464	37	19	26	8.1	14
12	5.2	6.9	70	38	62	70	518	144	14	21	7.7	12
13	5.6	6.5	54	34	64	36	349	382	12	17	7.4	79
14	6.5	8.2	60	35	58	38	265	128	11	15	7.4	124
15	6.5	8.2	48	44	49	36	438	77	12	18	7.1	35
16	6.9	24	38	52	44	56	189	56	13	14	6.8	22
17	7.4	19	38	34	43	269	128	262	19	11	7.7	18
18	7.8	13	36	25	39	76	100	111	13	11	9.4	28
19	8.7	11	37	32	35	74	82	64	9.6	13	8.1	22
20	8.7	9.1	38	34	27	60	67	47	8.7	18	8.1	17
21	8.2	8.2	310	43	26	80	60	38	14	11	7.1	56
22	7.4	8.7	160	320	350	86	56	36	23	10	6.8	104
23	6.9	8.2	140	410	473	130	68	37	13	8.9	6.4	37
24	6.9	8.7	98	580	100	279	56	40	10	11	6.4	26
25	6.5	23	84	430	68	76	49	37	13	14	6.4	21
26	6.9	24	473	320	44	43	43	31	34	11	6.4	25
27	6.9	31	1,960	1,200	39	50	38	28	59	9.9	7.1	20
28	6.5	61	581	735	46	45	35	27	25	20	12	18
29	6.9	55	314	504	-----	50	34	25	19	64	23	35
30	23	34	200	356	-----	54	34	26	19	229	46	32
31	13	-----	140	464	-----	90	-----	21	-----	49	19	-----
TOTAL	224.2	464.8	6,097	6,351	2,614	5,090	7,033	2,051	505.9	5,385.8	388.7	1,416
MEAN	7.23	15.5	197	205	93.4	164	234	66.2	16.9	174	12.5	47.2
MAX	23	61	1,960	1,200	473	962	813	382	59	2,900	46	239
MIN	4.0	6.5	20	25	26	36	34	21	8.7	8.9	6.4	12
CFSM	.12	.26	3.33	3.46	1.58	2.77	3.95	1.12	.29	2.94	.21	.80
IN.	.14	.29	3.83	3.99	1.64	3.20	4.42	1.29	.32	3.38	.24	.89

CAL YR 1973 TOTAL 37,365.5 MEAN 102 MAX 1,960 MIN 3.8 CFSM 1.72 IN 23.48
WTR YR 1974 TOTAL 37,621.4 MEAN 103 MAX 2,900 MIN 4.0 CFSM 1.74 IN 23.64

PEAK DISCHARGE (BASE, 2,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-27	0615	7.10	3,770	7-03	0545	9.67	9,640
1-27	1800	6.61	3,130	7-05	1930	5.42	2,020

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.--71 years (1903-74), 451 ft³/s (12.77 m³/s) (25.95 in/yr (659.1 mm/yr)).

EXTREMES.--Current year: Maximum discharge, 26,300 ft³/s (745 m³/s) Dec. 21 (gage height, 13.34 ft (4.066 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, 21 ft³/s (0.59 m³/s) Oct. 29 (gage height, 2.29 ft (0.698 m)).

Period of record: Maximum discharge, 55,200 ft³/s (1,560 m³/s) Oct. 16, 1955 (gage height, 19.14 ft (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 good 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	429	246	904	620	576	436	543	280	178	80	172
2	24	375	209	733	450	524	633	431	272	152	65	357
3	27	286	187	590	380	452	1,190	385	223	1,510	58	536
4	48	233	179	511	320	686	2,310	410	220	1,420	57	733
5	48	202	229	380	280	1,270	3,840	357	193	671	62	458
6	44	172	1,090	380	260	1,010	2,840	339	169	475	55	326
7	36	148	637	330	240	807	1,500	498	149	357	48	288
8	35	132	473	210	230	717	1,180	395	135	288	45	253
9	32	123	1,410	200	220	641	1,060	343	124	238	42	210
10	30	114	3,110	200	220	612	885	357	114	203	44	178
11	29	103	1,380	200	210	470	914	348	102	178	38	154
12	24	97	923	210	210	350	1,310	487	93	152	36	135
13	26	92	684	210	210	260	1,900	2,850	89	132	33	130
14	27	92	1,290	210	210	250	1,950	1,230	84	120	33	178
15	26	86	1,010	220	200	240	3,290	867	78	178	30	149
16	26	103	677	220	200	480	1,700	717	130	178	27	125
17	24	105	560	240	200	1,440	1,210	709	633	135	31	110
18	26	97	540	260	200	701	951	576	343	112	50	105
19	27	92	580	280	200	590	816	464	220	105	44	98
20	29	89	620	260	200	517	694	400	172	102	35	107
21	30	84	16,100	340	260	932	590	357	184	86	32	163
22	26	81	4,280	520	450	1,230	530	322	238	78	30	447
23	24	81	1,950	800	1,200	790	549	317	172	71	42	272
24	24	81	1,200	880	920	895	517	309	146	69	45	206
25	23	117	940	660	740	560	452	317	154	71	35	181
26	23	217	2,480	598	540	460	400	268	210	65	31	181
27	23	194	3,880	1,010	440	440	362	242	227	65	32	166
28	22	233	2,580	1,170	460	380	330	227	197	60	487	238
29	23	335	1,700	1,370	-----	310	309	230	175	56	220	1,080
30	898	286	1,290	961	-----	350	296	234	163	149	210	750
31	591	-----	970	799	-----	410	-----	197	-----	117	256	-----
TOTAL	2,321	4,879	53,404	15,856	10,270	19,350	34,944	15,726	5,689	7,771	2,333	8,486
MEAN	74.9	163	1,723	511	367	624	1,165	507	190	251	75.3	283
MAX	898	429	16,100	1,370	1,200	1,440	3,840	2,850	633	1,510	487	1,080
MIN	22	81	179	200	200	240	296	197	78	56	27	98
CFSM	.32	.69	7.30	2.17	1.56	2.64	4.94	2.15	.81	1.06	.32	1.20
IN.	.37	.77	8.42	2.50	1.62	3.05	5.51	2.48	.90	1.22	.37	1.34

CAL YR 1973 TOTAL 237,406 MEAN 650 MAX 16,100 MIN 22 CFSM 2.75 IN 37.42
WTR YR 1974 TOTAL 181,029 MEAN 496 MAX 16,100 MIN 22 CFSM 2.10 IN 28.54

PEAK DISCHARGE (BASE, 4,400 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-10	0030	7.22	5,370	04-05	1830	7.90	6,920
12-21	1500	13.34	26,300	04-15	0445	7.09	5,090
12-27	0645	6.91	4,690	05-13	0200	7.27	5,480

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, 1,132.80 ft (345.277 m) Feb. 23 (usable contents, 20,671 mil gal or 78.24 hm³); minimum, 1,062.80 ft (323.941 m) Oct. 27 (contents, 1,641 mil gal or 6.211 hm³).

Period of record: Maximum elevation observed, 1,135.17 ft (346.000 m) Oct. 16, 1955 (contents, 23,566 mil gal (89.20 hm³); minimum observed (after initial filling), 1,062.00 ft (323.698 m) Aug. 20, 1970 (contents, 1,520 mil gal (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 (320.040 m) and crest of spillway (elevation, 1,130.00 ft (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.--Daily observations and capacity table furnished by City of New York, Department of Water Resources.

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

1,062.0	1,520	1,090.0	7,407
1,065.0	1,975	1,100.0	10,080
1,070.0	2,850	1,120.0	16,100
1,080.0	4,969	1,133.0	20,750

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,070.00	1,070.82	1,086.17	1,129.84	1,130.50	1,130.38	1,130.31	1,130.42	1,129.00	1,120.50	1,103.36	1,090.07
2	1,069.27	1,072.36	1,086.84	1,129.87	1,130.48	1,130.37	1,130.35	1,130.39	1,128.25	1,120.15	1,102.65	1,090.62
3	1,068.54	1,073.55	1,087.42	1,130.04	1,130.43	1,130.32	1,130.47	1,130.24	1,127.38	1,120.90	1,101.91	1,091.77
4	1,067.80	1,074.43	1,087.88	1,130.02	1,130.44	1,130.44	1,130.75	1,130.27	1,127.08	1,124.66	1,101.18	1,094.29
5	1,067.10	1,075.12	1,087.53	1,130.22	1,130.43	1,130.53	1,130.81	1,130.16	1,126.93	1,125.97	1,100.53	1,095.58
6	1,066.38	1,075.78	1,088.57	1,130.20	1,130.42	1,130.50	1,130.98	1,130.14	1,126.71	1,126.55	1,099.81	1,096.00
7	1,065.73	1,076.28	1,089.90	1,130.20	1,130.45	1,130.44	1,130.65	1,130.27	1,126.43	1,126.78	1,099.06	1,096.10
8	1,065.11	1,076.22	1,090.27	1,130.17	1,130.37	1,130.41	1,130.56	1,130.29	1,126.11	1,126.69	1,098.34	1,096.05
9	1,064.63	1,077.13	1,090.71	1,130.19	1,130.39	1,130.36	1,130.56	1,130.30	1,125.79	1,125.88	1,097.59	1,095.81
10	1,064.24	1,077.47	1,097.60	1,130.21	1,130.41	1,130.37	1,130.47	1,130.30	1,125.44	1,124.89	1,097.01	1,095.40
11	1,064.01	1,077.76	1,102.93	1,130.24	1,130.37	1,130.30	1,130.43	1,130.32	1,124.99	1,123.80	1,096.32	1,094.89
12	1,063.54	1,078.12	1,105.97	1,130.23	1,130.20	1,130.28	1,130.60	1,130.23	1,124.39	1,122.66	1,095.61	1,094.35
13	1,063.37	1,081.32	1,108.10	1,130.18	1,130.20	1,130.25	1,130.75	1,131.05	1,123.76	1,121.44	1,094.89	1,093.76
14	1,063.25	1,078.55	1,109.90	1,130.18	1,130.22	1,130.20	1,130.82	1,130.60	1,123.05	1,120.19	1,094.17	1,093.43
15	1,063.20	1,078.86	1,113.44	1,130.22	1,130.17	1,130.22	1,131.23	1,130.48	1,122.44	1,119.00	1,093.44	1,093.06
16	1,063.18	1,079.19	1,115.44	1,130.23	1,130.15	1,130.23	1,130.71	1,130.41	1,121.84	1,117.89	1,092.68	1,092.48
17	1,063.14	1,079.50	1,117.90	1,130.22	1,130.14	1,130.65	1,130.57	1,130.43	1,121.99	1,116.68	1,091.99	1,091.86
18	1,063.12	1,079.79	1,118.15	1,130.17	1,130.14	1,130.40	1,130.47	1,130.47	1,122.97	1,115.40	1,091.35	1,091.28
19	1,063.12	1,080.09	1,118.36	1,130.24	1,130.13	1,130.35	1,130.45	1,130.35	1,123.52	1,114.11	1,090.69	1,090.59
20	1,063.13	1,080.37	1,117.91	1,130.24	1,130.25	1,130.33	1,130.42	1,130.30	1,123.62	1,112.81	1,090.02	1,089.20
21	1,063.15	1,080.64	1,126.45	1,130.22	1,130.22	1,130.33	1,130.35	1,130.26	1,123.55	1,111.49	1,089.35	1,087.85
22	1,063.13	1,080.87	1,131.17	1,130.51	1,130.22	1,130.60	1,130.33	1,130.26	1,123.39	1,110.14	1,088.68	1,087.51
23	1,063.12	1,081.11	1,130.62	1,130.52	1,132.80	1,130.45	1,130.35	1,130.25	1,123.10	1,108.88	1,088.08	1,086.92
24	1,063.11	1,081.34	1,130.33	1,130.60	1,130.35	1,130.47	1,130.35	1,130.24	1,122.71	1,108.04	1,087.60	1,085.85
25	1,063.09	1,081.64	1,130.10	1,130.40	1,130.38	1,130.38	1,130.32	1,130.28	1,122.32	1,107.35	1,087.00	1,084.45
26	1,063.02	1,082.21	1,130.60	1,130.39	1,130.33	1,130.34	1,130.30	1,130.23	1,121.99	1,106.62	1,086.20	1,083.46
27	1,062.96	1,082.78	1,130.72	1,130.52	1,130.27	1,130.32	1,130.28	1,130.21	1,121.77	1,105.94	1,086.00	1,082.17
28	1,062.92	1,083.51	1,130.45	1,130.58	1,130.34	1,130.30	1,130.27	1,130.21	1,121.52	1,105.21	1,087.47	1,081.09
29	1,062.94	1,084.42	1,130.18	1,130.67	-----	1,130.28	1,130.25	1,130.14	1,121.20	1,104.45	1,088.60	1,081.61
30	1,064.92	1,085.56	1,130.02	1,130.57	-----	1,130.29	1,130.24	1,130.06	1,120.83	1,104.33	1,089.10	1,083.32
31	1,068.85	-----	1,129.92	1,130.54	-----	1,130.31	-----	1,129.80	-----	1,103.98	1,089.73	-----
MEAN	1,064.62	1,078.79	1,111.34	1,130.28	1,130.40	1,130.37	1,130.51	1,130.30	1,124.14	1,116.24	1,093.56	1,090.36
MAX	1,070.00	1,085.56	1,131.17	1,130.67	1,132.80	1,130.65	1,131.23	1,131.05	1,129.00	1,126.78	1,103.36	1,096.10
MIN	1,062.92	1,070.82	1,086.17	1,129.84	1,130.13	1,130.20	1,130.24	1,129.80	1,120.83	1,103.98	1,086.00	1,081.09
(#)	2,854	6,339	19,645	19,738	19,704	19,704	19,746	19,282	16,307	11,093	7,438	6,081
(#)	+3.45	+180	+664	+4.64	-1.88	0	+2.17	-23.2	-153	-260	-182	-70.0

CAL YR 1973 MEAN 1,113.49 MAX 1,132.22 MIN 1,062.92 (#) -1.95
WTR YR 1974 MEAN 1,110.80 MAX 1,132.80 MIN 1,062.92 (#) +14.0

(#) Contents, in millions of gallons, on last day of month, by interpolation.

(#) Change in contents, equivalent in cubic feet per second.

NOTE.--Elevations for Dec. 10-26, Jan. 5-8, Feb. 12-27, Mar. 9 to May 30, are daily wire-weight gage readings furnished by City of New York, Department of Water Resources.

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.

EXTREMES.--Current year: Maximum discharge, 32,400 ft³/s (918 m³/s) Dec. 21 (gage height, 13.34 ft or 4.066 m), from rating curve extended above 10,000 ft³/s (283 m³/s); minimum, 0.32 cfs (0.009 m³/s) July 21, 22 (gage height, 0.76 ft or 0.232 m).

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. 21 to May 30, 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 Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.04	.77	6.9	389	1,110	870	640	1,170	3.2	11	115	7.2
2	.36	.60	1.9	218	882	786	990	680	1.3	21	55	22
3	.51	.43	7.7	960	610	816	1,500	321	1.1	194	18	104
4	.23	.36	16	635	550	1,180	2,680	20	.95	304	17	281
5	.23	.23	16	605	630	2,020	3,860	72	.80	42	39	84
6	.23	.23	30	514	640	1,470	4,400	357	.70	91	19	28
7	.17	.17	43	546	550	906	1,850	371	.62	200	19	19
8	.17	.17	45	585	590	1,030	2,020	580	.62	91	19	18
9	.11	1.7	48	291	437	924	1,860	441	.62	2.0	11	23
10	.11	13	65	230	239	852	930	605	.52	1.1	1.2	34
11	.23	13	82	441	239	762	1,160	501	.52	.85	.75	39
12	.11	12	82	445	277	762	2,200	541	.49	.66	4.0	40
13	.11	13	82	218	421	396	2,380	3,350	.44	.58	17	53
14	.11	12	83	230	630	497	2,580	1,690	.40	.52	18	78
15	.11	12	86	360	555	473	4,930	1,000	.40	1.0	18	87
16	.17	13	80	501	314	505	2,200	972	1.2	.55	11	54
17	.17	14	76	514	251	1,940	1,730	1,100	14	.42	1.2	59
18	.17	13	53	310	236	1,250	1,400	828	28	.40	.85	63
19	.17	8.4	20	3.3	307	750	1,260	810	28	.38	.62	66
20	.17	2.2	20	109	489	942	700	685	29	.36	.58	30
21	.17	.95	10,200	453	605	740	894	489	5.6	.34	.46	115
22	.11	.51	5,420	1,260	798	2,200	1,050	307	1.1	4.0	.55	150
23	.11	.36	2,490	1,480	4,930	882	745	590	64	15	2.1	100
24	.11	.29	1,360	2,250	1,470	1,280	756	528	98	16	1.1	60
25	.11	.60	346	546	1,000	1,240	465	441	31	16	.70	42
26	.11	3.0	2,460	948	1,230	610	510	429	3.0	9.0	8.7	42
27	.11	10	4,490	1,230	1,210	990	505	331	2.1	.95	28	33
28	.11	9.0	2,830	2,070	485	852	421	317	.85	.46	29	41
29	.11	10	1,360	1,780	-----	575	493	268	.66	4.5	93	216
30	2.5	10	990	1,600	-----	407	433	36	.52	127	186	211
31	1.0	-----	523	888	-----	528	-----	6.0	-----	121	78	-----
TOTAL	8.23	174.97	33,412.5	22,609.3	21,685	29,435	47,542	19,836.0	319.71	1,277.07	812.81	2,199.2
MEAN	.27	5.83	1,078	729	774	950	1,585	640	10.7	41.2	26.2	73.3
MAX	2.5	14	10,200	2,250	4,930	2,200	4,930	3,350	98	304	186	281
MIN	.04	.17	1.9	3.3	236	396	421	6.0	.40	.34	.46	7.2

CAL YR 1973 TOTAL 231,649.46 MEAN 635 MAX 11,600 MIN 0
WTR YR 1974 TOTAL 179,311.79 MEAN 491 MAX 10,200 MIN .04

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.--35 years, 945 ft³/s (26.76 m³/s).

EXTREMES.--Current year: Maximum discharge, 28,300 ft³/s (801 m³/s) Dec. 22 (gage height, 6.97 ft or 2.124 m); minimum, 14 ft³/s (0.40 m³/s) Oct. 15, 16, 17, 18 (gage height, 0.54 ft or 0.165 m).

Period of record: Maximum discharge, 76,500 ft³/s (2,170 m³/s) Oct. 16, 1955 (gage height, 12.39 ft (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. 21 to May 30, 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	161	111	2,100	2,770	1,370	1,450	1,420	347	153	728	307
2	20	112	102	1,480	2,370	1,900	2,170	1,960	307	143	528	449
3	21	102	93	1,450	1,650	1,510	3,970	1,180	271	12,900	413	1,020
4	20	90	87	1,880	1,380	2,030	5,960	836	256	7,300	317	2,360
5	21	77	95	1,420	1,100	4,230	7,060	599	241	2,920	280	1,240
6	20	74	193	1,250	1,100	4,350	8,720	661	206	3,190	280	623
7	20	68	368	1,100	1,200	2,890	4,510	929	175	1,600	234	419
8	20	64	271	940	1,200	2,590	4,070	1,220	158	1,160	206	322
9	19	62	256	780	1,000	2,320	3,790	911	143	786	187	275
10	19	60	1,280	800	960	2,060	3,400	1,060	134	545	181	241
11	19	57	1,180	1,000	808	1,780	2,910	964	129	425	175	219
12	19	63	762	1,200	746	1,740	5,350	1,040	125	356	153	198
13	18	65	564	940	805	1,230	5,980	4,400	116	307	134	200
14	17	64	589	820	1,090	920	5,730	4,160	107	263	125	400
15	16	62	818	960	1,120	998	8,220	2,520	103	375	121	400
16	15	69	525	1,100	862	1,050	6,100	1,930	103	375	112	307
17	15	69	420	1,200	682	3,520	3,980	2,790	248	263	108	248
18	16	73	410	1,000	654	3,090	3,180	2,540	326	211	104	234
19	16	77	450	851	578	2,090	2,690	1,960	211	193	97	256
20	18	72	736	549	675	1,870	1,970	1,580	170	181	97	248
21	20	68	5,920	658	966	2,100	1,880	1,350	226	176	90	400
22	20	61	17,000	2,250	1,600	4,180	1,550	1,180	515	147	83	1,270
23	21	57	5,720	3,880	7,720	2,850	1,910	947	307	134	83	797
24	22	55	3,880	4,730	3,750	3,380	1,610	1,350	226	129	206	462
25	22	58	2,130	3,280	2,410	2,780	1,380	1,440	278	176	139	356
26	22	61	3,720	1,860	2,040	2,290	1,080	1,180	256	181	112	326
27	21	81	13,800	4,820	1,930	1,510	1,040	983	271	181	108	309
28	19	97	9,380	6,340	1,780	2,040	928	911	271	176	112	288
29	18	101	5,530	5,400	-----	1,500	842	780	204	176	256	803
30	36	107	4,050	4,600	-----	1,100	917	728	176	3,870	388	1,320
31	182	-----	2,870	3,110	-----	1,200	-----	449	-----	1,370	413	-----
TOTAL	773	2,287	83,310	63,748	44,946	68,468	104,347	45,958	6,606	40,362	6,570	16,297
MEAN	24.9	76.2	2,687	2,056	1,605	2,209	3,478	1,483	220	1,302	212	543
MAX	182	161	17,000	6,340	7,720	4,350	8,720	4,400	515	12,900	728	2,360
MIN	15	55	87	549	578	920	842	449	103	129	83	198
CAL YR 1973	TOTAL 527,702		MEAN 1,446	MAX 17,000	MIN 15							
WTR YR 1974	TOTAL 483,672		MEAN 1,325	MAX 17,000	MIN 15							

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). At site used 1918-25, 3,453 mi² (8,943 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); 49 years (1925-74), 5,606 ft³/s (158.8 m³/s) (unadjusted).

EXTREMES.--Current year: Maximum discharge, 80,900 ft³/s (2,290 m³/s) Dec. 27 (gage height, 20.00 ft or 6.096 m); minimum, 148 ft³/s (4.19 m³/s) part of each day Oct. 12-17, 19-23, 25-30; Nov. 3, 8, 10-13, 16 (gage height, 4.75 ft or 1.448 m); minimum daily, 713 ft³/s (20.2 m³/s) Oct. 8.

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 Part 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). Revised figures of discharge, in cubic feet per second, for 1970, superseding figures published in WRD NY 1970 and 1971, are given herewith:

Sept. 23, 1970 3,700

Month	cfs-days	Mean	Maximum	Minimum
September 1970	71,290	2,376	5,300	1,000
WTR YR 1970	2,010,494	5,508	50,900	366
CAL YR 1970	1,988,278	5,447	50,900	366

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

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,380	2,330	6,960	13,800	16,200	7,730	6,670	4,210	3,830	2,080	3,370	2,360
2	1,480	3,700	6,290	11,300	12,600	8,570	9,330	7,550	3,430	2,360	2,540	3,000
3	1,610	3,170	4,170	8,940	9,760	8,880	13,500	5,660	2,470	26,100	2,610	3,260
4	2,240	3,950	5,400	8,450	7,720	8,660	20,200	6,070	2,800	41,900	1,790	12,600
5	2,150	3,980	5,140	7,440	6,240	17,900	27,700	5,940	3,210	19,700	2,370	7,120
6	1,850	3,370	12,900	6,520	4,990	23,300	27,000	5,360	2,630	20,200	1,920	4,550
7	1,380	3,140	11,800	6,310	5,740	20,300	21,700	5,340	2,260	12,300	2,470	3,450
8	713	1,810	8,700	6,270	6,160	18,700	18,000	7,190	1,650	8,100	1,460	2,870
9	1,540	2,000	6,220	6,010	6,340	16,200	17,400	6,860	1,560	6,250	1,680	2,310
10	1,200	2,410	14,700	5,850	5,490	13,400	14,900	8,370	1,790	2,550	1,530	2,510
11	1,450	2,120	16,500	5,660	5,540	11,100	12,200	12,000	1,840	1,770	1,320	2,610
12	1,340	2,070	14,300	5,700	5,480	9,370	17,600	11,900	2,380	3,070	1,070	2,700
13	1,320	2,340	11,500	5,900	5,590	8,140	19,100	22,400	2,790	2,940	1,030	3,040
14	1,520	2,050	9,990	5,670	5,810	6,390	18,000	21,500	2,630	2,390	1,620	7,160
15	1,130	2,200	8,030	5,540	5,830	5,790	24,000	17,000	2,350	2,370	1,430	5,640
16	1,430	5,300	7,300	6,710	5,460	5,960	25,600	12,300	2,350	2,790	1,060	4,530
17	1,120	10,800	5,960	6,790	5,110	10,900	15,400	10,700	2,900	2,480	1,040	3,390
18	1,650	7,170	4,660	6,020	4,700	12,700	12,500	13,800	3,810	2,460	1,420	3,970
19	1,760	4,590	3,100	5,360	4,560	10,300	12,300	9,920	4,790	2,920	1,500	4,720
20	1,750	4,190	3,140	5,230	4,800	8,510	11,800	7,350	3,180	1,110	1,950	4,280
21	1,280	3,740	6,890	5,160	4,950	8,240	9,200	5,890	2,910	2,210	1,830	3,460
22	1,640	3,470	23,400	6,090	5,130	9,330	9,280	5,260	3,620	2,310	1,560	6,610
23	1,640	4,040	19,700	10,000	13,200	9,820	8,720	5,220	4,130	1,100	1,400	5,520
24	1,590	5,110	14,400	13,200	17,700	9,990	10,200	4,380	3,260	1,070	1,120	5,010
25	1,520	5,980	11,300	15,000	12,600	9,380	9,000	5,880	3,130	1,860	1,470	4,060
26	1,600	6,910	8,800	12,200	10,000	7,280	6,880	5,530	3,270	1,100	1,300	3,200
27	1,540	6,850	34,400	11,600	8,920	5,890	5,780	4,930	3,290	2,160	1,550	3,360
28	1,170	7,960	54,900	29,100	8,240	3,700	6,000	4,380	4,270	1,240	1,640	3,330
29	1,420	9,900	38,500	25,800	-----	4,060	5,730	4,220	2,820	2,310	2,190	3,320
30	1,740	9,170	25,000	20,700	-----	4,810	5,240	4,310	2,420	8,060	4,540	5,910
31	2,250	-----	18,400	17,700	-----	5,250	-----	4,030	-----	4,860	4,200	-----
TOTAL	47,403	135,820	422,450	306,020	214,860	310,550	421,130	255,450	87,770	194,120	57,980	129,850
MEAN	1,529	4,527	13,630	9,872	7,674	10,020	14,040	8,240	2,926	6,262	1,870	4,328
MAX	2,250	10,800	54,900	29,100	17,700	23,300	27,700	22,400	4,790	41,900	4,540	12,600
MIN	713	1,810	3,100	5,160	4,560	3,700	5,240	4,030	1,560	1,070	1,030	2,310

CAL YR 1973 TOTAL 2,637,208 MEAN 7,225 MAX 54,900 MIN 384
WTR YR 1974 TOTAL 2,583,403 MEAN 7,078 MAX 54,900 MIN 713

PEAK DISCHARGE (BASE, 41,000 CFS)

DATE	TIME	G. H.	DISCHARGE
12-27	2100	20.00	80,900
7-03	2300	18.51	59,900

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 1973 to September 1974

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	95	65	77	3.0	3.0	3.0	3.0	124	124	136	136	136
2	113	83	65	3.0	3.0	3.0	3.0	106	130	148	148	148
3	95	71	65	3.0	3.0	3.0	3.0	100	124	118	136	112
4	107	77	89	3.0	3.0	3.0	3.0	112	100	100	124	136
5	143	77	59	3.0	3.0	3.0	3.0	94	136	112	124	100
6	107	107	59	3.0	3.0	3.0	3.0	112	148	100	106	106
7	125	71	53	3.0	3.0	3.0	3.0	100	142	106	136	124
8	119	89	59	3.0	3.0	3.0	3.0	94	142	124	166	130
9	95	71	53	3.0	3.0	3.0	3.0	112	130	136	142	100
10	113	83	77	3.0	3.0	3.0	3.0	124	100	112	142	118
11	101	89	59	3.0	3.0	3.0	3.0	100	136	148	160	112
12	95	95	59	3.0	3.0	3.0	3.0	106	148	112	118	106
13	95	83	53	3.0	3.0	3.0	3.0	88	124	136	112	118
14	101	95	53	3.0	3.0	3.0	3.0	94	142	118	106	106
15	83	101	53	3.0	3.0	3.0	624	112	148	160	124	112
16	71	77	53	3.0	3.0	3.0	94	130	106	106	154	112
17	89	77	27	3.0	3.0	3.0	82	100	124	130	118	142
18	71	71	3.0	3.0	3.0	3.0	82	142	148	130	124	142
19	77	65	3.0	3.0	3.0	3.0	88	106	130	136	124	100
20	95	83	3.0	3.0	3.0	3.0	82	112	142	130	142	130
21	77	77	3.0	3.0	3.0	3.0	82	124	118	136	136	112
22	77	101	3.0	3.0	3.0	3.0	82	136	118	142	130	130
23	113	71	3.0	3.0	3.0	3.0	148	112	142	136	136	130
24	95	59	3.0	3.0	3.0	3.0	118	124	136	124	142	100
25	107	71	3.0	3.0	3.0	3.0	106	124	100	124	142	142
26	83	71	3.0	3.0	3.0	3.0	112	106	118	142	136	136
27	83	71	3.0	3.0	3.0	3.0	106	136	124	148	130	130
28	101	65	3.0	3.0	3.0	3.0	112	118	136	142	118	106
29	89	101	3.0	3.0	-----	3.0	112	118	124	142	142	124
30	77	77	3.0	3.0	-----	3.0	124	112	136	154	142	88
31	77	-----	3.0	3.0	-----	3.0	-----	112	-----	148	136	-----
TOTAL	2,969	2,394	1,055.0	93.0	84.0	93.0	2,196.0	3,490	3,876	4,036	4,132	3,588
MEAN	95.8	79.8	34.0	3.00	3.00	3.00	73.2	113	129	130	133	120
MAX	143	107	89	3.0	3.0	3.0	624	142	148	160	166	148
MIN	71	59	3.0	3.0	3.0	3.0	3.0	88	100	100	106	88

CAL YR 1973 TOTAL 24,619.0 MEAN 67.4 MAX 789 MIN 3.0
WTR YR 1974 TOTAL 28,006.0 MEAN 76.7 MAX 624 MIN 3.0

01357500 MOHAWK RIVER AT COHOES, N.Y.

REGULATION

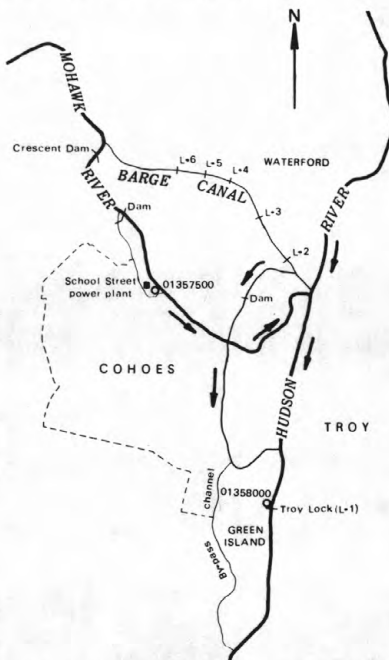
(see Reservoirs in Hudson River basin)

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.
Bypass channel from Mohawk River estimated average flow of 15 cfs not included in record.

Figure 5.--Sketch showing gaging stations and diversions near mouth of Mohawk River.

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.

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

AVERAGE DISCHARGE.--28 years, 13,170 ft³/s (373.0 m³/s).

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 except those for Oct. 1 to Dec. 6, which are poor. 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 Part 2 of this report.

DAY	UCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,490	8,620	10,500	32,000	32,300	18,600	14,100	17,400	11,600	8,120	8,790	6,730
2	5,790	10,500	10,400	29,000	26,800	19,500	16,600	22,300	10,700	8,470	7,040	6,830
3	6,070	10,000	7,400	24,300	22,900	20,300	21,400	18,800	10,100	30,600	7,140	7,920
4	6,430	9,540	8,400	22,100	20,000	19,700	30,200	19,000	9,780	51,400	6,470	20,800
5	7,000	9,500	9,000	21,000	18,500	30,700	45,100	18,400	10,100	29,400	8,150	15,700
6	6,540	8,920	17,200	19,500	15,400	40,700	52,000	16,100	9,940	30,300	7,630	11,700
7	5,750	8,150	21,300	17,700	15,900	37,000	44,000	18,200	8,260	20,500	7,990	9,390
8	5,600	6,180	17,000	17,600	15,700	37,100	35,800	20,700	8,860	14,400	6,770	7,370
9	6,350	6,620	15,200	15,200	15,200	35,300	33,800	19,400	6,580	13,100	5,780	7,600
10	5,820	6,640	23,200	14,700	15,000	27,800	29,200	21,300	6,280	9,320	5,720	7,800
11	5,500	6,370	27,100	14,900	14,500	22,000	25,500	26,100	6,860	7,920	5,300	7,610
12	5,420	5,970	25,200	15,600	13,500	18,900	33,100	27,200	7,480	6,780	5,050	7,750
13	5,180	7,640	20,800	14,700	14,200	18,200	34,900	47,800	7,680	7,620	5,560	8,210
14	4,970	5,310	20,900	14,000	14,800	14,600	33,400	50,600	7,520	7,410	5,720	13,400
15	6,260	7,210	17,900	15,300	14,400	13,400	46,300	42,900	6,790	5,820	4,930	12,600
16	4,920	8,680	16,500	15,200	14,000	13,600	55,700	34,400	6,510	7,550	4,750	10,400
17	4,800	12,200	13,400	19,000	13,100	25,900	39,700	30,400	7,320	7,880	4,960	8,750
18	5,880	9,570	11,100	15,400	12,800	25,100	32,300	33,200	10,300	7,240	5,380	9,450
19	5,590	7,810	8,790	12,800	12,600	20,500	30,200	27,700	12,300	6,440	6,220	10,100
20	5,940	6,190	12,400	13,000	13,900	17,800	28,000	23,600	8,600	5,900	5,700	8,810
21	5,480	6,750	18,600	13,500	13,300	16,600	23,800	20,500	8,340	6,570	6,160	9,110
22	5,760	6,610	60,900	15,300	15,600	19,300	22,700	19,800	10,200	6,740	6,140	14,900
23	5,760	6,470	43,200	20,200	33,200	18,600	24,500	17,600	10,200	5,450	5,230	13,100
24	5,770	7,400	31,800	25,900	34,400	19,600	29,300	17,200	6,990	6,060	5,370	12,500
25	5,900	7,660	25,000	26,500	25,900	19,600	28,900	17,900	9,120	6,060	5,490	10,500
26	5,280	8,030	21,200	22,800	22,500	16,000	23,400	17,100	9,530	5,730	3,800	9,610
27	5,260	9,450	58,300	24,300	21,700	13,900	20,000	13,800	10,100	6,250	6,330	8,700
28	5,070	9,700	86,400	50,700	19,800	11,300	18,600	13,700	9,940	4,900	6,200	8,890
29	5,770	12,100	69,300	47,800	-----	8,010	16,500	13,400	8,020	6,380	7,570	10,200
30	6,470	12,										

HUDSON RIVER BASIN

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) (revised). 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	5.09	7.33			5.65			5.16	6.71	4.89	5.09
high tide	Date	29	28	28			7			25	4	18	17
Minimum	Elevation	-2.50	-3.05	-3.32			-3.04			-1.86	-2.74	-2.30	-2.05
low tide	Date	21	10	18			14			20	20	6	2
Mean high tide		3.81	3.45	4.31			3.95			4.23	4.27	3.93	4.09
Mean water level		1.25	0.91	2.19			1.68			1.64	1.68	1.29	1.54
Mean low tide		-1.58	-1.86	-0.23			-0.89			-1.27	-1.34	-1.67	-1.34

NOTE.--No elevations recorded October 24-25, January 6 to February 20, April 11 to June 6, and September 28-30.

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.--7 years, 11.8 ft³/s (0.334 m³/s) (19.64 in/yr or 498.9 mm/yr).

EXTREMES.--Current year: Maximum discharge, 114 ft³/s (3.23 m³/s) Dec. 21 (gage height, 6.06 ft or 1.847 m); minimum, 6.9 ft³/s (0.20 m³/s) Aug. 14 (gage height, 2.27 ft or 0.692 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, 4.8 ft³/s (0.14 m³/s) Sept. 6, 1967 (gage height, 1.42 ft or 0.433 m).

REMARKS.--Records fair except those for winter periods and period of no gage-height record, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.4	9.6	9.5	14	15	13	17	17	11	9.8	9.8	9.5
2	8.6	9.4	9.4	13	12	12	15	12	11	9.3	9.7	13
3	9.5	9.2	9.9	13	12	12	15	14	12	37	9.5	17
4	9.1	9.4	9.7	13	11	16	15	14	11	14	9.8	14
5	9.5	9.4	11	12	11	15	16	12	10	12	10	11
6	9.5	9.8	11	11	10	14	15	13	10	12	9.5	10
7	9.5	10	9.8	10	9.6	13	13	14	9.8	11	9.3	10
8	9.3	11	9.3	9.6	9.4	13	14	12	9.8	11	9.0	9.8
9	9.5	10	19	9.4	9.2	12	14	12	9.8	10	12	9.7
10	9.4	9.4	16	9.2	9.0	12	15	12	9.7	10	10	9.5
11	9.2	9.4	12	9.0	8.8	13	18	12	9.5	9.8	9.2	9.5
12	8.9	9.6	11	9.2	8.6	13	18	17	9.2	9.8	9.1	9.5
13	9.0	9.8	11	9.4	8.4	14	16	26	9.3	9.8	8.9	10
14	9.4	9.8	16	9.6	8.2	14	15	15	11	9.7	8.3	11
15	9.6	9.8	12	9.8	8.0	13	18	14	10	10	7.8	9.7
16	10	9.8	13	9.4	7.6	17	14	13	13	10	8.1	9.5
17	10	10	16	9.0	7.4	19	14	16	14	9.7	9.0	9.7
18	10	10	25	8.8	7.2	13	13	13	11	9.5	9.3	10
19	9.6	10	27	8.8	7.4	14	13	12	10	13	8.8	9.8
20	9.4	10	32	9.0	11	13	12	12	10	11	8.5	10
21	9.4	11	72	9.4	12	19	12	12	14	10	8.2	15
22	9.4	10	35	11	18	17	13	12	11	9.8	8.2	13
23	9.4	10	28	13	18	15	13	12	10	9.4	10	10
24	9.0	10	28	13	14	15	13	14	9.8	9.5	10	10
25	9.4	11	37	12	13	15	12	12	13	10	8.8	10
26	9.4	11	36	12	13	14	12	12	11	10	8.8	10
27	9.4	10	28	20	13	13	11	12	10	11	9.1	9.9
28	9.4	11	18	19	13	13	12	12	10	11	11	13
29	9.4	10	15	20	-----	12	12	12	9.9	11	15	14
30	14	10	15	16	-----	13	12	12	9.7	25	11	11
31	12	-----	13	15	-----	16	-----	11	-----	10	10	-----
TOTAL	297.6	299.4	614.6	366.6	304.8	437	422	415	319.5	365.1	295.7	328.1
MEAN	9.60	9.98	19.8	11.8	10.9	14.1	14.1	13.4	10.7	11.8	9.54	10.9
MAX	14	11	72	20	18	19	18	26	14	37	15	17
MIN	8.4	9.2	9.3	8.8	7.2	12	11	11	9.2	9.3	7.8	9.5
CFSM	1.18	1.22	2.43	1.45	1.34	1.73	1.73	1.64	1.31	1.45	1.17	1.34
IN.	1.36	1.36	2.80	1.67	1.39	1.99	1.92	1.89	1.46	1.66	1.35	1.50

CAL YR 1973 TOTAL 5,763.6 MEAN 15.8 MAX 72 MIN 8.0 CFSM 1.94 IN 26.28
WTR YR 1974 TOTAL 4,465.4 MEAN 12.2 MAX 72 MIN 7.2 CFSM 1.50 IN 20.36

PEAK DISCHARGE (BASE, 60 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-21	1230	6.06	114	7-30	0400	4.85	60
7-03	0900	5.39	82				

NOTE.--No gage-height record Oct. 13 to Nov. 19.

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.--7 years, 165 ft³/s (4.673 m³/s).

EXTREMES.--Current year: Maximum discharge, 3,880 ft³/s (110 m³/s) July 3 (gage height, 10.15 ft (3.094 m)); minimum 13 ft³/s (0.37 m³/s) Oct. 12, 13, 16 (gage height, 1.45 ft (0.442 m)); minimum gage height, 1.31 ft (0.399 m) June 13, 14, July 23, 24.
Period of record: Maximum discharge, 4,390 ft³/s (124 m³/s) Nov. 9, 1972 (gage height, 10.43 ft (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 good except those for winter periods, which are fair. Diversion above station for municipal supply by city of Watervliet.

REVISIONS (WATER YEARS).--WRD N.Y. 1972: 1968(P), 1969(M), 1970(P).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	24	18	239	386	120	266	135	53	44	93	45
2	24	23	16	180	242	137	392	108	47	61	62	57
3	27	22	17	156	175	120	451	102	46	1,600	48	296
4	24	20	17	135	168	173	528	187	44	789	48	808
5	24	20	20	115	133	510	488	126	41	370	47	373
6	24	27	23	108	115	466	525	102	40	308	43	206
7	23	30	19	102	104	330	318	137	38	190	48	135
8	22	31	18	87	98	278	284	122	38	117	42	101
9	23	29	45	82	95	198	287	99	38	87	58	81
10	16	27	41	78	95	163	263	95	38	76	51	69
11	15	27	153	76	84	124	367	89	41	66	41	57
12	14	27	148	78	76	110	767	115	36	58	35	51
13	14	28	104	80	70	89	609	717	18	44	41	52
14	15	27	139	84	69	67	466	488	33	51	41	80
15	14	27	196	86	64	62	572	482	27	50	39	70
16	14	28	108	80	60	89	395	296	37	42	40	55
17	16	26	85	78	55	550	266	260	182	41	42	41
18	18	26	92	78	52	333	198	248	165	33	42	45
19	17	26	135	80	52	231	152	28	94	28	41	45
20	16	25	600	86	70	177	124	25	71	23	40	48
21	16	26	925	93	74	211	108	23	93	22	40	137
22	17	26	500	150	177	448	101	23	222	21	40	339
23	18	27	392	284	674	411	96	24	105	17	55	150
24	18	27	266	435	352	482	89	31	71	16	53	93
25	18	30	214	345	248	269	84	25	126	23	43	73
26	19	29	862	269	165	180	80	22	114	33	42	67
27	19	24	1,390	711	120	145	66	23	94	38	42	60
28	19	20	824	1,220	110	117	63	42	78	38	48	73
29	20	18	547	834	-----	96	62	66	73	43	67	278
30	51	18	420	553	-----	93	63	66	66	296	52	214
31	32	-----	299	438	-----	128	-----	56	-----	198	47	-----
TOTAL	631	765	8,633	7,420	4,183	6,907	8,530	4,362	2,169	4,823	1,471	4,199
MEAN	20.4	25.5	278	239	149	223	284	141	72.3	156	47.5	140
MAX	51	31	1,390	1,220	674	550	767	717	222	1,600	93	808
MIN	14	18	16	76	52	62	62	22	18	16	35	41
(f)	6.45	6.63	6.55	6.46	6.63	6.64	6.80	6.33	6.68	6/68	6.50	7.00

CAL YR 1973 TOTAL 69,137 MEAN 189 MAX 2,830 MIN 14 + 6.09
WTR YR 1974 TOTAL 54,093 MEAN 148 MAX 1,600 MIN 14 + 6.61

PEAK DISCHARGE (BASE, 2,200 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-20	2230	7.53	2,350	07-03	1700	10.15	3,880
01-28	0045	8.04	2,260				

f Diversion, equivalent in cubic feet per second, by City of Watervliet for water supply (figures furnished by Watervliet Water Department).

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.--17 years, 34.7 ft³/s (0.983 m³/s) (14.46 in/yr or 367.3 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,190 ft³/s (33.7 m³/s) Dec. 21 (gage height, 3.57 ft or 1.088 m); minimum, 3.0 ft³/s (0.08 m³/s) Aug. 7 (gage height, 0.55 ft or 0.168 m); minimum daily, 5.1 ft³/s (0.14 m³/s) Aug. 13, 16, 22.
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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.4	11	9.0	84	76	51	82	75	39	14	9.3	9.3
2	6.4	11	8.8	69	54	47	78	52	34	14	8.1	31
3	7.5	8.1	9.4	60	110	42	78	41	28	96	7.5	33
4	7.5	7.5	9.4	54	240	57	69	47	25	85	7.0	46
5	8.1	7.5	9.6	44	170	82	109	39	22	40	7.0	28
6	7.5	7.5	14	44	110	63	150	34	20	41	7.0	19
7	7.0	7.0	15	39	100	54	97	55	17	27	5.9	17
8	7.0	7.0	15	41	80	48	85	47	17	21	6.4	16
9	7.0	6.4	40	74	60	41	84	39	16	17	5.9	13
10	7.5	6.4	68	109	48	40	85	36	15	15	6.4	11
11	7.5	6.4	60	109	58	35	111	36	14	13	5.9	10
12	8.1	5.5	54	80	34	35	187	41	14	11	5.5	9.3
13	8.1	5.5	45	44	68	24	193	267	13	11	5.1	9.3
14	8.1	5.5	60	50	64	26	138	133	13	10	7.5	25
15	7.5	5.9	56	68	30	26	201	85	13	16	5.5	21
16	8.1	6.4	50	65	32	45	131	66	13	12	5.1	14
17	8.1	7.0	45	39	64	184	97	82	18	10	7.5	11
18	8.7	7.0	25	52	24	107	82	69	29	9.3	11	12
19	8.7	6.4	20	100	26	82	71	52	17	8.7	6.4	11
20	9.3	6.4	20	70	49	69	63	44	14	8.7	5.5	16
21	8.7	5.9	470	88	44	113	57	39	22	8.1	5.5	50
22	8.7	6.4	436	170	78	190	51	37	35	8.1	5.1	80
23	8.7	6.4	246	190	246	122	48	40	21	7.5	11	43
24	8.7	5.9	140	190	110	105	47	49	17	8.1	22	30
25	8.1	7.5	120	90	70	76	42	54	18	8.7	8.1	25
26	8.1	10	120	76	54	65	39	44	24	8.1	6.4	26
27	8.1	10	348	170	42	58	35	42	19	9.3	5.9	22
28	8.1	9.6	278	190	47	52	34	36	17	10	15	31
29	8.7	9.8	181	190	-----	44	31	34	15	18	19	75
30	20	9.6	136	130	-----	44	30	34	14	17	14	67
31	14	-----	97	100	-----	66	-----	29	-----	12	11	-----
TOTAL	264.0	222.5	3,205.2	2,879	2,188	2,093	2,605	1,778	593	594.6	258.5	810.9
MEAN	8.52	7.42	103	92.9	78.1	67.5	86.8	57.4	19.8	19.2	8.34	27.0
MAX	20	11	470	190	246	190	201	267	39	96	22	80
MIN	6.4	5.5	8.8	39	24	24	30	29	13	7.5	5.1	9.3
CFSM	.26	.23	3.16	2.85	2.40	2.07	2.66	1.76	.61	.59	.26	.83
IN.	.30	.25	3.66	3.29	2.50	2.39	2.97	2.03	.68	.68	.29	.93

CAL YR 1973 TOTAL 17,719.0 MEAN 48.5 MAX 470 MIN 5.5 CFSM 1.49 IN 20.22
WTR YR 1974 TOTAL 17,491.7 MEAN 47.9 MAX 470 MIN 5.1 CFSM 1.47 IN 19.96

PEAK DISCHARGE (BASE, 400 CFS)

DATE	TIME	G. H.	DISCHARGE
12-21	1900	3.57	1,190
12-27	1000	2.29	402

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.--7 years, 52.5 ft³/s (1.487 m³/s).

EXTREMES.--Current year: Maximum discharge, 1,840 ft³/s (52.1 m³/s) Dec. 21 (gage height, 8.41 ft or 2.563 m); minimum daily, 1.8 ft³/s (0.051 m³/s) Aug. 20, 23.

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); 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 and period of doubtful gage-height record, 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.4	13	5.9	89	108	52	114	156	27	12	4.9	3.1
2	2.5	8.4	4.8	75	68	49	130	98	25	12	3.8	4.0
3	2.9	6.8	4.8	68	56	44	128	72	24	570	4.3	5.0
4	2.3	5.7	4.5	61	50	65	156	77	22	208	3.5	20
5	2.4	5.7	5.6	51	46	116	213	56	22	91	3.3	14
6	2.7	4.8	22	48	43	93	231	49	22	62	3.0	11
7	2.4	4.0	14	46	41	77	142	65	20	43	3.5	9.6
8	2.7	6.0	10	33	40	67	114	51	18	34	3.0	8.6
9	2.5	4.0	48	29	37	60	106	45	17	28	2.8	7.8
10	2.1	3.9	183	30	34	55	112	42	15	24	2.6	7.2
11	2.8	3.8	73	30	30	46	173	43	14	22	2.4	6.8
12	2.7	3.7	50	33	28	43	288	39	13	14	2.2	6.4
13	2.5	3.8	41	33	26	36	291	258	14	6.3	4.6	6.4
14	2.7	3.3	113	29	25	32	231	195	12	5.7	7.4	11
15	2.2	3.6	90	26	24	31	264	112	12	7.4	5.4	9.4
16	2.9	3.6	55	25	23	52	160	80	12	6.4	3.3	8.0
17	2.5	3.6	45	25	22	234	126	64	16	5.5	2.2	9.0
18	2.9	3.7	55	32	21	114	93	86	19	5.5	2.0	8.7
19	2.9	3.4	46	21	20	86	77	60	14	5.2	2.5	8.4
20	2.4	3.6	38	21	52	62	62	51	14	4.9	1.8	9.0
21	2.9	3.6	971	20	52	120	57	45	22	5.4	2.2	16
22	2.8	3.3	372	40	146	200	52	41	18	5.0	1.9	27
23	2.5	3.6	188	60	321	136	49	38	14	5.0	1.8	14
24	2.8	3.4	120	76	116	128	46	39	12	5.4	2.3	11
25	2.7	4.0	82	66	84	82	42	46	14	5.2	2.7	11
26	2.7	4.8	110	65	62	67	38	46	18	5.5	2.3	9.8
27	2.5	5.1	490	270	50	60	32	37	16	5.4	4.0	9.4
28	2.7	6.2	288	261	48	49	29	39	15	5.0	7.0	14
29	2.8	6.8	193	264	-----	41	27	30	13	4.9	4.5	53
30	47	6.2	146	170	-----	40	27	29	12	12	4.0	31
31	25	-----	104	134	-----	62	-----	29	-----	6.4	3.6	-----
TOTAL	147.8	145.4	3,972.6	2,231	1,673	2,399	3,610	2,118	506	1,232.1	104.8	369.6
MEAN	4.77	4.85	128	72.0	59.8	77.4	120	68.3	16.9	39.7	3.38	12.3
MAX	47	13	971	270	321	234	291	258	27	570	7.4	53
MIN	2.1	3.3	4.5	20	20	31	27	29	12	4.9	1.8	3.1

CAL YR 1973 TOTAL 23,907.4 MEAN 65.5 MAX 1,490 MIN 2.1
WTR YR 1974 TOTAL 18,509.3 MEAN 50.7 MAX 971 MIN 1.8

PEAK DISCHARGE (BASE, 800 CFS)

DATE	TIME	G. H.	DISCHARGE
12-21	1500	8.41	1,840
7-03	1130	7.69	1,360

NOTE.--Doubtful gage-height July 5 to Sept. 17.

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.--7 years, 54.8 ft³/s (1.552 m³/s).

EXTREMES.--Current year: Maximum discharge, 1,510 ft³/s (42.8 m³/s) Dec. 21 (gage height, 5.14 ft (1.567 m)); minimum, 0.06 ft³/s (0.002 m³/s) Oct. 1 (gage height, 0.71 ft (0.216 m)); minimum gage height, 0.49 ft (0.149 m) Aug. 27, 28.
Period of record: Maximum discharge, 1,780 ft³/s (50.4 m³/s) July 1, 1973 (gage height, 5.43 ft (1.655 m)); minimum, 0.02 ft³/s (0.001 m³/s) Aug. 19-21, 1970 (gage height, 0.52 ft (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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.14	9.6	1.3	91	86	57	114	74	30	5.0	3.6	.66
2	.20	6.8	.82	74	65	55	98	53	32	4.3	2.8	1.5
3	.29	5.5	3.3	63	60	48	110	28	22	170	2.2	1.8
4	.26	8.7	3.3	56	54	53	142	83	22	180	1.7	9.2
5	.76	7.2	4.0	44	50	66	216	36	18	158	1.5	6.8
6	.64	6.5	11	38	45	61	339	24	16	101	1.2	5.0
7	.58	4.8	13	33	42	58	243	36	14	59	1.1	4.5
8	.58	4.6	11	30	38	52	192	30	13	40	1.4	4.5
9	.70	4.3	29	28	35	48	202	24	12	23	1.0	3.8
10	.76	1.2	117	27	31	46	207	23	11	18	1.0	3.6
11	.39	1.8	67	26	29	39	154	33	9.2	18	.89	2.9
12	.23	10	48	25	26	36	248	36	7.3	11	.84	2.8
13	.20	3.7	36	24	24	29	354	327	6.8	6.8	.74	2.7
14	.26	2.6	102	24	22	27	330	240	6.3	5.7	2.0	3.6
15	.35	2.2	102	23	20	27	367	178	6.3	8.0	2.0	2.5
16	.23	2.4	67	23	19	33	294	134	7.3	6.3	.50	2.4
17	.18	.58	66	22	17	107	182	144	9.9	4.0	.39	2.2
18	.14	3.3	62	22	17	88	146	120	10	3.3	.47	3.3
19	.14	3.7	62	22	17	69	112	88	7.0	3.4	.36	2.5
20	.10	3.7	64	22	18	62	83	69	5.7	4.3	.31	2.3
21	.08	.53	660	24	34	94	69	43	6.8	2.9	.36	4.3
22	1.2	1.1	451	27	81	164	62	37	11	2.4	.33	8.0
23	.23	1.2	218	35	230	124	65	38	7.3	2.0	.31	6.0
24	.18	1.2	136	45	133	125	64	40	6.0	1.9	.31	5.0
25	.18	3.5	104	38	103	98	56	63	6.0	1.9	.36	3.6
26	.18	11	104	35	74	67	56	49	7.0	1.8	.33	3.3
27	.29	5.4	250	125	61	98	33	38	6.8	2.2	.31	2.9
28	.35	4.3	230	168	56	70	26	36	6.0	2.8	.59	5.2
29	.48	4.6	178	170	-----	52	24	33	6.0	2.9	.62	21
30	17	4.3	142	127	-----	42	25	27	5.2	9.5	.84	15
31	16	-----	106	104	-----	74	-----	24	-----	6.0	.84	-----
TOTAL	43.30	130.31	3,448.72	1,615	1,487	2,069	4,613	2,208	333.9	865.4	31.20	142.86
MEAN	1.40	4.34	111	52.1	53.1	66.7	154	71.2	11.1	27.9	1.01	4.76
MAX	17	11	660	170	230	164	367	327	32	180	3.6	21
MIN	.08	.53	.82	22	17	27	24	23	5.2	1.8	.31	.66

CAL YR 1973 TOTAL 28,623.26 MEAN 78.4 MAX 1,360 MIN .08
WTR YR 1974 TOTAL 16,987.69 MEAN 46.5 MAX 660 MIN .08

PEAK DISCHARGE (BASE, 350 CFS)

DATE	TIME	G.H.	DISCHARGE
12-21	1730	5.14	1,510
04-05	2315	3.09	357
04-15	0345	3.17	384

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.--64 years, 124 ft³/s (3.512 m³/s) (17.19 in/yr (436.6 mm/yr)).

EXTREMES.--Current year: Maximum discharge, 4,610 ft³/s (131 m³/s) Dec. 21, (gage height, 7.91 ft (2.411 m)), from rating curve extended above 2,600 ft³/s (73.6 m³/s); minimum, 0.33 ft³/s (0.009 m³/s) Oct. 14 (gage height, 1.61 ft (0.491 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.6	60	40	246	180	130	195	277	51	14	30	46
2	1.6	51	34	180	170	150	372	155	43	13	22	49
3	2.0	37	30	179	160	131	638	140	39	1,240	17	96
4	2.0	30	30	158	150	226	771	143	37	529	15	168
5	2.0	24	37	120	120	376	932	122	33	265	17	163
6	2.0	23	122	110	120	274	611	117	30	206	16	102
7	1.6	21	96	110	110	237	380	150	24	140	14	78
8	1.6	20	80	72	110	214	342	124	22	98	11	60
9	1.6	20	353	68	100	189	305	111	20	71	11	49
10	1.6	17	590	76	100	189	274	104	17	52	11	37
11	1.6	16	316	84	96	150	417	102	14	42	12	30
12	1.6	14	220	86	94	120	585	140	11	32	11	24
13	1.6	14	170	86	92	100	616	98	11	27	7.9	22
14	1.2	14	250	86	90	94	544	237	9.2	21	13	65
15	.70	13	200	84	88	100	918	187	9.2	21	12	43
16	.40	13	160	82	88	189	448	166	20	20	13	32
17	.40	13	120	78	88	384	331	220	39	16	15	26
18	.40	13	120	76	86	226	271	181	22	13	13	30
19	.70	13	130	74	84	200	234	145	17	12	12	28
20	1.6	13	140	72	84	179	200	122	13	12	11	24
21	1.6	13	2,430	80	80	338	176	106	16	11	12	46
22	1.6	13	796	140	150	331	158	98	32	7.9	13	119
23	1.6	12	461	290	480	255	153	90	20	7.2	22	74
24	1.6	13	220	200	180	277	148	86	15	7.2	18	52
25	1.6	14	160	150	166	192	133	94	12	7.2	16	42
26	1.6	24	499	170	130	168	119	78	15	7.2	15	43
27	1.6	27	1,360	723	120	158	106	69	26	6.5	14	39
28	2.0	29	796	519	110	140	98	67	22	6.5	27	71
29	2.4	47	494	519	-----	104	90	60	19	8.5	44	226
30	140	43	392	334	-----	111	86	59	16	76	55	171
31	88	-----	280	240	-----	129	-----	51	-----	66	55	-----
TOTAL	271.40	674	11,126	5,492	3,626	6,061	10,651	3,899	674.4	3,055.2	574.9	2,055
MEAN	8.75	22.5	359	177	130	196	355	126	22.5	98.6	18.5	68.5
MAX	140	60	2,430	723	480	384	932	277	51	1,240	55	226
MIN	.40	12	30	68	80	94	86	51	9.2	6.5	7.9	22
CFSM	.09	.23	3.66	1.81	1.33	2.00	3.62	1.29	.23	1.01	.19	.70
IN	.10	.26	4.22	2.08	1.38	2.30	4.04	1.48	.26	1.16	.22	.78
CAL YR 1973	TOTAL 57,236.40	MEAN 157	MAX 2,430	MIN .40	CFSM 1.60	IN 21.73						
WTR YR 1974	TOTAL 48,159.90	MEAN 132	MAX 2,430	MIN .40	CFSM 1.35	IN 18.28						

PEAK DISCHARGE (BASE, 2,300 CFS)

DATE	TIME	G. H.	DISCHARGE
12-21	1330	7.91	4,610
07-03	1100	6.93	3,390

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.--6 years, 53.4 ft³/s (1.512 m³/s) (20.54 in/yr (521.7 mm/yr)).

EXTREMES.--Current year: Maximum discharge, 2,620 ft³/s (74.2 m³/s) July 3 (gage height, 6.48 ft (1.975 m)), from rating curve extended as explained below; minimum, 0.67 ft³/s (0.019 m³/s) Oct. 16, 19, 22, 27 (gage height, 2.26 ft (0.689 m)).

Period of record: Maximum discharge, 2,620 ft³/s (74.2 m³/s) July 3, 1974 (gage height, 6.48 ft (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 good except those for the winter periods, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	14	7.0	84	95	43	75	127	16	16	10	15
2	1.2	11	6.5	69	71	46	118	82	14	13	8.5	16
3	1.3	8.3	6.3	55	60	51	204	62	13	1,270	7.0	33
4	1.2	6.5	6.1	51	51	77	306	64	13	405	6.3	80
5	1.2	5.8	6.5	48	44	170	365	49	11	133	8.3	51
6	1.2	5.4	13	43	40	142	301	44	9.0	80	7.0	32
7	1.1	4.7	13	37	38	103	149	59	7.8	52	6.0	25
8	1.0	4.6	11	32	37	88	118	51	7.0	37	5.2	20
9	1.0	4.4	77	25	36	71	110	46	6.3	27	4.7	15
10	.97	4.0	170	26	34	66	103	40	5.8	20	4.7	12
11	.90	4.0	88	29	33	50	156	40	5.4	16	4.5	9.5
12	.84	3.7	59	30	32	44	265	61	4.9	13	4.2	8.5
13	.86	3.6	43	30	31	37	292	270	4.7	11	4.1	8.0
14	.90	3.5	77	29	30	36	225	124	4.6	8.8	4.1	14
15	.88	3.5	66	29	30	37	340	82	4.4	12	3.8	14
16	.86	3.6	44	28	30	47	177	62	28	9.0	3.6	9.5
17	.84	3.6	32	27	29	166	113	84	163	7.8	3.9	7.8
18	.82	3.6	31	26	29	108	88	75	75	7.2	4.2	8.0
19	.82	3.6	31	26	28	82	73	54	34	6.8	3.8	7.8
20	.86	3.5	33	28	27	66	61	43	22	6.3	3.7	7.3
21	.86	3.4	910	40	30	124	52	36	24	5.8	3.6	11
22	.84	3.3	375	50	50	163	48	32	40	5.2	3.7	27
23	.82	3.3	196	64	100	115	47	29	28	5.1	4.1	19
24	.82	3.3	130	84	60	113	44	27	21	5.1	5.4	15
25	.82	3.6	90	70	54	84	43	29	21	5.6	4.5	12
26	.84	4.2	118	64	45	64	37	24	30	5.2	4.2	11
27	.84	4.5	505	270	41	54	31	21	29	5.6	4.2	10
28	.86	4.7	370	306	40	48	28	19	23	6.0	7.5	13
29	.94	7.5	208	270	-----	39	26	19	18	5.8	8.5	57
30	42	7.3	139	163	-----	38	25	18	16	16	16	54
31	20	-----	98	118	-----	47	-----	16	-----	16	17	-----
TOTAL	89.49	150.0	3,959.4	2,251	1,225	2,419	4,020	1,789	698.9	2,232.3	186.3	622.4
MEAN	2.89	5.00	128	72.6	43.8	78.0	134	57.7	23.3	72.0	6.01	20.7
MAX	42	14	910	306	100	170	365	270	163	1,270	17	80
MIN	.82	3.3	6.1	25	27	36	25	16	4.4	5.1	3.6	7.3
CFSM	.08	.14	3.63	2.06	1.24	2.21	3.80	1.63	.66	2.04	.17	.59
IN.	.09	.16	4.17	2.37	1.29	2.55	4.24	1.89	.74	2.35	.20	.66

CAL YR 1973 TOTAL 22,934.99 MEAN 62.8 MAX 1,040 MIN .82 CFSM 1.78 IN 24.17
WTR YR 1974 TOTAL 19,642.79 MEAN 53.8 MAX 1,270 MIN .82 CFSM 1.52 IN 20.70

PEAK DISCHARGE (BASE, 650 CFS)

DATE	TIME	G. H.	DISCHARGE
12-21	1430	5.85	1,710
07-03	1100	6.48	2,620

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.--11 years, 132 ft³/s (3.738 m³/s) (30.13 in/yr or 765.3 mm/yr).

EXTREMES.--Current year: Maximum discharge, 5,710 ft³/s (162 m³/s) Dec. 21; minimum, 9.0 ft³/s (0.25 m³/s) Oct. 26-29 (gage height, 4.65 ft or 1.417 m).

Period of record: Maximum discharge, 7,870 ft³/s (223 m³/s) July 28, 1969 (gage height, 10.88 ft (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 Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	96	102	355	280	230	176	188	137	100	92	140
2	13	105	96	292	252	220	188	167	115	84	26	120
3	16	88	92	248	224	210	224	167	100	125	24	110
4	14	78	88	224	199	200	578	170	96	120	26	150
5	14	68	144	199	179	200	1,130	170	90	102	32	170
6	14	62	292	182	160	210	894	182	88	88	26	220
7	12	58	228	160	140	230	594	199	82	86	23	160
8	11	55	188	130	130	220	466	192	76	84	22	140
9	12	49	420	120	120	200	412	188	76	76	22	120
10	15	44	699	110	115	190	340	185	80	64	20	100
11	13	41	460	110	105	180	305	158	72	50	18	80
12	11	39	330	98	100	170	310	270	72	44	18	70
13	12	37	256	94	92	160	395	568	70	38	18	54
14	12	34	268	90	88	150	520	514	60	42	30	43
15	11	34	232	84	92	140	850	424	60	50	16	36
16	11	39	199	82	80	140	580	360	98	45	13	40
17	11	39	188	76	76	180	448	310	122	42	13	42
18	13	38	167	80	72	300	355	272	108	39	14	35
19	11	37	158	84	68	200	310	236	80	37	16	28
20	11	35	149	90	64	130	272	216	78	34	21	26
21	11	34	3,370	100	74	219	228	199	84	32	15	25
22	10	34	1,380	149	70	232	199	182	92	30	13	31
23	10	34	762	146	160	216	199	170	78	29	14	36
24	10	34	502	179	340	216	188	158	78	28	16	42
25	10	46	406	179	270	213	164	143	76	28	18	50
26	9.0	62	582	179	250	196	149	137	78	28	22	56
27	9.5	64	1,140	248	240	185	155	125	96	30	17	53
28	9.5	88	902	340	230	176	167	118	94	28	20	94
29	10	112	650	442	-----	167	161	110	94	25	50	252
30	166	110	514	395	-----	158	152	102	94	23	210	252
31	94	-----	418	330	-----	158	-----	94	-----	40	170	-----
TOTAL	598.0	1,694	15,382	5,595	4,270	5,996	11,109	6,674	2,624	1,671	1,055	2,775
MEAN	19.3	56.5	496	180	153	193	370	215	87.5	53.9	34.0	92.5
MAX	166	112	3,370	442	340	300	1,130	568	137	125	210	252
MIN	9.0	34	88	76	64	130	149	94	60	23	13	25
CFSM	.32	.95	8.34	3.03	2.57	3.24	6.22	3.61	1.47	.91	.57	1.55
IN.	.37	1.06	9.62	3.50	2.67	3.75	6.95	4.17	1.64	1.04	.66	1.73

CAL YR 1973 TOTAL 74,831.0 MEAN 205 MAX 3,370 MIN 9.0 CFSM 3.45 IN 46.79
WTR YR 1974 TOTAL 59,443.0 MEAN 163 MAX 3,370 MIN 9.0 CFSM 2.74 IN 37.16

PEAK DISCHARGE (BASE, 1,100 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-21	1300	Unknown	5,710	4-05	1500	7.66	1,570
12-27	0700	7.32	1,270				

NOTE.--Indefinite stage-discharge relationship Dec. 21; no gage-height record Feb. 16 to Mar. 20, Aug. 14 to Sept. 25.

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, 27,400 ft³/s (776 m³/s) Dec. 21 (gage height, 15.67 ft or 4.776 m); minimum daily, 105 ft³/s (2.97 m³/s) Oct. 22-25; minimum gage height, 3.97 ft (1.210 m) Feb. 16.

Period of record: Maximum discharge, 59,600 ft³/s (1,690 m³/s) Mar. (corrected) 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	276	237	282	1,830	886	599	694	637	1,140	593	525	315
2	282	268	259	1,380	766	530	760	582	1,040	560	515	505
3	301	220	241	659	676	465	862	772	973	790	505	515
4	286	190	296	582	599	626	1,800	778	599	790	505	643
5	272	172	927	505	480	904	3,530	736	566	724	510	718
6	254	224	1,620	455	430	886	2,830	766	545	688	485	670
7	241	150	1,280	410	380	796	1,680	850	525	648	470	665
8	224	141	1,130	329	340	730	1,280	582	515	748	465	637
9	204	135	2,250	291	310	665	1,110	490	505	966	460	610
10	182	127	2,720	280	300	610	892	530	495	938	495	593
11	159	125	1,580	270	290	535	850	485	520	917	450	571
12	147	120	1,090	270	291	480	945	1,040	588	904	435	555
13	138	117	851	280	295	415	1,190	2,920	582	898	430	550
14	130	115	1,370	311	283	390	1,440	1,630	571	886	420	582
15	120	115	1,000	410	239	347	3,010	1,220	566	945	410	545
16	112	125	780	311	207	632	1,730	952	742	892	400	525
17	110	122	680	275	235	1,030	1,320	796	826	868	435	515
18	110	115	676	225	200	700	1,040	670	311	856	435	505
19	107	115	1,200	240	207	632	917	571	264	844	400	577
20	107	112	1,650	303	342	571	796	490	425	826	385	826
21	107	110	14,100	530	279	898	700	430	505	808	356	880
22	105	110	4,470	808	1,500	966	632	385	632	790	338	945
23	105	107	2,630	648	2,560	814	615	365	593	694	360	880
24	105	110	1,980	778	1,340	868	560	338	577	525	351	868
25	105	144	1,940	676	996	754	505	315	604	500	329	862
26	115	175	2,660	626	796	676	455	279	615	495	295	862
27	110	175	4,230	1,220	665	610	415	253	621	495	214	844
28	107	246	3,580	1,490	593	550	380	253	599	500	232	917
29	107	335	2,800	1,670	-----	495	347	425	593	540	250	1,390
30	379	305	2,310	1,310	-----	505	342	545	577	637	370	1,250
31	250	-----	1,980	1,070	-----	694	-----	654	-----	550	365	-----
TOTAL	5,357	4,862	64,562	20,442	16,485	20,373	33,627	21,739	18,214	22,815	12,595	21,320
MEAN	173	162	2,083	659	589	657	1,121	701	607	736	406	711
MAX	379	335	14,100	1,830	2,560	1,030	3,530	2,920	1,140	966	525	1,390
MIN	105	107	241	225	200	347	342	253	264	495	214	315

CAL YR 1973 TOTAL 294,612 MEAN 807 MAX 14,100 MIN 105
WTR YR 1974 TOTAL 262,391 MEAN 719 MAX 14,100 MIN 105

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).

EXTREMES.--Current year: Maximum discharge, 9,800 ft³/s (278 m³/s) Dec. 21 (gage height, 21.08 ft or 6.425 m); minimum daily, 26 ft³/s (0.74 m³/s) Aug. 16; minimum gage height, 12.09 ft (3.685 m) Oct. 25, 26 and Aug. 17.

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.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	151	250	590	2,020	1,040	1,200	471	280	188	70	160
2	34	138	204	535	1,560	972	1,400	427	278	178	58	180
3	39	117	179	438	1,470	834	1,430	306	205	455	51	150
4	50	102	165	387	1,460	795	1,510	318	202	730	49	270
5	47	92	227	328	1,180	902	2,560	327	178	530	64	300
6	42	84	1,040	303	791	1,000	4,810	354	152	471	56	360
7	38	78	701	285	609	1,100	4,110	545	131	312	47	290
8	37	73	468	250	532	1,070	2,850	520	120	235	43	230
9	37	69	837	207	459	965	2,400	427	113	184	40	180
10	36	66	2,180	209	380	888	2,100	451	106	148	40	140
11	35	62	1,200	200	290	814	1,670	493	96	118	46	108
12	33	60	748	190	270	630	1,680	686	83	99	37	95
13	33	59	523	180	240	516	1,700	2,160	100	85	33	83
14	31	58	1,020	183	220	463	1,770	2,810	86	89	31	83
15	28	55	1,010	187	210	392	3,070	2,400	80	103	28	78
16	27	60	688	187	196	471	3,410	1,790	97	106	26	67
17	27	63	556	184	191	1,850	2,760	1,310	674	89	29	61
18	27	60	451	225	176	1,780	2,180	923	403	76	52	63
19	28	57	335	193	179	1,510	1,740	614	262	70	50	63
20	29	54	309	176	368	1,290	1,490	435	200	66	40	61
21	28	52	5,280	183	388	1,040	1,250	312	188	57	34	69
22	28	53	4,120	361	1,000	2,060	1,010	260	248	54	30	150
23	30	54	1,770	434	3,220	1,660	874	235	188	51	28	129
24	30	53	1,030	499	3,320	1,450	783	245	164	50	32	100
25	27	88	671	482	2,710	1,250	630	280	200	58	33	86
26	27	122	719	447	2,040	937	520	218	312	59	32	83
27	28	127	1,500	734	1,460	847	450	192	295	58	34	78
28	29	204	1,530	1,480	1,160	658	354	178	250	61	80	80
29	28	363	1,190	1,790	-----	540	318	170	212	57	82	314
30	227	309	890	2,140	-----	455	306	168	194	91	174	441
31	212	-----	673	2,300	-----	860	-----	150	-----	93	160	-----
TOTAL	1,388	2,983	32,464	16,287	28,099	31,039	52,335	20,175	6,097	5,021	1,609	4,552
MEAN	44.8	99.4	1,047	525	1,004	1,001	1,745	651	203	162	51.9	152
MAX	227	363	5,280	2,300	3,320	2,060	4,810	2,810	674	730	174	441
MIN	27	52	165	176	176	392	306	150	80	50	26	61

CAL YR 1973 TOTAL 270,574 MEAN 741 MAX 7,180 MIN 27
 WTR YR 1974 TOTAL 202,049 MEAN 554 MAX 5,280 MIN 26

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 county road bridge, 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; datum 847.00 ft (258.17 m) Oct. 4, 1938 to July 3, 1949 and 846.00 ft (257.86 m) July 3, 1949 to July 5, 1951, above mean sea level (levels by Board of Water Supply, City of New York).

AVERAGE DISCHARGE.--37 years, 96.4 ft³/s (2.730 m³/s) (34.00 in/yr or 863.6 mm/yr).

EXTREMES.--Current year: Maximum discharge, 3,340 ft³/s (94.6 m³/s) Dec. 21 (gage height, 7.05 ft or 2.149 m); minimum, 13 ft³/s (0.37 m³/s) Aug. 22, 23 (gage height, 2.50 ft or 0.762 m).

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 good except those for winter periods, which are fair.

REVISIONS (WATER YEAR).--WSP 1702: 1952.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	49	105	185	188	130	148	130	163	80	32	48
2	14	46	96	155	150	118	173	93	86	61	29	130
3	26	37	91	138	130	110	218	106	71	78	30	102
4	19	33	84	125	120	140	387	104	69	69	31	114
5	19	32	330	110	110	191	748	95	62	61	27	84
6	17	31	370	102	100	173	518	110	60	60	25	71
7	15	30	232	95	96	168	316	133	55	54	24	76
8	15	30	187	82	90	163	247	112	54	50	22	69
9	14	29	495	76	84	150	225	108	52	46	21	61
10	15	28	546	72	80	153	185	118	48	43	26	55
11	14	27	303	68	78	138	179	108	46	42	20	50
12	14	27	229	66	74	128	194	255	45	39	19	46
13	14	27	189	66	74	112	211	409	45	36	18	45
14	14	26	254	64	87	106	211	251	40	35	18	43
15	14	27	196	64	70	100	325	200	39	40	16	39
16	14	40	163	60	67	218	228	168	105	34	15	38
17	14	32	140	58	67	239	194	145	107	31	25	36
18	14	28	120	54	64	165	173	128	67	30	27	39
19	15	27	110	56	70	153	170	114	56	32	19	36
20	14	26	165	62	96	140	153	102	55	29	16	35
21	14	25	2,060	106	74	228	140	95	74	26	15	50
22	14	29	740	128	320	204	130	87	76	25	14	58
23	13	27	360	116	437	170	125	87	62	24	34	39
24	13	31	239	125	225	191	114	78	60	30	32	35
25	13	75	188	108	185	165	104	72	74	34	20	35
26	13	57	443	104	155	153	96	69	72	27	18	35
27	13	67	732	207	135	143	91	66	67	34	34	32
28	13	124	505	271	128	130	84	64	62	30	38	70
29	14	146	335	325	-----	118	80	64	64	62	30	135
30	92	118	259	251	-----	125	84	60	62	95	93	96
31	40	-----	207	221	-----	158	-----	55	-----	42	67	-----
TOTAL	561	1,331	10,473	3,720	3,554	4,780	6,251	3,786	1,998	1,379	855	1,802
MEAN	18.1	44.4	338	120	127	154	208	122	66.6	44.5	27.6	60.1
MAX	92	146	2,060	325	437	239	748	409	163	95	93	135
MIN	13	25	84	54	64	100	80	55	39	24	14	32
CFSM	.47	1.15	8.78	3.12	3.30	4.00	5.40	3.17	1.73	1.16	.72	1.56
IN.	.54	1.29	10.12	3.59	3.43	4.62	6.04	3.66	1.93	1.33	.83	1.74

CAL YR 1973 TOTAL 47,076 MEAN 129 MAX 2,060 MIN 13 CFSM 3.35 IN 45.49
WTR YR 1974 TOTAL 40,490 MEAN 111 MAX 2,060 MIN 13 CFSM 2.88 IN 39.12

PEAK DISCHARGE (BASE, 1,200 CFS)

DATE	TIME	G. H.	DISCHARGE
12-21	1230	7.05	3,340

HUDSON RIVER BASIN

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 highway 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.--36 years, 38.2 ft³/s (1.082 m³/s) (24.82 in/yr or 630.4 mm/yr).

EXTREMES.--Current year: Maximum discharge, about 1,500 ft³/s (42.5 m³/s) Dec. 21; maximum gage height, 3.08 ft (0.939 m) Dec. 21 (ice jam); minimum, 3.3 ft³/s (0.09 m³/s) Jan. 21 (gage height, 0.60 ft or 0.183 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 fair. Slight seasonal regulation caused by Beaverdam Pond on Red Brook.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	31	35	73	40	65	87	69	157	49	29	61
2	12	24	31	65	29	61	102	51	63	27	20	153
3	17	18	29	59	19	59	107	57	45	34	21	115
4	12	15	26	52	14	69	137	55	37	34	21	99
5	13	14	103	42	11	80	226	47	32	24	18	65
6	12	13	91	40	21	76	157	51	24	21	16	53
7	11	13	53	35	47	76	89	61	24	19	15	57
8	11	12	43	30	46	69	73	59	24	17	13	47
9	10	12	97	24	45	65	80	51	21	16	13	39
10	10	12	142	20	38	65	73	57	19	15	18	32
11	9.5	12	77	16	30	61	82	53	18	14	12	23
12	11	11	56	14	30	50	80	121	18	13	10	21
13	12	10	47	12	30	40	78	168	17	12	11	23
14	11	10	66	10	32	38	80	80	17	11	10	24
15	10	11	51	9.0	26	36	127	69	16	12	9.7	19
16	10	18	38	7.8	22	120	76	61	121	10	9.0	18
17	10	14	33	7.0	23	137	71	55	65	9.7	21	17
18	11	12	32	6.2	23	69	65	49	42	9.7	18	17
19	11	12	32	5.6	30	71	69	39	29	9.7	12	16
20	10	12	34	5.1	52	68	63	34	29	9.0	10	15
21	10	12	500	5.1	46	140	57	34	39	9.0	9.7	27
22	10	12	226	17	210	100	51	30	35	8.4	9.0	27
23	9.5	12	115	20	200	70	53	44	25	8.4	24	19
24	9.5	17	78	20	76	72	55	32	23	15	25	18
25	9.5	45	60	15	72	54	45	32	39	14	14	17
26	9.5	35	180	10	60	56	39	32	40	10	12	17
27	9.5	35	310	30	56	56	39	25	31	16	20	15
28	10	68	239	73	58	52	30	24	24	23	21	59
29	12	62	134	115	-----	46	29	29	24	137	25	80
30	38	43	94	80	-----	51	35	27	24	140	124	55
31	23	-----	78	57	-----	71	-----	24	-----	49	67	-----
TOTAL	376.0	627	3,130	974.8	1,386	2,143	2,355	1,620	1,122	795.9	657.4	1,248
MEAN	12.1	20.9	101	31.4	49.5	69.1	78.5	52.3	37.4	25.7	21.2	41.6
MAX	38	68	500	115	210	140	226	166	157	140	124	153
MIN	9.5	10	26	5.1	11	36	29	24	16	8.4	9.0	15
CFSM	.58	1.00	4.83	1.50	2.37	3.31	3.76	2.50	1.79	1.23	1.01	1.99
IN.	.67	1.12	5.57	1.74	2.47	3.81	4.19	2.88	2.00	1.42	1.17	2.22

CAL YR 1973 TOTAL 20,222.1 MEAN 55.4 MAX 1,050 MIN 8.8 CFSM 2.65 IN 35.99
WTR YR 1974 TOTAL 16,435.1 MEAN 45.0 MAX 500 MIN 5.1 CFSM 2.15 IN 29.25

PEAK DISCHARGE (BASE, 500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-21	0830	a3.08	1,500	2-22	2030	2.15	601
12-26	2400	2.15	565	9-02	0030	2.11	529

a Backwater from ice.

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, 1955-57. 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.--17 years, 98.2 ft³/s (2.781 m³/s) (23.52 in/yr or 597.4 mm/yr).

EXTREMES.--Current year: Maximum discharge, 3,250 ft³/s (92.0 m³/s) Dec. 21 (gage height, 7.00 ft or 2.134 m); minimum, 14 ft³/s (0.40 m³/s) July 23 (gage height, 0.71 ft or 0.216 m).

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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	58	94	241	288	152	321	160	204	117	56	132
2	20	48	76	207	238	142	383	102	152	74	40	309
3	30	42	68	171	204	127	417	109	100	58	36	288
4	27	37	65	157	176	144	420	120	83	53	37	374
5	25	36	179	132	144	184	431	92	70	46	40	227
6	24	35	306	124	127	171	408	96	61	42	31	144
7	22	33	190	113	120	149	312	142	54	37	28	184
8	22	32	139	96	110	127	265	109	51	33	26	142
9	22	31	498	83	100	124	297	96	49	31	25	102
10	21	30	587	80	90	129	265	160	45	29	25	81
11	20	29	359	76	85	117	271	157	43	28	23	68
12	19	29	259	70	80	104	312	278	40	27	22	59
13	19	27	210	66	75	98	300	613	39	26	21	53
14	21	27	700	64	70	89	271	362	36	25	21	54
15	22	27	560	62	67	83	356	276	33	25	20	46
16	25	37	400	60	65	195	276	215	90	24	20	42
17	23	39	250	58	63	425	227	176	204	22	67	37
18	25	34	170	56	63	282	195	147	90	20	111	37
19	25	31	150	56	65	241	184	124	61	22	53	36
20	25	33	160	58	100	221	168	107	51	21	36	34
21	24	28	1,200	70	140	333	147	96	67	20	29	37
22	23	32	904	90	350	402	132	89	78	18	26	62
23	23	31	461	110	640	309	127	87	56	17	28	48
24	23	35	327	150	350	303	115	90	51	20	38	38
25	23	90	250	180	265	238	87	90	61	23	31	34
26	24	87	315	165	204	204	92	74	76	22	27	33
27	24	96	609	318	163	179	85	68	61	44	26	31
28	94	201	625	452	147	157	78	68	53	34	25	65
29	157	184	437	520	-----	134	74	78	51	160	45	193
30	96	124	336	387	-----	144	74	81	50	285	362	160
31	80	-----	271	324	-----	268	-----	67	-----	111	247	-----
TOTAL	1,047	1,603	11,155	4,796	4,589	5,975	7,090	4,529	2,160	1,514	1,622	3,150
MEAN	33.8	53.4	360	155	164	193	236	146	72.0	48.8	52.3	105
MAX	157	201	1,200	520	640	425	431	613	204	285	362	374
MIN	19	27	65	56	63	83	74	67	33	17	20	31
CFSM	.60	.94	6.35	2.73	2.89	3.40	4.16	2.58	1.27	.86	.92	1.85
IN.	.69	1.05	7.32	3.15	3.01	3.92	4.65	2.97	1.42	.99	1.06	2.07

CAL YR 1973 TOTAL 63,949 MEAN 175 MAX 1,850 MIN 18 CFSM 3.09 IN 41.96
WTR YR 1974 TOTAL 49,230 MEAN 135 MAX 1,200 MIN 17 CFSM 2.38 IN 32.30

PEAK DISCHARGE (BASE, 800 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-09	1915	4.11	1,060	2-23	0045	3.99	995
12-21	1530	7.00	3,250	5-12	2400	4.11	1,040
12-28	0800	3.65	825				

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, 16,600 ft³/s (470 m³/s) Dec. 21 (gage height, 19.71 ft or 6.008 m); minimum, 46 ft³/s (1.30 m³/s) July 23, 24, Aug. 17 (gage height, 8.84 ft or 2.694 m).

Period of record: Maximum discharge, 35,800 ft³/s (1,010 m³/s) Oct. 16, 1955 (gage height, 36.8 ft (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 fair. 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	80	345	550	1,270	1,340	692	1,810	699	678	479	403	734
2	79	376	467	1,140	1,060	699	2,080	531	803	386	280	1,360
3	95	293	387	895	905	629	2,150	473	556	387	174	1,220
4	141	235	350	763	780	650	2,040	657	443	376	153	2,080
5	122	207	485	609	700	779	2,320	531	330	267	174	1,240
6	119	187	1,870	570	620	763	2,640	461	280	211	147	819
7	106	171	1,080	524	560	678	1,690	706	247	178	116	835
8	97	162	827	449	500	643	1,300	602	228	150	104	706
9	90	147	2,030	335	450	615	1,330	518	218	130	93	557
10	88	130	4,090	340	420	650	1,220	678	200	116	82	392
11	80	119	2,040	360	400	629	1,330	811	184	106	75	316
12	79	114	1,410	380	380	570	1,590	741	162	97	66	271
13	77	111	1,060	420	370	467	1,490	3,200	168	88	62	239
14	75	106	2,650	450	360	409	1,310	1,740	150	84	57	239
15	73	104	1,790	500	320	381	1,560	1,200	138	86	53	221
16	73	119	1,220	560	300	678	1,270	935	153	82	49	190
17	71	156	1,030	620	300	2,600	973	699	779	75	95	162
18	71	144	885	680	300	1,430	835	596	556	66	325	156
19	73	127	741	760	320	1,080	771	492	306	69	214	153
20	75	119	905	840	992	992	727	420	232	63	135	162
21	69	116	11,600	964	811	1,430	629	370	218	57	97	187
22	66	119	7,220	1,670	1,580	2,380	576	376	320	53	80	370
23	66	127	2,920	1,410	4,500	1,500	550	365	267	49	75	259
24	65	127	1,880	1,390	1,990	1,350	498	355	221	50	93	200
25	63	284	1,300	1,120	1,350	1,120	461	340	350	77	135	187
26	62	420	1,480	1,000	954	855	403	302	608	77	119	181
27	60	392	3,630	1,670	755	763	387	271	365	73	111	171
28	57	827	3,490	2,460	699	664	355	263	275	122	127	162
29	63	1,020	2,520	2,880	-----	576	330	259	239	692	150	935
30	492	685	1,820	2,020	-----	544	325	298	224	1,120	1,200	992
31	461	-----	1,390	1,580	-----	1,150	-----	259	-----	678	1,450	-----
TOTAL	3,288	7,589	65,117	30,629	24,016	28,366	34,950	20,148	9,898	6,544	6,494	15,696
MEAN	106	253	2,101	988	858	915	1,165	650	330	211	209	523
MAX	492	1,020	11,600	2,880	4,500	2,600	2,640	3,200	803	1,120	1,450	2,080
MIN	57	104	350	335	300	381	325	259	138	49	49	153
CAL YR 1973	TOTAL 301,107	MEAN 825	MAX 11,600	MIN 57								
WTR YR 1974	TOTAL 252,735	MEAN 692	MAX 11,600	MIN 49								

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.--37 years, 213 ft³/s (6.032 m³/s) (20.66 in/yr or 524.8 mm/yr).

EXTREMES.--Current year: Maximum discharge, about 1,700 ft³/s (48.1 m³/s) Dec. 22; maximum gage height, 10.2 ft (3.11 m) Dec. 22 (from highwater mark, ice jam); minimum, 25 ft³/s (0.71 m³/s) July 23-24 (gage height, 3.02 ft or 0.920 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).

REVISIONS.--WRD N.Y. 1966: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39	397	151	647	542	263	711	220	218	118	56	125
2	39	252	121	553	425	265	804	212	287	125	39	274
3	99	171	106	453	300	258	793	190	184	89	60	357
4	116	139	102	399	290	258	775	222	147	75	102	478
5	75	119	152	349	300	263	811	186	127	67	247	491
6	57	111	408	340	270	241	852	169	109	104	139	388
7	50	104	383	317	260	216	833	222	94	82	72	313
8	47	97	271	282	256	206	716	200	91	60	55	308
9	46	96	313	202	214	280	676	167	89	50	50	245
10	44	89	566	241	202	375	760	216	84	45	46	192
11	42	82	617	293	210	368	764	256	76	40	41	158
12	39	81	489	349	192	304	661	226	69	34	33	134
13	38	79	353	280	196	256	553	504	67	32	31	118
14	39	79	397	230	224	226	548	591	64	30	27	178
15	40	76	473	220	204	218	625	453	61	29	25	178
16	41	75	403	210	169	252	665	320	75	28	24	132
17	39	73	310	190	169	511	557	262	284	26	29	107
18	37	66	330	180	161	568	438	241	274	25	123	102
19	37	64	310	210	184	442	399	210	178	28	87	99
20	37	63	297	250	419	372	432	182	112	30	53	89
21	35	60	707	252	353	403	388	167	99	24	44	96
22	34	61	1,400	445	397	636	338	156	125	21	38	125
23	34	64	1,600	566	604	685	313	145	107	20	42	111
24	34	64	1,500	628	520	591	291	156	132	22	55	87
25	34	84	1,250	582	370	489	265	176	132	37	66	76
26	34	114	1,010	493	302	394	241	161	145	33	56	73
27	32	104	968	524	265	349	220	136	123	30	46	69
28	31	130	1,050	678	256	313	206	130	102	33	44	79
29	55	245	1,040	771	-----	282	196	130	97	87	86	372
30	434	204	927	784	-----	262	188	136	94	139	161	453
31	511	-----	782	694	-----	482	-----	119	-----	109	194	-----
TOTAL	2,269	3,443	18,786	12,612	8,254	11,028	16,019	6,861	3,846	1,672	2,171	6,007
MEAN	73.2	115	606	407	295	356	534	221	128	53.9	70.0	200
MAX	511	397	1,600	784	604	685	852	591	287	139	247	491
MIN	31	60	102	180	161	206	188	119	61	20	24	69
CFSM	.52	.82	4.33	2.91	2.11	2.54	3.81	1.58	.91	.39	.50	1.43
IN.	.60	.91	4.99	3.35	2.19	2.93	4.26	1.82	1.02	.44	.58	1.60

CAL YR 1973 TOTAL 107,292 MEAN 294 MAX 1,600 MIN 31 CFSM 2.10 IN 28.51
WTR YR 1974 TOTAL 92,968 MEAN 255 MAX 1,600 MIN 20 CFSM 1.82 IN 24.70

PEAK DISCHARGE (BASE, 1,200 CFS)

DATE TIME G. H. DISCHARGE
12-22 - - About 1,700

NOTE.--No gage height record Dec. 22-24.

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.--37 years, 164 ft³/s (4.644 m³/s) (22.73 in/yr or 577.3 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,160 ft³/s (61.2 m³/s) Dec. 22 (gage height, 6.64 ft or 2.024 m); minimum, 14 ft³/s (0.40 m³/s) Aug. 16, 17 (gage height, 1.29 ft or 0.393 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 winter periods and discharges above 400 ft³/s (11.3 m³/s), which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	220	110	482	406	209	494	159	150	122	37	94
2	25	180	94	438	359	206	538	148	173	108	31	136
3	51	140	86	390	359	200	514	146	134	86	35	148
4	49	106	83	359	362	198	570	160	116	77	44	221
5	41	86	104	327	434	195	635	142	102	68	59	227
6	35	75	190	302	345	190	650	138	87	114	42	198
7	32	66	198	284	266	180	595	148	78	90	33	190
8	31	60	185	257	355	173	518	142	75	68	29	193
9	29	59	215	221	200	183	570	134	72	57	26	160
10	27	55	341	320	170	203	695	160	66	50	25	138
11	26	52	462	366	140	212	635	170	60	46	22	116
12	26	51	430	355	120	209	555	165	53	41	20	104
13	27	51	380	314	110	198	514	278	51	37	18	84
14	26	49	366	266	110	183	506	383	47	32	18	120
15	25	49	402	215	100	170	570	390	44	27	17	100
16	31	48	387	150	96	178	590	355	75	26	15	77
17	30	46	331	120	92	242	518	311	233	25	18	66
18	29	43	334	110	90	296	454	275	230	23	33	59
19	31	42	418	120	90	302	410	224	185	26	26	54
20	30	41	320	140	140	287	390	168	134	26	23	50
21	29	40	518	175	180	293	362	142	108	23	22	52
22	28	42	1,670	257	200	376	330	132	100	22	38	63
23	28	42	2,000	308	272	430	305	128	89	20	74	54
24	28	44	1,530	345	296	406	284	132	104	22	75	47
25	27	54	1,100	355	278	373	260	138	136	29	69	43
26	26	63	820	341	257	334	236	124	144	26	66	41
27	26	60	800	355	236	302	206	114	130	25	65	38
28	28	74	785	426	218	278	175	112	114	24	60	44
29	35	134	715	498	-----	257	160	114	116	54	63	136
30	66	126	615	502	-----	248	150	120	108	69	89	175
31	280	-----	530	458	-----	320	-----	106	-----	52	118	-----
TOTAL	1,226	2,198	16,519	9,556	6,281	7,831	13,389	5,558	3,314	1,515	1,310	3,228
MEAN	39.5	73.3	533	308	224	253	446	179	110	48.9	42.3	108
MAX	280	220	2,000	502	434	430	695	390	233	122	118	227
MIN	24	40	83	110	90	170	150	106	44	20	15	38
CFSM	.40	.75	5.44	3.14	2.29	2.58	4.55	1.83	1.12	.50	.43	1.10
IN.	.47	.83	6.27	3.63	2.38	2.97	5.08	2.11	1.26	.58	.50	1.23

CAL YR 1973 TOTAL 82,478 MEAN 226 MAX 2,000 MIN 23 CFMS 2.31 IN 31.31
WTR YR 1974 TOTAL 71,925 MEAN 197 MAX 2,000 MIN 15 CFMS 2.01 IN 27.30

PEAK DISCHARGE (BASE, 840 CFS)

DATE	TIME	G. H.	DISCHARGE
12-22	1845	6.64	2,160

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.--37 years, 12.6 ft³/s (0.357 m³/s) (17.57 in/yr or 446.3 mm/yr).

EXTREMES.--Current year: Maximum discharge, 661 ft³/s (18.7 m³/s) Dec. 21 (gage height, 4.87 ft or 1.484 m), minimum, 0.50 ft³/s (0.014 m³/s) Aug. 16, 17 (gage height, 1.34 ft or 0.408 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 poor prior to July and good thereafter. 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.74	4.4	2.6	38	26	16	88	11	19	10	1.3	1.4
2	1.2	2.8	1.9	28	22	14	56	6.6	9.4	4.1	1.2	7.0
3	2.9	2.1	1.9	24	21	13	41	10	7.0	2.9	1.9	11
4	1.4	1.7	1.9	24	19	12	116	9.4	5.8	2.4	3.8	19
5	1.1	1.5	11	20	16	12	75	6.6	4.8	3.2	5.4	5.8
6	.98	1.4	12	19	14	9.8	54	7.0	3.8	2.9	1.7	3.5
7	.86	1.3	5.8	17	15	9.0	38	9.0	2.8	1.8	1.3	10
8	.86	1.3	4.4	14	13	9.0	32	6.2	2.8	1.5	1.2	5.8
9	.86	1.2	71	13	11	17	122	5.4	2.6	1.4	1.1	3.8
10	.86	1.2	32	15	10	23	65	14	2.1	1.4	1.1	2.9
11	.74	1.1	15	17	10	14	44	9.4	1.8	1.4	.74	2.1
12	.74	1.2	12	16	9.0	13	36	24	1.7	1.3	1.2	1.8
13	.74	1.2	9.8	13	10	10	43	38	1.5	1.3	.86	3.2
14	.74	1.3	29	12	12	10	36	16	1.4	1.2	.74	7.8
15	.64	1.2	14	11	9.0	9.8	120	13	1.4	1.2	.64	2.6
16	.74	1.3	11	13	6.6	32	47	10	13	1.2	.56	1.9
17	.64	1.2	12	15	7.4	45	36	9.8	18	1.2	3.5	1.7
18	.74	1.2	13	11	6.6	21	29	9.0	5.4	.98	2.6	1.7
19	.74	1.2	10	16	14	21	34	7.0	3.4	1.7	1.2	1.5
20	.74	1.1	11	15	21	18	26	5.8	2.6	1.1	.86	1.5
21	.74	1.1	430	23	12	88	21	5.1	6.2	.86	.74	3.2
22	.74	1.3	154	48	34	53	19	4.8	4.4	.86	.74	3.8
23	.74	1.3	63	45	32	34	16	4.8	3.8	.86	1.3	1.9
24	.74	1.7	42	47	15	32	14	5.8	5.1	1.1	1.1	1.5
25	.74	3.8	31	35	15	23	12	5.8	11	1.2	.74	1.4
26	.74	3.2	56	31	15	21	11	4.1	9.8	1.1	1.1	1.5
27	.86	2.1	90	81	13	18	9.8	3.5	5.8	1.4	1.1	1.4
28	.64	8.2	85	70	13	16	9.0	3.5	4.1	1.2	.98	8.2
29	5.8	9.0	51	72	-----	13	8.2	5.4	4.4	6.2	1.1	29
30	25	3.8	40	43	-----	20	7.4	4.8	3.8	5.1	2.1	11
31	7.4	-----	36	36	-----	112	-----	3.5	-----	1.7	1.4	-----
TOTAL	63.10	66.4	1,359.3	882	421.6	758.6	1,265.4	278.3	168.7	65.76	45.30	158.9
MEAN	2.04	2.21	43.8	28.5	15.1	24.5	42.2	8.98	5.62	2.12	1.46	5.30
MAX	25	9.0	430	81	34	112	122	38	19	10	5.4	29
MIN	.64	1.1	1.9	11	6.6	9.0	7.4	3.5	1.4	.86	.56	1.4
CFSM	.21	.23	4.50	2.93	1.55	2.52	4.33	.92	.58	.22	.15	.54
INF.	.24	.25	5.19	3.37	1.61	2.90	4.83	1.06	.64	.25	.17	.61
CAL YR 1973	TOTAL 6,960.43 MEAN 19.1 MAX 430 MIN .57 CFSM 1.96 IN 26.58											
WTR YR 1974	TOTAL 5,533.36 MEAN 15.2 MAX 430 MIN .56 CFSM 1.56 IN 21.13											

PEAK DISCHARGE (BASE, 200 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-09	1645	3.19	218	4-04	0600	3.29	238
12-21	1345	4.87	661	4-09	0945	3.16	212
3-21	1530	3.35	250	4-15	0300	3.42	265

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.--50 years, 1,039 ft³/s (29.42 m³/s) (19.84 in/yr or 503.9 mm/yr).

EXTREMES.--Current year: Maximum discharge, 14,600 ft³/s (413 m³/s) Dec. 21 (gage height 12.80 ft or 3.901 m); minimum, 90 ft³/s (2.55 m³/s), July 24 (gage height, 2.24 ft or 0.683 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 good except those for winter periods, which are poor.

REVISIONS.--WSP 756: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	139	1,450	717	3,030	2,860	1,430	4,880	839	675	561	398	561
2	130	1,030	561	2,720	2,250	1,530	4,450	830	1,200	567	262	591
3	148	724	472	2,270	1,720	1,430	3,900	789	892	472	203	1,110
4	230	543	426	1,970	1,540	1,480	3,570	1,100	648	377	232	1,900
5	294	431	609	1,720	1,100	1,520	3,920	910	531	326	398	1,790
6	227	366	1,970	1,640	1,000	1,290	4,220	738	454	321	525	1,350
7	185	326	1,710	1,510	900	1,160	3,480	856	387	377	377	1,230
8	167	302	1,270	1,230	850	1,030	2,900	874	341	326	253	1,260
9	157	280	2,190	650	850	1,110	3,880	746	326	253	200	965
10	146	266	4,470	600	830	1,580	4,520	910	316	228	174	717
11	139	253	3,020	560	810	1,620	3,900	1,320	284	196	167	567
12	137	236	2,460	540	800	1,390	3,240	1,150	262	167	151	472
13	137	232	1,970	530	790	1,150	2,750	3,220	262	155	134	414
14	134	232	3,280	520	780	946	2,660	2,730	240	142	126	398
15	128	228	2,900	510	770	856	3,760	2,230	219	137	121	508
16	123	232	1,900	500	760	1,260	3,640	1,770	249	123	111	454
17	123	232	1,300	510	750	3,600	2,810	1,370	1,310	121	145	366
18	128	223	1,000	520	740	2,720	2,320	1,120	1,270	108	240	307
19	128	207	900	560	720	2,260	2,040	919	789	111	284	280
20	128	200	1,000	700	900	2,060	2,040	753	573	126	245	266
21	128	196	8,000	1,000	1,000	2,680	1,850	634	454	123	174	262
22	128	200	9,810	2,700	2,900	4,650	1,630	585	543	111	139	331
23	128	203	7,010	2,400	5,180	3,360	1,460	555	478	98	139	382
24	126	215	5,960	2,200	3,230	2,880	1,320	579	431	93	185	321
25	123	420	5,310	2,000	2,390	2,510	1,170	648	628	100	200	262
26	123	561	5,050	2,600	1,890	2,060	1,040	579	782	108	189	232
27	123	567	6,690	4,400	1,540	1,780	901	525	634	207	189	215
28	118	946	6,570	5,410	1,360	1,550	804	484	514	249	178	253
29	123	1,150	5,300	5,480	-----	1,380	738	478	443	789	196	1,300
30	821	983	4,330	4,450	-----	1,220	703	555	420	696	371	1,710
31	1,870	-----	3,480	3,550	-----	2,730	-----	531	-----	573	634	-----
TOTAL	6,939	13,434	101,635	58,980	41,210	58,222	80,496	31,327	16,555	8,341	7,340	20,774
MEAN	224	448	3,279	1,903	1,472	1,878	2,683	1,011	552	269	237	692
MAX	1,870	1,450	9,810	5,480	5,180	4,650	4,880	3,220	1,310	789	634	1,900
MIN	118	196	426	500	720	856	703	478	219	93	111	215
CFSM	.32	.63	4.61	2.68	2.07	2.64	3.77	1.42	.78	.38	.33	.97
IN.	.36	.70	5.32	3.09	2.16	3.05	4.21	1.64	.87	.44	.38	1.09

CAL YR 1973 TOTAL 540,310 MEAN 1,480 MAX 12,000 MIN 118 CFSM 2.08 IN 28.27
WTR YR 1974 TOTAL 445,253 MEAN 1,220 MAX 9,810 MIN 93 CFSM 1.72 IN 23.30

PEAK DISCHARGE (BASE, 6,400 CFS)

DATE	TIME	G. H.	DISCHARGE
12-21	1930	12.80	14,600
12-27	0730	8.69	7,050

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 (revised). 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 1973 TO SEPTEMBER 1974

		OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
Maximum	Elevation	4.52	3.71	4.76			4.47	3.88	4.17	3.90	3.85	3.79	3.39
high tide	Date	29	28	21			31	4	24	25	4	18	29
Minimum	Elevation	-1.42	-2.49	-2.68			-2.67	-1.36	-1.66	-1.18	-1.50	-1.31	-1.86
low tide	Date	6	2	19			18	10	2	20	20	9	14
Mean high tide		2.73	2.28	2.67			2.24	2.72	2.94	2.98	2.88	2.67	2.58
Mean water level		1.05	.59	1.03			.63	1.02	1.19	1.25	1.17	.98	.82
Mean low tide		-.69	-1.14	-.66			-1.08	-.73	-.65	-.58	-.64	-.82	-1.08

NOTE.--No elevations recorded January 14 to February 6, February 23 to March 6, September 22-26.

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 miscellaneous measurements 1960-62. Jan. 1969 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 40 ft (12 m) (from topographic map).

AVERAGE DISCHARGE.--5 years, 18.0 ft³/s (0.510 m³/s) (24.20 in/yr or 614.7 mm/yr).

EXTREMES.--Current year: Maximum discharge, about 250 ft³/s (7.08 m³/s) Dec. 21; minimum, 1.8 ft³/s (0.051 m³/s) Oct. 13.

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 fair except those for winter periods and periods at no gage-height record, which are 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.7	3.8	4.8	29	52	24	39	17	16	13	6.4	5.3
2	2.7	3.5	4.4	25	43	26	35	14	11	7.7	5.3	8.7
3	2.9	3.0	4.8	23	32	24	30	16	9.2	17	5.3	15
4	2.8	3.3	4.6	21	26	21	35	16	8.7	13	6.0	27
5	3.3	3.2	14	19	22	19	36	13	7.3	11	12	10
6	2.6	3.2	16	18	20	16	38	12	6.4	9.6	5.7	7.7
7	2.1	3.0	7.7	17	18	14	28	14	6.0	7.3	4.9	14
8	2.1	3.2	7.2	13	16	13	25	12	5.7	6.0	4.9	8.7
9	2.0	3.6	36	15	19	14	71	11	5.7	5.7	4.5	6.4
10	2.0	3.5	32	17	16	15	54	24	5.3	5.3	4.1	5.7
11	2.0	3.3	15	18	15	13	48	17	4.9	4.9	3.8	4.9
12	2.0	3.5	10	17	15	15	43	20	5.3	4.5	3.4	4.5
13	2.0	3.6	8.6	16	14	15	39	39	6.8	4.1	3.4	5.2
14	2.4	3.8	19	17	15	13	34	20	4.9	4.1	3.4	5.8
15	2.6	3.6	13	16	13	12	52	15	4.5	5.7	3.4	5.0
16	2.6	4.0	10	15	12	29	33	12	10	4.5	3.0	4.5
17	2.4	4.8	19	14	12	72	28	11	20	4.1	6.4	4.8
18	2.5	3.6	7.0	15	11	38	29	11	45	4.1	16	5.0
19	2.7	3.6	15	17	10	29	30	9.2	12	5.3	5.7	4.5
20	2.5	3.5	50	14	18	24	24	8.2	9.6	5.7	4.5	4.4
21	2.5	3.5	200	13	21	52	22	7.7	9.2	3.8	4.1	6.2
22	2.5	5.0	150	23	23	57	20	7.7	9.6	3.4	3.8	5.8
23	2.5	4.0	80	25	60	37	22	12	7.7	3.4	5.7	4.7
24	2.5	4.2	50	27	50	31	20	13	8.2	4.1	6.4	3.6
25	2.3	9.5	39	26	41	25	17	14	15	4.9	4.1	3.3
26	2.4	5.8	50	25	32	23	17	11	12	3.8	3.4	3.2
27	2.7	4.4	77	36	26	20	15	10	9.6	18	3.8	3.1
28	3.0	5.2	68	60	23	19	14	8.7	8.7	9.2	3.8	6.0
29	3.5	5.0	47	84	-----	17	13	11	7.7	24	4.9	14
30	8.1	4.8	35	74	-----	19	13	10	6.8	11	14	16
31	3.8	-----	29	62	-----	36	-----	8.2	-----	7.3	8.2	-----
TOTAL	84.7	122.0	1,123.1	811	675	782	924	424.7	298.8	235.5	174.3	223.0
MEAN	2.73	4.07	36.2	26.2	24.1	25.2	30.8	13.7	9.96	7.60	5.62	7.43
MAX	8.1	9.5	200	84	60	72	71	39	45	24	16	27
MIN	2.0	3.0	4.4	13	10	12	13	7.7	4.5	3.4	3.0	3.1
CFSM	.27	.40	3.58	2.59	2.39	2.50	3.05	1.36	.99	.75	.56	.74
IN.	.31	.45	4.14	2.99	2.49	2.88	3.40	1.56	1.10	.87	.64	.82

CAL YR 1973 TOTAL 7,545.1 MEAN 20.7 MAX 234 MIN 2.0 CFSM 2.05 IN 27.79
WTR YR 1974 TOTAL 5,878.1 MEAN 16.1 MAX 200 MIN 2.0 CFSM 1.59 IN 21.65

PEAK DISCHARGE (BASE, 120 CFS)

DATE TIME G. H. DISCHARGE

12-21 - - +250

+ About

NOTE.--No gage height record Dec. 18-26, Jan. 8 to Feb. 8.

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.--18 years, 120 ft³/s (3.398 m³/s) 17.64 in/yr (448.1 mm/yr).

EXTREMES.--Current year: Maximum discharge, 3,570 ft³/s (101 m³/s) Dec. 21 (gage height, 12.76 ft or 3.889 m); minimum, 14 ft³/s (0.40 m³/s) Aug. 16-17 (gage height, 4.54 ft or 1.384 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.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	46	45	411	381	227	319	182	109	68	31	75
2	23	40	34	357	300	219	305	141	98	52	27	73
3	24	30	31	310	270	193	294	146	82	111	25	96
4	23	25	30	292	250	185	276	159	80	109	25	227
5	27	22	57	250	230	188	405	129	69	87	34	134
6	28	20	113	220	210	169	447	120	62	90	36	100
7	25	19	75	200	190	159	351	132	57	66	28	134
8	23	18	60	170	180	149	308	118	53	53	25	113
9	22	17	134	130	170	146	486	111	52	46	23	92
10	23	17	219	150	160	162	429	151	48	42	22	79
11	23	16	144	160	162	139	435	151	44	37	19	70
12	21	16	118	160	151	132	498	146	43	34	17	62
13	21	16	96	160	149	115	471	322	50	31	17	57
14	24	15	182	150	156	111	429	227	43	30	16	73
15	23	15	169	150	136	109	480	190	41	58	15	64
16	21	19	130	140	122	175	384	175	49	60	15	57
17	21	20	100	130	120	501	327	151	63	42	26	52
18	21	17	100	120	115	327	294	136	81	34	62	60
19	23	17	110	140	113	284	299	122	53	36	37	55
20	22	15	118	151	208	255	271	111	46	42	27	53
21	21	15	1,940	149	180	402	240	104	52	37	21	73
22	20	17	1,450	232	255	564	221	100	71	31	18	102
23	20	18	816	227	528	408	219	115	58	28	19	75
24	18	17	576	245	339	387	208	132	53	26	21	66
25	18	30	423	232	289	316	182	118	60	26	19	57
26	18	34	474	227	242	281	167	104	71	26	17	53
27	17	31	806	432	208	258	154	100	57	28	17	46
28	18	52	750	576	203	232	141	90	50	33	34	62
29	21	92	612	697	-----	208	134	94	43	33	66	188
30	85	62	513	537	-----	208	129	94	40	34	134	172
31	60	-----	432	456	-----	284	-----	81	-----	36	111	-----
TOTAL	778	788	10,857	7,961	6,017	7,493	9,303	4,252	1,778	1,466	1,004	2,620
MEAN	25.1	26.3	350	257	215	242	310	137	59.3	47.3	32.4	87.3
MAX	85	92	1,940	697	528	564	498	322	109	111	134	227
MIN	17	15	30	120	113	109	129	81	40	26	15	46
CFSM	.28	.29	3.86	2.84	2.37	2.67	3.42	1.51	.65	.52	.36	.96
IN	.32	.32	4.46	3.27	2.47	3.08	3.82	1.75	.73	.60	.41	1.08
CAL YR 1973	TOTAL 76,520	MEAN 210	MAX 4,680	MIN 15	CFSM 2.32	IN 31.42						
WTR YR 1974	TOTAL 54,317	MEAN 149	MAX 1,940	MIN 15	CFSM 1.64	IN 22.30						

PEAK DISCHARGE (BASE, 900 CFS)

DATE	TIME	G. H.	DISCHARGE
12-21	1730	12.76	3,570
12-27	0615	7.81	904

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.--18 years, 42.8 ft³/s (1.212 m³/s) (17.67 in/yr or 448.8 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,060 ft³/s (30.0 m³/s) Dec. 22 (gage height, 6.70 ft or 2.042 m); minimum, 2.2 ft³/s (0.062 m³/s) Oct. 28; minimum gage height, 2.33 ft (0.710 m) Aug. 14, 15, 16-17.

Period of record: Maximum discharge, 1,200 ft³/s (34.0 m³/s) June 30, 1973 (gage height, 6.97 ft or 2.124 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.4	10	11	141	152	91	122	67	35	22	5.1	31
2	3.6	9.0	9.5	128	124	86	124	59	37	17	4.8	31
3	3.8	8.1	8.1	110	100	75	119	51	29	38	4.6	39
4	3.8	6.4	9.5	96	88	70	108	56	26	51	5.1	79
5	4.3	6.4	13	82	80	70	145	46	22	34	13	60
6	4.3	6.4	39	76	74	64	183	42	19	32	9.0	42
7	3.8	5.1	31	71	70	59	154	47	17	22	6.8	56
8	3.6	4.6	24	61	64	55	128	42	15	18	5.7	56
9	3.8	4.1	45	49	59	53	145	38	14	15	5.1	41
10	4.1	3.8	91	45	53	57	135	52	13	14	4.6	34
11	3.8	3.8	68	42	49	49	140	62	11	12	4.3	29
12	3.6	3.4	48	39	44	46	186	55	9.9	10	4.1	24
13	3.4	3.2	41	37	44	41	205	152	10	8.6	3.6	22
14	4.1	3.2	75	35	46	39	188	146	9.4	7.7	3.4	31
15	4.3	3.2	89	36	39	37	198	105	10	11	3.0	26
16	4.3	3.2	68	36	34	61	163	91	9.3	14	2.8	21
17	4.3	3.4	44	33	34	190	134	77	17	10	3.2	18
18	4.3	3.4	35	34	33	167	116	65	54	8.1	14	24
19	4.3	3.4	31	37	34	133	113	56	30	8.1	10	26
20	4.1	3.0	43	40	86	116	102	48	18	8.1	6.6	21
21	4.1	2.8	487	43	79	148	86	43	19	7.2	5.4	30
22	4.1	2.5	757	72	105	244	72	41	33	6.4	4.6	53
23	3.8	2.5	356	76	258	190	70	43	26	6.1	4.3	45
24	3.4	3.0	221	82	192	162	65	51	20	5.4	4.3	34
25	3.4	3.8	157	79	149	137	59	44	20	5.7	4.1	30
26	3.2	7.7	154	77	118	116	52	39	28	6.1	3.8	27
27	3.2	9.0	227	122	96	102	47	33	23	6.4	3.8	24
28	2.5	12	249	215	88	89	46	31	19	6.4	7.2	30
29	3.0	18	227	269	-----	77	46	31	17	6.4	19	84
30	7.2	14	188	225	-----	75	43	32	14	6.4	63	70
31	14	-----	155	183	-----	98	-----	27	-----	6.1	56	-----
TOTAL	130.9	172.4	4,001.1	2,671	2,392	2,997	3,494	1,772	624.6	429.2	294.3	1,138
MEAN	4.22	5.75	129	86.2	85.4	96.7	116	57.2	20.8	13.8	9.49	37.9
MAX	14	18	757	269	258	244	205	152	54	51	63	84
MIN	2.5	2.5	8.1	33	33	37	43	27	9.3	5.4	2.8	18
CFSM	.13	.18	4.01	2.68	2.65	3.00	3.60	1.78	.65	.43	.29	1.18
IN.	.15	.20	4.62	3.09	2.76	3.46	4.04	2.05	.72	.50	.34	1.31
CAL YR 1973	TOTAL 25,481.0		MEAN 69.8	MAX 800	MIN 2.5	CFSM 2.17	IN 29.44					
WTR YR 1974	TOTAL 20,116.5		MEAN 55.1	MAX 757	MIN 2.5	CFSM 1.71	IN 23.24					

PEAK DISCHARGE (BASE, 260 CFS)

DATE	TIME	G. H.	DISCHARGE
12-22	0015	6.70	1,060
1-29	0615	4.41	282
2-23	1600	4.41	282

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.--46 years (1928-74), 246 ft³/s (6.967 m³/s) (18.46 in/yr or 468.9 mm/yr).

EXTREMES.--Current year: Maximum discharge, 5,810 ft³/s (165 m³/s) Dec. 22 (gage height, 10.59 ft or 3.228 m); minimum, 21 ft³/s (0.59 m³/s) Aug. 17 (gage height, 2.56 ft or 0.780 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 Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 741: 1932. WSP 1902: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	78	88	799	869	430	722	323	176	111	51	137
2	33	68	72	715	701	441	694	299	199	106	45	120
3	34	61	61	584	500	380	694	269	156	165	42	143
4	34	52	57	527	430	353	624	323	145	269	44	390
5	33	46	71	447	400	353	659	265	128	176	73	295
6	35	44	171	405	370	319	1,000	234	112	176	71	209
7	35	40	151	376	350	295	820	251	100	131	58	221
8	33	38	118	327	320	277	694	234	93	102	50	251
9	32	37	165	240	300	265	974	212	88	88	43	187
10	31	35	447	260	280	288	974	265	81	78	39	155
11	30	35	319	280	260	262	932	331	74	70	35	135
12	30	33	238	290	255	238	1,110	295	70	62	32	116
13	30	32	190	280	248	212	1,070	715	76	59	29	106
14	30	32	269	270	262	196	1,000	624	72	56	27	113
15	29	32	362	250	224	190	1,060	469	67	61	26	116
16	29	34	280	251	196	248	904	395	74	106	24	99
17	28	38	170	248	199	1,030	750	335	113	82	29	89
18	29	38	190	240	187	869	652	291	219	65	76	91
19	29	36	200	240	182	687	617	251	148	64	67	96
20	30	34	199	238	349	597	584	221	106	72	51	89
21	31	33	1,900	227	362	687	497	196	92	62	39	100
22	30	35	4,270	415	410	1,300	436	185	130	52	35	155
23	29	37	1,960	452	1,080	995	420	193	118	47	32	143
24	29	40	1,280	491	855	876	420	258	104	44	33	120
25	29	51	890	463	694	743	358	244	118	46	32	107
26	29	61	862	447	545	610	319	205	148	48	29	99
27	28	66	1,490	694	447	539	291	185	133	65	27	92
28	29	76	1,480	1,250	410	469	273	163	109	71	29	100
29	29	128	1,290	1,490	-----	415	255	158	96	72	67	277
30	58	113	1,070	1,250	-----	395	244	171	85	67	158	349
31	100	-----	876	1,040	-----	527	-----	148	-----	62	209	-----
TOTAL	1,049	1,483	21,186	15,486	11,685	15,486	20,047	8,708	3,430	2,735	1,602	4,700
MEAN	33.8	49.4	683	500	417	500	668	281	114	88.2	51.7	157
MAX	100	128	4,270	1,490	1,080	1,300	1,110	715	219	269	209	390
MIN	28	32	57	227	182	190	244	148	67	44	24	89
CFSM	.19	.27	3.77	2.76	2.30	2.76	3.69	1.55	.63	.49	.29	.87
IN.	.22	.30	4.35	3.18	2.40	3.18	4.12	1.79	.70	.56	.33	.97

CAL YR 1973 TOTAL 147,370 MEAN 404 MAX 5,530 MIN 28 CFSM 2.23 IN 30.29
WTR YR 1974 TOTAL 107,597 MEAN 295 MAX 4,270 MIN 24 CFSM 1.63 IN 22.11

PEAK DISCHARGE (BASE, 1,500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-22	0300	10.59	5,810	1-29	1000	6.02	1,600
12-27	1230	6.04	1,620				

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.--11 years (1964-74), 85.2 ft³/s (2.413 m³/s) (20.19 in/yr or 512.8 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,770 ft³/s (78.4 m³/s) Dec. 21 (gage height, 9.19 ft or 2.801 m), from rating curve extended as explained below; minimum, 5.9 ft³/s (0.17 m³/s) Oct. 3; minimum gage height, 0.96 ft (0.293 m) Aug. 16-17.

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 Part 2 of this report.

REVISIONS.--WSP 1902: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.7	28	24	228	218	128	209	117	97	35	17	19
2	6.6	24	20	204	192	131	186	101	107	33	14	17
3	6.6	19	17	180	177	119	178	96	76	55	14	19
4	6.6	16	17	175	170	116	222	107	65	65	15	90
5	6.6	14	19	150	160	116	206	89	57	40	16	50
6	6.6	13	48	150	150	105	255	82	50	37	14	30
7	6.6	12	37	139	150	100	208	90	46	32	12	32
8	7.0	11	29	125	130	94	186	82	43	27	12	36
9	6.6	10	64	100	120	93	306	74	40	24	12	26
10	6.6	9.7	159	100	120	106	415	107	39	23	11	22
11	6.6	8.4	85	110	110	97	306	137	33	20	10	20
12	6.6	8.1	62	110	80	90	259	114	32	17	9.2	18
13	6.6	8.1	52	110	98	81	240	303	37	16	8.4	16
14	7.4	8.4	153	110	111	76	250	220	33	16	8.0	18
15	7.0	8.4	154	114	86	75	376	170	29	19	7.4	19
16	7.0	8.4	95	105	80	88	342	146	31	19	6.7	16
17	6.6	9.7	90	100	80	242	265	127	44	18	7.7	15
18	7.4	9.7	88	100	76	189	225	114	35	14	17	14
19	8.1	8.8	80	120	76	160	211	100	30	14	14	14
20	8.4	8.1	86	110	191	152	209	89	26	15	11	13
21	8.4	7.7	1,200	102	146	173	186	81	27	14	10	16
22	8.4	8.5	1,530	203	147	315	172	78	35	12	8.8	19
23	8.1	10	609	204	225	227	164	81	30	11	8.8	17
24	8.4	11	390	200	167	201	160	105	35	10	13	15
25	8.5	21	290	183	147	182	145	88	35	15	14	14
26	8.4	26	300	170	134	168	131	78	40	15	12	14
27	8.4	22	480	228	120	160	120	74	35	30	10	13
28	8.1	24	470	338	118	148	112	68	31	27	10	13
29	7.4	37	409	359	-----	136	105	71	27	23	10	51
30	37	30	301	298	-----	139	96	83	26	25	15	128
31	47	-----	242	250	-----	189	-----	66	-----	22	28	-----
TOTAL	297.3	440.0	7,600	5,175	3,779	4,396	6,445	3,338	1,271	743	376.0	804
MEAN	9.59	14.7	245	167	135	142	215	108	42.4	24.0	12.1	26.8
MAX	47	37	1,530	359	225	315	415	303	107	65	28	128
MIN	6.6	7.7	17	100	76	75	96	66	26	10	6.7	13
CFSM	.17	.26	4.28	2.91	2.36	2.48	3.75	1.88	.74	.42	.21	.47
IN.	.19	.29	4.93	3.36	2.45	2.85	4.18	2.17	.83	.48	.24	.52

CAL YR 1973 TOTAL 45,659.9 MEAN 125 MAX 1,630 MIN 6.6 CFSM 2.18 IN 29.64
WTR YR 1974 TOTAL 34,664.3 MEAN 95.0 MAX 1,530 MIN 6.6 CFSM 1.66 IN 22.50

PEAK DISCHARGE (BASE, 400 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-21	2345	9.19	2,770	4-09	2230	5.58	450
12-27	unknown	5.86	520	4-15	1500	5.61	458

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, 3,000 ft³/s (85.0 m³/s) Dec. 23 (gage height, 5.92 ft or 1.804 m); minimum daily, 0.50 ft³/s (0.014 m³/s) Dec. 4, minimum gage height, 0.23 ft (0.070 m) Nov. 16, Dec. 1-5, 8, 9.

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 fair except those for discharges below 10 cfs, which are poor. Entire flow, except for periods of spilling and releases to augment Croton-on-Hudson water supply, diverted from New Croton Reservoir for municipal supply of City of New York.

REVISIONS (WATER YEARS).--WRD N.Y. 1969: 1968(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	.77	.6	1,070	1,200	476	1,060	332	392	.85	1.2	.96
2	1.1	.85	.6	950	1,060	483	913	280	463	.85	1.2	1.4
3	1.2	.65	.6	830	973	469	815	290	340	.85	1.4	1.8
4	1.2	.77	.5	830	838	448	1,100	364	268	.93	1.2	2.1
5	1.2	1.1	.8	695	673	434	1,350	290	216	1.1	1.1	1.1
6	1.2	1.1	.9	613	583	406	1,490	250	175	1.0	1.1	1.1
7	1.2	1.1	.6	553	568	357	1,170	270	123	1.0	1.1	1.8
8	1.1	.93	.6	476	532	350	1,030	245	58	1.1	1.1	1.4
9	1.1	.62	1.4	455	483	399	1,570	224	35	1.1	1.1	1.2
10	1.0	.62	1.0	448	434	511	1,740	406	25	1.2	1.0	1.2
11	1.0	.59	.7	497	392	462	1,360	497	6.0	1.2	1.1	1.1
12	1.0	.59	.6	532	364	406	1,180	525	1.1	1.1	1.2	.96
13	1.0	.59	.6	462	326	371	1,150	1,420	.89	1.3	1.2	.96
14	1.0	2.2	1.2	392	357	320	1,260	1,090	.85	1.5	1.2	1.0
15	.97	1.9	.8	371	326	275	1,500	842	.93	1.7	1.1	1.0
16	.97	.59	.7	378	285	314	1,420	729	1.1	1.4	1.0	.93
17	.97	.59	.7	385	265	733	1,210	585	.93	1.2	1.5	.93
18	.93	.69	.6	326	250	673	1,090	495	.89	1.2	1.0	.93
19	.89	.69	.6	406	275	546	1,130	378	.89	1.2	.85	.93
20	.89	.69	.6	476	755	504	1,130	288	.89	1.2	.85	.93
21	.85	.69	1.2	590	770	875	928	216	.93	1.2	.85	.89
22	.77	.69	4.62	1,320	740	1,700	823	193	.93	1.2	1.0	.82
23	.73	.73	2,820	1,410	973	1,240	785	221	.96	1.2	1.0	.82
24	.73	.81	2,580	1,380	838	1,060	725	310	.96	1.3	.96	.78
25	.73	.93	1,880	1,230	703	920	620	385	.93	1.3	.96	.78
26	.69	2.0	1,620	1,110	650	785	539	310	.89	1.3	.96	.75
27	.69	3.8	2,100	1,500	553	710	483	258	.85	1.3	.93	.72
28	.69	2.3	1,790	1,770	490	628	420	198	3.0	1.2	.96	.85
29	.81	.73	1,500	1,780	-----	590	378	234	1.4	1.2	.96	2.3
30	1.0	.59	1,320	1,560	-----	658	344	322	.82	1.2	1.3	1.0
31	.85	-----	1,170	1,380	-----	883	-----	263	-----	1.2	1.0	-----
TOTAL	29.56	30.90	17,268.7	26,175	16,656	18,986	30,713	12,710	2,121.14	36.58	33.38	33.44
MEAN	.95	1.03	557	844	595	612	1,024	410	70.7	1.18	1.08	1.11
MAX	1.2	3.8	2,820	1,780	1,200	1,700	1,740	1,420	463	1.7	1.5	2.3
MIN	.69	.59	.50	326	250	275	344	193	.82	.85	.85	.72

CAL YR 1973 TOTAL 165,117.98 MEAN 452 MAX 8,980 MIN .50
WTR YR 1974 TOTAL 124,793.70 MEAN 342 MAX 2,820 MIN .50

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 to September 1974.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 90.99 ft (27.734 m) above mean sea level.

AVERAGE DISCHARGE.--29 years (1944-73) 30.6 ft³/s (0.867 m³/s) (unadjusted).

EXTREMES.--Maximum discharge during period April to September 1974, 363 ft³/s (10.2 m³/s) Sept. 4 (gage height, 3.90 ft or 1.189 m); minimum, 1.2 ft³/s (0.034 m³/s) July 27 (gage height, 0.67 ft or 0.204 m).

Period of record: Maximum discharge, 890 ft³/s (25.2 m³/s) Oct. 16, 1955; maximum gage height, 5.55 ft (1.692 m) June 20, 1972; 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 good. 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-	-	-	-	-	-	95	33	46	12	4.3	6.6
2	-	-	-	-	-	-	65	32	27	5.9	10	104
3	-	-	-	-	-	-	56	40	20	10	28	82
4	-	-	-	-	-	-	137	29	20	3.2	7.4	329
5	-	-	-	-	-	-	115	21	17	7.0	46	62
6	-	-	-	-	-	-	124	23	14	12	9.5	23
7	-	-	-	-	-	-	72	29	11	7.0	5.9	129
8	-	-	-	-	-	-	65	21	9.2	8.2	8.5	40
9	-	-	-	-	-	-	167	22	8.5	11	11	22
10	-	-	-	-	-	-	136	82	11	9.5	12	16
11	-	-	-	-	-	-	89	33	9.5	9.5	1.8	13
12	-	-	-	-	-	-	71	43	14	11	4.2	12
13	-	-	-	-	-	-	84	143	14	8.2	6.2	11
14	-	-	-	-	-	-	86	44	11	3.4	6.2	19
15	-	-	-	-	-	-	116	33	11	6.2	6.2	7.8
16	-	-	-	-	-	-	67	29	13	8.5	7.0	6.2
17	-	-	-	-	-	-	51	35	16	7.8	20	9.5
18	-	-	-	-	-	-	47	34	8.2	7.4	31	7.0
19	-	-	-	-	-	-	68	23	5.9	9.5	6.2	5.9
20	-	-	-	-	-	-	60	23	4.8	9.9	6.2	5.9
21	-	-	-	-	-	-	41	21	53	2.4	6.2	11
22	-	-	-	-	-	90	42	22	69	5.0	6.6	17
23	-	-	-	-	-	62	44	22	20	5.3	33	7.0
24	-	-	-	-	-	56	37	36	18	12	20	5.3
25	-	-	-	-	-	47	33	37	9.2	23	2.5	6.6
26	-	-	-	-	-	45	31	18	7.4	5.6	5.9	7.4
27	-	-	-	-	-	42	29	15	7.4	2.6	8.9	6.6
28	-	-	-	-	-	39	26	18	7.0	4.0	10	23
29	-	-	-	-	-----	36	25	22	7.8	13	24	167
30	-	-	-	-	-----	63	26	28	3.6	11	65	44
31	-	-----	-	-	-----	167	-----	20	-----	5.0	23	-----
TOTAL	-	-	-	-	-	-	2,105	1,031	493.5	256.1	442.7	1,205.8
MEAN	-	-	-	-	-	-	70.2	33.3	16.5	8.26	14.3	40.2
MAX	-	-	-	-	-	-	167	143	69	23	65	329
MIN	-	-	-	-	-	-	25	15	3.6	2.4	1.8	5.3
≠	6.02	9.24	12.45	12.35	12.72	10.57	10.30	9.41	11.92	5.63	6.60	14.83

CAL YR 1973 ≠ 7.01

WTR YR 1974 ≠ 10.13

≠ 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, 3,064 mil ft³ (86.7 hm³) May 13 (elevation, 552.2 ft or 168.31 m); minimum contents observed, 1,554 mil ft³ (44.0 hm³) Mar. 5 (elevation, 537.8 ft or 163.92 m). 1951-1974: 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, 3,720 mil ft³ (105 hm³) Dec. 28 (elevation, 1,228.0 ft or 374.29 m); minimum observed, 443 mil ft³ (12.5 hm³) Apr. 3 (elevation, 1,188.3 ft or 362.19 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 invert of four 60 inch discharge pipes at north end of spillway is 1,169.5 ft (356.46 m), and elevation of invert 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, 50,678 mil gal (191.8 hm³) Apr. 6 (elevation, 591.19 ft or 180.195 m), in (01363399) East basin, 82,473 mil gal (312.2 hm³) Apr. 6 (elevation, 588.17 ft or 179.274 m); minimum observed, in West basin, 34,520 mil gal (130.7 hm³) Dec. 4 (elevation, 573.88 ft or 174.919 m); in East basin, 55,990 mil gal (211.9 hm³) Dec. 13 (elevation, 571.26 ft or 174.120 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, 52,306 mil gal (198.0 hm³) June 2 (elevation, 839.81 ft or 255.974 m); minimum observed 38,187 mil gal (144.5 hm³) Nov. 12 (elevation, 817.54 ft or 249.186 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, Department of Water Resources.

HUDSON RIVER BASIN

MONTHEND ELEVATION AND CONTENTS, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	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.	544.7	2,210		1,208.7	1,726	
Oct.	543.9	2,130	- 29.9	1,201.3	1,183	- 203
Nov.	545.9	2,339	+ 80.6	1,217.2	2,470	+ 497
Dec.	550.9	2,908	+212	1,226.1	3,463	+ 371
CAL YR 1973			+ 16.6			+ 12.0
Jan.	542.7	2,010	-335	1,215.7	2,323	- 426
Feb.	540.2	1,768	-100	1,202.0	1,230	- 452
Mar.	544.5	2,190	+158	1,190.1	530	- 261
Apr.	549.6	2,752	+217	1,227.7	3,679	+1,215
May	550.3	2,836	+ 31.4	1,225.4	3,372	- 115
June	550.3	2,836	0	1,223.9	3,188	- 71.0
July	546.0	2,350	-181	1,218.5	2,600	- 220
Aug.	545.0	2,240	- 41.1	1,215.8	2,332	- 100
Sept.	544.5	2,190	- 19.3	1,216.2	2,370	+ 14.7
WTR YR 1974			- 0.63			+ 20.4

	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.	585.03	44,468		579.18	67,821		826.42	43,571	
Oct.	577.97	38,029	-321	575.36	61,931	-294	821.05	40,277	-164
Nov.	574.02	34,635	-175	572.26	57,430	-232	821.49	40,544	+ 13.8
Dec.	590.78	50,244	+779	583.92	75,412	+898	836.48	50,060	+475
CAL YR 1973			- 1.43			- 26.2			+ 6.70
Jan.	590.56	50,011	- 11.6	587.58	81,483	+303	830.57	46,195	-193
Feb.	590.39	49,831	- 9.95	587.40	81,181	- 16.7	826.89	43,864	-129
Mar.	590.42	49,863	+ 1.60	587.32	81,047	- 6.69	834.97	49,058	+259
Apr.	590.39	49,831	- 1.65	587.14	80,745	- 15.6	834.70	48,881	- 9.13
May	590.49	49,937	+ 5.29	585.97	78,782	- 98.0	839.59	52,156	+163
June	590.31	49,746	- 9.85	585.01	77,172	- 83.0	837.01	50,414	- 89.8
July	588.67	48,093	- 82.5	585.04	77,222	+ 2.50	831.29	46,657	-188
Aug.	584.22	48,715	-219	582.23	72,284	-246	825.20	42,813	-192
Sept.	584.55	44,021	+ 15.8	581.10	70,860	- 73.4	822.12	40,926	- 97.3
WTR YR 1974			- 18.9			+ 12.9			- 11.2

† 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 and Department of Water Resources, 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 1973 to September 1974

Month	01343899 Hinckley Reservoir	01362230 Schoharie Reservoir	01363401 Ashokan Reservoir	01366399 Rondout Reservoir
Oct.	30.9	63.9	814	1,220
Nov.	30.1	0	624	1,350
Dec.	28.5	414	863	1,330
CAL YR 1973	31.9	145	740	1,270
Jan.	28.2	33.6	475	1,360
Feb.	24.7	0	425	1,370
Mar.	35.5	0	534	1,340
Apr.	28.0	1.08	487	1,220
May	29.0	99.8	784	1,190
June	31.3	379	831	1,360
July	34.0	593	897	1,370
Aug.	31.8	325	897	1,360
Sept.	29.4	535	897	1,360
WTR YR 1974	30.1	204	711	1,320

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, 356 ft³/s (10.1 m³/s) Apr. 10 (gage height, 5.32 ft, or 1.622 m); maximum gage height, 5.73 ft (1.747 m) Dec. 21 (backwater from ice); minimum, 15 ft³/s (0.43 m³/s) June 29 (gage height, 2.66 ft or 0.811 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 good. 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	35	19	25	85	52	212	42	48	23	24	19
2	19	34	19	32	76	49	169	32	54	21	24	72
3	20	33	19	33	73	48	117	38	41	23	28	46
4	19	32	19	40	64	47	141	47	33	23	31	66
5	19	28	25	47	54	46	183	34	29	25	24	22
6	19	19	25	46	47	41	218	32	23	25	24	21
7	20	19	21	42	43	38	152	38	23	23	22	35
8	21	19	20	38	41	39	122	32	25	23	22	22
9	21	19	56	42	40	51	276	29	23	23	23	20
10	21	19	25	47	39	73	299	73	25	25	24	20
11	21	22	20	58	38	54	198	62	23	25	23	20
12	23	23	21	64	37	50	142	83	22	23	22	20
13	28	21	21	54	36	46	132	215	21	23	21	19
14	28	20	42	45	39	35	139	144	21	23	21	21
15	28	20	23	40	37	27	158	98	21	23	23	20
16	28	20	22	38	34	35	124	72	34	23	25	21
17	30	20	21	41	35	84	95	57	21	24	34	21
18	33	21	19	36	35	74	80	50	21	23	25	22
19	35	20	20	41	48	56	99	41	21	22	21	21
20	34	20	22	46	122	49	110	32	20	26	19	22
21	34	20	200	69	100	125	82	23	31	25	21	23
22	33	21	35	175	102	212	73	21	30	25	20	23
23	32	21	21	181	130	147	72	21	29	25	21	22
24	39	21	22	167	101	112	69	25	31	26	20	22
25	62	23	25	143	84	84	64	33	31	21	21	22
26	79	21	36	121	71	63	46	27	23	21	21	21
27	158	21	31	162	59	58	39	24	21	21	20	21
28	96	27	25	165	54	53	36	21	21	20	21	23
29	81	21	21	176	-----	51	37	25	19	23	24	62
30	72	20	20	133	-----	80	36	27	23	21	38	23
31	34	-----	21	102	-----	212	-----	23	-----	22	21	-----
TOTAL	1,206	680	936	2,449	1,724	2,191	3,720	1,521	808	719	728	812
MEAN	38.9	22.7	30.2	79.0	61.6	70.7	124	49.1	26.9	23.2	23.5	27.1
MAX	158	35	200	181	130	212	299	215	54	26	38	72
MIN	19	19	19	25	34	27	36	21	19	20	19	19
CAL YR 1973	TOTAL 21,163	MEAN 58.0	MAX 1,320	MIN 17								
WTR YR 1974	TOTAL 17,494	MEAN 47.9	MAX 299	MIN 19								

HACKENSACK RIVER BASIN

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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.--33 years, 89.6 ft³/s (2.537 m³/s), unadjusted.

EXTREMES.--Current year: Maximum discharge, 608 ft³/s (17.2 m³/s) Mar. 21, gage height, 3.49 ft (1.064 m); minimum, 13 ft³/s (0.37 m³/s) Sept. 11, gage height, 1.51 ft (0.460 m).
Period of record: Maximum discharge, 1,500 ft³/s (42.5 m³/s) May 29, 1968, gage height, 6.23 ft (1.899 m); no flow for part of Jan. 16, 1970 due to upstream regulation.

REMARKS.--Records excellent. Flow regulated by Lake De Forest and Lake Tappan (see p.106). Diversions at Lake De Forest and West Nyack, N.Y., for municipal water supply (see p.107). Records of water quality for the current year are published in Part 2 of New Jersey report.

COOPERATION.--Gage-height record collected in cooperation with Hackensack Water Co.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	113	26	20	27	106	82	281	59	88	35	54	43
2	113	20	19	21	111	74	215	52	115	34	84	115
3	108	19	20	21	96	76	160	56	98	24	102	47
4	82	18	19	21	84	68	218	80	76	38	104	90
5	82	18	30	20	76	70	233	68	57	108	96	16
6	80	18	35	20	64	64	311	62	41	115	68	15
7	80	17	21	20	72	61	195	66	34	115	64	49
8	80	20	20	19	68	62	168	61	30	100	43	18
9	78	18	78	20	72	115	292	52	26	66	43	14
10	92	19	35	21	66	133	361	117	25	62	43	14
11	133	18	22	26	56	82	251	140	24	62	41	12
12	133	18	21	24	56	78	188	113	20	84	47	13
13	115	18	20	21	54	70	170	274	20	106	90	14
14	113	18	50	20	64	61	183	230	19	106	92	19
15	111	18	22	20	57	54	206	133	18	113	98	15
16	108	18	20	21	50	82	173	108	54	124	106	15
17	106	37	21	21	50	163	131	94	115	126	126	14
18	102	84	19	20	49	111	115	86	64	140	131	15
19	94	82	18	24	100	88	131	64	44	140	80	18
20	82	82	57	21	198	74	155	50	34	136	40	18
21	74	80	281	59	138	233	117	35	38	124	43	19
22	66	80	34	43	155	307	104	34	84	122	43	19
23	59	54	27	38	175	190	111	38	54	122	44	18
24	59	20	24	34	133	153	100	62	59	119	43	20
25	59	26	22	30	113	113	96	88	52	92	43	19
26	59	26	62	30	100	90	76	62	49	50	43	18
27	57	22	40	227	80	88	62	49	41	49	43	18
28	59	40	31	198	78	76	54	43	35	49	43	22
29	70	25	26	203	-----	88	54	38	31	57	43	86
30	115	20	24	165	-----	136	57	44	25	50	52	26
31	25	-----	26	128	-----	348	-----	44	-----	49	44	-----
TOTAL	2,707	979	1,144	1,583	2,521	3,490	4,968	2,502	1,470	2,717	2,036	839
MEAN	87.3	32.6	37.5	51.1	90.0	113	166	80.7	49.0	87.6	65.7	28.0
MAX	133	84	281	227	198	348	361	274	115	140	131	115
MIN	25	17	18	19	49	54	54	34	18	24	40	12

CAL YR 1973 TOTAL 35,162 MEAN 96.3 MAX 662 MIN 17
WTR YR 1974 TOTAL 26,976 MEAN 73.9 MAX 361 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 (168.9 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 1973 TO SEPTEMBER 1974

Date	Elevation (feet)	Contents (million gallons)	Change in contents (equivalent in cfs)	Elevation (feet)	Contents (million gallons)	Change in contents (equivalent in cfs)
01376700 De Forest Lake†				01376950 Lake Tappan†		
Sept. 30.....	82.35	4,806	-	47.19	1,286	-
Oct. 31.....	80.10	4,099	-35.3	43.09	484	-40.1
Nov. 30.....	79.20	3,842	-13.3	43.40	530	+2.3
Dec. 31.....	85.01	5,642	+89.9	51.00	2,267	+86.6
CAL YR 1973.....	-	-	-0.6	-	-	+5.9
Jan 31.....	85.40	5,779	+6.8	55.13	3,528	+63.0
Feb. 28.....	85.28	5,737	-2.3	55.10	3,518	-0.6
Mar. 31.....	85.60	5,850	+5.7	55.18	3,544	+1.2
Apr. 30.....	85.17	5,698	-7.9	55.09	3,515	-1.5
May 31.....	85.21	5,712	+0.8	55.08	3,511	-0.2
June 30.....	85.03	5,649	-3.2	55.10	3,518	+0.3
July 31.....	83.25	5,089	-28.0	50.36	2,090	-71.3
Aug. 31.....	82.13	4,737	-17.6	48.02	1,485	-30.2
Sept. 30.....	84.07	5,346	+31.4	52.85	2,803	+67.9
WTR YR 1974.....	-	-	+2.3	-	-	+6.5
01377450 Woodcliff Lake†				01378480 Oradell Reservoir†		
Sept. 30.....	89.33	575	-	18.10	1,947	-
Oct. 31.....	89.93	606	+1.5	19.72	2,245	+14.9
Nov. 30.....	88.83	550	-2.9	18.03	1,934	-16.1
Dec. 31.....	95.43	894	+17.2	23.05	2,940	+50.3
CAL YR 1973.....	-	-	+0.1	-	-	0
Jan. 31.....	95.23	883	-0.5	22.28	2,768	-8.5
Feb. 28.....	95.13	878	-0.3	22.25	2,762	-0.3
Mar. 31.....	95.73	910	+1.5	22.94	2,914	+7.6
Apr. 30.....	95.03	873	-1.9	21.05	2,513	-20.7
May 31.....	94.33	835	-1.9	21.97	2,702	+9.4
June 30.....	94.23	830	+0.3	19.15	2,135	-29.2
July 31.....	89.63	590	-11.9	18.10	1,947	-9.4
Aug. 31.....	88.93	555	-1.7	18.40	2,000	+2.6
Sept. 30.....	91.03	662	+5.6	19.43	2,189	+9.7
WTR YR 1974.....	-	-	+0.4	-	-	+1.0

† Elevation at 0800 on first day of following month.

HACKENSACK RIVER BASIN

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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 1973 TO SEPTEMBER 1974

Month	Spring Valley Water Co.	West Nyack, N.Y.	Hackensack Water Co.	(*)
October.....	6.82	2.65	141	(142)
November.....	4.44	2.38	107	(140)
December.....	0.53	2.32	103	(137)
CAL YR 1973.....	5.69	2.54	139	
January.....	0	2.33	112	(135)
February.....	0	2.31	112	(134)
March.....	0	2.27	109	(134)
April.....	0	2.56	132	(138)
May.....	4.84	2.48	150	(140)
June.....	8.39	2.62	158	(158)
July.....	13.2	2.86	176	(154)
August.....	9.95	2.79	150	(164)
September.....	6.93	2.47	147	(157)
WTR YR 1974.....	4.62	2.50	133	

* The figures of diversion from Hackensack Water Co. (sta 01378490) as published in WRD-NJ 1973 are incorrect. Use revised figures, noted in parentheses (), as diversion for those months in water year 1973.

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 1973 TO SEPTEMBER 1974

Month	Sparkill Creek (Hudson River Basin)	Hirshfeld Brook (Hackensack River Basin)	Saddle River (Passaic River Basin)	Wells to Surface Supply
October.....	0.08	1.03	4.75	1.16
November.....	0.05	2.03	7.92	1.62
December.....	0.18	1.63	8.32	1.09
CAL YR 1973....	0.03	0.39	3.01	0.32
January.....	0	0	0	0
February.....	0	0	0	0
March.....	0	0	0	0
April.....	0	0	0	0
May.....	0	0	6.26	0
June.....	0	1.79	12.5	0
July.....	0	2.34	10.8	0.09
August.....	0	2.03	10.3	1.54
September.....	0	0.14	9.03	0.12
WTR YR 1974....	0.03	0.92	5.86	0.47

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.--16 years, 23.8 ft³/s (0.674 m³/s) (26.28 in/yr or 667.5 mm/yr).

EXTREMES.--Current year: Maximum discharge, 960 ft³/s (27.2 m³/s) Dec. 21 (gage height, 6.60 ft or 2.012 m); minimum, 1.0 ft³/s (0.028 m³/s) Oct. 24, 25, 26; minimum gage height, 1.19 ft (0.363 m) Oct. 1, Sept. 1.

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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	9.2	6.2	47	42	29	98	21	41	16	2.8	3.6
2	1.3	6.4	5.2	41	38	28	79	17	31	12	3.1	26
3	1.6	4.8	5.1	37	34	27	65	21	20	9.6	4.9	26
4	1.6	4.2	4.8	35	31	27	70	21	16	8.0	4.2	59
5	1.6	3.8	18	31	28	26	69	17	13	11	3.8	20
6	1.6	3.4	46	29	26	23	67	15	11	14	3.1	11
7	1.3	3.2	28	28	23	21	54	18	8.9	8.5	2.7	23
8	1.2	3.1	19	25	22	20	47	14	8.5	6.9	2.7	14
9	1.3	3.1	86	22	20	27	109	13	8.3	6.0	2.5	9.9
10	1.3	2.8	98	23	18	32	93	40	7.6	5.6	2.1	7.1
11	1.2	2.7	61	26	17	25	71	26	6.7	5.1	1.9	5.7
12	1.3	2.6	42	29	16	22	59	44	6.2	4.5	1.8	4.9
13	1.3	2.7	32	23	16	20	60	102	6.0	4.2	1.8	4.6
14	1.2	2.6	122	21	19	18	60	61	5.4	4.3	1.7	7.8
15	1.4	2.6	79	19	17	17	62	45	5.1	4.0	1.7	5.9
16	1.4	2.5	57	19	14	22	50	35	45	3.4	1.5	4.9
17	1.3	2.3	49	20	14	50	43	31	71	3.3	2.6	4.5
18	1.3	2.2	36	18	13	34	38	29	64	3.3	4.1	4.1
19	1.3	2.1	28	22	21	29	50	23	34	4.8	2.7	3.8
20	1.3	2.1	26	22	63	26	48	20	23	3.7	2.2	3.7
21	1.3	2.1	570	36	35	69	39	17	28	3.1	2.0	3.8
22	1.2	2.1	300	71	49	80	35	15	25	2.8	1.8	4.3
23	1.1	2.1	129	68	60	58	35	15	18	2.7	2.1	3.8
24	1.1	2.3	83	71	41	49	31	18	19	2.9	1.9	3.6
25	1.1	3.6	64	61	37	40	27	22	26	3.3	1.8	3.3
26	1.1	4.8	66	54	34	35	23	16	26	3.2	1.8	3.3
27	1.1	3.7	87	71	29	32	22	13	18	3.4	1.8	3.1
28	1.1	9.9	70	69	28	29	20	12	16	3.6	2.0	4.3
29	4.3	11	58	71	-----	27	19	15	19	5.2	2.6	71
30	66	7.8	50	56	-----	36	18	16	16	4.1	5.6	63
31	14	-----	45	49	-----	118	-----	12	-----	3.4	4.9	-----
TOTAL	120.4	117.8	2,370.3	1,214	805	1,096	1,561	784	642.7	175.9	82.2	413.0
MEAN	3.88	3.93	76.5	39.2	28.8	35.4	52.0	25.3	21.4	5.67	2.65	13.8
MAX	66	11	570	71	63	118	109	102	71	16	5.6	71
MIN	1.1	2.1	4.8	18	13	17	18	12	5.1	2.7	1.5	3.1

CAL YR 1973 TOTAL 11,869.6 MEAN 32.5 MAX 570 MIN 1.1
WTR YR 1974 TOTAL 9,382.3 MEAN 25.7 MAX 570 MIN 1.1

PEAK DISCHARGE (BASE, 200 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-09	1930	3.86	206	12-21	1515	6.60	960
12-14	0915	3.86	206				

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.--56 years (1902-6, 1922-74), 226 ft³/s (6.400 m³/s), 26.02 in/yr (661 mm/yr).

EXTREMES.--Current year: Maximum discharge, 6,050 ft³/s (171 m³/s) Dec. 21, gage height, 10.50 ft (3.200 m); minimum, 15 ft³/s (0.42 m³/s) Aug. 15, 16, gage height, 2.14 ft (0.652 m).
Period of record: Maximum discharge, about 12,400 ft³/s (351 m³/s) Oct. 9, 1903 (gage height, 11.0 ft or 3.34 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 Part 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	180	98	459	424	265	882	176	292	125	33	54
2	24	119	80	424	377	270	733	159	289	111	53	239
3	24	82	72	372	344	256	626	170	194	89	82	278
4	22	64	68	369	309	252	694	179	164	78	46	660
5	22	53	159	328	281	237	813	152	140	85	39	354
6	21	47	354	298	241	220	834	145	122	96	34	184
7	20	43	273	281	216	239	650	158	109	73	28	254
8	20	40	196	250	201	237	541	142	104	60	25	222
9	22	37	446	224	187	307	897	138	100	52	35	165
10	26	35	962	237	173	342	959	250	93	47	29	139
11	26	33	589	259	167	305	688	239	82	48	22	119
12	26	31	393	272	156	276	533	347	77	45	21	100
13	26	31	310	212	155	252	509	878	73	39	20	98
14	25	31	981	186	167	233	522	629	64	36	18	138
15	27	30	876	176	159	222	571	457	56	31	17	112
16	27	30	549	181	146	281	579	364	176	30	17	96
17	27	33	476	198	142	549	434	305	300	28	59	87
18	26	36	306	165	139	467	367	281	265	26	47	73
19	27	27	308	201	186	379	394	228	162	29	38	63
20	26	27	279	220	427	347	414	193	118	29	28	58
21	26	26	3,940	285	305	533	332	170	158	25	22	61
22	26	26	3,660	525	497	778	294	158	146	23	20	77
23	26	26	1,680	563	535	577	278	155	115	21	29	64
24	26	29	924	582	389	489	252	184	121	27	30	50
25	26	43	653	522	330	422	218	209	174	29	31	45
26	26	63	591	459	305	377	199	164	186	28	27	47
27	27	60	802	554	270	344	184	142	150	41	25	44
28	28	114	717	672	254	314	173	131	131	29	25	87
29	84	155	602	672	-----	296	164	133	131	50	52	502
30	575	119	507	574	-----	354	159	159	120	50	100	429
31	297	-----	452	487	-----	774	-----	139	-----	41	74	-----
TOTAL	1,654	1,670	22,393	11,207	7,482	11,194	14,893	7,334	4,412	1,521	1,126	4,899
MEAN	53.4	55.7	722	362	267	361	496	237	147	49.1	36.3	163
MAX	575	180	3,940	672	535	778	959	878	300	125	100	660
MIN	20	26	68	165	139	220	159	131	56	21	17	44
CFSM	.45	.47	6.12	3.07	2.26	3.06	4.20	2.01	1.25	.42	.31	1.38
IN.	.52	.53	7.06	3.53	2.36	3.53	4.70	2.31	1.39	.48	.35	1.54

CAL YR 1973 TOTAL 105,666 MEAN 289 MAX 3,940 MIN 20 CFSM 2.45 IN 33.30
WTR YR 1974 TOTAL 89,785 MEAN 246 MAX 3,940 MIN 17 CFSM 2.08 IN 28.31

PEAK DISCHARGE (BASE, 1,400 CFS)

DATE	TIME	G.H.	DISCHARGE
12-21	2100	10.50	6,050

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.--37 years, 298 ft³/s (8.439 m³/s) (24.83 in/yr or 630.7 mm/yr).

EXTREMES.--Current year: Maximum discharge, 10,600 ft³/s (300 m³/s) Dec. 21 (gage height, 11.62 ft or 3.542 m); minimum, 20 ft³/s (0.57 m³/s) Oct. 29, 30 (gage height, 2.34 ft or 0.713 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 good except those for winter periods, which are fair. Water-quality records for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	122	224	758	610	485	425	430	272	186	170	335
2	24	138	195	610	530	440	555	314	211	144	135	505
3	27	108	184	525	480	405	698	306	183	246	116	635
4	29	92	180	470	435	505	1,070	310	176	239	114	818
5	29	84	339	405	375	660	1,890	283	160	208	138	615
6	30	79	842	375	330	660	1,590	290	147	232	101	490
7	27	75	547	340	320	620	1,070	350	135	197	86	430
8	26	72	453	280	300	585	884	294	125	176	78	350
9	25	68	1,010	270	290	545	794	275	119	157	82	290
10	27	63	1,470	275	280	525	670	283	109	144	264	253
11	27	59	1,030	283	250	460	670	268	106	128	116	225
12	26	57	800	250	240	430	824	395	98	116	93	201
13	25	57	637	220	220	375	941	962	93	103	82	190
14	25	55	765	220	239	350	1,000	665	89	96	91	268
15	25	55	572	236	200	326	1,790	585	89	350	71	204
16	24	79	464	218	180	425	1,160	525	335	208	64	173
17	24	79	400	204	170	605	884	475	380	160	78	157
18	25	70	380	150	160	540	728	415	218	138	93	153
19	27	66	360	200	150	435	645	355	176	131	67	138
20	27	63	482	190	239	410	545	318	163	116	58	150
21	26	61	6,990	264	180	620	480	290	214	101	53	243
22	26	61	3,020	505	884	686	435	268	232	91	50	314
23	25	61	1,610	510	1,430	595	440	260	173	84	128	218
24	24	63	1,020	600	812	675	390	246	157	86	150	190
25	24	116	764	475	698	545	345	232	166	89	86	183
26	23	161	2,420	450	590	520	314	211	163	78	71	190
27	22	151	3,670	896	510	495	290	194	190	86	65	170
28	22	237	2,500	872	465	450	268	190	153	73	818	355
29	22	290	1,580	1,050	-----	395	250	197	144	69	605	1,020
30	228	247	1,170	818	-----	400	239	190	138	535	510	824
31	119	-----	854	710	-----	450	-----	160	-----	243	445	-----
TOTAL	1,085	2,989	36,932	13,629	11,567	15,617	22,284	10,536	5,114	5,010	5,078	10,287
MEAN	35.0	99.6	1,191	440	413	504	743	340	170	162	164	343
MAX	228	290	6,990	1,050	1,430	686	1,890	962	380	535	818	1,020
MIN	22	55	180	150	150	326	239	160	89	69	50	138
CFSM	.21	.61	7.31	2.70	2.53	3.09	4.56	2.09	1.04	.99	1.01	2.10
IN.	.25	.68	8.43	3.11	2.64	3.56	5.09	2.40	1.17	1.14	1.16	2.35

CAL YR 1973 TOTAL 151,636 MEAN 415 MAX 6,990 MIN 22 CFSM 2.55 IN 34.61
WTR YR 1974 TOTAL 140,128 MEAN 384 MAX 6,990 MIN 22 CFSM 2.36 IN 31.98

PEAK DISCHARGE (BASE, 2,800 CFS)

DATE	TIME	G. H.	DISCHARGE
12-21	1400	11.62	10,600
12-27	0645	7.95	4,340

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.--37 years, 54.8 ft³/s (1.552 m³/s) (29.77 in/yr or 756.2 mm/yr).

EXTREMES.--Current year: Maximum discharge, about 2,000 ft³/s (56.6 m³/s) Dec. 21; minimum, 4.4 ft³/s (0.125 m³/s) Oct. 27-29; minimum gage height, 2.66 ft (0.811 m) Aug. 16, 22, 23.

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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.4	19	47	118	107	73	90	65	63	42	19	38
2	5.1	23	40	88	90	63	111	50	50	42	16	78
3	5.7	19	37	78	80	60	121	53	50	55	18	85
4	5.4	16	35	70	70	88	282	50	48	42	18	95
5	5.7	15	97	62	64	167	428	45	48	40	18	75
6	5.4	14	192	52	58	153	348	55	45	45	14	58
7	5.1	13	118	47	54	128	246	60	40	40	13	48
8	4.9	12	90	46	50	125	186	53	38	38	12	38
9	5.1	12	171	45	47	107	153	50	40	40	10	35
10	4.9	11	200	44	44	98	121	53	43	40	13	28
11	4.9	10	138	43	40	83	125	48	38	30	10	25
12	4.9	10	106	42	39	75	140	104	30	28	9.3	30
13	4.7	10	89	42	45	65	180	246	28	25	9.3	38
14	5.1	9.7	110	41	41	65	216	171	28	24	8.6	30
15	4.9	9.8	86	40	39	60	308	132	25	40	8.6	33
16	4.9	16	76	39	40	107	216	107	88	25	7.9	28
17	4.9	15	62	39	42	128	158	93	92	20	12	21
18	5.1	13	54	40	43	93	125	80	60	19	12	21
19	5.1	13	52	45	45	85	107	73	50	28	9.3	18
20	5.1	13	114	56	48	78	88	63	48	19	8.6	18
21	4.9	12	1,600	68	52	144	75	55	58	16	8.6	24
22	4.9	12	428	84	228	128	68	55	52	14	7.9	25
23	4.7	12	234	104	270	111	68	55	48	13	19	30
24	4.7	13	149	90	158	128	58	53	45	14	16	28
25	4.7	26	121	78	118	104	50	50	45	14	10	22
26	4.7	33	412	73	90	95	45	48	45	13	9.3	30
27	4.4	33	700	121	80	88	43	45	40	14	9.3	19
28	4.4	50	380	162	70	80	40	40	38	12	14	78
29	4.7	62	252	210	-----	75	38	40	38	16	16	204
30	12	53	186	167	-----	83	40	40	42	52	45	149
31	10	-----	135	132	-----	98	-----	45	-----	25	43	-----
TOTAL	166.4	579.5	6,511	2,366	2,152	3,035	4,274	2,177	1,403	885	444.7	1,449
MEAN	5.37	19.3	210	76.3	76.9	97.9	142	70.2	46.8	28.5	14.3	48.3
MAX	12	62	1,600	210	270	167	428	246	92	55	45	204
MIN	4.4	9.7	35	39	39	60	38	40	25	12	7.9	18
CFSM	.21	.77	8.40	3.05	3.08	3.92	5.68	2.81	1.87	1.14	.57	1.93
IN.	.25	.86	9.69	3.52	3.20	4.52	6.36	3.24	2.09	1.32	.66	2.16

CAL YR 1973 TOTAL 25,050.3 MEAN 68.6 MAX 1,600 MIN 4.4 CFSM 2.74 IN 37.27
WTR YR 1974 TOTAL 25,442.6 MEAN 69.7 MAX 1,600 MIN 4.4 CFSM 2.79 IN 37.86

PEAK DISCHARGE (BASE, 740 CFS)

DATE	TIME	G. H.	DISCHARGE
12-21	Unknown	Unknown	About 2,000
12-27	0015	4.22	980

NOTE.--Doubtful gage-height record Dec. 21.

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.--37 years, 58.6 ft³/s (1.660 m³/s) (24.11 in/yr or 612.4 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,130 ft³/s (60.3 m³/s) Dec. 21 (gage height, 5.70 ft or 1.737 m); minimum, 2.4 ft³/s (0.068 m³/s) Oct. 28, 29.

Period of record: Maximum discharge, 4,250 ft³/s (120 m³/s) Sept. 21, 1938 (gage height, 7.12 ft (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 which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.8	19	53	40	132	88	98	80	47	21	123	46
2	5.8	20	46	32	107	74	140	50	29	11	88	107
3	7.0	15	44	31	98	70	134	58	27	46	74	179
4	6.6	13	41	30	95	107	179	58	29	26	68	176
5	8.0	11	52	27	64	146	255	53	23	20	88	126
6	8.0	11	98	25	60	153	225	63	20	18	55	95
7	7.0	11	100	25	54	137	176	70	18	15	46	80
8	6.2	10	88	24	50	118	159	60	17	13	38	65
9	5.8	9.5	82	22	46	107	143	56	16	11	41	55
10	6.2	9.0	84	21	43	100	123	56	14	10	44	47
11	5.8	8.5	88	20	40	78	143	52	16	9.0	31	40
12	5.4	8.0	93	19	38	65	169	123	13	7.5	26	35
13	5.0	8.0	93	18	40	61	172	204	13	6.6	23	40
14	4.7	7.5	84	27	37	56	204	150	12	7.0	21	66
15	4.4	7.0	78	40	35	52	315	126	11	82	18	40
16	4.1	22	66	37	40	82	221	110	24	46	17	32
17	3.5	17	63	32	33	98	169	90	24	24	18	30
18	3.2	14	61	23	25	78	134	76	13	19	17	29
19	5.4	14	55	41	32	72	118	63	11	27	14	25
20	4.6	13	65	40	49	68	95	55	10	18	12	30
21	4.0	12	978	72	40	140	80	49	19	14	11	80
22	3.7	13	156	114	260	126	72	44	18	11	10	72
23	3.4	12	82	114	255	129	76	46	11	12	49	52
24	3.1	13	56	118	169	153	63	43	10	18	32	44
25	2.8	37	44	95	137	110	55	38	12	15	18	43
26	2.8	40	123	90	110	102	50	35	11	12	15	47
27	2.6	46	183	295	100	90	44	31	14	18	14	38
28	2.4	65	133	255	82	78	40	27	10	12	46	197
29	2.8	66	78	270	-----	65	37	32	10	24	50	386
30	23	58	63	205	-----	82	38	29	9.0	564	55	285
31	12	-----	46	169	-----	102	-----	23	-----	201	47	-----
TOTAL	175.1	609.5	3,376	2,371	2,271	2,987	3,927	2,050	511.0	1,338.1	1,209	2,587
MEAN	5.65	20.3	109	76.5	81.1	96.4	131	66.1	17.0	43.2	39.0	86.2
MAX	23	66	978	295	260	153	315	204	47	564	123	386
MIN	2.4	7.0	41	18	25	52	37	23	9.0	6.6	10	25
CFSM	.17	.62	3.30	2.32	2.46	2.92	3.97	2.00	.52	1.31	1.18	2.61
IN.	.20	.69	3.81	2.67	2.56	3.37	4.43	2.31	.58	1.51	1.36	2.92

CAL YR 1973 TOTAL 24,460.8 MEAN 67.0 MAX 978 MIN 2.4 CFSM 2.03 IN 27.57
WTR YR 1974 TOTAL 23,411.7 MEAN 64.1 MAX 978 MIN 2.4 CFSM 1.94 IN 26.39

PEAK DISCHARGE (BASE, 700 CFS)

DATE	TIME	G. H.	DISCHARGE
12-21	0900	5.70	2,130
7-30	0245	5.42	1,790

DELAWARE RIVER BASIN

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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 Downsview Dam, at downstream end of outlet channel of Pepacton Reservoir, and 1.0 mi (1.6 km) east of Downsview.

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, 3,870 ft³/s (110 m³/s) Apr. 15 (gage height, 5.71 ft (1.741 m)); minimum daily, 6.3 ft³/s (0.178 m³/s) Nov. 27, Nov. 29 to Dec. 4, Dec. 8.

Period of record: Maximum discharge, 23,900 ft³/s (677 m³/s) Nov. 26, 1950 (gage height, 14.52 ft (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 Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	12	6.3	8.0	8.0	151	252	20	18	18	17	18
2	18	6.9	6.3	7.8	8.0	208	323	19	18	18	17	18
3	18	6.9	6.3	7.8	8.3	177	533	21	18	18	18	19
4	18	6.9	6.3	7.8	8.0	212	940	19	18	18	18	18
5	18	6.9	6.8	7.5	7.5	437	2,020	19	18	18	18	18
6	18	6.9	6.8	7.5	7.5	754	3,140	25	18	18	17	18
7	18	6.9	6.5	7.5	7.8	810	2,520	25	18	18	17	18
8	18	6.9	6.3	7.5	7.5	754	1,970	31	18	18	18	18
9	18	6.9	7.3	7.5	7.5	675	1,760	58	18	18	18	18
10	18	6.8	7.0	7.5	7.5	566	1,490	24	18	18	18	18
11	18	6.7	6.5	7.5	7.5	428	1,470	20	18	18	18	18
12	19	6.7	6.5	7.5	7.5	316	1,720	67	18	18	18	18
13	18	6.9	6.5	7.3	7.8	195	2,020	910	18	18	18	18
14	18	6.9	6.8	7.3	7.5	118	2,230	1,350	18	18	18	18
15	18	7.0	6.5	7.3	7.5	63	3,580	1,250	18	18	18	18
16	18	7.2	6.5	7.5	7.5	81	2,990	1,060	18	18	18	18
17	18	6.9	6.8	7.5	7.5	365	2,140	824	18	18	18	18
18	18	6.7	6.5	7.3	7.5	350	1,610	675	18	18	18	18
19	18	6.8	6.8	7.5	7.8	323	1,300	491	18	18	19	18
20	18	6.9	7.8	7.3	7.8	257	1,030	365	18	18	18	18
21	18	6.8	15	7.8	7.5	329	796	268	18	18	18	18
22	18	6.8	8.8	7.8	8.8	768	623	199	18	18	18	18
23	18	6.9	8.3	7.8	8.5	701	446	109	18	18	19	18
24	18	7.0	8.0	7.8	8.3	782	310	52	18	17	18	19
25	18	7.1	7.8	7.8	8.3	701	208	22	18	21	18	18
26	20	8.9	11	7.8	9.7	544	121	18	18	17	18	18
27	18	6.3	9.1	8.3	9.1	446	61	18	19	17	18	18
28	18	6.6	8.8	8.3	57	350	26	18	18	17	18	19
29	18	6.3	8.5	8.3	-----	263	18	18	18	19	18	19
30	18	6.3	8.3	8.3	-----	252	18	18	18	19	18	18
31	18	-----	8.0	10	-----	263	-----	18	-----	17	18	-----
TOTAL	561	211.7	234.7	240.4	270.7	12,639	37,665	8,031	541	558	556	544
MEAN	18.1	7.06	7.57	7.75	9.67	408	1,256	259	18.0	18.0	17.9	18.1
MAX	20	12	15	10	57	810	3,580	1,350	19	21	19	19
MIN	18	6.3	6.3	7.3	7.5	63	18	18	18	17	17	18
CAL YR 1973	TOTAL	126,669.3	MEAN	347	MAX	6,100	MIN	6.3				
WTR YR 1974	TOTAL	62,052.5	MEAN	170	MAX	3,580	MIN	6.3				

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.--50 years, 44.3 ft³/s (1.255 m³/s) (30.38 in/yr (771.7 mm/yr)).

EXTREMES.--Current year: Maximum discharge, 1,790 ft³/s (50.7 m³/s) Dec. 21 (gage height, 5.57 ft (1.698 m)); minimum 4.3 ft³/s (0.12 m³/s) Oct. 25 (gage height, 1.45 ft (0.442 m)).

Period of record: Maximum discharge, 3,420 ft³/s (96.9 m³/s) Aug. 26, 1928 (gage height, 8.7 ft (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 good except those for winter periods, which are 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.3	42	52	78	87	37	55	100	288	67	20	25
2	6.8	35	43	58	63	35	82	50	98	35	16	139
3	11	24	38	50	56	31	134	63	58	35	15	107
4	8.5	18	35	45	50	50	270	60	46	29	22	109
5	11	15	139	40	45	137	402	46	35	21	42	58
6	9.1	14	169	35	42	139	214	72	31	20	21	40
7	7.9	12	93	34	40	117	121	93	26	17	16	38
8	7.3	12	69	26	37	129	96	60	24	18	14	33
9	6.8	11	166	25	34	89	93	50	21	16	12	21
10	6.8	11	172	30	32	72	74	65	19	13	11	18
11	6.3	11	105	28	30	58	85	56	17	12	9.1	17
12	6.3	11	78	25	28	49	105	183	16	11	9.8	17
13	6.3	9.8	65	24	25	33	129	277	16	10	9.1	20
14	6.8	9.8	100	24	24	30	132	117	15	9.9	8.5	15
15	6.3	9.8	76	24	23	33	273	80	14	12	7.9	14
16	6.3	33	60	24	22	152	121	61	564	9.4	7.3	14
17	5.9	27	56	23	21	183	87	53	281	8.3	16	12
18	6.8	20	50	22	20	89	69	43	107	8.3	18	11
19	7.3	17	45	25	20	67	69	35	72	8.7	11	11
20	6.8	14	55	30	23	58	60	34	50	7.7	9.1	22
21	6.3	14	1,040	45	30	102	53	29	87	7.2	9.8	30
22	5.9	17	307	91	137	102	49	27	87	7.9	7.3	18
23	5.9	15	155	69	236	78	47	40	52	7.2	11	14
24	5.4	22	100	65	92	89	42	33	43	14	9.1	13
25	5.9	70	78	50	65	65	35	27	47	13	7.9	14
26	5.9	58	288	43	49	55	31	25	47	9.8	7.3	15
27	5.4	60	579	121	47	49	27	24	35	13	7.9	13
28	5.4	124	318	178	37	43	26	21	29	14	11	85
29	6.3	105	175	230	-----	35	25	29	26	70	14	303
30	47	67	121	126	-----	42	27	29	29	178	47	152
31	26	-----	91	102	-----	53	-----	22	-----	38	42	-----
TOTAL	272.0	908.4	4,918	1,790	1,415	2,301	3,033	1,904	2,280	740.4	469.1	1,398
MEAN	8.77	30.3	159	57.7	50.5	74.2	101	61.4	76.0	23.9	15.1	46.6
MAX	47	124	1,040	230	236	183	402	277	564	178	47	303
MIN	5.4	9.8	35	22	20	30	25	21	14	7.2	7.3	11
CFSM	.44	1.53	8.03	2.91	2.55	3.75	5.10	3.10	3.84	1.21	.76	2.35
IN.	.51	1.71	9.24	3.36	2.66	4.32	5.70	3.58	4.28	1.39	.88	2.63

CAL YR 1973 TOTAL 22,654.9 MEAN 62.1 MAX 1,040 MIN 5.4 CFSM 3.14 IN 42.56
WTR YR 1974 TOTAL 21,428.9 MEAN 58.7 MAX 1,040 MIN 5.4 CFSM 2.96 IN 40.26

PEAK DISCHARGE (BASE, 730 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-21	0945	5.57	1,790	5-12	2115	3.73	737
12-27	0045	4.03	902	6-16	1330	5.06	1,490

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.--60 years, 551 ft³/s (15.60 m³/s) (31.05 in/yr (788.7 mm/yr)).

EXTREMES.--Current year: Maximum discharge, 18,700 ft³/s (530 m³/s) Dec. 21 (gage height, 13.06 ft (3.981 m)); minimum, 78 ft³/s (2.21 m³/s) Oct. 29 (gage height 0.95 ft (0.290 m)).

Period of record: Maximum discharge, 31,600 ft³/s (895 m³/s) Mar. 31, 1951 (gage height, 16.02 ft (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 Part 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	94	228	672	1,180	1,200	619	693	1,010	1,750	497	177	330
2	93	334	568	948	994	570	839	705	1,150	389	148	910
3	114	241	519	810	872	525	1,080	709	764	433	137	798
4	115	199	482	712	744	650	2,100	787	676	439	142	1,020
5	122	181	1,190	591	560	1,410	3,660	656	561	354	253	673
6	116	172	2,340	575	500	1,680	2,960	727	494	337	185	504
7	106	162	1,390	532	480	1,560	1,830	1,170	440	293	146	463
8	101	158	1,020	448	450	1,650	1,450	868	403	263	131	411
9	99	155	1,720	394	420	1,320	1,380	759	382	240	127	355
10	99	150	2,490	463	400	1,150	1,140	832	347	221	133	309
11	97	144	1,580	460	380	968	1,060	760	315	207	123	280
12	93	141	1,190	440	370	843	1,240	1,120	284	193	110	247
13	92	141	960	350	403	660	1,430	3,280	271	180	104	227
14	93	141	1,150	330	389	570	1,460	1,780	257	169	100	315
15	92	144	999	340	321	580	3,380	1,330	265	180	94	250
16	89	265	791	320	276	840	1,960	1,110	1,390	170	90	214
17	87	303	758	270	357	1,850	1,460	923	1,980	152	120	194
18	89	233	655	210	302	1,100	1,190	782	840	144	130	206
19	96	211	546	270	306	906	1,060	671	588	143	100	190
20	93	197	635	280	448	775	919	595	498	141	98	181
21	91	187	11,500	426	383	1,080	795	539	629	128	93	224
22	87	191	4,060	888	1,060	1,380	720	496	900	123	93	428
23	86	189	2,140	702	2,400	1,030	699	532	577	119	145	305
24	86	195	1,470	767	1,280	1,150	628	499	488	146	149	237
25	84	489	1,170	631	1,010	962	564	443	524	181	115	216
26	83	579	2,640	564	806	830	516	400	534	144	101	220
27	82	550	6,120	1,050	675	757	479	369	472	153	100	207
28	80	971	3,820	1,590	636	682	441	348	412	146	159	753
29	81	1,130	2,370	2,190	-----	612	421	370	384	198	160	3,440
30	203	810	1,810	1,580	-----	610	412	385	366	532	381	2,250
31	215	-----	1,380	1,320	-----	717	-----	317	-----	271	510	-----
TOTAL	3,158	9,191	60,135	21,631	18,422	30,036	37,966	25,272	18,941	7,286	4,654	16,357
MEAN	102	306	1,940	698	658	969	1,266	815	631	235	150	545
MAX	215	1,130	11,500	2,190	2,400	1,850	3,660	3,280	1,980	532	510	3,440
MIN	80	141	482	210	276	525	412	317	257	119	90	181
CFSM	.42	1.27	8.05	2.90	2.73	4.02	5.25	3.38	2.62	.98	.62	2.26
IN.	.49	1.42	9.28	3.34	2.84	4.64	5.86	3.90	2.92	1.12	.72	2.52

CAL YR 1973 TOTAL 278,991 MEAN 764 MAX 11,500 MIN 80 CFSM 3.17 IN 43.06
WTR YR 1974 TOTAL 253,049 MEAN 693 MAX 11,500 MIN 80 CFSM 2.88 IN 39.06

PEAK DISCHARGE (BASE, 4,700 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-21	1130	13.06	18,700	4-15	0445	7.65	5,020
12-27	0530	9.07	7,640	5-13	0230	7.60	4,950
4-05	1830	7.78	5,220				

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, 25,500 ft³/s (722 m³/s) Dec. 21 (gage height, 12.17 ft (3.709 m)); maximum gage height, 13.20 ft (4.023 m) Feb. 23 (ice jam) minimum discharge, 124 ft³/s (3.51 m³/s) Oct. 29; minimum gage height, 3.09 ft (0.942 m) Aug. 22, 23.

Period of record: Maximum discharge, 53,300 ft³/s (1,510 m³/s) Aug. 24, 1933 (gage height, 20.60 ft (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 (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 (1,980 m³/s), from rating curve extended above 22,000 ft³/s (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 reservoirs in Delaware River basin). 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 Part 2 of this report.

REVISIONS.--WSP 756: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	165	349	1,150	1,760	1,880	1,100	1,320	1,260	1,700	606	414	444
2	165	534	992	1,440	1,550	1,110	1,540	1,040	1,460	515	320	967
3	179	414	900	1,220	1,340	1,010	2,090	1,000	989	536	280	967
4	183	333	833	1,070	1,180	1,100	3,530	1,130	890	620	275	1,430
5	188	1,120	1,240	880	860	2,320	6,270	989	745	494	335	1,000
6	188	267	3,540	850	820	3,380	7,020	1,000	652	456	315	754
7	170	254	2,320	772	760	3,220	5,240	1,570	585	408	248	660
8	161	241	1,770	620	720	3,250	4,140	1,260	529	372	224	585
9	153	230	2,520	520	680	2,780	3,730	1,130	501	340	208	501
10	153	218	4,660	585	660	2,390	3,110	1,180	462	315	212	444
11	150	207	2,970	520	640	2,000	2,900	1,100	444	295	200	408
12	146	202	2,200	440	600	1,670	3,380	1,370	396	275	180	372
13	142	197	1,770	400	560	1,320	3,890	5,590	372	256	168	345
14	146	193	1,850	390	540	1,120	4,190	4,190	355	244	160	414
15	142	197	1,700	420	520	978	7,320	3,380	372	256	152	378
16	139	333	1,420	400	500	1,010	5,890	2,800	772	265	144	325
17	136	480	1,310	380	490	2,640	4,440	2,260	2,320	232	144	290
18	139	381	1,230	350	480	1,880	3,470	1,870	967	216	200	300
19	146	333	1,060	440	490	1,630	2,880	1,540	676	208	180	285
20	146	303	1,730	450	530	1,410	2,410	1,280	578	212	156	265
21	139	281	15,600	550	600	1,670	2,000	1,070	620	192	148	310
22	136	281	7,230	1,300	3,000	2,720	1,700	934	1,070	184	140	592
23	136	281	3,620	1,200	3,800	2,260	1,520	880	709	176	204	462
24	133	288	2,430	1,300	2,240	2,470	1,280	810	592	224	295	372
25	133	640	1,820	1,100	1,750	2,200	1,060	684	620	256	208	340
26	130	957	3,140	890	1,370	1,880	890	592	660	224	176	340
27	127	900	8,280	1,460	1,120	1,670	772	543	606	220	168	325
28	127	1,340	6,080	2,450	1,050	1,440	676	501	522	220	220	585
29	130	1,620	3,910	3,360	-----	1,250	613	522	487	256	236	4,390
30	318	1,320	2,900	2,570	-----	1,180	592	557	468	1,230	372	3,580
31	406	-----	2,150	2,130	-----	1,400	-----	468	-----	644	676	-----
TOTAL	5,052	14,694	94,325	32,217	30,730	57,458	89,863	44,500	22,119	10,947	7,358	22,430
MEAN	163	490	3,043	1,039	1,098	1,853	2,995	1,435	737	353	237	748
MAX	406	1,620	15,600	3,360	3,800	3,380	7,320	5,590	2,320	1,230	676	4,390
MIN	127	193	833	350	480	978	592	468	355	176	140	265
CFSM	.21	.63	3.89	1.33	1.40	2.37	3.83	1.83	.94	.45	.30	.96
IN.	.24	.70	4.48	1.53	1.46	2.73	4.27	2.11	1.05	.52	.35	1.07

CAL YR 1973 TOTAL 561,742 MEAN 1,539 MAX 17,000 MIN 127 CFSM 1.97 IN 26.69
WTR YR 1974 TOTAL 431,693 MEAN 1,183 MAX 15,600 MIN 127 CFSM 1.51 IN 20.51

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.--24 years, 562 ft³/s (15.92 m³/s) (23.06 in/yr (585.7 mm/yr)).

EXTREMES.--Current year: Maximum discharge: 14,700 ft³/s (416 m³/s) Dec. 21 (gage height, 13.26 ft (4.042 m)); minimum, 35 ft³/s (0.99 m³/s) Oct. 29 (gage height, 2.31 ft (0.704 m)).

Period of record: Maximum discharge, 15,800 ft³/s (447 m³/s) Mar. 5, 1964 (gage height, 13.66 ft (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 fair except those for winter periods, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	123	208	1,380	1,180	918	816	786	292	180	616	720
2	50	132	186	1,100	1,010	828	1,220	553	268	160	475	1,030
3	50	109	177	942	900	731	1,550	519	232	320	391	1,430
4	53	92	175	840	710	1,140	1,790	571	244	384	359	2,110
5	53	82	331	630	610	1,470	1,960	499	210	256	380	1,370
6	51	76	1,410	550	530	1,430	1,960	519	186	274	301	1,060
7	53	72	876	480	480	1,290	1,540	731	169	223	253	882
8	50	71	695	420	430	1,140	1,490	594	154	186	220	715
9	47	66	1,810	360	400	1,050	1,400	535	144	167	198	589
10	47	65	3,050	340	370	996	1,220	527	138	152	280	503
11	45	61	1,710	360	340	834	1,220	507	177	138	223	431
12	45	60	1,300	300	310	747	1,610	747	152	126	182	380
13	43	59	1,060	260	280	571	1,640	2,080	136	115	163	345
14	43	58	1,190	230	260	531	1,590	1,370	124	109	152	645
15	41	58	948	260	250	503	2,900	1,160	121	423	140	443
16	40	71	715	240	240	616	1,980	1,070	126	289	126	349
17	40	76	610	230	240	1,140	1,570	1,060	262	182	124	304
18	41	73	510	210	250	725	1,300	954	171	152	126	301
19	43	68	490	260	270	725	1,150	742	134	160	117	289
20	43	66	740	340	310	660	960	635	119	144	106	268
21	42	63	10,700	475	290	1,440	822	567	152	126	97	527
22	43	63	6,060	1,330	1,690	1,430	736	519	271	113	89	1,170
23	41	63	3,080	1,130	3,300	1,150	775	515	171	102	142	607
24	40	65	1,940	1,560	1,530	1,680	675	487	142	111	226	515
25	39	100	1,460	1,040	1,390	1,150	585	439	158	128	158	471
26	38	186	3,880	954	1,130	1,060	511	394	174	109	121	479
27	37	184	5,870	2,130	936	972	459	363	195	138	108	423
28	36	215	4,270	1,880	852	858	415	328	169	124	1,980	612
29	39	235	2,810	2,220	-----	710	387	335	148	106	1,220	1,920
30	126	220	2,240	1,670	-----	792	373	373	142	2,220	984	2,000
31	160	-----	1,570	1,420	-----	924	-----	292	-----	930	876	-----
TOTAL	1,569	2,932	62,071	25,541	20,488	30,211	36,604	20,771	5,281	8,347	10,933	22,888
MEAN	50.6	97.7	2,002	824	732	975	1,220	670	176	269	353	763
MAX	160	235	10,700	2,220	3,300	1,680	2,900	2,080	292	2,220	1,980	2,110
MIN	36	58	175	210	240	503	373	292	119	102	89	268
CFSM	.15	.30	6.05	2.49	2.21	2.95	3.69	2.02	.53	.81	1.07	2.31
IN.	.18	.33	6.98	2.87	2.30	3.40	4.11	2.33	.59	.94	1.23	2.57

CAL YR 1973 TOTAL 260,269 MEAN 713 MAX 10,700 MIN 36 CFSM 2.15 IN 29.25
WTR YR 1974 TOTAL 247,636 MEAN 678 MAX 10,700 MIN 36 CFSM 2.05 IN 27.83

PEAK DISCHARGE (BASE, 4,600 CFS)

DATE	TIME	G. H.	DISCHARGE
12-21	1800	13.26	14,700
12-27	1315	9.49	6,150
2-23	0015	8.91	5,200

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.

PERIOD OF RECORD.--July 1952 to current year.

EXTREMES.--Current year: Maximum discharge, 3,040 ft³/s (86.1 m³/s) Apr. 15 (gage height, 9.56 ft (2.914 m)); minimum daily, 11 ft³/s (0.31 m³/s) Dec. 17-19; minimum gage height, 2.87 ft (0.875 m) Dec. 17.

Period of record: Maximum discharge, 17,500 ft³/s (496 m³/s) Jan. 22, 1959 (gage height, 9.01 ft (2.746 m), site and datum then in use); minimum daily 7.2 ft³/s (0.20 m³/s) Feb. 8, 1966.

REMARKS.—Records good, 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 Part 2 of this report.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	571	36	18	1,050	2,060	1,100	1,010	610	301	39	27	38
2	142	35	14	1,320	1,810	1,090	1,010	630	311	29	208	30
3	648	34	14	1,330	1,550	1,050	1,340	575	293	31	96	32
4	866	34	14	1,280	1,340	1,030	1,660	600	269	29	29	31
5	312	299	17	1,150	1,120	1,290	2,140	640	196	29	27	28
6	405	597	18	1,030	960	1,610	2,530	610	119	29	27	28
7	98	696	16	947	924	1,680	2,440	447	56	29	223	28
8	28	871	15	836	850	1,610	2,280	322	34	29	388	28
9	27	1,010	26	729	770	1,550	2,200	253	40	28	700	28
10	27	1,100	23	672	700	1,520	1,990	367	54	305	780	28
11	751	1,210	18	673	660	1,340	1,810	490	38	750	273	28
12	1,040	1,280	15	655	620	1,100	1,900	630	33	880	293	28
13	1,060	1,240	14	574	592	924	2,020	1,430	532	936	583	28
14	1,130	1,270	15	495	592	780	2,100	1,860	690	870	532	29
15	1,170	1,060	13	473	566	680	2,770	1,840	374	558	730	28
16	1,120	996	13	488	507	680	2,970	1,720	93	327	1,300	28
17	1,170	914	11	495	473	936	2,680	1,550	30	830	1,260	28
18	1,270	770	11	445	456	960	2,280	1,450	28	1,030	700	28
19	1,270	782	11	448	430	720	1,970	1,260	28	1,100	498	29
20	1,230	120	12	440	464	532	1,720	1,080	28	1,050	395	515
21	1,270	197	33	461	498	490	1,450	948	32	820	297	228
22	1,290	733	24	772	670	700	1,260	850	28	800	316	233
23	1,330	593	18	1,060	2,240	960	1,180	810	28	1,100	924	447
24	1,370	325	16	1,440	2,440	1,370	1,060	750	28	984	840	498
25	1,380	309	15	1,490	2,220	1,520	960	690	29	1,210	198	507
26	1,390	49	20	1,400	1,900	1,150	860	630	54	1,220	210	515
27	1,290	36	50	1,610	1,520	880	780	575	32	972	660	532
28	616	35	28	2,250	1,240	720	710	481	28	912	338	515
29	47	33	22	2,570	-----	583	610	395	30	558	45	850
30	38	32	23	2,570	-----	700	549	349	122	289	220	1,410
31	35	-----	459	2,330	-----	948	-----	293	-----	45	293	-----
TOTAL	24,391	16,696	1,016	33,483	30,172	32,203	50,239	25,135	3,958	17,818	13,410	6,803
MEAN	787	557	32.8	1,080	1,078	1,039	1,675	811	132	575	433	227
MAX	1,390	1,280	459	2,570	2,440	1,680	2,970	1,860	690	1,220	1,300	1,410
MIN	27	32	11	440	430	490	549	253	28	28	27	28
CAL YR 1973	TOTAL	334,170	MEAN	916	MAX	11,000	MIN	11</				

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.--Oct. 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.--5 years, 8.87 ft³/s (0.251 m³/s) (25.57 in/yr or 649.5 mm/yr).

EXTREMES.--Current year: Maximum discharge 175 ft³/s (4.96 m³/s) Dec. 21 (gage height, 2.26 ft or 0.689 m); minimum, 0.12 ft³/s (0.003 m³/s) Aug. 22 (gage height, 0.16 ft or 0.049 m).

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. Water-quality records for the current year are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WRD N.Y. 1971: 1970.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.59	5.5	5.8	14	15	7.0	9.7	9.3	3.1	2.2	.67	1.2
2	.78	4.6	4.6	11	13	6.6	20	5.7	2.4	1.3	.57	2.4
3	.85	3.4	4.4	9.0	11	7.9	26	7.2	2.2	2.2	.47	10
4	.78	2.7	4.6	7.9	9.0	19	44	7.2	2.2	1.7	.67	8.3
5	.85	2.4	18	6.5	8.4	36	33	6.0	1.7	1.3	.82	3.5
6	.78	1.9	33	5.5	8.0	28	24	6.9	1.4	1.1	.52	2.4
7	.65	1.9	16	4.7	7.2	24	18	7.9	1.2	.82	.42	2.2
8	.59	1.8	12	4.1	6.6	20	23	6.2	1.1	.72	.42	1.4
9	.54	1.7	46	3.9	6.2	16	18	6.0	1.0	.62	.38	1.3
10	.78	1.5	40	3.7	5.8	16	15	6.9	1.1	.57	.38	1.0
11	.65	1.4	21	3.6	6.4	13	17	6.0	5.5	.47	.32	.94
12	.65	1.4	18	3.4	7.0	11	26	24	2.4	.47	.32	.88
13	.65	1.4	14	3.3	6.0	8.8	33	44	1.7	.32	.29	.82
14	.65	1.4	18	3.2	5.2	8.0	28	21	1.5	.32	.32	1.2
15	.54	1.4	13	3.1	4.3	9.0	42	15	1.4	1.9	.26	.88
16	.46	2.4	10	3.0	4.1	9.0	24	12	3.3	.88	.29	.72
17	.42	2.2	10	3.0	3.8	12	17	11	3.0	.52	.29	.72
18	.50	1.9	12	3.3	3.4	9.7	14	8.6	2.2	.38	.32	.72
19	.59	1.9	16	4.5	3.3	8.3	13	6.9	1.5	.35	.26	.72
20	.54	1.8	20	6.6	3.5	7.6	10	5.7	1.3	.29	.26	.62
21	.50	1.8	111	12	3.5	17	9.0	4.9	2.0	.26	.26	13
22	.50	1.8	38	27	37	14	8.3	4.4	2.0	.29	.20	9.3
23	.46	1.7	25	14	46	14	9.3	5.7	1.5	.24	.67	4.7
24	.46	2.1	17	14	15	15	7.9	4.7	1.2	.72	.77	3.3
25	.50	5.5	12	9.7	12	10	6.5	4.2	1.6	.52	.42	2.8
26	.46	6.7	30	9.0	10	8.6	6.0	3.5	1.9	.57	.35	3.0
27	.46	7.0	71	45	8.4	8.2	5.2	3.3	1.5	1.3	.38	2.4
28	.50	8.6	41	34	7.2	7.0	4.7	3.1	1.2	.57	.52	2.4
29	.59	8.3	29	33	-----	7.2	4.4	3.9	1.2	.72	.82	4.4
30	5.2	6.7	24	22	-----	9.0	4.2	3.5	1.2	2.8	1.3	4.2
31	2.8	-----	16	19	-----	11	-----	2.8	-----	.88	.94	-----
TOTAL	25.27	94.8	750.4	346.0	276.3	397.9	520.2	267.5	56.5	27.30	14.88	91.42
MEAN	.82	3.16	24.2	11.2	9.87	12.8	17.3	8.63	1.88	.88	.48	3.05
MAX	5.2	8.6	111	45	46	36	44	44	5.5	2.8	1.3	13
MIN	.42	1.4	4.4	3.0	3.3	6.6	4.2	2.8	1.0	.24	.20	.62
CFSM	.17	.67	5.14	2.38	2.10	2.72	3.67	1.83	.40	.19	.10	.65
IN.	.20	.75	5.93	2.73	2.18	3.14	4.11	2.11	.45	.22	.12	.72

CAL YR 1973 TOTAL 3,317.94 MEAN 9.09 MAX 111 MIN .26 CFSM 1.93 IN 26.21
WTR YR 1974 TOTAL 2,868.47 MEAN 7.86 MAX 111 MIN .20 CFSM 1.67 IN 22.66

PEAK DISCHARGE (BASE, 120 CFS)

DATE	TIME	G. H.	DISCHARGE
12-21	0830	2.26	175

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, 4,420 ft³/s (125 m³/s) Apr. 15 (gage height, 7.02 ft (2.140 m)); minimum, 41 ft³/s (1.16 m³/s) Sept. 19; minimum gage height, 1.24 ft (0.378 m) Oct. 9.

Period of record: Maximum discharge, 28,900 ft³/s (818 m³/s) Mar. 22, 1948 (gage height, 15.69 ft (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 good except those for winter periods, which are fair. Subsequent to October 1963, entire flow from 454 mi² (1,176 km²) drainage area controlled by Cannonsville Reservoir (see Reservoirs in Delaware River basin). Part of flow diverted for New York City municipal supply. Remainder of flow (except for conservation releases and spill) impounded for release during periods of low flow in the lower Delaware River basin, as directed by the Delaware River Master. Water-quality records for the current year are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 756: Drainage area. WSP 871: 1916.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	602	153	251	1,410	2,630	1,440	1,400	873	499	168	77	125
2	279	180	198	1,580	2,230	1,380	1,710	820	463	103	199	233
3	463	139	176	1,550	1,930	1,310	2,220	802	452	120	192	475
4	991	117	160	1,470	1,660	1,490	3,000	830	418	124	73	565
5	480	301	394	1,290	1,300	2,320	3,480	838	307	99	64	271
6	373	652	1,050	1,180	1,100	2,640	3,430	843	196	101	58	179
7	216	758	602	1,090	1,000	2,510	3,110	724	129	83	200	138
8	58	917	440	951	980	2,380	2,990	569	88	74	443	107
9	50	1,050	1,220	838	900	2,190	2,840	466	83	69	665	86
10	53	1,140	1,370	804	820	2,080	2,530	585	91	340	871	76
11	568	1,210	834	815	793	1,790	2,380	675	200	654	396	68
12	1,090	1,320	592	720	759	1,510	2,660	1,110	114	970	355	59
13	1,080	1,260	450	640	743	1,230	3,010	2,630	482	1,020	585	56
14	1,150	1,280	487	560	748	1,030	3,060	2,560	791	955	598	69
15	1,180	1,130	370	540	699	897	4,110	2,340	546	828	737	57
16	1,140	1,080	260	540	620	927	3,810	2,100	230	378	1,300	49
17	1,180	1,000	210	540	595	1,310	3,300	1,860	132	856	1,320	44
18	1,250	867	230	540	570	1,280	2,800	1,720	95	1,090	817	45
19	1,270	853	240	540	550	1,010	2,430	1,520	82	1,190	564	43
20	1,230	291	310	540	580	804	2,080	1,310	79	1,140	455	363
21	1,270	240	2,870	595	605	1,000	1,780	1,140	256	915	348	600
22	1,280	555	1,410	1,070	1,190	1,130	1,570	1,010	210	853	351	575
23	1,310	805	832	1,350	3,100	1,360	1,510	975	136	1,140	936	580
24	1,360	387	560	1,720	2,980	1,810	1,350	916	112	1,110	936	565
25	1,370	557	475	1,720	2,670	1,840	1,210	835	118	1,280	357	545
26	1,390	310	850	1,610	2,230	1,500	1,080	755	131	1,280	247	550
27	1,290	310	1,980	2,490	1,800	1,190	969	692	132	1,110	576	550
28	795	428	1,560	3,180	1,530	982	878	614	98	1,000	509	555
29	91	386	1,030	3,580	-----	798	777	579	93	699	94	781
30	201	316	821	3,330	-----	903	704	514	170	519	216	1,110
31	137	-----	897	3,000	-----	1,320	-----	431	-----	126	504	-----
TOTAL	25,197	19,992	23,129	41,783	37,312	45,361	68,178	33,636	6,933	20,394	15,043	9,519
MEAN	813	666	746	1,348	1,333	1,463	2,273	1,085	231	658	485	317
MAX	1,390	1,320	2,870	3,580	3,100	2,640	4,110	2,630	791	1,280	1,320	1,110
MIN	50	117	160	540	550	798	704	431	79	69	58	43

CAL YR 1973 TOTAL 431,690 MEAN 1,183 MAX 12,100 MIN 47
WTR YR 1974 TOTAL 346,477 MEAN 949 MAX 4,110 MIN 43

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 current year.

GAGE.--Water-stage recorder. Datum of gage is 743.00 ft (226.466 m) above mean sea level.

EXTREMES.--Current year: Maximum discharge, 36,700 ft³/s (1,039 m³/s) Dec. 21 (gage height, 10.99 ft or 3.350 m); minimum, 320 ft³/s (9.06 m³/s) Aug. 8 (gage height, 1.90 ft or 0.579 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 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 Part 2 of this report.

REVISIONS (WATER YEARS).--WRD N.Y. 1971: 1969, 1970.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	920	1,000	2,400	4,650	6,850	3,390	4,080	2,790	2,620	1,040	941	1,250
2	1,000	980	2,100	4,400	5,600	3,400	4,520	2,880	3,580	1,060	620	1,530
3	700	1,000	1,900	4,060	5,260	3,170	6,360	2,580	2,380	814	642	2,050
4	1,100	880	1,800	3,750	4,750	3,330	8,740	2,860	2,080	1,080	570	3,190
5	1,200	800	1,900	3,210	3,150	5,710	11,500	2,640	1,780	967	440	2,330
6	820	780	5,630	2,800	2,140	8,490	13,000	2,550	1,470	790	470	1,680
7	820	915	4,420	2,400	2,490	7,910	10,500	3,050	1,220	719	410	1,360
8	620	1,250	3,250	2,100	2,550	7,720	8,770	2,770	1,020	600	510	1,180
9	470	1,400	4,300	1,900	2,200	7,040	8,150	2,380	928	530	686	1,010
10	440	1,530	10,200	1,800	2,000	6,200	7,200	2,510	863	470	1,090	876
11	440	1,560	6,510	2,100	1,800	5,400	6,540	2,530	778	719	1,060	778
12	1,000	1,710	4,520	1,800	1,700	4,520	7,360	3,430	826	1,200	560	708
13	1,400	1,660	3,450	1,600	1,600	3,640	8,220	12,200	686	1,340	560	642
14	1,500	1,660	3,370	1,600	1,500	3,250	8,600	9,530	1,160	1,330	941	708
15	1,600	1,650	3,450	1,700	1,400	2,790	12,600	7,720	1,330	1,370	814	778
16	1,500	1,700	2,650	1,800	1,300	2,690	11,800	6,450	1,060	1,050	1,270	653
17	1,500	1,900	2,230	1,600	1,300	4,880	9,530	5,430	2,530	742	1,770	560
18	1,510	1,700	1,830	1,500	1,300	4,520	7,810	4,650	2,030	1,230	1,570	500
19	1,600	1,600	1,940	1,400	1,340	3,900	6,570	3,970	1,230	1,480	1,040	500
20	1,600	1,300	2,250	1,600	1,540	3,390	5,680	3,370	928	1,480	850	490
21	1,600	880	19,400	1,800	1,780	3,700	4,780	2,940	863	1,400	653	1,120
22	1,620	800	16,400	2,500	2,670	5,600	4,150	2,580	1,700	1,110	560	1,680
23	1,590	920	7,880	3,500	9,340	4,990	3,790	2,370	1,500	1,110	778	1,650
24	1,650	1,500	4,400	3,700	7,360	5,430	3,390	2,300	1,080	1,540	1,540	1,470
25	1,690	1,400	3,800	3,600	6,030	5,370	2,960	2,080	980	1,720	1,300	1,340
26	1,740	2,300	4,200	3,500	4,930	4,650	2,580	1,810	1,160	1,680	590	1,300
27	1,690	2,200	13,400	4,500	4,020	4,020	2,260	1,620	1,150	1,640	520	1,300
28	1,530	2,900	12,500	9,000	3,580	3,470	2,030	1,500	954	1,420	1,060	1,620
29	1,000	3,500	8,420	10,000	-----	3,010	1,830	1,460	814	1,360	790	5,680
30	980	2,800	6,360	9,160	-----	2,790	1,660	1,630	754	2,420	570	6,690
31	1,000	-----	4,800	7,680	-----	3,660	-----	1,390	-----	1,840	1,410	-----
TOTAL	37,830	46,175	171,660	106,710	91,480	142,030	196,960	107,970	41,454	37,251	26,585	46,623
MEAN	1,220	1,539	5,537	3,442	3,267	4,582	6,565	3,483	1,382	1,202	858	1,554
MAX	1,740	3,500	19,400	10,000	9,340	8,490	13,000	12,200	3,580	2,420	1,770	6,690
MIN	440	780	1,800	1,400	1,300	2,690	1,660	1,390	686	470	410	490
CFSM	.72	.90	3.25	2.02	1.92	2.69	3.85	2.04	.81	.70	.50	.91
IN.	.82	1.01	3.74	2.33	1.99	3.10	4.29	2.35	.90	.81	.58	1.02

CAL YR 1973 TOTAL 1,271,732 MEAN 3,484 MAX 40,200 MIN 422 CFSM 2.04 IN 27.73
WTR YR 1974 TOTAL 1,052,728 MEAN 2,884 MAX 19,400 MIN 410 CFSM 1.69 IN 22.96

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.--34 years, 174 ft³/s (4.928 m³/s) (21.29 in/yr or 540.8 mm/yr).

EXTREMES.--Current year: Maximum discharge, 6,750 ft³/s (191 m³/s) Dec. 21 (gage height, 6.82 ft or 2.079 m); minimum, 24 ft³/s (0.68 m³/s) Oct. 28, July 22, 23, Aug. 17; minimum gage height, 1.37 ft (0.418 m) July 22, 23, Aug. 17.

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 fair except those for winter periods, which are poor. Occasional regulation by small pond above 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	102	201	330	385	188	448	380	762	262	101	173
2	39	100	163	270	302	179	580	200	322	143	75	538
3	56	77	145	230	270	167	514	230	203	109	70	490
4	51	63	135	215	238	262	514	230	176	105	86	466
5	65	56	440	180	185	365	784	182	138	84	212	250
6	61	51	678	160	160	326	664	218	118	75	103	179
7	51	46	345	150	140	302	430	314	103	66	75	179
8	46	45	252	140	130	294	346	221	92	59	62	149
9	42	45	856	130	110	306	532	197	88	52	55	123
10	40	42	823	120	110	322	454	238	81	47	55	107
11	38	39	477	140	100	266	448	209	73	43	46	94
12	35	39	340	130	100	224	400	713	70	38	40	81
13	34	39	260	120	100	182	346	1,170	70	36	36	73
14	39	40	356	120	100	170	406	514	64	34	33	116
15	36	39	260	110	100	155	1,050	355	69	49	29	85
16	35	88	198	110	110	448	496	278	258	44	26	68
17	32	100	198	110	120	784	360	234	418	34	61	61
18	32	73	182	130	110	385	298	200	170	32	101	59
19	34	65	163	160	120	334	286	170	107	37	61	52
20	34	58	232	200	140	310	246	146	92	34	43	51
21	32	54	4,220	350	161	768	215	128	130	29	36	81
22	31	54	1,240	629	1,110	643	197	121	170	26	32	121
23	30	53	629	400	936	424	191	128	107	25	64	77
24	29	61	430	370	370	406	170	128	88	62	52	62
25	28	212	334	278	298	298	152	109	107	68	38	55
26	27	201	706	250	227	254	138	98	152	44	34	57
27	25	209	1,710	888	194	227	126	90	121	62	36	57
28	25	528	1,150	969	185	206	116	84	94	64	41	334
29	29	452	685	1,080	-----	182	109	118	92	158	46	671
30	163	269	520	615	-----	194	123	127	88	502	182	390
31	108	-----	380	478	-----	282	-----	96	-----	170	182	-----
TOTAL	1,367	3,300	18,708	9,562	6,611	9,853	11,139	7,626	4,623	2,593	2,113	5,299
MEAN	44.1	110	603	308	236	318	371	246	154	83.6	68.2	177
MAX	163	528	4,220	1,080	1,110	784	1,050	1,170	762	502	212	671
MIN	25	39	135	110	100	155	109	84	64	25	26	51
CFSM	.40	.99	5.43	2.77	2.13	2.86	3.34	2.22	1.39	.75	.61	1.59
IN.	.46	1.11	6.27	3.20	2.22	3.30	3.73	2.56	1.55	.87	.71	1.78

CAL YR 1973 TOTAL 99,994 MEAN 274 MAX 4,480 MIN 25 CFSM 2.47 IN 33.51
WTR YR 1974 TOTAL 82,794 MEAN 227 MAX 4,420 MIN 25 CFSM 2.05 IN 27.75

PEAK DISCHARGE (BASE, 2,200 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-21	0845	6.82	6,750	2-22	2030	4.94	2,750
12-27	0100	4.78	2,500	5-12	2115	4.98	2,820

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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.

PERIOD OF RECORD.--October 1940 to current year.

EXTREMES.--Current year: Maximum discharge, 47,200 ft³/s (1,340 m³/s) Dec. 21 (gage height, 14.31 ft (4.362 m)); minimum, 285 ft³/s (8.07 m³/s) Oct. 12 (gage height, 1.93 ft (0.588 m)); minimum daily, 300 ft³/s (8.50 m³/s) Oct. 11.
Period of record: Maximum discharge, 130,000 ft³/s (3,680 m³/s) Aug. 19, 1955 (gage height, 26.40 ft (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 (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 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 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 Part 2 of this report.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	910	931	2,680	5,740	8,630	3,980	5,550	3,160	3,470	1,740	1,490	2,000
2	851	861	2,240	5,380	7,050	4,130	6,380	3,680	4,860	1,640	1,020	2,700
3	870	983	1,930	4,810	5,200	3,800	8,420	3,160	3,230	1,250	818	3,500
4	519	832	1,760	4,380	4,300	3,850	10,900	3,550	2,610	1,370	962	4,500
5	1,480	668	1,930	3,500	3,300	5,910	14,100	3,270	2,270	1,410	944	3,500
6	1,110	617	6,470	2,900	2,900	9,930	16,900	3,060	1,890	1,100	794	2,500
7	677	1,030	5,330	2,500	3,100	9,470	13,500	3,740	1,560	955	746	2,000
8	757	1,170	4,310	2,200	2,800	9,260	11,100	3,640	1,330	842	611	1,600
9	436	1,320	5,060	2,000	2,500	8,800	10,600	3,040	1,180	718	834	1,400
10	335	1,460	14,300	1,900	2,400	7,780	9,720	3,200	1,090	629	971	1,200
11	300	1,550	9,160	2,300	2,300	6,860	8,490	3,230	993	687	1,270	1,000
12	350	1,620	6,230	1,900	2,100	5,680	9,190	3,430	1,050	960	926	900
13	1,360	1,720	4,630	1,700	2,000	4,660	9,760	16,200	923	1,400	695	800
14	1,380	1,660	4,310	1,600	1,900	3,800	10,300	12,600	1,040	1,430	778	899
15	1,440	1,690	4,380	1,700	1,900	3,490	15,600	9,790	1,530	1,410	926	962
16	1,470	1,660	3,470	1,900	1,800	3,310	15,100	7,980	1,600	1,470	917	917
17	1,420	1,840	2,810	1,700	1,700	6,980	12,000	6,650	2,860	769	1,800	754
18	1,470	1,800	1,970	1,600	1,700	6,380	9,720	5,600	2,870	1,120	2,080	681
19	1,550	1,550	1,830	1,500	1,700	5,280	8,120	4,810	1,700	1,480	1,390	639
20	1,580	1,430	2,120	1,700	1,900	4,710	7,010	4,060	1,260	1,600	1,060	632
21	1,540	1,010	25,700	2,400	2,130	5,040	5,850	3,470	1,110	1,510	866	746
22	1,560	686	26,500	3,000	2,810	8,350	5,010	3,040	1,770	1,250	695	1,600
23	1,560	813	11,600	5,000	12,000	6,860	4,530	2,790	1,980	1,130	674	1,770
24	1,620	1,420	6,000	5,200	9,970	6,830	4,110	2,720	1,410	1,540	1,210	1,530
25	1,660	1,370	4,700	5,000	8,250	6,830	3,590	2,500	1,240	1,850	1,440	1,370
26	1,680	2,290	5,000	4,800	6,260	5,940	3,160	2,220	1,440	1,860	1,000	1,290
27	1,680	2,190	16,300	5,600	4,990	5,120	2,770	2,000	1,490	1,880	700	1,280
28	1,540	2,970	18,100	12,200	4,360	4,380	2,500	1,830	1,330	1,660	750	1,310
29	1,270	3,980	12,300	14,200	-----	3,830	2,270	1,770	1,110	1,600	1,100	5,630
30	842	3,370	8,910	11,800	-----	3,450	2,090	2,040	1,020	2,730	900	8,200
31	851	-----	6,590	9,760	-----	4,380	-----	1,800	-----	2,920	1,400	-----
TOTAL	36,068	46,491	228,620	131,870	111,950	179,070						

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.--45 years (1908-17, 1938-74), 477 ft³/s (13.5 m³/s), 22.34 in/yr (567 mm/yr), adjusted for storage since October 1959.

EXTREMES.--Current year: Maximum discharge, 5,580 ft³/s (158 m³/s) Dec. 21 (gage height, 7.52 ft or 2.292 m); minimum observed, 56 ft³/s (1.59 m³/s) Aug. 23 (gage height, 1.50 ft or 0.457 m).

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 good except those for winter periods, which are 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. Records of water quality for the current year are published in Part 2 of Pennsylvania 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	110	273	501	1,130	1,370	468	877	478	563	429	230	289
2	112	254	418	913	1,090	504	1,160	449	640	349	181	1,290
3	127	218	375	765	870	468	2,070	424	454	242	160	1,070
4	127	191	355	682	660	499	3,710	536	322	420	154	1,490
5	170	170	516	558	540	863	3,560	434	268	383	174	828
6	173	158	1,250	500	490	1,110	3,170	388	230	279	150	468
7	146	151	866	440	460	928	2,070	444	202	230	126	401
8	129	142	643	390	440	856	1,490	392	184	191	114	330
9	121	136	1,750	370	400	1,120	1,630	354	174	165	105	262
10	131	129	3,870	350	380	1,260	1,670	504	165	141	109	224
11	127	125	2,020	360	340	1,070	1,380	520	154	122	102	199
12	114	125	1,230	400	310	828	1,540	928	152	109	90	184
13	108	125	901	380	280	629	1,350	3,430	143	102	85	176
14	101	123	866	350	260	536	1,200	2,100	133	95	82	184
15	101	123	806	320	260	494	2,530	1,350	131	95	74	179
16	99	165	619	310	240	580	1,870	965	150	97	70	158
17	99	204	480	320	220	1,350	1,290	739	186	88	80	150
18	98	191	450	310	210	935	996	585	176	83	129	141
19	98	173	420	290	210	800	842	478	152	85	93	131
20	99	158	400	300	220	793	746	397	139	85	72	122
21	101	148	3,600	400	260	1,440	629	345	139	82	65	129
22	96	146	3,880	660	700	2,430	558	307	202	79	59	165
23	91	142	2,290	1,100	2,300	1,520	514	300	184	74	68	145
24	89	142	1,490	1,250	1,300	1,130	463	293	158	109	92	126
25	86	340	1,090	996	860	870	411	258	154	181	76	114
26	86	511	1,120	807	620	720	370	233	172	150	68	107
27	86	440	3,640	1,740	500	646	333	219	179	145	64	104
28	83	793	4,120	3,190	460	574	307	207	165	141	70	131
29	108	887	2,780	3,710	-----	514	286	210	156	118	79	707
30	590	631	1,930	2,490	-----	499	275	265	163	326	296	700
31	388	-----	1,430	1,730	-----	670	-----	233	-----	354	314	-----
TOTAL	4,194	7,514	46,106	27,511	16,250	27,104	39,297	18,765	6,390	5,549	3,631	10,704
MEAN	135	250	1,487	887	580	874	1,310	605	213	179	117	357
MAX	590	887	4,120	3,710	2,300	2,430	3,710	3,430	640	429	314	1,490
MIN	83	123	355	290	210	468	275	207	131	74	59	104
MEAN#	136	254	1,501	884	568	874	1,306	603	216	180	113	370
CFSM#	.47	.88	5.18	3.05	1.96	3.01	4.50	2.08	.74	.62	.39	1.28
IN.#	.54	.98	5.97	3.52	2.04	3.47	5.02	2.40	.83	.72	.45	1.43

CAL YR 1973 TOTAL 245,150 MEAN 672 MAX 10,300 MIN 83 MEAN# 672 CFSM# 2.32 IN.# 31.44
WTR YR 1974 TOTAL 213,015 MEAN 584 MAX 4,120 MIN 59 MEAN# 585 CFSM# 2.02 IN.# 27.37

Adjusted for change in contents in Prompton Lake and General Edgar Jadwin Reservoir.

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.--65 years, 360 ft³/s (10.2 m³/s), 21.44 in/yr (545 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	0	1,760	969	810	972	33	0	0	606	0
2	0	0	0	1,760	913	727	1,040	0	0	0	594	0
3	0	13	0	1,760	682	0	80	0	0	676	28	826
4	978	0	0	1,720	976	810	0	0	722	0	0	948
5	1,040	0	0	690	965	804	13	0	730	0	0	1,020
6	127	0	0	216	976	812	0	0	819	0	0	1,210
7	0	0	0	918	1,010	766	0	0	715	0	0	1,770
8	893	0	0	940	986	831	0	0	0	972	0	1,780
9	914	0	0	962	952	716	928	0	0	950	0	1,760
10	911	0	0	926	656	0	926	20	1,210	478	0	978
11	525	0	0	975	942	775	956	0	702	0	0	981
12	870	0	0	707	985	938	0	0	0	64	598	946
13	726	0	0	226	989	1,000	0	96	0	25	616	817
14	132	0	0	954	951	918	0	0	0	52	639	0
15	0	0	0	1,020	962	954	48	0	0	966	606	0
16	49	0	0	1,020	978	807	927	88	0	0	587	714
17	0	0	0	969	692	0	955	833	0	0	0	714
18	0	0	179	1,020	1,010	930	1,080	0	0	0	0	680
19	0	0	0	789	1,010	955	1,340	0	0	246	643	725
20	0	0	0	353	1,020	969	0	0	310	11	615	732
21	0	0	973	948	948	1,050	39	0	0	0	609	0
22	0	0	1,760	955	1,000	978	0	683	0	0	590	0
23	0	0	1,790	996	674	844	0	450	0	10	597	808
24	0	0	1,680	966	0	20	0	339	0	0	0	711
25	0	0	934	1,020	828	1,110	0	0	0	0	0	724
26	0	0	973	884	858	949	0	0	0	0	667	0
27	0	26	1,210	698	826	957	0	0	410	0	669	0
28	34	19	1,780	953	780	968	0	0	1,290	0	440	0
29	18	0	1,780	959	-----	1,150	227	0	0	0	0	0
30	0	0	1,800	968	-----	778	635	362	0	0	0	772
31	9.2	-----	1,780	988	-----	0	-----	370	-----	605	0	-----
TOTAL	7,226.2	58	16,639	30,020	24,538	23,326	10,166	3,274	6,908	5,055	9,104	19,616
MEAN	233	1.93	537	968	876	752	339	106	230	163	294	654
MAX	1,040	26	1,800	1,760	1,020	1,150	1,340	833	1,290	972	669	1,780
MIN	0	0	0	216	0	0	0	0	0	0	0	0
CFSM	-	-	-	-	-	-	-	-	-	-	-	-
IN.	-	-	-	-	-	-	-	-	-	-	-	-

CAL YR 1973 TOTAL 175,934.50 MEAN 482 MAX 6,440 MIN 0 CFSM - IN. -
WTR YR 1974 TOTAL 155,930.20 MEAN 427 MAX 1,800 MIN 0 CFSM - IN. -

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.--35 years, 331 ft³/s (9.374 m³/s) (unadjusted).

EXTREMES.--Current year: Maximum discharge 6,600 ft³/s (187 m³/s) Dec. 21 (gage height, 9.96 ft or 3.036 m); minimum daily 19 ft³/s (0.54 m³/s) Oct. 26.

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 Reservoirs in Delaware River basin) and small reservoirs above station. Water-quality records for the current year are published in Part 2 of this report.

REVISIONS(WATER YEARS).--WRD N.Y., 1971: 1970.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	348	24	389	1,340	744	307	732	120	503	423	704	198
2	441	25	388	1,100	740	69	736	295	452	348	589	648
3	494	24	497	736	736	390	740	410	455	420	613	1,460
4	513	82	407	488	732	353	692	494	488	156	576	1,630
5	505	124	549	636	724	299	760	479	452	378	582	1,130
6	487	91	728	676	724	425	816	497	449	165	599	744
7	48	212	720	676	724	309	1,410	443	592	29	485	748
8	489	135	717	636	720	327	848	485	603	449	265	744
9	520	268	733	241	716	403	1,000	503	585	720	135	740
10	432	138	744	716	620	398	1,320	497	610	589	34	613
11	20	32	735	708	547	332	748	724	610	173	33	543
12	43	127	729	610	473	97	736	385	613	183	229	568
13	67	136	726	506	464	255	732	764	437	170	288	561
14	27	266	743	652	485	60	732	585	49	28	309	571
15	21	129	731	434	610	177	744	550	29	126	284	582
16	43	142	725	301	582	230	728	540	305	301	148	624
17	20	26	724	247	592	578	724	509	554	28	86	420
18	53	25	623	267	596	329	578	345	365	247	49	467
19	22	246	596	388	596	360	724	141	373	363	425	488
20	21	260	601	385	632	200	720	473	373	180	571	393
21	20	358	2,770	557	138	497	716	357	30	30	380	43
22	304	30	3,670	434	280	712	712	440	348	292	410	97
23	449	227	2,000	461	585	740	512	425	30	320	373	249
24	516	130	1,560	443	620	736	503	458	358	360	79	145
25	31	270	945	440	676	732	712	529	31	110	33	69
26	19	346	832	440	512	728	708	385	120	31	503	37
27	20	386	1,070	503	303	636	708	578	195	35	385	188
28	51	392	1,800	744	278	522	704	470	408	33	380	259
29	555	393	2,110	756	-----	640	476	506	358	378	385	672
30	633	389	1,560	752	-----	724	41	464	29	606	464	732
31	160	-----	1,290	748	-----	736	-----	503	-----	554	63	-----
TOTAL	7,372	5,433	32,412	18,021	16,149	13,301	22,012	14,354	10,804	8,225	10,461	16,363
MEAN	238	181	1,046	581	577	429	734	463	360	265	337	545
MAX	633	393	3,670	1,340	744	740	1,410	764	613	720	704	1,630
MIN	19	24	388	241	138	60	41	120	29	28	33	37

CAL YR 1973 TOTAL 191,077 MEAN 523 MAX 4,570 MIN 19
WTR YR 1974 TOTAL 174,907 MEAN 479 MAX 3,670 MIN 19

DELAWARE RIVER BASIN

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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. Prior to Aug. 13, 1928 (October 1904 to June 20, 1914 operated by U.S. Weather Bureau. June 20, 1914 to Aug. 13 1928, nonrecording gages at highway bridge 250 ft (76 m) upstream at present datum.

EXTREMES.--Current year: Maximum discharge, 68,800 ft³/s (1,950 m³/s) Dec. 21 (gage height, 13.07 ft or 3.984 m), minimum, 830 ft³/s (23.5 m³/s) Oct 12 (gage height, 1.80 ft or 0.549 m), minimum daily, 1,070 ft³/s (30.3 m³/s) Aug. 9.

Period of record: Maximum discharge, 233,000 ft³/s (6,600 m³/s) Aug. 19, 1955 (gage height, 23.91 ft (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 (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 except those for winter periods, which are fair. Flow regulated by Lake Wallenpaupack and by Toronto, Cliff Lake, and Swinging Bridge Reservoirs (see Reservoirs in Delaware River basin) and smaller reservoirs. Large diurnal fluctuations at medium and low flows caused by powerplants on tributary streams. Subsequent to September 1954, entire flow from 371 mi² (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 Reservoirs Delaware River basin). Part of flow from these reservoirs diverted for New York City municipal supply. Remainder of flow (except for conservation releases and spill) impounded for release during periods of low flow in the lower Delaware River basin, as directed by the Delaware River Master. Records of water-quality for the current year are published in Part 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,450	2,130	4,480	11,800	13,300	6,470	8,650	4,320	4,190	2,660	3,700	2,850
2	1,600	1,830	3,790	10,800	11,400	6,340	10,300	5,150	6,910	3,080	2,770	5,810
3	1,870	1,740	3,400	9,530	9,710	5,920	12,300	4,570	5,070	2,590	2,360	7,410
4	1,680	1,720	3,040	8,630	8,800	5,860	15,900	5,020	4,210	2,690	1,950	10,100
5	3,340	1,530	3,290	7,100	8,130	7,850	18,700	4,790	4,200	2,690	1,890	10,100
6	3,010	1,310	8,090	6,090	6,830	12,400	22,100	4,410	3,680	2,120	1,890	6,800
7	1,580	1,560	9,710	6,120	6,000	12,100	19,500	5,040	3,430	1,650	1,580	6,260
8	1,780	1,850	7,100	5,800	5,800	11,700	14,800	5,260	3,030	1,920	1,350	6,090
9	2,420	1,960	6,940	5,020	5,400	11,700	15,200	4,500	2,240	2,840	1,070	5,430
10	2,290	2,040	20,200	4,900	4,900	10,600	15,300	4,630	2,520	2,620	1,180	4,540
11	1,720	2,070	14,900	5,000	4,300	9,760	13,100	5,150	2,930	1,670	1,430	3,630
12	1,360	2,050	10,400	5,400	4,500	8,400	12,700	4,730	2,580	1,260	1,580	3,300
13	2,330	2,250	8,090	4,900	4,400	7,560	12,600	19,400	1,920	1,850	1,710	3,290
14	2,290	2,310	7,850	4,400	4,600	6,120	13,100	17,300	1,310	1,720	1,880	2,280
15	1,920	2,210	7,850	4,200	4,500	5,870	18,000	13,200	1,760	1,890	1,970	2,020
16	1,830	2,250	6,530	4,300	4,400	5,600	19,500	10,800	2,910	2,840	1,760	2,340
17	1,810	2,360	5,660	4,600	3,700	9,670	16,100	9,530	4,480	1,280	2,080	2,290
18	1,830	2,380	4,730	4,800	3,800	9,700	13,500	8,000	4,910	1,330	3,030	2,220
19	1,830	2,310	4,200	4,400	4,070	8,570	11,900	6,380	3,070	1,940	2,560	2,210
20	1,900	2,170	3,760	4,200	4,480	7,760	10,200	5,710	2,410	2,200	2,760	2,130
21	1,890	2,070	34,300	4,410	4,270	7,990	8,300	5,000	2,130	1,740	2,220	1,620
22	2,040	1,320	45,100	6,870	5,160	13,900	7,260	4,490	2,420	1,800	2,120	1,980
23	2,290	1,340	21,600	8,970	16,000	11,600	6,480	5,010	2,780	1,640	1,870	2,940
24	2,420	1,850	15,300	9,310	14,100	9,950	5,860	4,340	2,440	1,880	1,820	2,860
25	2,020	2,170	10,300	8,970	11,900	10,100	5,500	3,940	1,880	2,170	1,760	2,520
26	1,940	3,370	9,580	8,220	9,570	9,370	4,960	3,280	2,120	2,170	1,760	2,200
27	1,960	3,620	21,100	8,760	7,940	8,310	4,520	3,160	2,360	2,130	2,040	1,820
28	1,870	4,350	28,700	18,300	6,980	7,360	4,110	2,860	3,370	2,090	1,820	1,950
29	2,270	6,270	22,000	20,800	-----	6,950	3,730	2,800	2,710	2,530	2,120	5,930
30	3,010	5,520	16,600	18,100	-----	6,420	3,030	3,290	1,640	4,970	1,910	11,100
31	2,500	-----	13,300	15,000	-----	6,810	-----	3,270	-----	5,310	2,730	-----
TOTAL	64,050	71,910	381,890	249,700	198,940	268,710	346,200	189,330	91,610	71,270	62,670	126,020
MEAN	2,066	2,397	12,320	8,055	7,105	8,668	11,540	6,107	3,054	2,299	2,022	4,201
MAX	3,340	6,270	45,100	20,800	16,000	13,900	22,100	19,400	6,910	5,310	3,700	11,100
MIN	1,360	1,310	3,040	4,200	3,700	5,600	3,030	2,800	1,310	1,260	1,070	1,620
CAL YR 1973	TOTAL 2,493,550		MEAN 6,832		MAX 78,300		MIN 1,160					
WTR YR 1974	TOTAL 2,122,300		MEAN 5,815		MAX 45,100		MIN 1,070					

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 1,488.77 ft (453.777 m) above mean sea level.

AVERAGE DISCHARGE.--23 years, 183 ft³/s (5.183 m³/s) (37.88 in/yr or 962.2 mm/yr).

EXTREMES.--Current year: Maximum discharge, 5,480 ft³/s (155 m³/s) Dec. 21 (gage height, 5.54 ft or 1.689 m); minimum, 33 ft³/s (0.93 m³/s) Aug. 17 (gage height, 0.10 ft or 0.030 m).

Period of record: Maximum discharge, 10,200 ft³/s (289 m³/s) July 10, 1952 (gage height, 7.83 ft or 2.387 m), 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; minimum gage height, 0.10 ft (0.030 m) Aug. 17, 1974.

Maximum discharge known, 23,400 ft³/s (663 m³/s) Nov. 25, 1950, by slope-area measurement (gage height, about 9.0 ft (2.74 m), from floodmarks).

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

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39	192	208	320	298	183	197	347	476	172	72	126
2	39	174	180	267	251	169	239	221	251	135	60	429
3	62	127	165	239	228	156	338	259	193	211	62	325
4	53	106	156	200	190	247	914	259	176	179	78	334
5	52	96	622	180	180	616	1,510	218	156	144	87	228
6	47	91	818	170	180	448	851	259	141	144	64	179
7	44	87	405	150	170	421	503	338	130	119	57	176
8	43	83	308	130	160	415	415	255	125	107	51	150
9	42	78	640	130	150	329	370	232	119	102	47	130
10	43	77	755	140	140	307	307	275	114	100	53	119
11	43	73	423	170	140	240	293	235	109	96	46	109
12	42	75	331	140	140	220	352	525	105	89	43	102
13	42	87	281	130	130	200	448	942	105	83	41	94
14	44	67	418	120	125	190	520	520	98	79	39	105
15	42	67	323	130	110	180	1,100	380	96	105	36	87
16	41	116	267	120	120	361	536	325	356	83	35	81
17	41	98	230	110	110	470	410	280	405	76	70	78
18	42	85	200	110	100	275	352	247	207	72	76	94
19	46	80	200	110	100	235	338	221	156	74	46	79
20	43	77	252	110	176	211	298	200	144	68	39	79
21	42	75	3,430	160	122	361	263	183	229	62	38	127
22	41	78	956	240	634	356	251	172	243	58	35	176
23	39	71	547	190	778	267	267	179	172	57	56	105
24	38	80	390	200	347	280	235	165	156	72	57	91
25	38	174	329	162	275	240	211	150	196	87	41	89
26	38	159	963	150	210	220	193	138	193	64	38	91
27	37	174	1,500	356	200	200	179	132	186	76	41	85
28	37	323	844	443	180	180	165	132	159	66	81	300
29	39	352	564	536	-----	170	159	135	153	107	74	763
30	292	249	443	370	-----	180	165	125	144	215	233	521
31	129	-----	361	329	-----	225	-----	114	-----	98	193	-----
TOTAL	1,660	3,671	17,509	6,312	5,944	8,552	12,379	8,163	5,493	3,200	1,989	5,452
MEAN	53.5	122	565	204	212	276	413	263	183	103	64.2	182
MAX	292	352	3,430	536	778	616	1,510	942	476	215	233	763
MIN	37	67	156	110	100	156	159	114	96	57	35	78
CFSM	.82	1.86	8.61	3.11	3.23	4.21	6.30	4.01	2.79	1.57	.98	2.77
IN.	.94	2.08	9.93	3.58	3.37	4.85	7.02	4.63	3.11	1.81	1.13	3.09

CAL YR 1973 TOTAL 90,013 MEAN 247 MAX 3,430 MIN 37 CFSM 3.77 IN 51.04
WTR YR 1974 TOTAL 80,324 MEAN 220 MAX 3,430 MIN 35 CFSM 3.35 IN 45.55

PEAK DISCHARGE (BASE, 3,000 CFS)

DATE	TIME	G. H.	DISCHARGE
12-21	0830	5.54	5,480

DELAWARE RIVER BASIN

129

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, 1,680 ft³/s (47.6 m³/s) Apr. 14 (gage height, 5.09 ft (1.551 m)); minimum, 2.7 ft³/s (0.08 m³/s) June 7 (gage height, 2.29 ft (0.698 m)).

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 good. 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 Part 2 of this report.

REVISIONS (WATER YEARS).--WRD N.Y. 1972: 1961(M), 1968(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	9.8	4.3	4.8	4.7	4.8	5.2	22	22	16	14	32
2	14	4.8	4.5	4.7	4.8	4.8	5.3	21	21	16	20	32
3	14	4.8	4.5	4.5	4.8	4.8	5.0	54	21	16	25	22
4	16	4.8	4.5	4.5	4.8	4.8	5.0	22	21	16	14	16
5	13	4.9	5.0	4.5	4.7	5.0	5.3	23	21	15	14	16
6	14	4.8	4.7	4.5	4.7	5.0	7.0	79	21	15	14	16
7	14	4.9	4.6	4.6	4.8	4.8	30	66	17	15	18	16
8	14	5.0	4.6	4.6	4.7	4.6	79	61	21	15	29	16
9	14	4.8	5.2	5.8	4.7	4.7	101	37	21	15	29	15
10	14	4.7	4.8	4.2	4.7	4.6	121	36	21	15	28	15
11	14	4.8	4.7	4.3	4.7	4.6	163	28	18	15	30	15
12	14	4.8	4.7	4.2	4.7	4.6	414	75	16	15	30	15
13	14	4.8	4.7	4.2	4.7	4.6	529	1,080	16	15	30	14
14	13	4.8	4.7	4.2	4.7	4.6	1,080	473	16	15	30	14
15	14	4.7	4.6	4.2	4.7	4.7	743	277	32	15	30	14
16	13	4.5	4.7	4.2	4.7	5.0	318	155	43	21	30	14
17	14	4.4	4.8	4.2	4.7	4.7	375	137	28	32	31	14
18	14	4.4	4.6	4.6	4.7	4.7	265	52	16	32	30	14
19	14	4.4	4.7	4.7	4.8	4.8	340	34	16	32	30	14
20	14	4.5	4.8	4.6	4.8	4.7	265	24	16	31	30	14
21	14	4.5	7.4	5.0	4.7	5.3	86	22	16	32	30	14
22	14	4.4	5.0	4.8	5.7	4.8	134	24	16	31	30	14
23	14	4.4	5.0	4.8	5.0	4.8	79	21	16	31	31	14
24	14	4.5	4.8	4.7	4.8	4.7	34	23	16	31	31	14
25	14	4.5	4.6	4.7	4.8	5.2	47	21	16	31	32	14
26	14	4.4	5.2	4.7	4.8	4.7	23	21	16	31	32	14
27	14	4.5	5.2	5.2	4.8	4.7	22	21	16	31	32	14
28	14	4.6	5.0	5.0	4.8	4.8	23	21	16	32	22	15
29	14	4.4	4.8	5.0	-----	5.0	22	21	16	31	16	15
30	14	4.4	4.8	4.8	-----	5.0	66	21	16	21	21	14
31	14	-----	4.8	4.8	-----	5.0	-----	21	-----	14	30	-----
TOTAL	433	144.0	150.3	143.6	134.0	148.9	5,391.8	2,993	584	693	813	480
MEAN	14.0	4.80	4.85	4.63	4.79	4.80	180	96.5	19.5	22.4	26.2	16.0
MAX	16	9.8	7.4	5.8	5.7	5.3	1,080	1,080	43	32	32	32
MIN	13	4.4	4.3	4.2	4.7	4.6	5.0	21	16	14	14	14
CAL YR 1973	TOTAL	24,216.5	MEAN	66.3	MAX	3,570	MIN	4.1				
WTR YR 1974	TOTAL	12,108.6	MEAN	33.2	MAX	1,080	MIN	4.2				

DELAWARE RIVER BASIN

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, 7,170 ft³/s (203 m³/s) Dec. 21 (gage height, 8.36 ft or 2.548 m); minimum, 66 ft³/s (1.87 m³/s) Oct. 29 (gage height, 2.87 ft or 0.875 m).

Period of record: Maximum discharge, 33,000 ft³/s (935 m³/s) Aug. 19, 1955 (gage height, 12.49 ft or 3.807 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 Reservoirs in Delaware River basin). Part of flow diverted for New York City municipal supply. Remainder of flow (except for conservation releases and spill), impounded for release during periods of low flow in the lower Delaware River basin, as directed by the Delaware River Master.

REVISIONS (WATER YEARS).--WSP 821: Drainage area. WSP 1502: 1951(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	102	340	418	1,020	975	564	845	420	599	345	308	442
2	102	320	355	888	800	557	984	460	578	312	233	913
3	121	265	330	769	720	514	1,160	375	420	245	216	753
4	124	226	315	660	620	526	1,240	425	400	245	212	930
5	121	200	436	540	540	641	1,230	405	321	212	205	620
6	145	184	921	480	500	634	1,340	345	281	202	174	448
7	121	169	640	420	500	564	993	410	254	177	146	502
8	111	159	544	360	450	550	854	436	237	153	128	400
9	103	149	868	320	410	550	1,010	395	226	135	135	395
10	106	145	1,630	320	380	544	1,010	390	216	125	133	350
11	100	136	1,060	320	350	532	993	460	198	115	133	321
12	93	130	876	320	330	478	1,040	410	188	108	118	290
13	90	124	755	300	310	400	1,220	1,750	177	100	110	263
14	90	118	1,070	300	300	360	1,240	1,760	167	93	108	267
15	95	113	965	290	280	390	1,990	1,090	153	93	105	254
16	103	121	793	300	270	466	1,720	845	290	95	95	226
17	173	173	710	300	260	1,220	1,150	683	655	85	130	212
18	145	152	650	280	250	803	984	613	390	90	514	198
19	133	133	600	280	250	725	879	484	317	118	263	188
20	118	124	570	280	350	711	862	410	281	105	188	181
21	113	116	4,680	300	440	1,000	777	360	281	98	153	191
22	106	118	3,390	500	640	1,200	662	340	330	95	128	308
23	111	118	2,190	580	1,910	905	550	326	285	90	125	245
24	98	121	1,600	580	1,040	871	544	330	258	95	170	202
25	90	275	1,240	560	888	777	460	321	254	115	153	191
26	86	330	1,220	560	720	676	405	299	272	113	128	181
27	76	305	2,270	739	620	620	390	285	263	160	120	177
28	69	496	2,450	1,260	585	564	350	267	237	160	133	219
29	86	613	1,880	1,560	-----	526	330	285	230	578	153	599
30	619	478	1,460	1,260	-----	502	312	330	216	984	557	641
31	429	-----	1,160	1,090	-----	711	-----	281	-----	496	811	-----
TOTAL	4,179	6,451	38,046	17,736	15,688	20,081	27,524	15,990	8,974	6,137	6,285	11,107
MEAN	135	215	1,227	572	560	648	917	516	299	198	203	370
MAX	619	613	4,680	1,560	1,910	1,220	1,990	1,760	655	984	811	930
MIN	69	113	315	280	250	360	312	267	153	85	95	177

CAL YR 1973 TOTAL 219,015 MEAN 600 MAX 7,360 MIN 69
WTR YR 1974 TOTAL 178,198 MEAN 488 MAX 4,680 MIN 69

DELAWARE RIVER BASIN

131

01438500 Delaware River at Montague, N. J.

LOCATION.--Lat 41°18'30", long 74°47'50", 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 Saw Kill, 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.--35 years, 5,846 ft³/s (165.6 m³/s), unadjusted.

EXTREMES.--Current year: Maximum discharge, 77,000 ft³/s (2,180 m³/s) Dec. 21, gage height, 19.33 ft (5.892 m); minimum, 1,110 ft³/s (31.4 m³/s) Aug. 9; minimum daily, 1,280 ft³/s (36.2 m³/s) Aug. 9.
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 1903-74, 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 p. 132) and smaller reservoirs. Diversion from Pepacton, Cannonsville, and Neversink Reservoirs (see p. 134). Records of water quality for the current year are published in Part 2 of New Jersey report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,550	2,830	5,120	13,600	15,200	7,690	10,000	4,840	4,680	2,860	4,380	3,720
2	1,840	2,350	4,380	12,500	13,100	7,550	11,900	5,940	7,960	3,780	3,250	7,650
3	2,100	2,140	3,890	11,000	11,200	7,180	14,100	5,350	5,970	2,960	2,950	8,800
4	1,950	2,070	3,530	10,000	10,400	6,850	17,500	5,660	4,830	3,310	2,360	11,600
5	3,260	1,890	3,760	8,480	9,000	8,600	20,500	5,570	4,850	3,120	2,300	10,000
6	3,500	1,650	8,150	7,470	7,800	12,900	24,400	5,070	4,240	2,760	2,230	6,800
7	2,080	1,710	10,900	7,130	7,200	13,100	20,900	5,630	4,000	2,080	1,860	6,800
8	1,680	2,140	8,050	6,810	6,800	12,600	16,700	6,050	3,630	2,040	1,730	6,450
9	2,720	2,110	7,420	6,040	6,600	12,600	16,900	5,250	2,680	3,120	1,280	5,690
10	2,710	2,280	21,200	6,020	6,000	11,800	17,500	5,270	2,640	2,850	1,420	4,510
11	2,030	2,300	17,100	6,880	5,600	10,800	14,900	5,940	3,490	2,080	1,600	3,860
12	1,580	2,220	12,000	6,820	5,600	9,540	14,500	5,410	3,000	1,370	1,760	3,560
13	2,240	2,470	9,400	5,830	5,000	8,590	14,500	20,900	2,310	1,940	1,930	3,290
14	2,700	2,530	9,310	4,920	5,200	7,200	15,000	20,200	1,680	1,930	2,070	3,100
15	2,100	2,410	9,460	4,800	5,200	6,820	20,300	15,100	1,940	1,910	2,140	2,300
16	2,020	2,470	7,960	5,200	4,900	6,470	22,500	12,200	2,940	3,100	2,000	2,410
17	2,070	2,600	6,930	5,770	4,200	11,100	18,400	10,600	5,440	1,660	2,300	2,700
18	2,050	2,650	5,600	5,280	4,300	11,200	15,400	9,420	5,750	1,290	3,680	2,650
19	2,030	2,500	5,000	4,970	4,600	9,940	13,500	7,440	3,800	2,130	3,060	2,450
20	2,110	2,400	4,880	4,940	5,200	9,160	11,900	6,450	2,970	2,430	3,080	2,470
21	2,080	2,340	31,800	4,930	5,000	9,090	9,820	5,740	2,770	1,960	2,490	2,360
22	2,130	1,680	55,300	7,810	5,600	15,500	8,600	5,090	2,680	1,930	2,360	2,090
23	2,510	1,480	26,600	10,100	16,800	13,400	7,530	5,590	3,460	1,810	2,120	3,000
24	2,560	1,950	18,500	10,500	16,200	11,600	6,870	4,990	2,950	2,000	2,100	3,310
25	2,260	2,380	12,900	10,200	13,600	11,400	6,400	4,740	2,440	2,410	2,030	2,850
26	2,110	3,580	11,400	9,410	11,200	10,800	5,770	3,930	2,550	2,390	2,050	2,710
27	2,110	4,050	21,800	9,640	9,420	9,600	5,300	3,690	2,730	2,360	2,300	2,060
28	2,030	4,600	32,400	19,500	8,290	8,580	4,830	3,410	3,660	2,390	2,100	2,190
29	2,320	6,890	26,000	22,600	-----	8,070	4,470	3,320	3,350	3,010	2,470	5,640
30	3,700	6,260	19,400	20,600	-----	7,600	3,690	3,680	2,160	6,450	2,650	11,600
31	3,330	-----	15,600	17,100	-----	8,170	-----	3,850	-----	6,080	4,050	-----
TOTAL	71,460	80,930	435,660	286,850	229,210	305,500	394,580	216,320	107,550	81,510	74,100	138,620
MEAN	2,305	2,698	14,050	9,253	8,186	9,855	13,150	6,978	3,585	2,629	2,390	4,621
MAX	3,700	6,890	55,300	22,600	16,800	15,500	24,400	20,900	7,960	6,450	4,380	11,600
MIN	1,550	1,480	3,530	4,800	4,200	6,470	3,690	3,320	1,680	1,290	1,280	2,060
CAL YR 1973	TOTAL 2,880,680		MEAN 7,892		MAX 96,300		MIN 1,480					
WTR YR 1974	TOTAL 2,422,290		MEAN 6,636		MAX 55,300		MIN 1,280					

Reservoirs in Delaware River basin

01416900 PEPACTION RESERVOIR.--Lat 42°04'38", long 74°58'04", Delaware County, near release chamber at Downsview Dam on East Branch Delaware River, 1.6 mi (2.6 km) east of Downsview, N. Y. Drainage area, 371 mi² (961 km²). Period of record, September 1954 to current year. Gage, water-state 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, 152,025 mil gal (575.4 hm³) Apr. 15 (elevation 1,281.20 ft or 390.510 m); minimum observed 98,185 mil gal (371.6 hm³) Dec. 5 (elevation 1248.65 ft or 380.589 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, 102,513 mil gal (388.0 hm³) Apr. 16 (elevation, 1,152.42 ft or 351.258 m); minimum observed, 53,933 mil gal (204.1 hm³) Dec. 5 (elevation, 1,116.70 ft or 340.370 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 by an earth-fill, rock-faced dam; storage began Sept. 30, 1963. Usable capacity 95,706 mil gal (362.2 hm³) 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, 1424.2 mil ft³ (40.3 hm³) Sept. 2 (elevation, 1,070.9 ft or 326.41 m); minimum, 847.5 mil ft³ (24.0 hm³) Feb. 21 elevation, 1,055.1 ft or 321.59 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, 1,123.4 mil ft³ (31.81 hm³) May 15 (elevation 1220.7 ft or 372.07 m); minimum observed 182.3 mil ft³ (5.16 hm³) Nov. 26 (elevation, 1183.2 ft or 360.64 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 136.9 mil ft³ (3.877 hm³) Dec. 28 (elevation, 1072.1 ft or 326.78 m); minimum observed 3.77 mil ft³ (1.068 hm³) Feb. 22 (elevation, 1056.5 ft or 322.02 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.

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, 37,579 mil gal (142.2 hm³) Apr. 15 (elevation, 1,440.87 ft or 439.177 m); minimum observed, 15,864 mil gal (60.05 hm³) Nov. 28 (elevation, 1,386.29 ft or 422.541 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 1973 TO SEPTEMBER 1974

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)
	<u>01416900 Pepacton Reservoir #</u>			<u>01424997 Cannonsville Reservoir #</u>			<u>01433000 Swinging Bridge Reservoir #</u>		
Sept. 30	1263.11	120,468	-	1138.07	81,120	-	1064.3	1165	-
Oct. 31	1255.17	107,900	- 627	1127.50	67,072	- 701	1064.3	1165	0
Nov. 30	1249.06	98,779	- 470	1116.87	54,131	- 667	1068.3	1319	+ 59.4
Dec. 31	1273.84	138,686	+1992	1151.40	100,871	+2,330	1068.5	1327	+ 3.0
CAL YR 1973	-	-	- 54.2	-	-	- 5.12	-	-	+ 1.2
Jan. 31	1277.82	145,808	+ 355	1151.93	101,724	+ 42.6	1066.5	1249	- 29.1
Feb. 28	1280.15	150,076	+ 236	1151.31	100,726	- 55.1	1059.4	990	-107
Mar. 31	1280.24	150,243	+ 8.34	1151.19	100,533	- 9.63	1067.9	1303	+117
Apr. 30	1279.95	149,707	- 27.6	1150.76	99,841	- 35.7	1065.4	1206	- 37.4
May 31	1279.27	148,457	- 62.4	1150.50	99,422	- 20.9	1063.0	1117	- 33.2
June 30	1276.36	143,172	- 273	1148.24	95,941	- 180	1065.9	1226	+ 42.0
July 31	1272.81	136,877	- 314	1144.49	90,275	- 283	1070.7	1416	+ 70.9
Aug. 31	1268.52	129,477	- 369	1143.44	88,758	- 75.7	1068.4	1323	- 34.7
Sept. 30	1269.49	131,132	+ 85.4	1151.50	101,032	+ 633	1066.3	1241	- 31.6
WTR YR 1974	-	-	+ 45.2	-	-	+ 84.4	-	-	+ 2.4
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)
	<u>01433100 Toronto Reservoir #</u>			<u>01432000 Cliff Lake Reservoir #</u>			<u>01435900 Neversink Reservoir #</u>		
Sept. 30	1201.0	541	-	1069.1	113	-	1410.33	24,151	-
Oct. 31	1189.0	280	- 97.4	1067.3	99.3	- 5.1	1396.03	18,977	-258
Nov. 30	1183.9	194	- 33.2	1068.8	110	+ 4.1	1387.24	16,153	-146
Dec. 31	1198.7	485	+109	1071.9	135	+ 9.3	1419.86	27,984	+591
CAL YR 1973	-	-	- 6.3	-	-	+ 0.8	-	-	- 14.3
Jan. 31	1205.8	666	+ 67.6	1066.5	93.7	-15.4	1423.95	29,720	+ 86.6
Feb. 28	1209.2	758	+ 38.0	1059.6	51.9	-17.3	1426.56	30,859	+ 62.9
Mar. 31	1214.7	920	+ 60.5	1069.0	112	+22.4	1433.40	33,971	+155
Apr. 30	1220.3	1109	+ 72.9	1068.4	107	- 1.9	1439.57	36,934	+153
May 31	1220.2	1105	- 1.5	1065.2	85.0	- 8.2	1438.10	36,213	- 36.0
June 30	1216.0	961	- 55.6	1071.4	131	+17.7	1438.08	36,203	- 0.52
July 31	1210.3	789	- 64.2	1070.4	123	- 3.0	1426.87	30,996	-260
Aug. 31	1204.8	639	- 56.0	1070.0	120	- 1.1	1411.08	24,441	-327
Sept. 30	1205.5	658	+ 7.3	1069.7	117	- 1.2	1403.46	21,578	-148
WTR YR 1974	-	-	+ 3.7	-	-	+ 0.1	-	-	- 10.9

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.

01423900 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 1973 to September 1974

Month	01415200 Pepacton Reservoir	01423900 Cannonsville Reservoir	01435800 Neversink Reservoir
October	697	0.40	312
November	696	266	302
December	552	297	246
CAL YR 1973	625	86.4	286
January	650	0	203
February	697	22.3	218
March	697	294	236
April	478	43.3	234
May	629	130	302
June	587	281	232
July	696	0	386
August	695	0	398
September	697	0.05	390
WTR YR 1974	648	112	289

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LOCATION.--Lat 42°46'50", long 75°01'07", Otsego County, on right bank 10 ft (3 m) upstream from Panther Mountain Dam, 300 ft (91 m) downstream from bridge on County Road 22, and 0.6 mi (1.0 km) east of Schuyler Lake.

PERIOD OF RECORD.--October 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,276.84 ft (389.181 m) above mean sea level.

EXTREMES.--Current year: Maximum gage height, 5.04 ft (1.536 m) Dec. 28, 29; minimum, 1.58 ft (0.482 m) Nov. 8.
Period of record: Maximum gage height, 5.66 ft (1.725 m) Apr. 20, 21, 1972; minimum, 1.18 ft (0.360 m) Nov. 6, 1971.

REMARKS.--Area of water surface, 2.96 mi² (7.67 km²).

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.92	1.98	2.30	4.58	3.29	2.23	1.93	2.72	2.49	2.31	1.94	2.28
2	1.92	1.91	2.31	4.38	3.25	2.20	1.93	2.70	2.47	2.29	1.90	2.31
3	1.94	1.74	2.32	4.19	3.20	2.17	2.09	2.70	2.46	2.51	1.85	2.37
4	1.94	1.71	2.26	4.00	3.11	2.31	2.70	2.73	2.45	2.75	1.96	2.42
5	1.95	1.67	2.02	3.81	3.04	2.68	3.33	2.70	2.44	2.73	2.15	2.17
6	1.96	1.65	2.31	3.64	2.92	2.92	3.55	2.68	2.42	2.80	2.16	2.14
7	1.95	1.63	2.38	3.46	2.82	3.03	3.60	2.71	2.41	2.77	2.15	2.09
8	1.95	1.63	2.37	3.34	2.73	3.10	3.68	2.70	2.37	2.71	2.15	2.02
9	1.94	1.72	2.41	3.29	2.63	3.09	3.72	2.68	2.36	2.61	2.15	1.97
10	1.94	1.71	2.67	3.21	2.52	3.06	3.67	2.69	2.35	2.51	2.15	1.92
11	1.94	1.69	2.74	3.10	2.42	2.98	3.62	2.69	2.39	2.60	2.13	1.87
12	1.93	1.68	2.74	2.95	2.33	2.89	3.67	2.70	2.38	2.67	2.12	1.83
13	1.92	1.67	2.69	2.83	2.24	2.78	3.77	2.89	2.36	2.64	2.11	1.84
14	1.92	1.68	2.66	2.70	2.17	2.63	3.85	2.94	2.35	2.61	2.11	1.90
15	1.91	1.70	2.62	2.58	2.14	2.51	4.02	2.96	2.34	2.66	2.09	1.87
16	1.90	1.76	2.52	2.46	2.04	2.47	4.03	2.97	2.21	2.63	2.07	1.85
17	1.90	1.79	2.44	2.36	1.99	2.50	3.94	3.03	2.00	2.58	2.07	1.82
18	1.90	1.81	2.49	2.29	1.94	2.43	3.83	3.08	2.07	2.54	2.09	1.80
19	1.91	1.84	2.46	2.18	1.90	2.37	3.70	3.07	2.21	2.52	2.07	1.78
20	1.93	1.84	2.41	2.10	1.88	2.32	3.55	3.03	2.21	2.50	2.07	1.76
21	1.93	1.84	2.94	2.07	1.85	2.28	3.40	2.99	2.25	2.46	2.06	1.76
22	1.92	1.87	3.29	2.14	1.95	2.25	3.26	2.94	2.30	2.43	2.04	1.81
23	1.92	1.88	3.40	2.17	2.23	2.20	3.19	2.92	2.30	2.40	2.03	1.81
24	1.92	1.90	3.47	2.33	2.33	2.18	3.09	2.71	2.29	2.43	2.05	1.78
25	1.92	1.96	3.48	2.34	2.30	2.13	2.95	2.55	2.29	2.46	2.04	1.76
26	1.93	2.01	3.80	2.33	2.29	2.08	2.82	2.42	2.32	2.44	2.02	1.75
27	1.93	2.03	4.72	2.61	2.27	2.05	2.68	2.33	2.36	2.42	2.02	1.74
28	1.91	2.10	5.02	3.03	2.22	2.02	2.54	2.31	2.35	2.18	2.09	1.73
29	1.91	2.18	5.01	3.24	-----	1.97	2.50	2.50	2.33	2.00	2.14	2.05
30	1.96	2.23	4.92	3.29	-----	1.96	2.70	2.51	2.31	2.05	2.24	2.09
31	1.97	-----	4.75	3.30	-----	1.95	-----	2.48	-----	1.99	2.25	-----
MEAN	1.93	1.83	3.03	2.98	2.43	2.44	3.24	2.74	2.33	2.49	2.08	1.94
MAX	1.97	2.23	5.02	4.58	3.29	3.10	4.03	3.08	2.49	2.80	2.25	2.42
MIN	1.90	1.63	2.02	2.07	1.85	1.95	1					

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.--39 years (1930-32, 1937-74), 167 ft³/s (4.729 m³/s) (22.23 in/yr (564.6 mm/yr)).

EXTREMES.--Current year: Maximum discharge, 1,220 ft³/s (34.6 m³/s) Dec. 27 (gage height, 5.31 ft (1.618 m)); minimum, 4.1 ft³/s (0.12 m³/s) Oct. 12-14 (gage height, 2.09 ft (0.637 m)).

Period of record: Maximum discharge, 2,550 ft³/s (72.2 m³/s) Jan. 22, 1959 (gage height, 6.87 ft (2.094 m)); minimum, 1.3 ft³/s (0.037 m³/s) Aug. 4, 5, 1962 (gage height, 1.79 ft (0.546 m)).

REMARKS.--Records good except those for winter periods, which are fair. 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.4	10	45	633	396	210	164	150	83	45	133	48
2	4.6	13	41	569	357	216	169	127	78	40	120	60
3	4.9	58	40	536	300	209	244	127	74	212	113	105
4	4.9	70	43	481	270	297	432	142	73	190	102	198
5	5.2	65	130	432	250	426	566	123	68	162	52	168
6	4.9	63	270	427	260	413	532	118	64	280	36	160
7	4.9	60	228	393	240	391	494	140	58	253	32	152
8	4.6	57	212	313	220	384	493	125	54	236	29	141
9	4.6	32	242	250	210	370	502	118	50	220	64	132
10	4.6	21	338	250	190	365	487	123	45	205	121	122
11	4.4	20	286	260	200	340	479	121	65	183	47	113
12	4.4	20	270	240	190	324	504	138	54	108	35	106
13	4.2	20	253	230	190	279	580	276	48	90	29	111
14	4.2	23	260	220	180	273	575	210	52	84	28	151
15	4.4	21	244	200	110	251	646	192	63	156	24	120
16	4.4	26	227	210	120	247	587	184	51	106	21	109
17	4.6	27	149	180	140	314	540	331	123	85	20	102
18	5.2	23	134	140	120	260	504	279	119	76	25	98
19	5.8	23	157	150	110	240	470	239	49	71	20	94
20	6.8	21	197	160	120	200	434	218	34	71	18	90
21	7.2	20	455	177	110	210	401	202	59	63	16	111
22	5.8	19	411	263	222	220	375	191	83	56	15	146
23	5.2	18	399	262	368	200	377	186	54	52	15	112
24	4.9	18	355	330	220	230	348	205	46	75	19	102
25	4.9	28	387	270	210	190	321	263	45	92	18	96
26	4.6	32	514	230	190	190	296	236	47	69	16	100
27	4.6	27	1,030	439	180	180	272	217	63	61	15	94
28	4.4	34	924	505	190	160	250	197	52	71	26	88
29	4.4	43	815	485	-----	150	233	119	49	142	43	94
30	9.1	41	777	441	-----	160	153	98	48	229	64	100
31	11	-----	688	426	-----	162	-----	88	-----	158	48	-----
TOTAL	162.1	953	10,521	10,102	5,863	8,061	12,428	5,483	1,851	3,941	1,364	3,423
MEAN	5.23	31.8	339	326	209	260	414	177	61.7	127	44.0	114
MAX	11	70	1,030	633	396	426	646	331	123	280	133	198
MIN	4.2	10	40	140	110	150	153	88	34	40	15	48
CFSM	.05	.31	3.32	3.20	2.05	2.55	4.06	1.74	.60	1.25	.43	1.12
IN.	.06	.35	3.84	3.68	2.14	2.94	4.53	2.00	.68	1.44	.50	1.25

CAL YR 1973 TOTAL 70,001.9 MEAN 192 MAX 1,030 MIN 4.2 CFSM 1.88 IN 25.53
WTR YR 1974 TOTAL 64,152.1 MEAN 176 MAX 1,030 MIN 4.2 CFSM 1.73 IN 23.40

PEAK DISCHARGE (BASE, 900 CFS).-- Dec. 27 (1230) 1,220 cfs (5.31 ft).

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. 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.--36 years, 250 ft³/s (7.080 m³/s) (20.33 in/yr (516.4 mm/yr)).

EXTREMES.--Current year: Maximum discharge, 4,300 ft³/s (122 m³/s) Dec. 21 (gage height, 7.33 ft (2.234 m)); minimum, 15 ft³/s (0.42 m³/s) Oct. 5 (gage height, 0.91 ft (0.277 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	54	91	603	527	350	335	407	140	113	129	67
2	20	63	73	475	432	341	530	261	121	93	101	109
3	20	51	77	400	350	326	756	241	110	465	86	318
4	20	45	81	340	300	559	1,130	277	114	627	78	533
5	20	40	102	260	250	762	1,060	227	96	359	77	275
6	20	38	500	270	250	635	890	227	84	476	70	191
7	21	38	284	250	260	544	676	324	74	301	60	158
8	20	37	218	190	220	491	708	260	65	235	54	129
9	20	38	340	160	200	444	633	230	60	188	50	111
10	19	35	883	210	190	441	577	223	55	155	56	98
11	19	34	494	210	200	367	592	215	75	129	47	86
12	18	34	392	180	200	340	809	286	63	111	41	77
13	18	33	315	160	200	243	932	729	55	95	38	99
14	19	37	378	170	190	254	845	448	51	86	36	320
15	19	38	321	180	120	229	1,230	371	53	277	33	162
16	19	40	235	180	130	310	818	380	65	132	31	119
17	20	50	170	170	150	584	653	533	131	96	30	101
18	21	44	150	130	140	357	554	424	75	80	29	142
19	23	43	170	150	130	348	491	332	56	76	28	118
20	24	42	250	160	180	319	419	289	48	74	27	109
21	26	38	2,920	200	170	450	368	261	198	62	25	369
22	24	41	1,690	561	651	580	331	243	278	55	24	632
23	23	39	1,090	566	1,070	500	365	243	133	49	30	336
24	22	38	732	725	516	700	324	241	97	58	75	270
25	21	49	616	484	450	420	282	300	104	78	50	240
26	20	102	1,580	400	360	430	247	221	121	62	37	236
27	20	94	2,680	911	300	380	226	195	131	79	34	201
28	20	96	1,660	914	310	330	201	185	103	68	134	202
29	20	100	1,080	972	-----	270	184	195	92	60	85	461
30	79	94	945	712	-----	342	174	199	84	531	88	426
31	83	-----	683	612	-----	343	-----	154	-----	211	78	-----
TOTAL	758	1,525	21,200	11,905	8,446	12,989	17,340	9,121	2,932	5,481	1,761	6,695
MEAN	24.5	50.8	684	384	302	419	578	294	97.7	177	56.8	223
MAX	83	102	2,920	972	1,070	762	1,230	729	278	627	134	632
MIN	18	33	73	130	120	229	174	154	48	49	24	67
CFSM	.15	.30	4.10	2.30	1.81	2.51	3.46	1.76	.59	1.06	.34	1.34
IN.	.17	.34	4.72	2.65	1.88	2.89	3.86	2.03	.65	1.22	.39	1.49

CAL YR 1973 TOTAL 102,897 MEAN 282 MAX 2,920 MIN 18 CFSM 1.69 IN 22.92
WTR YR 1974 TOTAL 100,153 MEAN 274 MAX 2,920 MIN 18 CFSM 1.64 IN 22.31

PEAK DISCHARGE (BASE, 2,600 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-21	1900	7.33	4,300	12-27	1100	6.25	3,080

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 Ouleout 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, 1,168.94 ft (356.293 m) Dec. 29 (contents, 9,170 acre-ft (11.3 hm³)); minimum, 1,139.21 ft (347.231 m) Dec. 3 (contents, 1,532 acre-ft (1.89 hm³)).

Period of record: Maximum elevation, 1,194.4 ft (364.05 m) Apr. 6, 1960 (contents, 25,100 acre-ft (30.9 hm³)); minimum, 1,115.0 ft (339.85 m) Aug. 31, 1953, Sept. 7-26, Nov. 4, 1964 (contents, 56 acre-ft (69,000 m³)).

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 (69,000 m³). 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50.68	50.38	40.65	44.72	40.17	40.68	39.89	43.80	50.41	50.66	50.52	50.85
2	50.68	50.67	39.52	41.16	40.45	40.57	40.82	45.75	50.19	50.54	50.26	50.84
3	50.71	50.91	39.31	39.86	40.33	39.91	40.51	47.11	49.95	50.96	50.26	50.96
4	50.75	51.09	39.63	39.32	40.08	40.58	41.30	48.59	50.03	50.25	50.32	50.77
5	50.76	51.23	40.09	40.03	40.34	41.63	41.94	49.79	50.28	50.33	50.41	50.30
6	50.16	51.37	41.53	40.80	41.02	40.45	40.43	50.87	50.49	50.68	50.47	50.57
7	49.08	51.49	40.49	40.80	40.70	40.48	40.75	52.02	50.65	50.77	50.49	50.38
8	48.54	51.61	40.75	40.31	39.88	40.03	41.01	51.07	50.70	50.65	50.50	49.92
9	48.60	51.72	41.52	40.05	39.84	40.05	40.88	50.28	50.74	50.41	50.49	50.03
10	48.66	51.82	42.94	40.51	40.41	40.25	39.99	50.31	50.77	50.37	50.47	50.39
11	48.72	51.91	40.20	40.93	40.86	41.32	40.39	50.35	51.21	50.34	50.44	50.60
12	48.77	52.00	40.47	40.46	40.52	41.48	41.10	50.53	51.20	50.44	50.39	50.67
13	48.83	52.03	40.79	40.15	40.23	40.88	40.17	50.89	50.90	50.52	50.34	50.64
14	48.87	52.03	41.16	40.25	40.51	40.46	40.16	50.88	50.58	50.56	50.29	50.84
15	48.92	52.04	40.88	40.68	40.27	40.21	42.41	50.22	50.37	50.85	50.26	50.66
16	48.96	52.08	39.76	41.05	40.07	40.58	39.98	50.01	50.37	50.87	50.25	50.24
17	49.01	52.08	40.12	40.84	40.08	40.55	39.66	50.60	50.49	50.66	50.28	50.38
18	49.06	52.10	40.52	40.17	39.98	41.24	39.85	50.30	50.57	50.39	50.32	50.71
19	49.11	52.12	40.88	40.36	39.80	41.63	39.83	50.19	50.52	50.29	50.35	50.88
20	49.17	52.13	41.68	40.82	40.02	40.69	39.70	50.75	50.48	50.29	50.38	50.78
21	49.21	52.15	53.09	41.03	40.41	40.50	39.78	50.99	50.69	50.20	50.40	50.91
22	49.26	52.16	53.02	41.63	41.66	40.23	39.73	50.73	50.93	50.19	50.43	50.49
23	49.31	52.17	48.25	40.82	41.86	40.95	39.84	50.44	50.34	50.27	50.48	50.47
24	49.37	52.18	51.15	42.61	40.39	42.54	39.86	50.25	50.49	50.39	50.71	50.35
25	49.42	52.26	52.19	41.47	41.12	40.54	39.51	50.69	50.75	50.63	50.87	50.47
26	49.47	52.47	54.35	40.86	40.39	41.39	39.47	50.78	50.68	50.80	50.83	50.66
27	49.52	52.76	60.57	42.07	40.13	40.66	39.69	50.69	50.73	51.00	50.73	50.69
28	49.57	52.73	67.16	41.30	40.68	39.93	39.75	50.45	50.59	51.02	51.58	50.54
29	49.62	49.50	68.17	40.75	-----	40.07	40.39	50.31	50.42	50.71	50.59	50.96
30	49.85	45.01	63.60	40.22	-----	40.38	41.62	50.55	50.46	50.68	50.44	51.83
31	50.13	-----	55.78	40.44	-----	40.72	-----	50.54	-----	50.76	50.70	-----
MEAN	49.44	51.54	46.46	40.85	40.44	40.70	40.35	50.02	50.57	50.56	50.49	50.63
MAX	50.76	52.76	68.17	44.72	41.86	42.54	42.41	52.02	51.21	51.02	51.58	51.83
MIN	48.54	45.01	39.31	39.32	39.80	39.91	39.47	43.80	49.95	50.19	50.25	49.92
Δ	3,332	1,983	3,429	1,676	1,717	1,653	1,940	3,380	3,384	3,422	3,452	3,606
*	-1.6	-22.7	+23.5	-28.5	+0.7	-1.0	+4.8	+23.4	+0.1	+0.6	+0.5	+2.6

→ CAL YR 1973 MEAN 47.30 MAX 81.50 MIN 38.38 Δ +1.9
WTR YR 1974 MEAN 46.87 MAX 68.17 MIN 39.31 Δ +0.2

Δ Contents, in acre-feet, at end of month.

* Change in contents, equivalent in cubic feet per second.

* Add 1,100 ft to obtain elevations above mean sea level.

01500000 OULEOUT 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.--34 years, 168 ft³/s (4.758 m³/s).

EXTREMES.--Current year: Maximum discharge, 1,740 ft³/s (49.3 m³/s) Dec. 30 (gage height, 4.66 ft (1.420 m)); minimum, 1.3 ft³/s (0.037 m³/s) Nov. 28 (gage height, 0.66 ft (0.20 m) (result of regulation)).

Period of record: Maximum discharge, 7,250 ft³/s (205 m³/s) Dec. 30, 1942 (gage height, 7.62 ft (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 (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 fair. 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	2.5	240	1,190	346	263	284	14	99	72	61	112
2	7.6	2.8	63	341	263	262	512	15	99	71	35	165
3	5.4	2.5	24	325	263	259	633	14	82	205	17	480
4	4.0	2.8	11	181	219	340	752	14	60	257	17	764
5	26	2.2	24	106	128	586	749	14	31	93	17	332
6	109	1.9	209	137	133	496	597	14	31	93	17	245
7	106	1.9	197	161	211	420	462	151	32	95	17	245
8	2.8	1.9	83	124	169	345	495	296	32	93	17	165
9	3.5	1.5	290	82	100	309	492	179	30	78	17	85
10	3.7	1.5	779	72	83	220	408	129	31	55	17	65
11	3.5	1.6	451	130	110	197	399	129	53	43	17	67
12	3.0	4.2	255	126	133	215	687	136	68	30	17	67
13	3.0	9.7	215	77	116	198	579	710	68	30	17	67
14	4.0	10	237	59	108	158	515	361	67	31	14	101
15	4.2	10	267	60	99	145	970	382	46	50	12	127
16	4.5	10	191	93	86	176	607	263	33	59	7.6	73
17	4.2	9.7	82	107	85	325	428	283	32	59	4.5	30
18	4.5	9.7	83	73	85	137	360	403	32	50	4.5	41
19	4.0	9.7	84	57	85	236	319	196	32	34	4.5	67
20	4.2	9.7	130	59	85	267	256	131	32	34	4.5	65
21	4.0	9.1	1,250	131	87	359	222	161	47	27	4.5	180
22	3.7	9.1	1,580	452	579	482	212	191	225	19	4.5	485
23	3.0	9.1	741	383	1,100	318	212	191	60	12	12	236
24	3.0	9.1	182	593	361	647	212	167	30	12	21	169
25	3.0	9.1	380	366	428	370	176	132	61	12	21	127
26	3.2	9.1	745	363	342	339	126	132	95	12	30	127
27	3.5	8.6	379	641	238	371	112	131	95	25	20	127
28	3.0	202	137	850	233	250	101	131	95	51	460	127
29	3.5	506	993	764	-----	216	33	114	69	61	150	127
30	3.2	469	1,600	518	-----	254	14	99	55	61	100	249
31	2.5	-----	1,590	417	-----	366	-----	100	-----	61	75	-----
TOTAL	354.7	1,346.0	13,492	9,038	6,275	9,526	11,924	5,383	1,822	1,885	1,232.6	5,317
MEAN	11.4	44.9	435	292	224	307	397	174	60.7	60.8	39.8	177
MAX	109	506	1,600	1,190	1,100	647	970	710	225	257	460	764
MIN	2.5	1.5	11	57	83	137	14	14	30	12	4.5	30

CAL YR 1973 TOTAL 75,734.6 MEAN 207 MAX 1,800 MIN 1.5
WTR YR 1974 TOTAL 67,595.3 MEAN 185 MAX 1,600 MIN 1.5

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.--36 years, 1,543 ft³/s (43.70 m³/s) (21.34 in/yr (542.0 mm/yr)).

EXTREMES.--Current year: Maximum discharge, 10,500 ft³/s (297 m³/s) Dec. 22 (gage height, 10.14 ft (3.091 m)); minimum, 96 ft³/s (2.72 m³/s) Oct. 27 (gage height, 1.63 ft (0.497 m)).

Period of record: Maximum discharge, 21,500 ft³/s (609 m³/s) Dec. 30, 1942 (gage height, 13.94 ft (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 (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 Part 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	144	284	631	5,000	3,200	2,000	2,140	1,490	943	591	975	507
2	135	276	400	3,530	2,700	2,080	2,500	1,570	862	579	738	637
3	135	261	350	3,130	2,400	1,890	3,740	1,190	778	1,120	632	1,230
4	135	241	320	2,810	2,100	2,350	5,510	1,300	737	3,710	580	3,180
5	139	243	436	2,100	1,900	3,710	6,280	1,210	662	2,980	548	1,970
6	156	234	1,490	2,100	1,800	3,910	5,800	1,090	596	2,550	495	1,340
7	159	233	1,570	2,000	1,800	3,300	4,410	1,440	541	2,370	432	1,130
8	142	230	1,140	1,700	1,600	3,020	4,260	1,570	515	1,920	393	948
9	134	224	1,540	1,400	1,500	2,800	4,170	1,330	494	1,600	373	769
10	130	215	3,390	1,500	1,400	2,650	3,800	1,210	469	1,380	397	674
11	127	191	2,560	1,500	1,300	2,420	3,550	1,180	596	1,250	475	616
12	125	179	1,990	1,400	1,400	2,280	4,510	1,310	632	1,120	371	575
13	117	175	1,680	1,300	1,300	1,940	5,110	3,470	530	921	318	589
14	112	177	1,700	1,200	1,300	1,690	5,020	2,850	494	783	290	1,210
15	112	189	1,780	1,200	840	1,650	6,290	2,340	489	945	273	1,170
16	110	206	1,450	1,300	900	1,750	5,560	2,040	494	1,070	251	825
17	112	218	1,090	1,300	1,100	2,870	4,410	2,590	579	809	235	641
18	118	232	800	1,000	960	2,100	3,720	3,200	644	630	225	684
19	123	225	900	800	900	2,100	3,320	2,410	541	547	229	714
20	125	217	1,200	1,000	980	1,900	2,940	2,060	440	524	216	642
21	130	208	7,070	1,180	1,080	2,200	2,630	1,900	551	505	200	1,270
22	132	201	8,680	2,370	1,770	3,200	2,410	1,810	1,480	456	189	3,460
23	127	200	5,490	2,610	5,360	2,500	2,420	1,750	928	407	191	2,210
24	123	198	3,500	3,760	3,360	3,400	2,350	1,710	620	408	326	1,620
25	119	218	3,000	2,980	2,300	2,400	2,120	2,090	579	564	346	1,350
26	116	291	5,120	2,400	2,100	2,400	1,880	1,820	662	568	258	1,300
27	105	354	9,270	3,730	1,800	2,300	1,680	1,600	764	518	252	1,200
28	105	450	9,830	5,520	1,800	2,100	1,520	1,470	757	508	947	1,080
29	107	821	8,270	5,450	-----	1,800	1,350	1,360	626	480	571	1,420
30	148	808	7,240	4,390	-----	1,900	1,260	1,260	557	1,560	536	1,950
31	251	-----	6,050	3,690	-----	2,260	-----	1,060	-----	1,620	515	-----
TOTAL	4,053	8,199	99,937	75,350	50,950	74,870	106,660	54,680	19,560	34,993	12,777	36,911
MEAN	131	273	3,224	2,431	1,820	2,415	3,555	1,764	652	1,129	412	1,230
MAX	251	821	9,830	5,520	5,360	3,910	6,290	3,470	1,480	3,710	975	3,460
MIN	105	175	320	800	840	1,650	1,260	1,060	440	407	189	507
CFSM	.13	.28	3.28	2.48	1.85	2.46	3.62	1.80	.66	1.15	.42	1.25
IN.	.15	.31	3.79	2.85	1.93	2.84	4.04	2.07	.74	1.33	.48	1.40

CAL YR 1973 TOTAL 627,103 MEAN 1,718 MAX 10,000 MIN 105 CFSM 1.75 IN 23.76
WTR YR 1974 TOTAL 578,940 MEAN 1,586 MAX 9,830 MIN 105 CFSM 1.62 IN 21.93

PEAK DISCHARGE (BASE, 11,000 CFS).-- No peak above base.

SUSQUEHANNA RIVER BASIN

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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 to September 1974.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 1,088.89 ft (331.894 m) above mean sea level.

EXTREMES.--Maximum discharge during period, 46 ft³/s (1.30 m³/s) May 12 (gage height, 1.29 ft or 0.393 m); minimum, 0.38 ft³/s (0.011 m³/s) Aug. 20-23 (gage height, 0.50 ft or 0.152 m).

REMARKS.--Records poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								7.8	4.4	.78	.92	.71
2								5.3	3.8	.64	.64	.89
3								6.3	4.4	6.7	.50	6.6
4								5.9	3.0	5.9	.50	4.4
5								5.0	2.3	3.5	.50	1.8
6								6.3	2.0	3.3	.47	1.3
7								6.6	1.8	1.9	.47	.99
8								5.3	1.7	1.6	.47	.89
9								6.3	1.7	1.2	.44	.79
10								8.7	3.2	1.1	.76	.71
11								6.6	3.2	.78	.47	.71
12								16	2.3	.64	.46	.71
13								23	2.2	.50	.43	3.3
14								13	2.3	.50	.43	4.1
15								10	2.3	1.5	.43	1.6
16								8.7	2.5	.78	.43	1.1
17								13	2.0	.50	.55	1.1
18								9.7	1.7	.47	.55	1.4
19								8.2	1.5	.47	.43	1.1
20								7.3	1.4	.47	.43	1.1
21								7.0	2.3	.44	.38	4.7
22								6.6	1.8	.44	.38	5.3
23								7.0	1.3	.44	.38	3.0
24								8.2	1.1	4.0	.55	2.3
25								7.8	1.1	3.0	.55	2.1
26								6.6	1.6	1.2	.49	2.5
27								5.9	4.8	.50	.55	2.1
28								6.6	1.2	.47	.55	1.6
29								5.3	.92	3.6	1.8	2.1
30								5.3	.78	1.9	1.4	1.8
31		-----			-----		-----	4.7	-----	1.5	.79	-----
TOTAL								250.0	66.60	50.72	18.12	62.80
MEAN								8.06	2.22	1.64	.58	2.09
MAX								23	4.8	6.7	1.8	6.6
MIN								4.7	.78	.44	.38	.71
CF SM								1.74	.48	.35	.13	.45
IN.								2.00	.53	.41	.15	.50

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.--36 years, 95.6 ft³/s (2.707 m³/s) (21.75 in/yr or 552.4 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,160 ft³/s (61.2 m³/s) Dec. 27 (gage height, 6.78 ft or 2.067 m); minimum, 9.0 ft³/s (0.25 m³/s) Oct. 1 (gage height, 1.58 ft or 0.482 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. The figures of peak discharge for water year 1973 have been revised as shown in the following table. They supersede figures published in WRD N.Y. 1973.

REVISED PEAK DISCHARGE.--1973: Nov. 9 (1230) 2,540 cfs (7.14 ft); Dec. 6 (2130) 2,580 cfs (7.17 ft); Jan. 1 (0830) 2,060 cfs (6.68 ft); Feb. 3 (0130) 1,920 cfs (6.54 ft); Apr. 5 (2400) 1,980 cfs (6.60 ft).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.1	15	31	200	190	131	124	103	57	29	36	19
2	9.3	17	25	160	160	117	210	86	51	26	30	22
3	10	16	24	140	140	111	464	77	49	139	29	48
4	10	14	25	130	120	230	770	94	44	129	29	92
5	11	14	37	94	100	347	497	77	41	76	28	43
6	11	14	227	96	98	247	315	73	37	72	25	34
7	11	14	118	96	100	206	240	102	34	55	23	31
8	11	14	86	72	86	182	267	87	31	46	22	27
9	11	14	163	64	74	166	231	81	29	41	21	25
10	11	14	327	72	72	162	218	84	27	36	32	24
11	11	14	164	72	68	140	224	87	45	33	23	23
12	11	13	134	64	72	120	325	79	39	30	21	22
13	11	13	109	52	75	90	377	349	31	28	19	26
14	11	15	120	56	70	86	306	201	30	26	19	81
15	12	15	96	62	41	82	470	159	32	48	18	36
16	12	16	70	62	45	120	277	137	30	34	17	30
17	12	18	58	54	55	185	223	202	33	27	16	26
18	12	16	47	32	50	120	193	215	28	25	19	26
19	13	16	50	39	45	120	170	150	25	23	16	25
20	14	15	60	43	58	110	148	128	24	24	15	24
21	14	15	1,140	60	50	130	135	114	40	22	14	43
22	12	15	400	174	280	150	125	105	55	20	13	100
23	12	14	290	152	333	130	151	102	30	19	14	52
24	11	14	190	263	140	166	130	98	25	49	15	41
25	11	18	160	160	130	120	113	118	24	50	13	38
26	11	23	310	130	110	120	100	93	29	31	12	41
27	10	21	1,560	395	92	110	90	83	64	26	12	37
28	10	27	765	474	94	100	83	74	37	24	14	34
29	10	35	393	367	-----	90	78	69	31	27	20	37
30	17	31	332	260	-----	116	75	79	30	114	27	41
31	17	-----	220	224	-----	126	-----	64	-----	47	21	-----
TOTAL	358.4	510	7,731	4,319	2,948	4,430	7,129	3,570	1,082	1,376	633	1,148
MEAN	11.6	17.0	249	139	105	143	238	115	36.1	44.4	20.4	38.3
MAX	17	35	1,560	474	333	347	770	349	64	139	36	100
MIN	9.1	13	24	32	41	82	75	64	24	19	12	19
CFSM	.19	.28	4.17	2.33	1.76	2.40	3.99	1.93	.60	.74	.34	.64
IN.	.22	.32	4.82	2.69	1.84	2.76	4.44	2.22	.67	.86	.39	.72
CAL YR 1973	TOTAL 41,874.9	MEAN 115	MAX 1,560	MIN 8.8	CFSM 1.93	IN 26.09						
WTR YR 1974	TOTAL 35,234.4	MEAN 96.5	MAX 1,560	MIN 9.1	CFSM 1.62	IN 21.96						

PEAK DISCHARGE (BASE, 1,400 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-21	1430	6.65	2,030	12-27	1500	6.78	2,160

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.--40 years (1930-33, 1937-74), 818 ft³/s (23.17 m³/s) (21.36 in/yr (542.5 mm/yr)).

EXTREMES.--Current year: Maximum discharge, 8,640 ft³/s (245 m³/s) Dec. 28 (gage height, 9.69 ft (2.954 m)); minimum, 80 ft³/s (2.27 m³/s) Oct. 13 (gage height, 3.64 ft (1.109 m)).

Period of record: Maximum discharge, 17,400 ft³/s (493 m³/s) Dec. 31, 1942 (gage height, 12.98 ft (3.956 m)); minimum daily, 27 ft³/s (0.76 m³/s) Sept. 20-27, 1964.

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

REVISIONS.--The figures of peak discharge for water year 1973 have been revised as shown in the following table. They supersede figures published in WRD N.Y. 1973.

REVISED PEAK DISCHARGE.--1973: Nov. 10 (0500) 7,210 cfs (9.01 ft); Dec. 7 (1500) 7,530 cfs (9.16 ft); Jan. 2 (0500) 7,840 cfs (9.31 ft); Feb. 3 (2000) 6,260 cfs (8.54 ft); Apr. 5 (1700) 6,360 cfs (8.59 ft).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	87	166	376	1,890	1,740	1,000	1,100	742	444	236	370	340
2	85	170	370	1,550	1,430	1,160	1,450	697	400	212	275	316
3	87	170	310	1,360	1,190	937	2,500	589	370	840	236	437
4	87	152	295	1,230	1,000	1,470	4,260	679	358	1,230	224	1,310
5	98	139	358	860	800	2,670	4,810	607	328	800	252	1,030
6	100	133	1,770	900	760	2,780	3,840	540	295	616	252	598
7	93	136	1,620	880	820	2,140	2,530	724	265	479	212	444
8	93	136	959	700	780	1,850	2,400	679	248	382	188	376
9	90	136	1,120	540	680	1,500	2,270	580	236	322	177	328
10	88	136	2,750	560	640	1,490	2,000	706	224	290	188	295
11	85	133	1,980	640	600	1,310	1,940	760	285	260	248	270
12	84	127	1,430	640	580	1,150	2,610	830	316	240	180	252
13	82	124	1,110	560	560	760	3,100	2,710	260	220	159	248
14	84	127	1,060	470	600	640	2,850	2,110	240	208	149	508
15	84	159	1,000	500	540	680	3,400	1,480	244	204	139	508
16	82	180	679	540	380	780	3,080	1,180	252	310	130	346
17	87	265	451	540	400	1,450	2,270	1,750	260	236	127	290
18	90	265	418	450	400	1,120	1,870	2,090	252	196	127	270
19	93	216	500	380	380	1,000	1,590	1,410	220	180	136	260
20	103	200	700	450	400	920	1,360	1,110	204	177	126	256
21	110	184	3,280	458	430	980	1,180	948	252	173	115	382
22	113	170	3,790	1,180	1,080	1,300	1,070	840	406	166	108	810
23	105	166	2,810	1,500	3,040	1,100	1,190	830	358	154	112	625
24	98	166	2,100	2,180	2,100	1,400	1,140	830	248	212	166	424
25	93	184	1,900	1,710	1,300	940	959	893	228	340	124	364
26	88	275	2,570	1,360	1,000	920	820	715	248	305	110	352
27	88	295	6,280	2,260	940	860	724	643	328	236	118	352
28	87	285	7,970	3,400	860	800	643	580	285	200	177	310
29	88	406	4,980	2,980	-----	720	589	564	252	232	184	310
30	124	418	3,250	2,350	-----	904	564	607	232	634	300	328
31	152	-----	2,280	1,960	-----	1,140	-----	500	-----	616	486	-----
TOTAL	2,928	5,819	60,466	36,978	25,430	37,871	60,109	29,923	8,538	10,906	5,895	12,939
MEAN	94.5	194	1,951	1,193	908	1,222	2,004	965	285	352	190	431
MAX	152	418	7,970	3,400	3,040	2,780	4,810	2,710	444	1,230	486	1,310
MIN	82	124	295	380	380	640	564	500	204	154	108	248
CFSM	.18	.37	3.75	2.29	1.75	2.35	3.85	1.86	.55	.68	.37	.83
IN.	.21	.42	4.33	2.65	1.82	2.71	4.30	2.14	.61	.78	.42	.93

CAL YR 1973 TOTAL 344,920 MEAN 945 MAX 7,970 MIN 82 CFSM 1.82 IN 24.68
WTR YR 1974 TOTAL 297,802 MEAN 816 MAX 7,970 MIN 82 CFSM 1.57 IN 21.30

SUSQUEHANNA RIVER BASIN

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.--61 years (1913-74), 3,558 ft³/s (100.8 m³/s) (21.65 in/yr (549.9 mm/yr)).

EXTREMES.--Current year: Maximum discharge, 24,900 ft³/s (705 m³/s) Dec. 28 (gage height, 12.43 ft (3.789 m)); minimum, 238 ft³/s (6.74 m³/s) Oct. 29 (gage height, 1.87 ft (0.570 m)).

Period of record: Maximum discharge, 61,600 ft³/s (1,740 m³/s) Mar. 18, 1936 (gage height, 20.14 ft (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 (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 Part 2 of this report.

REVISIONS.--WRD N.Y. 1969: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	340	561	2,120	10,500	8,170	4,350	5,500	3,090	2,560	1,440	2,850	1,470
2	325	752	1,810	8,380	6,810	4,600	6,960	3,440	2,230	1,300	1,840	1,750
3	340	801	1,430	6,470	5,790	4,530	10,400	3,230	1,900	1,210	1,380	2,660
4	325	719	1,250	5,820	4,900	4,700	14,500	2,980	1,780	2,900	1,190	4,610
5	320	630	1,610	4,900	4,000	7,730	16,500	2,950	1,610	5,690	1,110	5,010
6	320	568	4,340	4,200	3,200	10,900	15,000	2,740	1,430	5,620	1,010	3,360
7	310	545	5,430	4,200	3,200	9,300	11,700	2,680	1,260	4,190	986	2,420
8	365	515	4,770	4,000	3,000	7,720	9,350	3,050	1,140	3,630	875	1,990
9	434	507	6,470	3,400	2,900	7,150	9,340	3,150	1,060	2,950	814	1,670
10	398	493	10,600	2,600	2,800	6,760	8,490	3,080	973	2,420	719	1,400
11	330	485	9,670	2,800	2,600	6,060	8,070	3,010	1,040	2,050	657	1,220
12	320	465	6,760	2,800	2,700	5,400	9,960	3,410	1,130	1,800	734	1,110
13	297	440	5,280	2,500	2,600	4,800	12,400	7,560	1,240	1,610	759	1,030
14	288	422	4,730	2,200	2,700	4,050	12,400	9,220	1,110	1,390	631	1,080
15	275	416	4,530	2,200	2,200	3,550	14,900	6,740	1,020	1,330	563	1,770
16	262	485	4,150	2,500	1,900	3,540	14,100	5,370	996	1,510	511	1,870
17	254	646	3,100	2,500	2,100	4,760	10,700	4,590	1,200	1,590	458	1,390
18	258	623	2,000	2,100	2,000	5,740	8,330	5,960	1,160	1,350	436	1,130
19	266	710	1,900	1,800	1,900	4,850	7,110	6,080	1,200	1,090	418	1,070
20	266	710	2,300	1,900	2,000	4,550	6,240	4,710	1,080	950	398	1,100
21	275	630	13,000	2,200	2,200	5,360	5,490	4,010	1,020	842	393	1,740
22	275	600	19,800	4,100	5,000	6,760	4,960	3,630	1,220	795	369	3,770
23	284	568	15,900	6,400	12,000	6,200	4,750	3,430	2,130	755	411	4,850
24	293	553	10,600	8,000	11,900	6,800	4,800	3,430	1,870	823	443	3,430
25	288	878	7,400	8,400	7,450	6,400	4,480	3,400	1,330	907	504	2,560
26	279	1,200	9,030	6,780	5,600	5,200	4,000	3,700	1,190	982	572	2,170
27	271	1,230	21,100	8,500	4,600	4,990	3,560	3,240	1,210	1,270	494	2,040
28	258	1,940	24,600	14,200	4,360	4,710	3,190	2,880	1,410	1,070	474	1,920
29	246	2,010	22,400	15,300	-----	4,230	2,910	2,770	1,510	948	1,020	2,130
30	365	2,200	17,500	12,500	-----	3,850	2,670	2,790	1,290	1,420	1,200	2,330
31	452	-----	13,400	9,640	-----	4,960	-----	2,540	-----	2,400	1,170	-----
TOTAL	9,579	23,302	258,980	173,790	120,580	174,500	252,760	122,860	41,299	58,232	25,389	66,050
MEAN	309	777	8,354	5,606	4,306	5,629	8,425	3,963	1,377	1,878	819	2,202
MAX	452	2,200	24,600	15,300	12,000	10,900	16,500	9,220	2,560	5,690	2,850	5,010
MIN	246	416	1,250	1,800	1,900	3,540	2,670	2,540	973	755	369	1,030
CFSM	.14	.35	3.74	2.51	1.93	2.52	3.77	1.78	.62	.84	.37	.99
IN.	.16	.39	4.32	2.90	2.01	2.91	4.21	2.05	.69	.97	.42	1.10

CAL YR 1973 TOTAL 1,438,441 MEAN 3,941 MAX 24,600 MIN 246 CFSM 1.77 IN 23.97
WTR YR 1974 TOTAL 1,327,321 MEAN 3,636 MAX 24,600 MIN 246 CFSM 1.63 IN 22.12

PEAK DISCHARGE (BASE 18,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-21	1700	11.12	20,300	12-28	0800	12.43	24,900

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.--36 years, 394 ft³/s (11.16 m³/s) (20.34 in/yr (516.6 mm/yr)).

EXTREMES.--Current year: Maximum discharge, 3,700 ft³/s (105 m³/s) Dec. 27 (gage height, 8.47 ft (2.582 m)); minimum, 32 ft³/s (0.91 m³/s) Oct. 1, 2 (gage height, 1.94 ft (0.591 m)).

Period of record: Maximum discharge, 9,200 ft³/s (261 m³/s) Mar. 5, 1964 (gage height, 9.80 ft (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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	80	271	780	800	580	385	381	236	125	161	185
2	37	88	240	640	620	520	624	317	215	113	136	164
3	42	86	220	580	500	480	1,290	293	205	1,020	120	357
4	39	82	216	480	440	980	2,910	293	199	729	113	653
5	39	80	267	500	400	1,560	3,110	261	179	419	115	405
6	39	80	708	560	350	1,330	2,040	254	164	329	106	313
7	38	82	476	450	320	1,080	1,410	278	149	264	99	257
8	37	82	407	400	300	915	1,370	250	139	222	95	215
9	37	84	775	380	280	783	1,130	257	133	192	93	185
10	36	82	1,290	350	270	732	995	353	130	176	103	161
11	36	80	808	320	260	560	975	309	179	155	93	144
12	34	80	520	280	240	480	1,360	381	167	144	88	130
13	34	82	500	210	270	420	1,430	896	149	130	84	250
14	34	102	560	230	290	380	1,260	621	136	123	82	345
15	36	110	400	270	300	350	1,840	540	144	176	78	222
16	36	179	320	320	200	420	1,330	464	219	147	77	189
17	39	191	250	310	220	600	1,060	1,110	250	128	77	161
18	43	159	220	240	200	400	873	765	185	113	82	155
19	49	148	200	250	190	420	743	590	152	108	77	149
20	53	132	800	260	260	380	635	495	136	106	75	144
21	55	120	2,100	280	230	360	567	432	247	103	71	167
22	50	118	1,500	400	660	410	522	397	275	99	70	305
23	47	114	1,200	560	1,220	380	576	381	199	120	68	226
24	47	112	1,100	900	735	450	513	373	164	199	68	199
25	45	191	1,000	620	600	370	468	361	152	155	66	179
26	45	226	2,000	520	500	350	419	321	176	125	64	176
27	43	197	3,320	1,100	400	320	373	301	202	111	64	167
28	43	233	2,610	1,420	370	300	345	278	170	106	101	152
29	43	278	1,700	1,310	-----	270	329	285	149	115	128	149
30	60	264	1,300	1,050	-----	310	313	289	139	385	305	158
31	82	-----	1,000	940	-----	350	-----	254	-----	205	215	-----
TOTAL	1,331	3,942	28,278	16,910	11,425	17,240	31,195	12,780	5,339	6,642	3,174	6,662
MEAN	42.9	131	912	545	408	556	1,040	412	178	214	102	222
MAX	82	278	3,320	1,420	1,220	1,560	3,110	1,110	275	1,020	305	653
MIN	33	80	200	210	190	270	313	250	130	99	64	130
CFSM	.16	.50	3.47	2.07	1.55	2.11	3.95	1.57	.68	.81	.39	.84
IN.	.19	.56	4.00	2.39	1.62	2.44	4.41	1.81	.76	.94	.45	.94

CAL YR 1973 TOTAL 149,914 MEAN 411 MAX 3,320 MIN 33 CFSM 1.56 IN 21.20
WTR YR 1974 TOTAL 144,918 MEAN 397 MAX 3,320 MIN 33 CFSM 1.51 IN 20.50

PEAK DISCHARGE (BASE, 3,500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-27	0900	8.47	3,700	4-04	2200	8.41	3,630

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.

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.--29 years, 98.7 ft³/s (2.795 m³/s) (23.15 in/yr (588.0 mm/yr)).

EXTREMES.--Current year: Maximum discharge, 4,280 ft³/s (121 m³/s) July 3 (gage height, 5.16 ft (1.573 m)); minimum, 1.8 ft³/s (0.051 m³/s) Oct. 2; minimum gage height, 1.51 ft (0.460 m) Aug. 22, 23, 27.

Period of record: Maximum discharge, 6,980 ft³/s (198 m³/s) Feb. 25, 1961 (gage height, 5.94 ft (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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.1	23	54	170	180	140	111	90	45	46	13	13
2	3.3	39	42	140	140	120	285	64	38	36	11	13
3	5.0	23	39	130	120	140	644	70	35	1,310	9.8	111
4	3.7	18	38	110	110	368	1,250	70	31	413	15	99
5	5.0	15	128	80	74	595	845	56	26	223	12	40
6	5.5	13	326	78	64	394	436	60	23	158	10	26
7	3.7	12	155	70	64	338	305	71	20	113	8.6	21
8	3.0	12	120	54	62	289	315	56	18	84	8.0	17
9	4.1	12	418	49	60	231	240	86	17	66	9.3	15
10	7.1	11	370	49	58	213	225	173	15	52	9.0	13
11	4.5	9.8	221	49	54	160	266	118	31	42	7.2	12
12	3.7	9.8	168	42	52	130	360	290	20	34	5.9	11
13	3.3	9.1	140	36	56	92	413	425	18	28	5.5	40
14	3.3	9.1	155	39	64	86	408	233	16	25	4.8	73
15	3.3	9.1	100	49	66	78	590	173	15	22	4.1	32
16	3.3	20	74	60	38	120	318	136	83	19	3.6	23
17	3.7	20	60	49	44	150	241	218	72	16	6.0	20
18	5.0	16	42	41	35	100	199	158	39	15	7.3	20
19	7.1	15	32	41	36	100	167	122	27	15	5.3	17
20	9.1	14	72	42	44	88	138	102	23	15	4.4	20
21	7.8	13	620	80	38	100	120	88	59	13	3.6	62
22	5.5	13	280	180	290	110	117	81	59	11	3.2	85
23	5.0	12	240	260	320	100	159	78	34	10	3.5	48
24	4.1	14	170	260	190	130	121	92	26	43	6.0	37
25	3.7	41	160	170	150	88	101	88	24	29	4.5	33
26	3.3	41	490	150	120	80	88	68	130	19	3.5	38
27	3.0	39	1,300	516	110	76	77	60	122	16	3.4	31
28	3.0	72	577	384	96	66	70	53	67	14	8.0	26
29	3.0	78	356	350	-----	64	66	72	57	13	15	25
30	22	64	295	250	-----	100	61	66	54	31	41	26
31	16	-----	200	225	-----	120	-----	51	-----	17	18	-----
TOTAL	165.2	696.9	7,442	4,203	2,735	4,966	8,736	3,568	1,244	2,948	269.5	1,047
MEAN	5.33	23.2	240	136	97.7	160	291	115	41.5	95.1	8.69	34.9
MAX	22	78	1,300	516	320	595	1,250	425	130	1,310	41	111
MIN	2.1	9.1	32	36	35	64	61	51	15	10	3.2	11
CFSM	.09	.40	4.15	2.35	1.69	2.76	5.03	1.99	.72	1.64	.15	.60
IN.	.11	.45	4.78	2.70	1.76	3.19	5.61	2.29	.80	1.89	.17	.67

CAL YR 1973 TOTAL 36,419.88 MEAN 99.8 MAX 1,300 MIN .77 CFSM 1.72 IN 23.40
WTR YR 1974 TOTAL 38,020.60 MEAN 104 MAX 1,310 MIN 2.1 CFSM 1.80 IN 24.43

PEAK DISCHARGE (BASE, 1,500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-27	0600	4.29	1,980	7-03	1130	5.16	4,280
4-04	1830	4.11	1,620				

01508803 WEST BRANCH TIOUGHNIOGA 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, 1,770 ft³/s (50.1 m³/s) Apr. 4 (gage height, 7.22 ft or 2.201 m); minimum, 14 ft³/s (0.40 m³/s) Oct. 27, 28 (gage height, 1.14 ft or 0.347 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. 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 Part 2 of this report.

REVISIONS.--The figures of peak discharge for water year 1973 have been revised as shown in the following table. They supersede figures published in WRD N.Y. 1973.

REVISED PEAK DISCHARGE.--1973: Dec. 7 (unknown) about 1,200 cfs (unknown); Dec. 23 (1115) 900 cfs (5.27 ft); Jan. 1 (unknown) about 1,000 cfs (unknown); Feb. 3 (0515) 771 cfs (4.87 ft); Mar. 18 (0145) 540 cfs (4.10 ft); Apr. 5 (0230) 762 cfs (4.84 ft).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	28	61	212	189	140	139	157	118	54	47	44
2	40	32	55	174	171	137	172	139	100	52	44	41
3	70	30	52	165	157	149	274	133	92	91	44	87
4	53	28	52	153	140	265	1,180	130	87	113	48	97
5	25	28	75	120	130	376	1,210	120	79	111	52	69
6	25	26	117	120	120	336	750	120	72	103	48	61
7	42	26	85	120	110	282	561	121	71	95	45	56
8	23	26	75	110	110	251	513	113	70	90	43	51
9	22	25	123	100	110	228	440	123	69	78	41	48
10	36	25	160	100	100	225	383	156	69	73	39	44
11	34	25	117	98	100	196	362	139	84	68	36	40
12	32	25	100	96	107	179	408	177	79	61	35	38
13	30	24	90	94	105	153	390	349	71	56	35	58
14	30	24	93	90	100	144	393	246	66	53	35	72
15	28	25	80	96	90	138	591	208	59	51	33	50
16	19	30	70	96	80	154	428	181	63	49	31	44
17	17	29	62	91	80	168	365	248	64	48	33	42
18	19	28	60	86	88	149	323	222	60	47	35	41
19	22	28	60	90	88	149	292	188	59	48	33	39
20	24	27	70	86	92	140	259	170	61	48	31	38
21	25	26	160	93	90	139	236	156	67	46	30	46
22	25	28	120	114	173	135	222	145	70	46	29	56
23	20	27	120	147	200	132	228	147	62	45	28	48
24	17	30	100	178	140	138	212	142	58	57	28	44
25	16	55	88	142	130	126	194	135	57	57	27	42
26	15	60	250	131	120	122	177	123	67	52	27	44
27	14	55	574	253	120	119	164	120	70	50	31	42
28	14	66	434	274	130	116	154	114	60	48	45	40
29	16	72	330	273	-----	111	150	127	59	47	51	48
30	29	66	303	232	-----	121	144	123	57	50	58	56
31	26	-----	246	212	-----	148	-----	113	-----	48	48	-----
TOTAL	831	1,024	4,382	4,346	3,370	5,366	11,314	4,885	2,120	1,935	1,190	1,526
MEAN	26.8	34.1	141	140	120	173	377	158	70.7	62.4	38.4	50.9
MAX	70	72	574	274	200	376	1,210	349	118	113	58	97
MIN	14	24	52	86	80	111	139	113	57	45	27	38
CFSM	.37	.48	1.97	1.96	1.68	2.42	5.27	2.21	.99	.87	.54	.71
IN.	.43	.53	2.28	2.26	1.75	2.79	5.89	2.54	1.10	1.01	.62	.79
CAL YR 1973	TOTAL 40,179	MEAN 110	MAX 740	MIN 14	CFSM 1.54	IN 20.90						
WTR YR 1974	TOTAL 42,289	MEAN 116	MAX 1,210	MIN 14	CFSM 1.62	IN 22.00						

PEAK DISCHARGE (BASE, 480 CFS,

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-27	1145	4.66	708	4-15	0430	4.82	756
4-04	2145	7.22	1,770				

01509000 TIOUGHNIOGA 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.--36 years, 487 ft³/s (13.79 m³/s) (22.65 in/yr or 575.3 mm/yr).

EXTREMES.--Current year: Maximum discharge, 9,100 ft³/s (258 m³/s) Apr. 5 (gage height, 11.11 ft or 3.386 m); minimum, 56 ft³/s (1.59 m³/s) Oct. 6, 16-18; minimum gage height, 2.64 ft (0.805 m) Oct. 16-18.

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. Revised figures of discharge, in cubic feet per second, for water year 1973, superseding those published in WRD N.Y. 1973, are given herewith:

DISCHARGE IN CUBIC FEET PER SECOND, 1973

Date	Discharge	Date	Discharge	Date	Discharge	Date	Discharge
Aug. 7	80	Aug. 12	76	Aug. 17	80	Aug. 22	68
8	64	13	71	18	68	23	66
9	76	14	68	19	85	24	62
10	82	15	68	20	90	25	60
11	82	16	99	21	76		

Month	cfs-days	Mean	Maximum	Minimum	cfsm	Inches
August 1973	2,409	77.7	111	56	0.27	0.31
WTR YR 1973	222,431	609	4,410	54	2.09	28.34

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60	78	293	900	880	605	560	509	361	171	144	151
2	66	99	257	680	720	593	703	463	329	154	132	129
3	96	94	226	674	620	613	1,580	439	292	717	117	301
4	86	91	213	560	520	1,390	5,310	445	270	2,040	126	730
5	60	83	307	460	440	2,350	7,670	401	237	1,290	168	420
6	56	76	1,160	460	440	2,570	4,180	383	209	749	138	275
7	66	76	742	440	440	1,790	2,620	412	197	533	120	213
8	60	73	523	360	420	1,460	2,160	375	190	431	111	175
9	58	73	747	320	380	1,190	1,790	397	179	361	105	157
10	62	71	1,680	310	360	1,070	1,470	684	179	315	102	141
11	66	69	1,090	300	350	884	1,400	640	229	279	99	129
12	73	69	735	300	340	760	1,790	713	245	245	94	126
13	64	69	587	280	340	560	1,810	1,710	193	213	94	338
14	64	71	575	280	340	520	1,830	1,300	175	186	91	578
15	62	71	494	314	280	500	2,720	907	171	171	86	338
16	58	83	360	300	260	566	2,120	728	186	157	80	245
17	56	132	290	280	260	736	1,490	1,280	221	148	86	205
18	56	126	200	260	260	489	1,200	1,490	205	141	91	190
19	60	119	190	260	250	480	1,020	950	168	135	88	175
20	66	115	400	240	270	480	877	737	161	132	83	164
21	71	109	1,100	260	270	480	783	632	164	126	78	190
22	66	108	1,270	484	600	460	723	562	266	120	76	347
23	62	108	1,100	609	1,500	460	791	565	237	117	73	270
24	60	109	934	966	900	450	734	549	175	151	73	213
25	60	215	812	679	700	440	671	520	161	197	69	193
26	60	303	1,850	567	560	446	587	460	201	154	69	213
27	58	238	3,710	1,220	540	436	533	427	270	138	80	193
28	58	278	3,260	1,760	520	398	492	405	213	129	123	175
29	58	324	2,020	1,550	-----	376	466	457	182	123	168	193
30	64	327	1,510	1,230	-----	423	452	477	193	229	270	301
31	83	-----	1,110	1,040	-----	572	-----	390	-----	197	221	-----
TOTAL	1,995	3,857	29,745	18,343	13,760	24,547	50,532	20,407	6,459	10,249	3,455	7,468
MEAN	64.4	129	960	592	491	792	1,684	658	215	331	111	249
MAX	96	327	3,710	1,760	1,500	2,570	7,670	1,710	361	2,040	270	730
MIN	56	69	190	240	250	376	452	375	161	117	69	126
CFSM	.22	.44	3.29	2.03	1.68	2.71	5.77	2.25	.74	1.13	.38	.85
IN.	.25	.49	3.79	2.34	1.75	3.13	6.44	2.60	.82	1.31	.44	.95

CAL YR 1973 TOTAL 188,133 MEAN 515 MAX 3,950 MIN 54 CFSM 1.76 IN 23.97
WTR YR 1974 TOTAL 190,817 MEAN 523 MAX 7,670 MIN 56 CFSM 1.79 IN 24.31

PEAK DISCHARGE (BASE, 4,400 CFS).--April 5 (0400) 9,100 cfs (11.11 ft).

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) (revised) above mean sea level.

AVERAGE DISCHARGE.--31 years (1939-64, 1970-74), 268 ft³/s (7.590 m³/s) (24.76 in/yr or 628.9 mm/yr).

EXTREMES.--Current year: Maximum discharge, 4,580 ft³/s (130 m³/s) Apr. 4 (gage height, 8.68 ft or 2.646 m); minimum, 18 ft³/s (0.51 m³/s) Oct. 1-2 (gage height, 0.53 ft or 0.162 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	55	219	502	537	340	298	184	129	63	56	54
2	21	88	186	389	350	320	551	143	116	57	48	50
3	23	72	168	377	300	350	1,230	150	105	1,240	43	98
4	21	62	160	280	260	1,000	3,370	153	95	988	41	346
5	22	54	226	200	230	1,590	2,840	132	84	395	42	152
6	21	50	710	200	200	1,280	1,170	130	76	298	41	103
7	20	49	389	180	180	957	716	148	69	217	37	83
8	20	48	301	140	170	826	712	129	62	173	34	69
9	20	47	678	120	170	650	553	177	58	145	33	59
10	29	46	1,060	120	160	593	476	341	54	124	48	54
11	27	44	589	120	150	470	525	244	82	106	39	52
12	22	42	437	100	150	350	680	425	71	91	33	56
13	21	42	355	90	160	270	760	796	60	78	30	72
14	20	48	372	90	170	240	816	491	53	70	29	291
15	19	52	298	110	140	220	1,280	392	50	64	27	148
16	19	76	200	130	140	260	708	324	55	59	25	114
17	20	102	140	120	130	300	511	633	77	53	27	98
18	23	82	120	110	120	270	425	514	63	50	28	93
19	26	78	100	120	130	280	360	383	51	49	26	83
20	30	72	150	110	140	250	301	314	46	46	24	75
21	33	66	1,210	140	150	250	262	267	60	43	22	112
22	29	66	600	395	498	250	255	235	92	41	21	226
23	28	66	500	422	834	230	311	244	65	39	23	148
24	26	66	400	554	455	260	253	235	51	76	23	120
25	25	164	350	377	300	230	219	213	47	80	21	109
26	24	206	1,100	332	280	220	192	180	88	56	20	120
27	23	174	2,330	1,050	240	210	170	164	101	48	20	104
28	23	235	1,530	1,060	230	200	155	153	71	43	29	92
29	23	269	957	918	-----	190	148	184	71	40	42	89
30	41	246	790	686	-----	240	142	180	66	137	99	132
31	62	-----	579	618	-----	330	-----	142	-----	74	66	-----
TOTAL	779	2,767	17,204	10,160	6,974	13,426	20,389	8,400	2,168	5,043	1,097	3,402
MEAN	25.1	92.2	555	328	249	433	680	271	72.3	163	35.4	113
MAX	62	269	2,330	1,060	834	1,590	3,370	796	129	1,240	99	346
MIN	18	42	100	90	120	190	142	129	46	39	20	50
CFSM	.17	.63	3.78	2.23	1.69	2.95	4.63	1.84	.49	1.11	.24	.77
IN.	.20	.70	4.35	2.57	1.76	3.40	5.16	2.13	.55	1.28	.28	.86

CAL YR 1973 TOTAL 93,807 MEAN 257 MAX 2,580 MIN 14 CFSM 1.75 IN 23.74
WTR YR 1974 TOTAL 91,809 MEAN 252 MAX 3,370 MIN 18 CFSM 1.71 IN 23.23

PEAK DISCHARGE (BASE, 2,500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-27	0815	6.90	2,630	7-03	1600	8.15	3,100
4-04	2215	8.68	4,580				

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, 984.71 ft (300.140 m) Apr. 6 (contents, 29,720 acre-ft (36.6 hm³)); minimum 963.71 ft (293.739 m) Feb. 11 (contents, 3,198 acre-ft (3.94 hm³)).

Period of record: Maximum elevation, 1,005.0 ft (306.32 m) Mar. 23, 1948 (contents, 71,440 acre-ft (88.1 hm³)); minimum, 950.4 ft (289.68 m) Sept. 2-4, 1953 (contents, 36 acre-ft (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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	72.88	73.14	66.14	72.80	65.81	66.16	66.21	67.12	72.92	73.03	73.21	73.04
2	72.89	73.15	66.15	69.75	65.95	66.18	66.07	67.70	72.97	73.00	73.19	72.94
3	72.91	73.16	66.16	66.94	65.94	65.95	66.97	68.18	73.04	73.22	73.18	73.00
4	72.95	73.16	66.15	66.31	66.01	66.42	71.38	68.75	73.08	74.27	73.16	73.46
5	72.99	73.15	66.15	66.00	65.88	67.95	79.36	69.19	73.08	73.32	73.15	73.09
6	73.04	73.09	67.13	65.49	65.59	69.79	84.09	69.59	73.05	73.15	73.11	73.00
7	73.09	73.01	67.60	65.76	65.37	69.14	83.76	70.04	73.00	73.04	73.07	73.02
8	73.13	72.90	66.92	65.86	65.11	67.84	81.10	70.48	73.05	73.02	73.03	72.99
9	73.17	72.81	66.37	65.73	64.74	66.54	78.27	70.91	73.11	73.00	73.02	73.10
10	73.21	72.78	68.05	65.76	64.29	66.20	75.10	72.01	73.17	73.08	73.07	73.20
11	73.25	72.77	67.49	65.93	63.92	65.92	71.92	73.01	73.25	73.12	73.13	73.22
12	73.28	72.77	66.77	66.09	64.63	65.83	69.75	73.02	73.21	73.10	73.16	73.21
13	73.31	72.78	66.19	66.14	65.33	65.77	68.08	73.95	73.12	73.07	73.18	73.23
14	73.34	72.71	66.22	66.08	65.98	65.88	66.66	73.07	73.03	73.00	73.20	73.40
15	73.37	71.55	66.06	66.03	66.37	66.03	66.52	72.92	73.01	72.97	73.19	73.26
16	73.38	70.45	66.00	66.07	66.14	66.17	66.18	73.01	73.08	72.92	73.19	73.10
17	73.38	69.56	65.84	66.12	65.94	66.68	65.71	73.23	73.05	72.96	73.20	73.05
18	73.37	68.73	65.77	66.04	66.09	66.31	65.78	73.39	73.01	73.04	73.22	73.00
19	73.36	67.89	66.04	65.97	66.20	65.74	65.93	73.07	72.95	73.12	73.22	73.01
20	73.09	67.11	66.30	65.97	66.14	65.80	65.91	73.14	73.04	73.18	73.22	73.07
21	72.79	66.56	67.39	65.96	66.06	65.86	65.89	73.07	73.16	73.21	73.22	73.15
22	72.73	65.99	68.29	66.33	66.18	66.03	65.97	72.96	73.27	73.22	73.21	73.20
23	72.75	65.95	67.09	66.16	67.92	66.09	66.31	73.10	73.14	73.10	73.20	73.10
24	72.78	66.11	66.20	66.34	67.88	66.21	66.44	73.26	73.00	73.15	73.21	73.00
25	72.81	66.27	66.00	65.95	66.97	66.04	66.18	73.20	73.08	73.24	73.22	72.98
26	72.85	66.35	66.60	65.86	66.14	65.95	65.98	73.04	73.17	73.18	73.21	73.11
27	72.89	66.32	70.21	66.68	66.05	65.90	65.93	73.07	73.22	73.06	73.20	73.23
28	72.94	66.28	76.84	68.88	66.30	65.84	65.96	73.07	72.99	72.96	73.21	73.20
29	72.99	66.37	79.15	68.96	-----	65.83	66.06	73.07	72.97	73.00	73.22	73.15
30	73.07	66.29	78.29	67.70	-----	65.88	66.52	73.16	73.00	73.10	73.26	73.10
31	73.12	-----	75.80	66.20	-----	66.35	-----	72.90	-----	73.27	73.13	-----
MEAN	73.07	69.97	68.11	66.64	65.89	66.40	69.53	71.93	73.07	73.13	73.17	73.12
MAX	73.38	73.16	79.15	72.80	67.92	69.79	84.09	73.95	73.27	74.27	73.26	73.46
MIN	72.73	65.95	65.77	65.49	63.92	65.74	65.71	67.12	72.92	72.92	73.02	72.94
Δ	12,850	5,432	14,396	5,081	5,442	5,579	5,993	12,553	12,723	13,002	12,799	12,799
#	+4.8	-125	+146	-151	+6.5	+2.2	+7.0	+107	+2.9	+4.5	-3.3	0

CAL YR 1973 MEAN 70.38 MAX 79.15 MIN 65.77 Δ +10.9

WTR YR 1974 MEAN 70.36 MAX 84.09 MIN 63.92 Δ + 3

Δ 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

151

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.--61 years (1913-74), 2,394 ft³/s (67.80 m³/s).

EXTREMES.--Current year: Maximum discharge, 18,700 ft³/s (530 m³/s) Apr. 5 (gage height, 9.63 ft (2.935 m)); minimum, 234 ft³/s (6.63 m³/s) Oct. 2 (gage height, 2.54 ft (0.774 m)).

Period of record: Maximum discharge, 96,000 ft³/s (2,720 m³/s) July 8, 1935 (gage height, 20.3 ft (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 (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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	243	569	1,490	6,790	5,140	2,870	3,650	1,790	1,500	981	714	754
2	248	629	1,230	5,620	3,960	3,240	4,490	1,760	1,280	856	546	673
3	281	645	1,120	4,650	3,300	2,840	8,400	1,600	1,150	1,600	503	662
4	334	640	1,060	3,150	2,700	4,790	14,000	1,730	1,100	7,980	499	2,390
5	330	593	1,370	2,750	2,400	9,040	18,100	1,530	1,020	4,870	503	2,250
6	328	555	5,620	2,600	2,100	9,750	13,900	1,380	943	3,010	515	1,230
7	296	537	4,360	2,100	1,900	8,260	10,900	1,530	846	2,180	476	978
8	288	500	3,240	2,000	2,100	7,120	10,000	1,460	745	1,600	436	839
9	292	397	4,240	1,800	2,100	5,880	9,100	1,490	704	1,290	388	657
10	332	364	8,870	1,700	1,800	4,930	8,070	3,020	700	1,050	356	609
11	323	356	6,720	1,600	1,500	4,290	7,570	3,050	800	943	350	603
12	300	342	4,610	1,500	1,400	3,550	9,010	3,320	910	857	354	559
13	286	456	3,440	1,400	1,400	2,820	9,440	8,740	910	789	339	548
14	287	931	3,130	1,300	1,400	2,240	8,530	6,640	800	735	323	1,100
15	323	936	2,970	1,400	1,300	2,140	10,000	4,270	750	749	317	1,470
16	382	983	2,230	1,500	1,100	2,170	9,140	3,350	800	667	303	934
17	385	1,060	1,600	1,400	1,100	3,400	6,460	4,260	1,270	566	294	795
18	412	1,110	1,000	1,200	1,100	2,500	5,030	6,610	1,200	525	302	700
19	435	1,030	1,100	1,200	1,100	2,500	4,330	4,180	910	498	310	600
20	425	850	1,800	1,200	1,200	2,400	3,740	3,180	700	476	305	555
21	357	905	6,380	1,400	1,200	2,400	3,270	2,780	650	458	289	700
22	331	643	7,490	3,180	3,200	2,930	2,890	2,430	910	471	280	1,480
23	323	466	6,730	3,850	8,180	2,700	3,060	2,300	1,140	542	281	1,480
24	299	457	5,300	5,740	5,540	3,270	3,140	2,450	800	569	283	1,080
25	277	612	4,280	4,530	4,510	2,750	2,870	2,600	700	708	272	855
26	268	1,130	5,200	3,440	3,450	2,460	2,500	2,160	855	751	259	800
27	260	1,270	12,600	6,730	2,690	2,440	2,180	1,830	1,620	656	263	800
28	259	1,340	14,800	9,760	2,540	2,260	1,960	1,710	1,330	561	297	800
29	279	1,610	11,400	8,780	-----	2,040	1,760	1,780	1,020	454	405	750
30	370	1,720	9,410	7,510	-----	2,170	1,540	2,130	973	480	604	800
31	530	-----	8,010	6,310	-----	3,480	-----	1,840	-----	796	913	-----
TOTAL	10,083	23,636	152,800	108,090	71,410	115,630	199,030	88,900	29,036	38,668	12,279	28,451
MEAN	325	788	4,929	3,487	2,550	3,730	6,634	2,868	968	1,247	396	948
MAX	530	1,720	14,800	9,760	8,180	9,750	18,100	8,740	1,620	7,980	913	2,390
MIN	243	342	1,000	1,200	1,100	2,040	1,540	1,380	650	454	259	548

CAL YR 1973 TOTAL 865,382 MEAN 2,371 MAX 14,800 MIN 202
WTR YR 1974 TOTAL 878,013 MEAN 2,406 MAX 18,100 MIN 243

PEAK DISCHARGE (BASE, 18,000 CFS).-- Apr. 5 (1100) 18,700 cfs (9.63 ft).

01514000 OWEKO CREEK NEAR OWEKO, 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.--44 years, 274 ft³/s (7.760 m³/s) (20.11 in/yr or 510.8 mm/yr).

EXTREMES.--Current year: Maximum discharge, 3,300 ft³/s (93.5 m³/s) Feb. 22 (gage height, 5.70 ft or 1.737 m); minimum, 13 ft³/s (0.37 m³/s) Aug. 21 (gage height, 0.21 ft or 0.064 m).

Period of record: Maximum discharge, 23,500 ft³/s (666 m³/s) July 8, 1935 (gage height, 10.50 ft (3.200 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 discharge, 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, which are fair.

REVISIONS.--WRD N.Y. 1969: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	83	166	485	610	250	694	206	121	68	23	18
2	37	86	144	379	380	250	1,310	176	109	63	22	18
3	41	76	130	280	330	260	1,680	173	103	54	22	31
4	38	69	126	250	250	934	2,910	200	97	51	22	95
5	40	65	229	200	200	1,570	2,370	166	84	47	23	44
6	38	60	1,140	180	220	1,170	1,210	158	76	50	21	33
7	37	58	432	160	200	829	790	168	69	41	20	29
8	36	55	323	140	180	676	760	151	65	38	20	27
9	35	54	1,030	120	170	652	646	184	60	35	19	25
10	44	51	1,520	130	160	718	568	466	58	33	20	24
11	44	50	682	140	150	477	724	308	62	31	21	23
12	39	48	487	110	130	405	1,220	508	56	29	18	22
13	36	47	383	100	140	260	1,160	1,360	52	29	18	21
14	35	46	392	110	140	200	927	622	48	28	17	37
15	35	45	327	120	120	200	1,320	445	46	37	16	33
16	33	48	248	120	110	230	760	350	63	33	16	27
17	33	52	170	100	110	400	568	379	73	28	16	24
18	34	52	160	90	100	265	456	445	60	27	16	24
19	36	51	150	110	100	289	414	297	52	28	16	23
20	37	50	220	130	120	264	350	242	47	25	15	22
21	37	48	1,910	226	140	358	301	209	46	24	15	29
22	35	47	948	724	1,620	383	275	186	45	22	15	93
23	34	46	730	658	1,700	350	312	186	42	22	15	55
24	34	47	480	766	540	487	268	179	40	38	15	43
25	33	74	400	480	440	301	239	195	40	40	14	38
26	32	132	1,070	418	320	286	209	158	42	31	14	38
27	31	171	2,530	1,720	270	286	189	139	97	29	16	36
28	31	209	1,640	1,560	250	275	173	130	69	27	16	33
29	34	214	997	1,170	-----	245	161	149	59	25	16	32
30	141	203	842	810	-----	275	153	184	60	27	18	30
31	97	-----	568	712	-----	688	-----	139	-----	26	18	-----
TOTAL	1,281	2,337	20,574	12,698	9,200	14,233	23,117	8,858	1,941	1,086	553	1,027
MEAN	41.3	77.9	664	410	329	459	771	286	64.7	35.0	17.8	34.2
MAX	141	214	2,530	1,720	1,700	1,570	2,910	1,360	121	68	23	95
MIN	31	45	126	90	100	200	153	130	40	22	14	18
CFSM	.22	.42	3.59	2.22	1.78	2.48	4.17	1.55	.35	.19	.10	.18
IN.	.26	.47	4.14	2.55	1.85	2.86	4.65	1.78	.39	.22	.11	.21

CAL YR 1973 TOTAL 96,476 MEAN 264 MAX 3,050 MIN 18 CFMS 1.43 IN 19.40
WTR YR 1974 TOTAL 96,905 MEAN 265 MAX 2,910 MIN 14 CFMS 1.43 IN 19.49

PEAK DISCHARGE (BASE, 3,800 CFS).--No peak above base.

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.--37 years, 7,400 ft³/s (209.6 m³/s) (21.05 in/yr or 534.7 mm/yr).

EXTREMES.--Current year: Maximum discharge, 49,800 ft³/s (1,410 m³/s) Dec. 28 (gage height, 12.13 ft or 3.697 m); minimum, 630 ft³/s (17.8 m³/s) Oct. 29 (gage height, 0.94 ft or 0.287 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. 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	800	1,340	4,740	22,300	18,400	8,760	13,100	5,470	4,890	3,070	3,220	2,180
2	778	1,520	4,240	18,500	15,000	9,460	17,200	6,230	4,580	3,070	3,270	2,260
3	767	1,690	3,580	14,700	12,400	9,780	26,500	6,290	3,940	2,600	2,370	2,720
4	756	1,700	3,120	12,200	10,000	10,700	35,200	6,000	3,610	4,890	1,930	4,000
5	789	1,600	3,220	10,100	8,200	18,100	41,600	5,760	3,320	12,000	1,750	7,760
6	800	1,470	11,700	8,400	6,400	26,000	39,500	5,400	3,020	11,200	1,650	7,330
7	789	1,370	12,900	7,800	6,000	23,700	31,100	5,120	2,720	8,400	1,570	4,920
8	767	1,300	11,500	6,800	6,400	19,700	25,100	5,180	2,430	6,600	1,480	3,630
9	745	1,220	11,200	6,000	6,400	18,200	23,000	5,500	2,180	5,400	1,370	2,970
10	824	1,120	26,800	4,900	6,400	16,700	20,900	6,770	2,040	4,400	1,240	2,490
11	920	1,050	23,200	5,150	6,200	14,600	19,900	8,150	2,080	3,580	1,120	2,140
12	848	1,010	17,400	5,400	5,600	12,400	24,300	7,850	2,180	3,090	1,060	1,930
13	789	985	12,800	4,900	5,200	10,600	28,000	17,200	2,350	2,780	1,120	1,790
14	734	946	10,400	4,700	5,000	8,760	27,200	21,300	2,350	2,490	1,150	1,670
15	712	1,340	9,820	4,100	4,700	7,720	32,600	16,700	2,180	2,430	1,020	2,160
16	701	1,520	8,600	4,500	4,100	7,250	30,500	12,400	2,240	2,410	933	3,140
17	712	1,640	7,070	4,700	4,200	8,920	24,600	10,100	2,760	2,320	896	2,920
18	756	1,820	4,000	3,900	4,300	10,900	18,500	11,900	3,320	2,220	848	2,350
19	778	1,910	3,300	3,800	4,500	10,600	15,300	13,900	2,810	2,000	812	1,970
20	789	1,910	3,700	4,000	4,430	9,460	13,500	10,700	2,490	1,720	800	1,760
21	812	1,780	23,200	5,000	4,670	9,820	11,600	8,640	2,160	1,520	778	1,810
22	778	1,650	34,100	10,100	9,600	13,000	10,300	7,630	2,160	1,390	767	2,810
23	734	1,450	30,100	13,400	28,300	12,900	9,600	6,910	2,520	1,340	745	5,830
24	723	1,250	22,400	18,600	25,000	13,700	9,640	6,710	3,560	1,530	734	6,360
25	712	1,330	15,600	18,000	18,300	12,900	9,350	6,840	3,000	1,720	767	4,610
26	690	2,320	16,800	15,100	13,700	11,400	8,340	6,810	2,370	1,710	789	3,560
27	660	3,140	40,100	18,000	10,000	9,780	7,460	6,420	2,470	1,820	824	3,090
28	650	3,740	49,300	30,800	9,000	9,280	6,680	5,630	3,270	1,970	933	2,950
29	650	4,640	44,000	32,300	-----	8,480	6,060	5,240	3,270	1,730	908	2,830
30	1,270	4,740	35,800	27,700	-----	7,790	5,600	5,500	3,020	1,590	1,160	2,920
31	1,470	-----	28,100	22,900	-----	10,200	-----	5,630	-----	1,950	1,870	-----
TOTAL	24,703	54,501	532,790	368,750	262,400	381,560	592,230	259,880	85,290	104,940	39,884	98,860
MEAN	797	1,817	17,190	11,900	9,371	12,310	19,740	8,383	2,843	3,385	1,287	3,295
MAX	1,470	4,740	49,300	32,300	28,300	26,000	41,600	21,300	4,890	12,000	3,270	7,760
MIN	650	946	3,120	3,800	4,100	7,250	5,600	5,120	2,040	1,340	734	1,670
CFSM	.17	.38	3.60	2.49	1.96	2.58	4.14	1.76	.60	.71	.27	.69
IN.	.19	.42	4.15	2.87	2.05	2.97	4.62	2.03	.66	.82	.31	.77

CAL YR 1973 TOTAL 2,921,634 MEAN 8,004 MAX 49,300 MIN 650 CFSM 1.68 IN 22.77
WTR YR 1974 TOTAL 2,805,788 MEAN 7,687 MAX 49,300 MIN 650 CFSM 1.61 IN 21.87

PEAK DISCHARGE (BASE, 52,000 CFS).--No peak above base.

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.--44 years, 784 ft³/s (22.20 m³/s) 13.81 in/yr (350.8 mm/yr).

EXTREMES.--Current year: Maximum discharge, 13,100 ft³/s (371 m³/s) Dec. 21 (gage height, 12.93 ft or 3.941 m); minimum, 44 ft³/s (1.25 m³/s) Aug. 27 (gage height, 2.88 ft or 0.878 m).

Period of record: Maximum discharge, 128,000 ft³/s (3,620 m³/s) June 23, 1972 (gage height, 26.27 ft (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 poor.

REVISIONS (WATER YEARS).--WSP 871: 1938. WRD N.Y. 1969: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	199	902	686	1,440	1,590	1,090	2,200	794	277	5,500	113	113
2	191	754	588	1,170	1,300	961	4,000	634	255	1,560	95	154
3	217	601	536	1,020	1,120	1,060	3,200	580	222	947	88	440
4	253	508	511	933	800	1,950	2,900	652	203	677	125	891
5	247	441	817	658	600	3,160	1,550	550	182	523	165	336
6	295	409	2,370	540	600	2,370	2,200	512	168	440	128	214
7	230	379	1,090	480	580	1,810	1,800	562	154	355	105	165
8	201	354	851	440	580	1,680	1,550	495	140	295	90	137
9	186	335	1,980	400	540	3,820	1,450	500	137	255	88	119
10	176	312	3,270	420	480	4,360	1,450	800	131	226	93	103
11	169	286	1,850	430	470	2,560	1,800	780	405	206	85	95
12	160	273	1,280	400	450	2,070	3,320	780	230	182	77	88
13	153	262	1,040	340	500	1,400	3,060	2,600	172	165	77	83
14	151	251	998	340	500	1,160	2,670	1,750	144	151	70	144
15	151	242	864	400	480	1,030	6,130	1,290	131	172	62	134
16	143	321	646	500	450	1,030	2,950	1,020	568	175	59	98
17	137	455	400	560	400	1,140	2,090	1,020	440	137	61	83
18	139	342	350	500	390	761	1,620	1,050	273	122	66	79
19	143	307	300	560	400	840	1,840	755	203	119	68	90
20	142	289	300	660	450	800	1,510	628	175	108	66	90
21	134	270	8,000	1,360	628	740	1,220	550	158	103	61	137
22	128	261	3,790	3,330	5,690	1,400	1,090	495	147	95	56	703
23	123	251	2,650	3,880	5,040	1,200	1,130	528	131	90	52	331
24	120	248	1,810	3,710	1,800	1,400	1,020	495	119	128	49	230
25	116	484	1,410	2,070	1,500	1,100	919	435	119	179	49	186
26	112	1,160	3,120	1,650	1,000	960	781	380	395	144	49	165
27	110	724	8,090	2,680	900	980	683	340	1,050	122	46	147
28	108	980	4,350	2,970	900	940	616	322	400	110	56	125
29	124	1,090	2,910	3,650	-----	880	562	327	1,010	103	66	116
30	3,380	791	2,460	2,550	-----	980	534	345	658	210	108	151
31	1,210	-----	1,680	1,990	-----	1,350	-----	291	-----	154	168	-----
TOTAL	9,348	14,282	60,997	42,031	30,138	46,982	57,845	22,260	8,797	13,753	2,541	5,947
MEAN	302	476	1,968	1,356	1,076	1,516	1,928	718	293	444	82.0	198
MAX	3,380	1,160	8,090	3,880	5,690	4,360	6,130	2,600	1,050	5,500	168	891
MIN	108	242	300	340	390	740	534	291	119	90	46	79
CFSM	.39	.62	2.55	1.76	1.40	1.97	2.50	.93	.38	.58	.11	.26
IN.	.45	.69	2.94	2.03	1.45	2.27	2.79	1.07	.42	.66	.12	.29
CAL YR 1973	TOTAL 314,348	MEAN 861	MAX 9,200	MIN 91	CFSM 1.12	IN 15.17						
WTR YR 1974	TOTAL 314,921	MEAN 863	MAX 8,090	MIN 46	CFSM 1.12	IN 15.19						

PEAK DISCHARGE (BASE, 10,200 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-21	0830	12.93	13,100	2-22	2030	12.53	12,200
12-27	0800	11.75	10,400	4-15	0330	11.91	10,800

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, 1,245.91 ft (379.753 m) May 17 (contents, 773 acre-ft (0.95 hm³)); minimum, 1,227.12 ft (374.026 m) Oct. 3-5, 13-15, Jan. 19, Mar. 27 (contents, 2 acre-ft (2,470 m³)).

Period of record: Maximum elevation, 1,304.04 ft (397.471 m) June 23, 1972 (contents, 7,944 acre-ft (9.79 hm³)); minimum, 1,226.6 ft (373.87 m) Nov. 4-6, 12-15, 18-25, 1963 (contents, 1 acre-ft (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. Revised figures of gage height, in feet, for water year 1973, superseding those published in WRD N.Y. 1973, are given herewith:

GAGE HEIGHT, IN FEET, 1973

Date	Gage Height	Date	Gage Height	Date	Gage Height
Mar. 27	27.29	Apr. 1	28.15	Apr. 6	30.26
28	27.05	2	33.22	7	29.11
29	27.05	3	28.66	8	27.78
30	27.05	4	30.21	9	27.38
31	27.05	5	36.44	10	27.66

Month	Mean	Maximum	Minimum
March 1973	29.21	41.70	27.04
April 1973	28.44	36.44	27.06
WTR YR 1973	27.83	46.87	27.03

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

01521000 ARKPORT RESERVOIR NEAR ARKPORT, N.Y.--CONTINUED

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27.13	27.24	27.15	27.15	27.17	29.50	30.70	28.88	28.75	28.74	28.74	28.74
2	27.13	27.19	27.15	27.15	27.14	29.10	35.59	28.54	28.75	28.74	28.74	28.74
3	27.13	27.17	27.14	27.14	27.14	32.28	35.14	28.81	28.75	28.74	28.74	28.74
4	27.12	27.17	27.14	27.14	27.15	35.34	37.28	28.73	28.76	28.74	28.74	28.75
5	27.13	27.17	27.14	27.14	27.39	33.48	31.99	28.49	28.75	28.74	28.74	28.75
6	27.13	27.17	27.14	27.14	27.39	29.93	30.89	28.59	28.75	28.74	28.74	28.75
7	27.13	27.17	27.15	27.14	27.15	28.91	30.58	28.69	28.75	28.74	28.74	28.75
8	27.13	27.17	27.15	27.14	27.15	28.71	32.11	28.53	28.75	28.74	28.74	28.75
9	27.13	27.17	27.14	27.14	27.15	30.20	30.99	28.56	28.75	28.74	28.74	28.75
10	27.13	27.17	27.14	27.14	27.18	30.36	30.67	28.80	28.75	28.74	28.74	28.75
11	27.13	27.17	27.14	27.14	27.15	28.68	32.11	28.71	28.75	28.74	28.74	28.74
12	27.13	27.16	27.14	27.14	27.14	28.34	34.47	31.84	28.75	28.74	28.74	28.74
13	27.12	27.16	27.14	27.14	27.14	27.61	33.44	33.04	28.75	28.74	28.74	28.74
14	27.13	27.16	27.14	27.14	27.15	27.38	32.43	29.09	28.75	28.74	28.74	28.74
15	27.13	27.16	27.14	27.14	27.16	27.24	34.95	28.73	28.75	28.74	28.74	28.74
16	27.13	27.16	27.14	27.13	27.14	27.32	30.43	28.72	29.85	28.74	28.74	28.74
17	27.13	27.16	27.15	27.14	27.14	27.48	29.05	37.79	28.75	28.74	28.74	28.74
18	27.13	27.16	27.14	27.14	27.14	29.28	28.53	34.27	28.75	28.74	28.74	28.13
19	27.13	27.16	27.14	27.14	27.14	27.49	29.36	28.77	28.75	28.74	28.74	27.20
20	27.13	27.16	27.24	27.13	27.14	27.47	28.61	28.76	28.75	28.74	28.74	27.20
21	27.13	27.16	27.81	27.87	27.14	27.90	28.31	28.75	28.75	28.74	28.74	27.20
22	27.13	27.16	27.15	27.51	31.40	27.54	28.27	28.74	28.75	28.74	28.74	27.20
23	27.13	27.16	27.14	29.35	31.47	28.10	30.08	28.74	28.75	28.74	28.74	27.20
24	27.13	27.16	27.14	27.82	29.60	29.17	29.45	28.74	28.75	28.74	28.74	27.20
25	27.13	27.31	27.14	27.29	30.21	28.28	29.32	28.75	28.75	28.74	28.74	27.20
26	27.13	27.18	28.31	27.21	30.25	27.84	28.69	28.75	28.75	28.74	28.74	27.19
27	27.13	27.19	29.84	27.61	29.74	27.86	28.60	28.75	28.75	28.74	28.74	27.19
28	27.13	27.19	27.53	27.47	29.86	27.71	28.38	28.75	28.75	28.74	28.74	27.19
29	27.22	27.15	27.15	27.81	-----	27.30	28.08	28.75	28.75	28.74	28.74	27.19
30	28.12	27.15	27.15	27.28	-----	27.88	27.97	28.75	28.75	28.74	28.74	27.19
31	27.19	-----	27.15	27.23	-----	30.79	-----	28.75	-----	28.74	28.74	-----
MEAN	27.17	27.17	27.31	27.33	27.97	28.92	30.88	29.44	28.79	28.74	28.74	28.10
MAX	28.12	27.31	29.84	29.35	31.47	35.34	37.28	37.79	29.85	28.74	28.74	28.75
MIN	27.12	27.15	27.14	27.13	27.14	27.24	27.97	28.49	28.75	28.74	28.74	27.19

CAL YR 1973 MEAN 27.66 MAX 41.70 MIN 27.04
WTR YR 1974 MEAN 28.38 MAX 37.79 MIN 27.12

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.--37 years, 34.2 ft³/s (0.969 m³/s).

EXTREMES.--Current year: Maximum discharge, 665 ft³/s (18.8 m³/s) May 17 (gage height, 2.98 ft or 0.908 m); minimum discharge, 1.6 ft³/s (0.045 m³/s) many days (gage height, 0.65 ft or 0.198 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 fair. 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.1	54	44	30	31	57	103	41	13	10	1.8	4.4
2	3.7	51	30	26	21	46	447	26	11	7.1	1.6	3.8
3	3.4	44	25	22	19	260	393	35	9.6	5.8	2.2	27
4	3.4	28	22	20	18	509	482	34	8.0	4.7	5.4	18
5	7.8	21	23	19	17	340	126	24	7.5	4.7	4.0	8.0
6	7.3	17	23	18	17	101	75	31	6.6	4.4	2.9	5.4
7	5.1	16	19	17	16	67	62	31	5.8	3.8	2.4	4.4
8	4.4	15	17	16	16	58	113	23	5.4	3.5	2.4	3.8
9	3.7	17	26	15	15	101	67	34	5.1	3.2	3.2	3.2
10	3.1	14	42	14	14	100	58	39	6.2	3.2	2.6	2.9
11	3.1	13	33	13	14	51	106	27	6.2	2.7	2.4	2.7
12	2.8	13	25	12	14	40	214	165	5.4	2.4	2.2	2.7
13	2.8	14	21	11	15	43	165	224	4.7	2.4	2.2	4.1
14	3.7	14	20	11	27	55	111	59	4.4	2.2	2.0	5.1
15	3.7	21	18	13	37	21	279	36	6.6	2.2	1.8	4.1
16	3.4	54	17	18	19	23	74	28	59	2.0	1.8	3.2
17	3.4	32	16	32	14	30	48	366	31	2.0	2.6	2.9
18	4.4	24	15	80	14	47	36	298	15	2.0	2.2	2.7
19	6.8	21	19	51	13	29	49	53	9.6	1.8	3.2	2.7
20	6.0	17	45	55	15	27	36	35	7.5	1.8	3.4	2.7
21	5.1	15	177	127	37	32	28	27	6.6	1.8	2.4	4.4
22	4.8	15	72	101	319	28	27	22	6.6	1.6	2.2	6.2
23	4.4	14	37	267	225	32	61	26	5.8	2.0	2.0	4.7
24	4.0	19	24	113	65	48	50	28	5.1	2.4	1.8	4.1
25	3.7	62	21	54	39	43	49	23	5.4	2.2	1.8	3.8
26	3.7	61	232	40	36	27	33	18	9.6	2.0	1.6	3.5
27	3.7	75	398	91	30	26	26	15	8.0	2.0	2.2	3.5
28	3.7	72	111	77	30	26	23	14	6.2	1.8	2.6	3.2
29	21	67	62	100	-----	21	21	23	17	2.0	5.4	3.5
30	213	51	50	51	-----	30	23	22	12	2.2	8.0	3.5
31	46	-----	35	42	-----	89	-----	15	-----	2.0	4.4	-----
TOTAL	398.2	951	1,719	1,556	1,147	2,407	3,385	1,842	309.9	93.9	86.7	154.2
MEAN	12.8	31.7	55.5	50.2	41.0	77.6	113	59.4	10.3	3.03	2.80	5.14
MAX	213	75	398	267	319	509	482	366	59	10	8.0	27
MIN	2.8	13	15	11	13	21	21	14	4.4	1.6	1.6	2.7

CAL YR 1973 TOTAL 13,841.5 MEAN 37.9 MAX 608 MIN 2.0
WTR YR 1974 TOTAL 14,049.9 MEAN 38.5 MAX 509 MIN 1.6

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, 1,257.44 ft (383.268 m) May 12 (contents, 1,387 acre-ft (1.71 hm³)); minimum, 1,249.48 ft (380.842 m) Feb. 19 (contents, 528 acre-ft (651,000 m³)).

Period of record: Maximum elevation, 1,298.58 ft (395.807 m) June 23, 1972 (contents, 14,100 acre-ft (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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54.29	50.38	50.42	50.00	50.51	51.02	50.12	53.17	55.63	55.72	54.87	54.96
2	54.19	50.30	50.06	50.00	50.72	50.63	51.97	54.39	55.70	55.81	54.85	54.90
3	53.87	50.46	50.27	50.51	50.94	51.95	51.60	55.25	55.61	55.68	54.84	55.01
4	53.30	50.17	50.44	50.38	50.99	52.70	52.86	55.49	55.45	55.49	55.20	55.02
5	52.73	50.17	50.52	49.96	50.46	50.88	50.62	55.34	55.31	55.30	55.53	54.93
6	52.15	50.12	50.43	49.70	50.20	50.58	50.50	55.52	55.24	55.21	55.31	54.91
7	51.59	50.12	50.26	49.61	50.18	50.53	50.73	55.57	55.18	55.11	55.20	54.86
8	51.26	50.32	50.21	49.75	50.11	50.08	51.62	55.40	55.20	55.10	55.19	54.77
9	50.96	50.57	50.22	49.93	50.15	50.95	51.04	55.58	55.23	55.08	55.24	54.67
10	50.65	50.76	50.03	50.13	50.11	51.60	50.19	55.46	55.29	55.08	55.30	54.55
11	50.38	50.78	50.02	50.29	50.09	50.60	50.05	55.19	55.65	55.10	55.30	54.43
12	50.28	50.76	50.14	50.30	50.04	50.42	50.98	55.88	55.66	55.08	55.27	54.30
13	50.19	50.77	49.94	50.22	50.01	50.12	50.44	56.34	55.58	55.04	55.25	54.19
14	50.13	50.73	49.84	50.14	50.58	50.37	50.55	55.65	55.48	55.02	55.22	54.15
15	50.13	50.39	49.65	50.15	50.90	50.50	51.63	54.95	55.39	55.01	55.18	54.03
16	50.14	50.86	49.57	50.33	50.63	50.58	50.91	55.06	55.55	54.98	55.14	53.89
17	50.18	51.34	49.57	50.80	50.32	50.92	50.93	55.03	55.44	54.96	55.14	53.75
18	50.25	51.24	49.62	50.80	49.91	50.95	50.77	54.74	55.26	54.95	55.18	53.61
19	50.34	50.59	49.84	51.31	49.57	50.41	51.18	55.46	55.14	54.93	55.17	53.47
20	50.40	50.36	50.11	50.40	49.72	50.22	50.49	55.46	54.77	54.93	55.19	53.33
21	50.32	50.11	50.51	51.01	49.96	50.44	50.84	55.30	54.63	54.91	55.15	53.29
22	50.20	49.87	50.18	50.57	51.30	49.80	51.02	55.24	54.93	54.87	55.10	53.53
23	50.07	49.79	50.36	51.03	51.62	50.32	51.64	55.16	55.16	54.84	55.05	53.53
24	49.94	49.76	50.28	50.84	51.03	51.94	51.36	55.20	55.38	54.86	55.01	53.45
25	49.84	50.34	50.20	50.76	51.48	51.97	50.97	55.27	55.54	54.87	54.95	53.33
26	49.84	50.57	50.76	50.16	51.38	51.30	50.90	55.22	55.59	54.87	54.89	52.99
27	49.84	50.41	51.57	50.42	50.98	50.52	50.71	55.20	55.45	54.86	54.89	52.54
28	49.83	50.34	50.64	51.10	50.77	50.45	50.29	55.14	55.43	54.85	54.98	52.04
29	49.95	50.75	50.40	50.37	-----	50.21	50.19	55.22	55.80	54.84	55.13	51.56
30	50.72	50.65	50.24	50.24	-----	50.22	51.32	55.51	55.41	54.89	55.17	51.11
31	50.23	-----	50.06	50.46	-----	49.82	-----	55.53	-----	54.89	55.05	-----
MEAN	50.91	50.46	50.21	50.38	50.52	50.74	50.95	55.26	55.37	55.07	55.13	53.84
MAX	54.29	51.34	51.57	51.31	51.62	52.70	52.86	56.34	55.80	55.81	55.53	55.02
MIN	49.83	49.76	49.57	49.61	49.57	49.80	50.05	53.17	54.63	54.84	54.84	51.11

CAL YR 1973 MEAN 51.44 MAX 57.37 MIN 45.28
WTR YR 1974 MEAN 52.41 MAX 56.34 MIN 49.57

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.--32 years (1940-42, 1944-74), 62.4 ft³/s (1.767 m³/s).

EXTREMES.--Current year: Maximum discharge, 1,190 ft³/s (33.7 m³/s) June 20 (gage height, 3.17 ft (0.966 m)); minimum, 5.3 ft³/s (0.15 m³/s) June 22-25 (gage height, 0.81 ft (0.247 m)).

Period of record: Maximum discharge, 9,430 ft³/s (267 m³/s) May 17, 1945 (gage height, 5.14 ft (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 (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 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	54	66	62	60	90	141	11	33	25	11	21
2	22	55	43	34	41	101	657	11	33	28	11	21
3	35	54	29	30	37	327	512	40	32	32	11	85
4	41	42	29	36	45	706	646	77	32	32	20	48
5	41	28	36	34	50	519	263	54	26	28	29	24
6	39	28	39	36	37	187	161	48	23	23	24	18
7	31	21	32	26	34	148	125	62	17	19	14	18
8	23	17	28	20	31	131	188	56	14	14	11	18
9	23	17	46	19	29	161	163	65	14	14	12	18
10	23	19	73	20	27	241	160	77	14	14	11	18
11	18	22	43	22	26	131	202	62	18	14	11	19
12	15	21	41	23	27	89	368	282	21	14	11	19
13	15	21	41	24	30	58	352	291	21	14	11	19
14	13	37	40	22	33	43	296	156	21	14	11	18
15	11	34	31	24	38	42	466	96	27	14	11	18
16	11	38	23	28	44	58	165	55	247	12	11	18
17	11	31	19	36	43	56	115	325	101	11	12	19
18	11	51	17	44	42	62	83	106	63	11	11	18
19	11	42	16	109	36	80	120	57	29	11	12	18
20	13	33	52	133	27	54	110	66	69	11	12	18
21	16	33	276	198	29	79	49	54	5.9	11	11	19
22	16	27	70	247	523	55	64	47	5.6	11	11	19
23	16	23	50	438	360	39	88	45	5.3	11	11	18
24	16	23	40	227	107	51	115	41	5.3	11	11	18
25	13	56	42	114	66	73	98	41	12	11	11	23
26	11	100	310	112	60	88	66	37	36	11	11	35
27	11	112	657	118	50	70	66	33	49	11	12	34
28	11	73	203	161	65	56	65	33	22	11	12	34
29	34	74	135	180	-----	52	30	33	66	11	21	34
30	195	70	97	88	-----	58	11	33	53	11	30	34
31	44	-----	66	74	-----	175	-----	33	-----	11	21	-----
TOTAL	804	1,256	2,690	2,739	1,997	4,080	5,945	2,427	1,115.1	476	429	741
MEAN	25.9	41.9	86.8	88.4	71.3	132	198	78.3	37.2	15.4	13.8	24.7
MAX	195	112	657	438	523	706	657	325	247	32	30	85
MIN	11	17	16	19	26	39	11	11	5.3	11	11	18

CAL YR 1973	TOTAL 23,371.5	MEAN 64.0	MAX 722	MIN 7.5
WTR YR 1974	TOTAL 24,699.1	MEAN 67.7	MAX 706	MIN 5.3

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 1,131.10 ft (344.759 m) above mean sea level (Corps of Engineers bench mark).

AVERAGE DISCHARGE.--32 years, 154 ft³/s (4.361 m³/s) (13.24 in/yr (336.3 mm/yr)).

EXTREMES.--Current year: Maximum discharge, 2,420 ft³/s (68.5 m³/s) May 17 (gage height, 7.22 ft (2.201 m)); minimum, 20 ft³/s (0.57 m³/s) Aug. 26 (gage height, 0.54 ft (0.164 m) 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 (1973 average, 4.3 ft³/s (0.12 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	117	135	141	150	208	340	125	92	66	26	46
2	42	144	101	92	100	203	1,400	99	85	70	25	32
3	54	119	79	92	90	651	1,120	138	79	66	25	150
4	60	98	75	100	96	1,580	1,420	178	74	61	64	110
5	64	72	80	98	100	1,280	616	140	67	51	55	58
6	64	67	85	98	84	498	373	130	60	44	47	48
7	54	59	74	84	80	334	296	149	54	38	35	45
8	46	54	65	72	76	287	438	131	50	40	31	43
9	44	55	97	72	74	364	340	151	48	32	34	41
10	44	55	164	68	70	491	319	170	54	32	31	40
11	40	55	116	72	68	268	453	144	59	32	28	39
12	36	54	98	72	70	213	852	571	56	30	28	38
13	35	55	89	70	76	130	747	739	54	30	28	40
14	35	68	91	68	100	120	601	301	53	31	28	44
15	31	71	72	69	94	100	1,120	212	64	31	28	40
16	31	116	56	80	90	110	397	151	386	28	27	38
17	31	88	32	100	88	120	281	947	172	27	30	37
18	31	94	46	82	88	130	230	617	117	27	28	36
19	33	85	52	190	85	169	268	237	72	28	30	36
20	33	71	78	220	80	135	238	212	108	27	38	36
21	36	67	580	392	79	164	162	176	48	27	28	46
22	36	62	199	512	1,050	135	170	155	43	26	27	47
23	36	57	140	871	894	125	224	171	40	28	26	42
24	35	60	100	520	250	150	238	157	38	28	25	40
25	31	133	90	253	170	153	232	144	44	27	24	42
26	30	201	520	218	150	166	174	128	110	27	24	54
27	29	213	1,340	280	140	148	160	115	109	26	29	52
28	29	170	425	307	150	133	150	109	59	25	32	51
29	64	171	256	396	-----	119	115	117	129	31	44	52
30	473	146	204	221	-----	130	97	123	96	31	56	50
31	121	-----	152	186	-----	341	-----	94	-----	28	48	-----
TOTAL	1,761	2,877	5,691	6,096	4,642	9,155	13,571	7,031	2,520	1,095	1,029	1,473
MEAN	56.8	95.9	184	197	166	295	452	227	84.0	35.3	33.2	49.1
MAX	473	213	1,340	871	1,050	1,580	1,420	947	386	70	64	150
MIN	29	54	32	68	68	100	97	94	38	25	24	32

CAL YR 1973 TOTAL 57,666 MEAN 158 MAX 1,870 MIN 26
WTR YR 1974 TOTAL 56,941 MEAN 156 MAX 1,580 MIN 24

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.--56 years, 1,351 ft³/s (38.26 m³/s) (13.32 in/yr (338.3 mm/yr)).

EXTREMES.--Current year: Maximum discharge, 20,900 ft³/s (592 m³/s) Feb. 22 (gage height, 11.38 ft (3.469 m)); minimum 86 ft³/s (2.44 m³/s) Aug. 25-26 (gage height, 0.93 ft (0.283 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 (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 fair except those for winter periods, which are poor. High flows slightly regulated by upstream reservoirs.

REVISIONS (WATER YEARS).--WSP 891: 1935-38. WRD N.Y. 1969: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	285	1,470	1,150	2,410	2,680	1,800	2,890	1,350	528	6,300	205	223
2	275	1,270	983	1,930	2,140	1,700	7,320	1,170	507	2,260	168	219
3	306	1,020	862	1,650	1,700	2,380	10,100	1,030	435	1,370	154	481
4	362	878	799	1,310	1,300	5,850	9,600	1,310	392	974	188	1,840
5	357	739	886	1,000	1,100	8,030	6,730	1,100	357	746	295	680
6	429	658	3,250	900	1,000	5,370	4,760	974	323	630	260	404
7	357	609	1,470	780	1,000	3,740	3,630	1,030	290	521	205	295
8	317	568	1,220	700	940	3,280	3,310	920	265	423	172	251
9	280	534	2,320	640	900	6,260	2,900	938	251	357	161	219
10	265	507	5,180	680	860	7,700	2,940	1,210	246	323	157	188
11	256	468	3,110	740	800	4,520	3,600	1,120	487	290	157	176
12	241	442	2,120	680	780	3,610	6,650	2,000	368	265	140	161
13	227	423	1,650	580	840	2,530	6,530	7,950	285	251	136	157
14	218	410	1,580	600	900	2,010	5,030	3,710	251	237	130	197
15	219	386	1,100	700	820	1,800	12,300	2,610	241	246	117	219
16	205	487	740	800	780	1,790	5,680	1,970	1,170	270	111	176
17	197	731	620	1,000	680	2,070	3,940	2,000	1,180	223	111	147
18	201	581	540	900	680	1,360	3,080	3,170	644	197	120	140
19	210	528	540	1,100	700	1,560	3,200	1,710	468	188	133	143
20	210	501	540	1,200	780	1,380	2,840	1,300	362	176	176	150
21	205	448	8,000	1,500	900	1,410	2,190	1,080	351	172	136	193
22	193	429	5,200	4,500	8,030	2,110	1,900	938	285	165	120	823
23	188	410	3,940	5,950	11,000	1,740	2,020	938	251	157	105	528
24	184	398	2,780	8,170	3,890	2,080	1,960	929	223	205	99	351
25	180	609	2,120	4,010	2,400	1,470	1,800	838	232	246	94	285
26	172	1,810	4,500	3,090	1,600	1,300	1,510	731	534	223	91	256
27	168	1,280	14,800	4,060	1,500	1,260	1,280	637	2,110	193	94	246
28	161	1,560	7,860	4,960	1,600	1,190	1,140	595	823	180	105	223
29	184	1,840	4,910	5,700	-----	1,070	1,030	588	1,910	176	130	205
30	5,160	1,370	3,630	4,060	-----	1,070	938	644	1,350	317	188	228
31	2,410	-----	2,840	3,260	-----	2,110	-----	568	-----	290	295	-----
TOTAL	14,622	23,364	91,240	69,560	52,300	85,550	122,798	47,058	17,119	18,571	4,753	9,804
MEAN	472	779	2,943	2,244	1,868	2,760	4,093	1,518	571	599	153	327
MAX	5,160	1,840	14,800	8,170	11,000	8,030	12,300	7,950	2,110	6,300	295	1,840
MIN	161	386	540	580	680	1,070	938	568	223	157	91	140
CFSM	.34	.57	2.14	1.63	1.36	2.00	2.97	1.10	.41	.44	.11	.24
IN.	.40	.63	2.46	1.88	1.41	2.31	3.32	1.27	.46	.50	.13	.26

CAL YR 1973 TOTAL 550,647 MEAN 1,509 MAX 16,800 MIN 160 CFSM 1.10 IN 14.88
WTR YR 1974 TOTAL 556,739 MEAN 1,525 MAX 14,800 MIN 91 CFSM 1.11 IN 15.04

PEAK DISCHARGE (BASE, 17,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-27	0900	10.42	18,100	4-15	0500	10.73	19,000
2-22	2300	11.38	20,900				

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.--24 years, 54.4 ft³/s (1.541 m³/s) (14.15 in/yr (359.4 mm/yr)).

EXTREMES.--Current year: Maximum discharge, 202 ft³/s (5.72 m³/s) Mar. 6 (gage height, 3.83 ft (1.167 m)); minimum, 5.5 ft³/s (0.16 m³/s) Aug. 17, (gage height, 1.50 ft (0.457 m)).
Period of record: Maximum discharge, 2,260 ft³/s (64.0 m³/s) June 23, 1972 (gage height, 9.82 ft (2.993 m)); minimum, 0.1 ft³/s (0.003 m³/s) Oct. 6, 1954 (gage height, 1.30 ft (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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.2	21	21	63	58	60	66	70	47	24	8.8	15
2	8.2	19	19	55	47	62	97	74	43	20	7.8	13
3	8.8	17	18	49	50	71	138	71	39	23	7.2	27
4	9.1	15	17	43	45	120	181	72	35	19	13	41
5	10	16	16	39	41	182	198	69	33	17	20	32
6	11	13	16	35	39	200	194	66	32	16	12	18
7	12	12	15	33	37	193	176	65	29	15	9.0	14
8	11	12	14	31	36	171	165	63	27	16	8.2	12
9	10	12	15	29	34	149	156	62	27	13	11	11
10	9.8	11	22	28	33	136	142	62	26	12	14	10
11	8.8	11	26	27	32	123	136	59	28	12	10	9.6
12	8.5	11	25	27	30	109	144	68	27	9.9	8.2	9.3
13	7.9	11	26	26	29	89	160	93	26	9.3	7.6	18
14	8.2	11	21	26	28	89	166	107	25	8.8	7.0	24
15	8.2	11	20	26	27	88	186	96	26	9.3	7.0	17
16	8.5	14	18	27	26	80	189	86	45	8.8	6.9	12
17	8.2	20	16	27	26	77	166	100	49	8.8	7.8	10
18	8.5	21	15	26	25	68	146	107	38	8.4	24	12
19	9.4	20	13	26	25	74	132	99	29	8.0	14	14
20	9.4	17	14	29	25	69	119	85	26	7.4	11	11
21	8.8	16	15	31	25	62	105	77	25	7.2	9.3	14
22	8.5	14	20	36	35	60	96	71	27	7.2	7.8	24
23	8.5	14	30	42	50	59	92	72	24	7.0	7.4	22
24	8.2	13	40	54	96	59	95	73	24	7.8	7.0	16
25	7.9	15	36	62	78	55	92	70	24	7.8	6.9	14
26	7.9	19	32	56	68	53	85	63	27	7.6	7.0	19
27	7.3	21	40	62	62	52	74	57	27	7.4	7.0	17
28	7.3	23	102	68	58	52	67	56	22	7.4	8.4	13
29	8.8	22	96	78	-----	47	64	57	27	7.0	12	13
30	15	21	82	86	-----	47	64	57	28	8.8	25	14
31	20	-----	71	68	-----	58	-----	52	-----	11	17	-----
TOTAL	291.9	473	931	1,315	1,165	2,814	3,891	2,279	912	351.9	329.3	495.9
MEAN	9.42	15.8	30.0	42.4	41.6	90.8	130	73.5	30.4	11.4	10.6	16.5
MAX	20	23	102	86	96	200	198	107	49	24	25	41
MIN	7.3	11	13	26	25	47	64	52	22	7.0	6.9	9.3
CFSM	.18	.30	.57	.81	.80	1.74	2.49	1.41	.58	.22	.20	.32
IN.	.21	.34	.66	.94	.83	2.01	2.77	1.62	.65	.25	.23	.35

CAL YR 1973 TOTAL 21,475.1 MEAN 58.8 MAX 419 MIN 7.3 CFSM 1.13 IN 15.30
WTR YR 1974 TOTAL 15,249.0 MEAN 41.8 MAX 200 MIN 6.9 CFSM .80 IN 10.87

PEAK DISCHARGE (BASE, 300 CFS).-- No peak above base.

SUSQUEHANNA RIVER BASIN

163

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) (revised) 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.--37 years, 72.5 ft³/s (2.053 m³/s) (14.74 in/yr (374.4 mm/yr)).

EXTREMES.--Current year: Maximum discharge, 865 ft³/s (24.5 m³/s) Apr. 4 (gage height, 4.15 ft (1.265 m)); maximum gage height, 5.52 ft (1.682 m) Dec. 27 (result of ice jam); minimum discharge 3.2 ft³/s (0.091 m³/s) Aug. 26-27 (gage height, 0.89 ft (0.271 m)).
Period of record: Maximum discharge, 5,110 ft³/s (145 m³/s) June 23, 1972 (gage height, 6.95 ft (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 good except those for winter periods, which are fair. Water-quality records for the current year are published in Part 2 of this report.

REVISIONS.--WRD N.Y. 1969: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.0	19	44	68	88	87	117	50	30	19	5.0	5.3
2	4.5	20	35	60	60	89	360	47	26	15	4.5	5.3
3	5.0	17	32	56	68	160	655	51	22	13	4.5	14
4	4.8	15	29	52	52	502	818	60	20	11	6.2	22
5	4.8	12	29	48	48	588	538	48	19	9.1	5.9	16
6	4.5	11	29	46	45	360	276	44	17	8.1	5.6	11
7	4.5	10	26	43	40	188	183	45	15	7.3	5.0	8.6
8	4.0	9.1	23	40	38	132	204	41	14	7.3	4.8	6.9
9	4.0	8.6	44	38	36	136	166	48	13	6.9	6.2	6.2
10	7.3	8.1	106	37	35	166	145	57	12	6.2	5.9	5.6
11	5.0	7.7	93	41	34	114	206	49	14	5.9	5.3	4.8
12	4.3	8.1	66	45	34	88	374	145	15	5.6	5.0	4.8
13	4.0	11	54	39	40	66	268	378	12	5.0	5.0	5.6
14	3.8	11	52	37	45	54	199	156	11	5.0	4.8	9.6
15	3.6	8.6	48	40	50	52	312	93	11	4.8	4.5	7.7
16	3.6	9.6	40	50	45	58	190	68	34	4.8	4.3	6.5
17	3.6	10	38	70	40	68	125	137	31	4.5	4.8	5.6
18	3.8	11	38	56	36	56	97	154	19	4.5	4.5	5.3
19	3.8	11	40	50	37	66	96	92	15	4.5	4.5	5.0
20	3.8	9.6	46	52	38	62	82	66	14	4.3	4.8	4.8
21	3.8	9.1	200	80	40	69	71	53	13	4.3	4.5	5.6
22	3.8	9.6	160	170	260	63	64	48	12	4.0	4.3	8.1
23	3.6	9.1	110	190	629	65	69	55	11	4.3	4.0	7.7
24	3.6	9.6	80	318	277	93	66	54	9.1	5.0	3.8	6.9
25	3.6	28	60	153	110	72	63	52	9.1	4.8	3.6	6.5
26	3.6	57	170	106	68	68	55	42	15	4.5	3.4	8.1
27	3.6	51	560	161	62	68	49	37	33	4.5	3.6	8.6
28	3.6	62	330	173	62	68	45	38	19	4.0	3.6	7.7
29	4.5	59	156	228	-----	57	41	38	27	5.3	5.3	6.9
30	28	55	109	158	-----	57	40	39	24	6.9	6.5	7.3
31	25	-----	80	116	-----	85	-----	33	-----	5.9	5.6	-----
TOTAL	173.4	576.8	2,927	2,821	2,417	3,857	5,974	2,318	536.2	205.3	149.3	234.0
MEAN	5.59	19.2	94.4	91.0	86.3	124	199	74.8	17.9	6.62	4.82	7.80
MAX	28	62	560	318	629	588	818	378	34	19	6.5	22
MIN	3.6	7.7	23	37	34	52	40	33	9.1	4.0	3.4	4.8
CFSM	.08	.29	1.41	1.36	1.29	1.86	2.98	1.12	.27	.10	.07	.12
IN.	.10	.32	1.63	1.57	1.35	2.15	3.33	1.29	.30	.11	.08	.13
CAL YR 1973	TOTAL 25,021.4 MEAN 68.6 MAX 760 MIN 2.2 CFSM 1.03 IN 13.93											
WTR YR 1974	TOTAL 22,189.0 MEAN 60.8 MAX 818 MIN 3.4 CFSM .91 IN 12.36											

PEAK DISCHARGE (BASE, 880 CFS).--No peak above base.

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.--8 years, 24.2 ft³/s (0.685 m³/s).

EXTREMES.--Current year: Maximum discharge, 55 ft³/s (1.56 m³/s) Apr. 3-5, 17-19; 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.

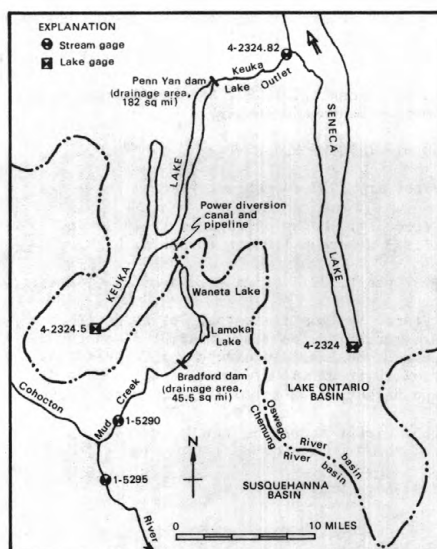


Figure 6.--Gaging stations and transbasin diversions, Cohocton River-Keuka Lake area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			0	0	36	42	42	42				
2			0	0	36	42	42	42				
3			0	24	36	42	55	37				
4			0	38	37	42	55	37				
5			0	35	37	42	55	37				
6			0	35	37	42	48	39				
7			0	39	37	42	48	39				
8			0	39	38	48	48	39				
9			0	39	38	48	48	39				
10			0	39	38	48	42	39				
11			0	39	38	48	42	39				
12			0	39	38	48	42	39				
13			0	39	36	48	42	40				
14			0	35	36	48	42	40				
15			0	35	35	48	48	42				
16			0	35	35	48	48	42				
17			0	35	35	48	55	42				
18			0	35	35	48	55	42				
19			0	35	35	48	55	40				
20			0	35	35	48	48	40				
21			0	35	35	48	48	40				
22			0	35	35	42	48	20				
23			0	35	35	42	42	24				
24			0	36	35	42	42	42				
25			0	36	35	42	42	40				
26			0	36	35	42	42	40				
27			23	16	35	42	42	40				
28			21	24	35	42	42	40				
29			0	42	-----	42	42	37				
30			0	39	-----	42	42	35				
31		-----	0	39	-----	42	-----	18	-----			-----
TOTAL	0	0	44	1,023	1,008	1,386	1,392	1,172	0	0	0	0
MEAN	0	0	1.42	33.0	36.0	44.7	46.4	37.8	0	0	0	0
MAX	0	0	23	42	38	48	55	42	0	0	0	0
MIN	0	0	0	0	35	42	42	18	0	0	0	0
CAL YR 1973	TOTAL 7,016.00		MEAN 19.2	MAX 63	MIN 0							
WTR YR 1974	TOTAL 6,025.00		MEAN 16.5	MAX 55	MIN 0							

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.--37 years (1937-74), 41.1 ft³/s (1.16 m³/s) unadjusted.

EXTREMES.--Current year: Maximum discharge, 295 ft³/s (8.35 m³/s) Apr. 17 (gage height, 3.05 ft or 0.930 m); minimum, 2.0 ft³/s (0.0566 m³/s) Aug. 22, 23, 24-27, Sept. 28-30; minimum gage height, 0.67 ft (0.204 m) Aug. 22, 23, 24-27.

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 curve 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 Lamoka-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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.0	9.2	14	33	33	50	72	34	16	13	3.2	3.0
2	4.2	9.2	11	25	22	47	133	27	14	20	3.0	2.8
3	5.2	8.3	9.2	21	28	68	174	30	13	11	3.0	8.8
4	5.5	7.4	9.2	18	25	120	210	34	14	6.6	4.2	13
5	5.2	6.2	9.7	16	22	151	195	26	19	5.5	4.8	5.5
6	4.2	5.2	11	14	20	106	217	25	10	5.2	3.7	3.7
7	4.0	4.8	11	13	19	69	234	27	8.3	7.0	3.2	3.4
8	4.0	4.5	9.7	12	18	58	240	24	7.8	7.4	3.0	3.0
9	3.7	4.5	16	12	17	96	240	29	7.4	4.5	3.4	3.0
10	3.7	4.2	49	13	16	108	231	36	8.3	4.0	3.4	2.8
11	3.7	4.2	44	14	17	92	160	30	8.7	4.0	4.2	2.8
12	3.4	4.2	30	13	18	49	157	58	20	4.0	8.7	3.0
13	3.4	4.2	21	13	18	34	142	152	12	4.2	5.5	3.0
14	3.4	4.0	22	13	20	33	109	86	7.4	4.0	3.2	3.4
15	3.7	4.5	20	14	18	27	247	48	7.8	3.7	2.3	3.2
16	3.7	6.6	14	19	15	32	265	39	30	3.7	2.3	3.0
17	3.7	7.0	8.8	23	14	41	288	64	20	3.7	3.2	3.0
18	4.0	5.9	11	17	16	45	269	80	12	3.4	5.9	2.8
19	4.0	5.2	11	18	16	38	262	45	8.7	3.4	3.2	2.8
20	4.0	4.5	14	18	18	36	133	35	7.8	3.2	2.3	2.8
21	4.0	4.5	150	27	22	37	53	30	7.4	3.2	2.3	3.4
22	4.0	4.2	146	88	98	41	45	27	9.7	3.2	2.2	4.2
23	4.0	4.2	61	92	220	37	45	28	8.3	3.2	2.2	3.7
24	4.0	4.5	40	130	94	66	42	31	6.6	4.0	2.0	3.0
25	3.7	6.6	30	70	35	45	37	30	8.3	4.0	2.0	2.3
26	3.7	12	59	52	36	39	33	24	16	3.7	2.0	2.3
27	3.7	13	166	69	27	41	29	22	14	3.4	2.2	2.2
28	4.0	14	123	74	30	38	27	22	10	3.2	2.5	2.0
29	5.2	20	63	79	-----	32	25	22	17	3.2	3.7	2.0
30	18	17	50	60	-----	34	25	22	14	3.7	4.2	2.2
31	14	-----	38	44	-----	58	-----	18	-----	3.4	3.4	-----
TOTAL	149.0	213.8	1,271.6	1,124	952	1,768	4,339	1,205	363.5	159.7	104.4	106.1
MEAN	4.81	7.13	41.0	36.3	34.0	57.0	145	38.9	12.1	5.15	3.37	3.54
MAX	18	20	166	130	220	151	288	152	30	20	8.7	13
MIN	3.4	4.0	8.8	12	14	27	25	18	6.6	3.2	2.0	2.0

CAL YR 1973 TOTAL 13,669.4 MEAN 37.5 MAX 416 MIN 2.5
WTR YR 1974 TOTAL 11,756.1 MEAN 32.2 MAX 288 MIN 2.0

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

SUSQUEHANNA RIVER BASIN

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.--56 years, 443 ft³/s (12.55 m³/s).

EXTREMES.--Current year: Maximum discharge, 3,510 ft³/s (99.4 m³/s) Feb. 22 (gage height, 4.51 ft (1.375 m)); minimum, 38 ft³/s (1.08 m³/s) Aug. 25, 26, 27 (gage height, 0.15 ft (0.046 m)).

Period of record: Maximum discharge, 41,100 ft³/s (1,160 m³/s) July 8, 1935 (gage height, 11.6 ft (3.54 m), from floodmarks), 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 good except those for winter periods, which are 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	64	155	208	460	580	540	656	441	265	192	70	81
2	67	166	186	340	350	520	1,670	391	238	171	64	81
3	76	147	171	320	390	780	2,210	431	218	150	60	177
4	70	132	166	300	340	2,130	2,800	457	201	140	81	253
5	70	120	166	280	320	2,550	2,160	391	192	128	120	147
6	72	113	166	250	300	1,820	1,620	372	177	118	90	111
7	70	104	152	230	280	1,300	1,320	376	166	111	74	92
8	69	98	145	210	270	880	1,380	348	157	108	64	81
9	67	96	192	200	260	940	1,240	395	152	100	74	74
10	66	94	457	210	250	1,000	1,140	441	150	94	88	69
11	64	92	410	220	240	820	1,280	391	166	88	76	63
12	61	90	300	230	240	680	1,930	819	163	85	70	60
13	60	90	240	200	250	460	1,690	1,710	152	81	64	61
14	61	92	250	200	270	430	1,510	972	137	77	58	98
15	60	90	220	230	290	420	2,470	701	145	76	54	86
16	64	102	190	250	270	420	1,600	571	386	70	52	74
17	57	111	160	280	240	480	1,320	1,140	286	67	55	64
18	61	111	150	220	220	420	1,120	1,070	205	67	69	61
19	64	108	150	220	230	450	1,070	748	171	67	74	64
20	64	104	210	240	240	420	862	600	157	63	70	63
21	63	100	1,100	340	260	447	662	513	147	60	63	74
22	61	100	740	740	1,300	409	594	452	166	60	57	111
23	58	96	540	800	2,200	421	606	468	145	61	52	100
24	58	98	400	1,300	1,110	593	582	468	132	70	46	85
25	57	132	340	820	700	440	547	436	135	72	44	77
26	55	228	480	560	520	410	485	372	174	69	42	83
27	55	231	1,900	820	420	420	436	335	242	66	42	86
28	55	253	1,400	910	400	420	400	326	177	61	55	79
29	64	257	800	1,060	-----	372	376	317	245	63	74	76
30	317	238	680	828	-----	385	367	321	221	120	120	85
31	201	-----	520	701	-----	559	-----	282	-----	79	96	-----
TOTAL	2,351	3,948	13,189	13,969	12,740	22,336	36,103	17,055	5,668	2,834	2,118	2,716
MEAN	75.8	132	425	451	455	721	1,203	550	189	91.4	68.3	90.5
MAX	317	257	1,900	1,300	2,200	2,550	2,800	1,710	386	192	120	253
MIN	55	90	145	200	220	372	367	282	132	60	42	60

CAL YR 1973 TOTAL 160,287 MEAN 439 MAX 4,090 MIN 55
WTR YR 1974 TOTAL 135,027 MEAN 370 MAX 2,800 MIN 42

PEAK DISCHARGE (BASE, 4,200 CFS).-- No peak above base.

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) (revised) above mean sea level (revised based on USC & GS bench mark).

AVERAGE DISCHARGE.--36 years, 86.6 ft³/s (2.453 m³/s) (15.17 in/yr or 385.3 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,800 ft³/s (51.0 m³/s) Feb. 22 (gage height, 11.28 ft or 3.438 m); minimum discharge, 6.4 ft³/s (0.18 m³/s) Aug. 18; minimum gage height, 4.74 ft (1.445 m) June 9, Aug. 18.

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.

REVISIONS (WATER YEARS).--WSP 1502: 1956. WRD N.Y. 1969: Drainage area. Revised figures of discharge, in cubic feet per second, for water year 1973, superseding those published in WRD N.Y. 1973, are given herewith:

DISCHARGE IN CUBIC FEET PER SECOND, 1973

Date	Discharge	Date	Discharge	Date	Discharge	Date	Discharge	Date	Discharge
Mar. 2	43	Mar. 7	140	Mar. 12	86	Mar. 17	1,370	Mar. 22	156
3	136	8	147	13	78	18	811	23	123
4	403	9	102	14	176	19	457		
5	258	10	88	15	162	20	291		
6	180	11	86	16	118	21	211		

Month	cfs-days	Mean	Maximum	Minimum	cfsm	Inches
March 1973	6,727	217	1,370	35	2.80	3.23
WTR YR 1973	39,684	109	1,370	12	1.41	19.05

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	78	56	112	108	102	251	76	24	38	15	18
2	38	66	51	90	68	94	593	62	21	27	13	20
3	39	59	50	84	58	141	414	66	20	23	15	59
4	33	53	48	77	52	267	479	69	20	21	14	35
5	29	49	110	62	48	302	271	57	18	19	16	26
6	28	46	130	64	48	186	191	58	17	17	20	22
7	26	45	90	61	50	144	146	64	18	16	20	20
8	26	43	80	50	54	126	151	56	15	14	24	18
9	25	41	180	46	48	194	146	60	17	13	27	17
10	26	38	170	46	46	235	153	99	31	12	22	16
11	26	37	130	48	45	130	291	76	34	11	12	16
12	24	38	110	49	45	100	538	340	31	11	13	16
13	23	37	100	42	47	78	426	412	30	10	17	25
14	24	36	110	46	60	76	356	164	33	10	17	35
15	25	31	80	50	50	66	717	111	42	14	13	22
16	24	47	56	54	47	82	273	86	95	12	7.7	18
17	24	47	35	64	45	114	179	93	70	11	10	17
18	25	42	70	44	44	80	140	86	36	10	7.7	17
19	24	41	90	45	46	89	141	57	23	10	11	17
20	23	40	170	48	70	87	112	45	20	9.2	18	18
21	22	38	900	150	68	108	95	40	18	9.0	19	42
22	22	38	316	210	960	125	90	35	17	8.4	18	45
23	21	37	201	430	650	180	91	38	15	8.6	17	33
24	21	37	139	230	196	200	87	37	15	23	18	25
25	20	60	96	140	130	100	79	32	17	15	15	23
26	20	83	430	130	96	92	71	28	27	11	16	24
27	19	71	916	310	72	83	65	26	31	11	20	23
28	19	81	387	230	86	77	60	26	26	10	27	21
29	29	81	227	210	-----	69	57	28	40	14	26	36
30	305	64	182	150	-----	76	58	29	33	19	31	38
31	99	-----	126	138	-----	155	-----	26	-----	19	23	-----
TOTAL	1,145	1,504	5,836	3,510	3,337	3,958	6,721	2,482	854	456.2	542.4	762
MEAN	36.9	50.1	188	113	110	128	224	80.1	28.5	14.7	17.5	25.4
MAX	305	83	916	430	960	302	717	412	95	38	31	59
MIN	19	31	35	42	44	66	57	26	15	8.4	7.7	16
CFSM	.48	.65	2.43	1.46	1.54	1.65	2.89	1.03	.37	.19	.23	.33
IN.	.55	.72	2.80	1.68	1.60	1.90	3.23	1.19	.41	.22	.26	.37

CAL YR 1973 TOTAL 34,979.0 MEAN 95.8 MAX 1,070 MIN 12 CFSM 1.24 IN 16.79
WTR YR 1974 TOTAL 31,107.6 MEAN 85.2 MAX 960 MIN 7.7 CFSM 1.10 IN 14.93

PEAK DISCHARGE (BASE, 1,200 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-21	0830	9.88	1,350	4-15	0130	10.22	1,460
12-27	0245	9.92	1,360	5-12	2300	9.80	1,330
2-22	2115	11.28	1,800				

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 10 mi (16 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.--68 years (1905-13, 1914-74), 2,494 ft³/s (70.63 m³/s) (13.51 in/yr or 343.2 mm/yr).

EXTREMES.--Current year: Maximum discharge, 29,400 ft³/s (833 m³/s) Feb. 23 (gage height, 13.11 ft or 3.996 m); minimum, 186 ft³/s (5.27 m³/s) Aug. 26 (gage height, 3.63 ft or 1.106 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.

REVISIONS (WATER YEARS).--WSP 891: 1935-39. WSP 1432: 1904, 1907, 1915. WRD N.Y. 1969: Drainage area. Revised figures of discharge, in cubic feet per second, for water year 1973, superseding those published in WRD N.Y. 1973, are given herewith:

DISCHARGE, IN CUBIC FEET PER SECOND, 1973

Date	Discharge	Date	Discharge	Date	Discharge	Date	Discharge	Date	Discharge	Date	Discharge
Oct. 1	452	Oct. 6	404	Oct. 11	727	Oct. 16	469	Oct. 21	396	Oct. 26	620
2	532	7	469	12	620	17	444	22	412	27	590
3	523	8	1,250	13	560	18	420	23	436	28	550
4	469	9	1,360	14	523	19	420	24	487	29	560
5	420	10	984	15	514	20	404	25	580	30	590
										31	727

Month	cfs-days	Mean	Maximum	Minimum	cfsm	Inches
October 1972	17,912	578	1,360	396	0.23	0.27
CAL YR 1972	1,803,498	4,928	159,000	298	1.97	26.77
WTR YR 1973	1,168,543	3,201	33,000	317	1.28	17.35

SUSQUEHANNA RIVER BASIN

01531000 CHEMUNG RIVER AT CHEMUNG, N.Y.--CONTINUED

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	496	2,360	1,930	4,120	5,000	3,320	4,980	2,390	1,220	5,070	472	480
2	469	2,000	1,680	3,500	4,160	3,770	9,920	2,020	1,130	3,790	384	412
3	496	1,750	1,490	2,900	3,540	3,590	18,500	2,320	1,040	2,190	342	504
4	505	1,440	1,350	2,700	3,100	7,100	15,900	2,190	932	1,620	335	1,790
5	560	1,260	1,630	2,150	2,400	12,600	13,300	1,950	845	1,250	335	1,570
6	532	1,060	4,090	1,800	2,000	11,600	8,760	1,950	773	1,030	472	889
7	590	997	2,840	1,600	2,000	7,100	6,770	2,100	695	889	448	663
8	523	920	2,160	1,500	1,900	5,700	5,930	1,800	631	780	384	544
9	487	857	3,060	1,400	1,900	8,440	5,870	1,780	591	690	342	480
10	452	796	7,980	1,600	1,800	11,400	5,920	2,030	562	618	314	440
11	436	761	5,480	1,800	1,700	7,670	11,800	2,240	652	568	314	405
12	420	717	3,920	1,600	1,700	5,840	12,000	2,430	820	520	321	377
13	396	684	3,130	1,400	2,200	4,620	9,620	13,200	662	480	307	349
14	373	662	2,840	1,300	2,200	3,630	20,000	4,700	571	448	363	356
15	359	652	2,640	1,300	2,000	3,240	10,900	4,130	514	426	268	384
16	366	695	2,050	1,600	1,800	3,030	7,280	3,480	784	412	248	412
17	352	857	1,600	2,000	1,700	3,600	5,730	3,430	2,230	426	242	370
18	338	1,020	1,500	2,100	1,600	2,500	5,350	5,590	1,430	398	261	335
19	345	869	1,600	1,800	1,500	2,700	5,220	3,780	997	363	242	314
20	352	808	3,100	2,000	1,500	2,500	4,130	2,800	784	342	268	314
21	352	761	17,000	2,500	1,700	2,800	3,580	2,360	662	328	314	398
22	338	706	12,300	6,600	4,700	3,580	3,480	2,090	641	321	287	627
23	331	684	6,730	8,540	23,600	3,260	3,500	1,930	571	314	261	1,050
24	331	662	4,880	15,200	9,240	3,890	3,280	2,030	505	398	230	710
25	324	750	4,020	7,740	5,740	3,260	2,880	1,910	505	419	208	576
26	304	1,700	5,320	6,080	4,000	2,700	2,510	1,720	610	350	196	512
27	292	2,230	21,200	6,350	3,200	2,560	2,240	1,540	1,760	398	196	488
28	292	2,070	15,500	8,640	3,200	2,410	2,070	1,410	1,780	363	224	472
29	304	2,660	8,610	8,680	-----	2,240	1,910	1,400	1,700	335	235	456
30	3,960	2,280	6,580	7,310	-----	2,150	2,120	1,460	2,390	384	321	440
31	4,700	-----	5,030	5,900	-----	2,460	-----	1,400	-----	488	398	-----
TOTAL	20,375	35,668	163,240	123,710	101,080	145,260	215,450	85,560	28,987	26,408	9,532	17,117
MEAN	657	1,189	5,266	3,991	3,610	4,686	7,182	2,760	966	852	307	571
MAX	4,700	2,660	21,200	15,200	23,600	12,600	20,000	13,200	2,390	5,070	472	1,790
MIN	292	652	1,350	1,300	1,500	2,150	1,910	1,400	505	314	196	314
CFSM	.26	.47	2.10	1.59	1.44	1.87	2.87	1.10	.39	.34	.12	.23
IN.	.30	.53	2.42	1.84	1.50	2.16	3.20	1.27	.43	.39	.14	.25

CAL YR 1973 TOTAL 1,005,013 MEAN 2,753 MAX 29,400 MIN 292 CFSM 1.10 IN 14.92
WTR YR 1974 TOTAL 972,387 MEAN 2,664 MAX 23,600 MIN 196 CFSM 1.06 IN 14.43

PEAK DISCHARGE (BASE, 30,000 CFS) .--No peak above base.

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).

ALLEGHENY RIVER BASIN

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.--71 years, 2,766 ft³/s (78.33 m³/s) (23.36 in/yr (593.3 mm/yr)).

EXTREMES.--Current year: Maximum discharge, 17,900 ft³/s (507 m³/s) Apr. 4 (gage height, 10.34 ft (3.152 m)); minimum, 188 ft³/s (5.32 m³/s) Aug. 26-27 (gage height, 3.03 ft (0.924 m)).

Period of record: Maximum discharge, 73,000 ft³/s (2,070 m³/s) June 23, 1972 (gage height, 24.01 ft (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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	440	6,450	4,610	5,490	5,430	3,810	7,610	2,990	1,530	8,130	490	984
2	408	6,300	3,860	4,170	4,400	3,790	11,700	2,880	1,610	7,870	408	970
3	432	5,060	3,340	3,480	3,810	4,320	15,700	2,700	1,230	7,060	490	2,830
4	456	3,920	3,030	3,100	3,320	9,780	17,300	2,880	1,030	5,550	1,240	6,330
5	550	3,200	2,880	2,400	2,790	13,200	16,000	2,630	900	3,680	2,310	4,040
6	530	2,790	2,940	2,200	2,400	11,800	13,700	2,770	816	2,770	1,420	2,650
7	540	2,520	2,610	2,000	2,100	8,880	11,600	2,940	740	2,220	852	2,000
8	456	2,320	2,270	1,800	1,900	7,460	10,400	2,680	680	1,770	640	1,580
9	520	2,220	2,160	1,500	1,700	9,030	8,040	2,790	640	1,470	590	1,280
10	440	2,020	2,790	1,400	1,600	10,500	6,390	3,040	610	1,240	570	1,050
11	400	1,790	2,920	1,300	1,600	9,750	5,950	2,880	690	1,070	480	888
12	376	1,660	2,580	1,200	1,700	9,090	6,620	4,690	710	928	416	804
13	352	1,710	2,380	1,100	1,760	7,520	6,850	12,700	590	804	400	928
14	360	1,860	2,410	1,000	1,980	5,520	7,170	10,700	510	720	490	1,680
15	344	1,820	2,310	1,300	1,640	4,120	10,900	8,390	490	970	368	1,280
16	344	2,230	1,930	1,600	1,360	4,090	10,300	6,420	1,770	1,210	312	900
17	392	2,490	1,630	2,050	1,390	4,840	8,620	5,000	3,830	900	288	740
18	610	2,230	1,100	1,910	1,310	3,790	6,620	4,870	2,770	670	312	750
19	670	2,020	1,710	2,680	1,260	3,580	5,900	3,770	1,980	610	368	750
20	600	1,870	2,090	3,360	1,360	3,300	5,170	3,040	1,600	580	328	740
21	520	1,720	6,510	3,700	1,400	3,160	4,140	2,630	1,320	530	272	1,010
22	448	1,680	7,090	6,970	3,600	3,040	3,720	2,270	1,150	464	256	3,040
23	440	1,640	6,360	8,100	11,300	2,790	4,370	2,070	1,030	448	225	2,860
24	440	1,610	5,610	11,100	8,300	3,140	4,270	2,070	852	500	240	2,220
25	456	2,500	4,120	9,060	6,010	2,920	3,860	1,930	760	530	210	1,860
26	440	4,500	6,480	7,400	4,480	2,670	3,440	1,640	1,170	480	195	1,660
27	408	4,170	14,300	6,770	3,560	2,580	3,080	1,450	2,540	510	240	1,470
28	416	4,530	14,300	7,350	3,320	2,500	2,810	1,310	1,930	720	464	1,260
29	720	5,840	11,700	7,750	-----	2,360	2,650	1,390	2,050	530	710	1,370
30	6,100	5,350	9,990	7,140	-----	2,410	2,560	1,520	2,740	650	1,440	1,640
31	6,680	-----	7,640	6,330	-----	8,480	-----	1,310	-----	590	1,080	-----
TOTAL	26,288	90,020	145,650	126,710	86,780	174,220	227,440	110,350	40,268	56,174	18,104	51,564
MEAN	848	3,001	4,698	4,087	3,099	5,620	7,581	3,560	1,342	1,812	584	1,719
MAX	6,680	6,450	14,300	11,100	11,300	13,200	17,300	12,700	3,830	8,130	2,310	6,330
MIN	344	1,610	1,100	1,000	1,260	2,360	2,560	1,310	490	448	195	740
CFSM	.53	1.87	2.92	2.54	1.93	3.50	4.71	2.21	.83	1.13	.36	1.07
IN.	.61	2.08	3.37	2.93	2.01	4.03	5.26	2.55	.93	1.30	.42	1.19

CAL YR 1973 TOTAL 968,794 MEAN 2,654 MAX 18,600 MIN 259 CFSM 1.65 IN 22.41
WTR YR 1974 TOTAL 1,153,568 MEAN 3,160 MAX 17,300 MIN 195 CFSM 1.97 IN 26.69

PEAK DISCHARGE (BASE 17,000 CFS).--APR. 4 (1800) 17,900 CFS (10.34 FT).

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.--36 years, 510 ft³/s (14.44 m³/s) (23.88 in/yr (606.6 mm/yr)).

EXTREMES.--Current year: Maximum discharge, 2,590 ft³/s (73.3 m³/s) Mar. 7 (gage height, 8.66 ft (2.640 m)); minimum, 32 ft³/s (0.906 m³/s) Aug. 27 (gage height, 3.21 ft (0.978 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 poor. Water-quality records for the current year are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	422	1,260	1,060	691	884	1,320	663	320	329	47	89
2	47	607	1,010	823	517	950	1,770	597	287	268	44	84
3	53	531	771	574	437	1,200	2,160	522	249	198	44	212
4	60	447	564	447	360	1,720	2,410	560	226	146	71	325
5	101	353	480	372	320	2,220	2,520	489	207	123	95	231
6	132	292	513	362	310	2,510	2,390	616	189	111	74	138
7	116	254	456	343	300	2,580	2,080	719	175	101	60	104
8	98	226	404	306	290	2,500	1,860	578	161	89	51	87
9	84	207	381	306	270	2,370	1,670	607	157	84	58	76
10	73	198	442	301	260	2,170	1,440	621	146	79	60	69
11	70	184	437	296	270	1,860	1,340	536	134	76	53	62
12	65	184	381	292	273	1,460	1,400	1,050	123	69	49	60
13	57	212	357	263	287	1,130	1,360	1,790	120	69	45	71
14	57	231	513	268	329	884	1,250	1,970	114	66	45	87
15	57	216	531	287	306	635	1,280	1,920	111	66	40	74
16	57	433	404	306	282	621	1,180	1,540	170	66	39	60
17	68	564	325	400	282	809	1,000	1,260	207	64	44	53
18	98	484	296	419	259	635	809	1,330	170	64	45	64
19	113	409	268	705	254	644	766	1,220	134	64	47	66
20	113	376	372	785	296	606	733	879	127	60	47	62
21	101	334	1,200	1,030	315	588	578	531	117	56	42	76
22	89	310	1,160	1,370	865	503	498	409	111	53	39	153
23	81	287	1,070	1,470	1,540	480	771	381	101	53	36	157
24	76	292	870	1,560	1,630	484	903	372	92	60	38	120
25	78	560	630	1,400	1,550	461	1,030	357	101	58	35	98
26	68	790	1,230	1,140	1,250	466	1,010	329	240	53	33	89
27	65	813	1,750	1,020	940	428	860	301	249	51	42	82
28	63	1,110	1,930	926	743	423	639	287	175	49	84	95
29	81	1,270	1,930	987	-----	414	503	310	161	47	89	146
30	328	1,330	1,750	950	-----	489	484	362	221	53	95	240
31	368	-----	1,340	846	-----	1,070	-----	329	-----	53	76	-----
TOTAL	2,967	13,926	25,025	21,614	15,426	34,194	38,014	23,435	5,095	2,778	1,667	3,330
MEAN	95.7	464	807	697	551	1,103	1,267	756	170	89.6	53.8	111
MAX	368	1,330	1,930	1,560	1,630	2,580	2,520	1,970	320	329	95	325
MIN	47	184	268	263	254	414	484	287	92	47	33	53
CFSM	.33	1.60	2.78	2.40	1.90	3.80	4.37	2.61	.59	.31	.19	.38
IN.	.38	1.79	3.21	2.77	1.98	4.39	4.88	3.01	.65	.36	.21	.43

CAL YR 1973 TOTAL 167,323 MEAN 458 MAX 2,250 MIN 47 CFSM 1.58 IN 21.46
WTR YR 1974 TOTAL 187,471 MEAN 514 MAX 2,580 MIN 33 CFSM 1.77 IN 24.05

PEAK DISCHARGE (BASE, 2,300 CFS)

DATE	TIME	G.H.	DISCHARGE	DATE	TIME	G.H.	DISCHARGE
3-07	1000	8.66	2,590	4-05	0800	8.53	2,540

ALLEGHENY RIVER BASIN

03013800 BALL CREEK AT STOW, N.Y.

LOCATION.--Lat 42°09'15", long 79°24'25", Chautauqua County, on left bank 75 ft (23 m) upstream from bridge on State Highway 17J at Stow, 0.4 mi (0.6 km) upstream from mouth, 0.9 mi (1.4 km) southwest of Bemus Point, and 5.1 miles (8.2 km) southeast of Mayville.

DRAINAGE AREA.--9.06 mi² (23.5 km²).

PERIOD OF RECORD.--Occasional discharge measurements, water years 1957-60, 62-64. October 1973 to September 1974 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 1,300.00 ft (396.240 m) above mean sea level.

EXTREMES.--Current year: Maximum discharge, 869 ft³/s (24.6 m³/s) Feb. 22 (gage height, 16.71 ft (5.093 m)); no flow Aug. 15-27, 29.
Period of record: Maximum discharge, 869 ft³/s (24.6 m³/s) Feb. 22, 1974 (gage height, 16.71 ft (5.093 m)); no flow Aug. 15-27, 29, 1974.

REMARKS.--Records fair except those for winter periods and those for periods of no gage-height record, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.30	37	22	13	12	91	82	4.8	3.4	20	.10	1.2
2	.30	21	14	9.6	9.6	59	274	3.6	3.0	5.2	.20	1.0
3	.20	19	9.6	9.0	9.0	126	59	3.4	2.2	2.4	.20	10
4	.30	9.0	8.2	8.2	6.6	255	107	3.0	2.0	1.8	.30	4.7
5	2.3	5.6	8.2	7.2	4.7	252	26	4.8	2.0	1.6	.20	2.4
6	1.6	4.2	9.2	6.2	3.8	54	16	6.8	1.8	1.4	.10	1.6
7	1.2	3.8	8.0	5.6	3.8	34	28	4.6	1.4	1.2	.10	1.0
8	.55	3.8	6.6	4.2	3.4	95	18	3.4	1.2	.70	.20	.70
9	.98	4.7	6.4	4.2	3.0	89	13	4.4	1.2	.55	.20	.40
10	.70	3.8	8.4	4.2	3.0	52	16	3.0	.70	.55	.20	.20
11	.85	3.4	7.4	4.2	3.0	24	22	8.8	.55	.55	.10	.20
12	1.0	3.8	6.2	3.8	3.4	17	14	34	.40	.55	.10	.20
13	1.2	7.8	6.2	3.4	5.2	9.6	11	26	.55	.40	.10	.20
14	1.8	5.2	9.2	3.8	9.0	7.2	14	16	.55	.85	.10	.20
15	1.2	10	7.6	5.2	6.6	6.2	9.0	11	.55	.70	0	.40
16	1.4	35	5.4	10	5.2	47	6.4	12	1.0	.55	0	.55
17	1.8	20	4.7	30	4.7	27	4.8	16	.70	.55	0	.30
18	2.0	12	4.2	21	4.7	17	5.6	12	.70	.40	0	.30
19	2.2	8.8	3.8	77	5.6	21	4.8	7.2	.70	.30	0	.30
20	2.0	7.2	72	45	9.6	20	4.2	5.2	.55	.30	0	.40
21	1.4	6.2	74	143	15	17	3.6	3.8	.70	.30	0	1.0
22	1.0	5.6	32	72	296	13	5.8	4.2	.55	.30	0	4.3
23	1.0	5.2	19	112	100	13	10	4.2	.55	.30	0	3.0
24	1.6	7.0	12	55	42	12	16	5.2	.55	.30	0	1.8
25	1.0	15	23	26	28	12	12	3.8	.40	.20	0	1.0
26	1.4	16	193	18	21	12	6.6	3.0	1.8	.10	0	.85
27	1.4	13	166	35	20	12	4.2	3.0	2.0	.10	0	.70
28	.85	20	48	30	23	12	3.4	2.4	1.4	.10	.10	1.0
29	5.8	41	28	57	-----	13	3.2	5.2	3.9	.20	0	2.4
30	18	32	23	29	-----	30	6.0	4.2	13	.20	.20	23
31	16	-----	16	20	-----	106	-----	3.0	-----	.20	.20	-----
TOTAL	73.33	386.1	861.3	871.8	660.9	1,555.0	805.6	232.0	50.00	42.85	2.70	65.30
MEAN	2.37	12.9	27.8	28.1	23.6	50.2	26.9	7.48	1.67	1.38	.087	2.18
MAX	18	41	193	143	296	255	274	34	13	20	.30	23
MIN	.20	3.4	3.8	3.4	3.0	6.2	3.2	2.4	.40	.10	0	.20
CFSM	.26	1.42	3.07	3.10	2.60	5.54	2.97	.83	.18	.15	.010	.24
IN.	.30	1.59	3.54	3.58	2.71	6.38	3.31	.95	.21	.18	.01	.27

WTR YR 1974 TOTAL 5,606.88 MEAN 15.4 MAX 296 MIN 0 CFSM 1.70 IN 23.02

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LOCATION.--Lat 42°14'20", long 79°29'50", Chautauqua County, on right bank of outlet of Mud Creek, 25 ft (8 m) upstream from bridge on State Highway 17J, 0.1 mi (0.2 km) from lake, and 1 mi (2 km) south of Mayville.

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

GAGE.--Water-stage recorder. Datum of gage is 1,300.00 ft (396.240 m) above mean sea level. Prior to Dec. 21, 1956, nonrecording gage at site near mouth of Big Inlet at same datum.

EXTREMES.--Current year: Maximum gage height, 9.34 ft (2.847 m) Mar. 9; minimum, 7.19 ft (2.192 m) Feb. 22.
Period of record: Maximum daily gage height, 10.65 ft (3.246 m) Mar. 9, 1956; minimum daily, 6.29 ft (1.917 m) Nov. 17, 1953.

REMARKS.--Lake regulated for flood control by Warner Dam. Area of water surface, 20.9 mi² (54.1 km²).

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.70	7.76	8.47	8.16	8.00	8.00	8.23	8.35	8.35	8.41	7.91	7.96
2	7.69	7.86	8.45	8.10	7.99	8.06	8.74	8.42	8.35	8.41	7.91	7.96
3	7.68	7.86	8.36	8.03	7.94	8.17	8.98	8.42	8.34	8.41	7.91	8.02
4	7.68	7.88	8.29	7.96	7.88	8.53	9.06	8.41	8.34	8.40	7.97	8.05
5	7.69	7.87	8.22	7.90	7.83	9.02	9.05	8.45	8.34	8.38	7.97	8.06
6	7.72	7.86	8.15	7.84	7.79	9.18	8.97	8.46	8.33	8.37	7.96	8.06
7	7.72	7.90	8.06	7.78	7.75	9.13	8.95	8.45	8.35	8.35	7.95	8.04
8	7.71	7.89	8.00	7.72	7.70	9.16	8.98	8.51	8.30	8.34	7.95	8.03
9	7.70	7.87	7.93	7.68	7.65	9.29	8.93	8.55	8.28	8.32	7.95	8.03
10	7.70	7.90	7.93	7.65	7.61	9.23	8.87	8.58	8.26	8.28	7.95	8.02
11	7.70	7.93	7.87	7.63	7.56	9.21	8.83	8.61	8.22	8.25	7.97	8.02
12	7.70	7.95	7.83	7.62	7.52	9.09	8.84	8.86	8.20	8.23	7.93	8.02
13	7.69	7.94	7.82	7.58	7.47	8.93	8.81	9.13	8.20	8.21	7.90	8.01
14	7.62	7.93	7.75	7.55	7.43	8.84	8.77	9.14	8.18	8.19	7.87	8.00
15	7.63	7.98	7.74	7.54	7.39	8.77	8.73	9.02	8.21	8.18	7.87	7.99
16	7.58	7.99	7.69	7.51	7.36	8.71	8.71	8.93	8.22	8.17	7.86	7.95
17	7.60	8.04	7.59	7.49	7.31	8.55	8.64	8.83	8.22	8.16	7.88	7.94
18	7.62	8.07	7.56	7.48	7.27	8.55	8.56	8.75	8.21	8.15	7.90	7.96
19	7.63	8.05	7.54	7.53	7.24	8.51	8.53	8.65	8.21	8.09	7.89	7.96
20	7.59	8.07	7.58	7.58	7.22	8.47	8.51	8.58	8.20	8.08	7.88	7.95
21	7.60	8.11	7.78	7.72	7.24	8.42	8.44	8.54	8.21	8.07	7.87	7.96
22	7.60	8.05	7.78	7.87	7.51	8.39	8.38	8.52	8.18	8.05	7.87	7.97
23	7.60	8.05	7.74	7.96	7.83	8.32	8.35	8.47	8.17	8.06	7.86	7.98
24	7.59	8.08	7.69	8.07	7.87	8.25	8.35	8.43	8.15	8.02	7.85	7.99
25	7.60	8.14	7.66	8.06	7.89	8.24	8.39	8.38	8.16	8.02	7.84	7.97
26	7.56	8.26	7.94	8.03	7.91	8.16	8.38	8.34	8.22	8.00	7.83	7.95
27	7.56	8.31	8.27	8.02	7.91	8.10	8.36	8.31	8.24	8.00	7.86	7.95
28	7.63	8.40	8.33	8.02	7.90	8.05	8.35	8.31	8.23	7.97	7.93	7.97
29	7.64	8.53	8.31	8.08	-----	8.07	8.34	8.34	8.27	7.99	7.95	7.95
30	7.71	8.52	8.27	8.09	-----	8.05	8.37	8.35	8.33	7.96	7.95	7.99
31	7.77	-----	8.22	8.04	-----	8.09	-----	8.37	-----	7.93	7.96	-----
MEAN	7.65	8.04	7.96	7.82	7.64	8.57	8.65	8.56	8.25	8.18	7.91	7.99
MAX	7.77	8.53	8.47	8.16	8.00	9.29	9.06	9.14	8.35	8.41	7.97	8.06
MIN	7.56	7.76	7.54	7.48	7.22	8.00	8.23	8.31	8.15	7.93	7.83	7.94</

CAL YR 1973	MEAN 8.10	MAX 8.89	MIN 7.53
WTR YR 1974	MEAN 8.10	MAX 9.29	MIN 7.22

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.--39 years (1935-74), 338 ft³/s (9.572 m³/s).

EXTREMES.--Current year: Maximum discharge, 1,180 ft³/s (33.4 m³/s) Mar. 9 (gage height, 3.18 ft (0.969 m)); minimum, 20 ft³/s (0.57 m³/s) Nov. 15 (gage height, 0.44 ft (0.134 m)).

Period of record: Maximum discharge, 2,050 ft³/s (58.1 m³/s) Apr. 5, 1947 (gage height, 4.56 ft (1.390 m)); minimum, 2.7 ft³/s (0.076 m³/s) Nov. 20, 1960 (gage height, 0.15 ft (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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	61	49	754	712	564	331	514	242	103	268	60	34
2	64	58	733	709	556	374	659	201	99	133	53	31
3	62	55	584	673	554	463	891	170	98	105	55	64
4	61	51	731	653	553	550	960	164	121	114	72	30
5	66	51	715	617	544	741	1,080	163	110	113	38	39
6	50	52	711	586	538	773	1,080	229	111	112	32	44
7	49	49	692	582	536	798	1,040	314	108	110	48	43
8	49	48	658	575	535	939	1,040	313	132	109	53	43
9	49	48	640	538	529	1,080	1,050	310	74	108	54	42
10	50	47	368	334	521	1,150	993	311	74	108	51	43
11	51	45	637	324	521	1,100	937	268	75	100	49	56
12	51	45	600	504	514	1,070	929	645	74	73	50	57
13	52	43	516	499	418	1,060	925	1,060	74	74	42	53
14	47	61	476	244	439	1,000	923	1,050	74	72	44	51
15	43	55	574	233	434	937	973	1,020	79	71	43	49
16	44	134	562	443	428	934	910	971	81	70	43	50
17	44	161	434	442	426	965	766	951	69	69	57	51
18	42	161	398	441	422	881	803	887	66	53	48	50
19	39	161	359	458	419	824	800	838	63	72	42	50
20	38	161	429	445	201	751	727	488	62	69	42	52
21	37	119	585	501	32	846	702	299	62	70	41	55
22	38	161	580	569	210	829	694	396	61	59	46	49
23	39	114	576	583	322	768	652	401	61	61	46	49
24	39	167	568	580	314	742	625	403	61	71	46	49
25	38	175	515	579	313	716	526	376	70	68	44	49
26	39	193	425	573	311	712	469	341	88	50	38	48
27	38	274	552	575	311	698	363	213	69	54	48	55
28	42	412	586	576	315	623	241	105	70	66	49	48
29	50	619	737	571	-----	586	242	102	98	58	43	44
30	44	768	734	573	-----	590	245	99	138	68	38	47
31	33	-----	726	576	-----	618	-----	103	-----	55	44	-----
TOTAL	1,449	4,537	18,155	16,268	11,780	24,449	22,759	13,433	2,525	2,683	1,459	1,425
MEAN	46.7	151	586	525	421	789	759	433	84.2	86.5	47.1	47.5
MAX	66	768	754	712	564	1,150	1,080	1,060	138	268	72	64
MIN	33	43	359	233	32	331	241	99	61	50	32	30

CAL YR 1973 TOTAL 115,967 MEAN 318 MAX 1,240 MIN 30
WTR YR 1974 TOTAL 120,922 MEAN 331 MAX 1,150 MIN 30

Lakes and reservoirs in Allegheny River basin

03012520 ALLEGHENY RESERVOIR.--Lat 41°50'17", long 79°00'15", Warren County, Pa., 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, 637,650 acre-ft (786 hm³) May 15 (elevation, 1,333.17 ft (406.350 m)); minimum, 182,450 acre-ft (225 hm³) Feb. 20 (elevation 1,282.63 ft (309.946 m)). Extremes for period of record: Maximum contents, 1,121,120 acre-ft (1,380 hm³) June 27, 1972 (elevation 1,362.20 ft (415.199 m); minimum (after first filling), 113,310 acre-ft (140 hm³) Jan. 26, 1968 (elevation 1,268.68 ft (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 (367.28 m) (invert of low level sluices) and 1,365.0 ft (416.05 m) (full pool). Dead storage is 128 acre-ft (158,000 m³). Minimum pool elevation, 1,240 ft (378 m) (capacity, 24,240 acre-ft (29.9 hm³)). Winter low-water pool elevation, 1,292 ft (393.8 m) (capacity, 239,780 acre-ft (296 hm³)). Summer low-water pool elevation, 1,328 ft (404.8 m) (capacity, 572,610 acre-ft (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.

03013990 Chautauqua Lake near Mayville, N.Y. (see station for daily mean gage heights).

MONTHEND ELEVATION AND CONTENTS AT 2400, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

Date	Elevation (feet)	Contents (acre- feet)	Change in Contents (equivalent in cfs)
03012520 ALLEGHENY RESERVOIR			
Sept. 30	1,323.11	515,800	-
Oct. 31	1,314.91	429,350	-1,410
Nov. 30	1,316.72	447,600	+307
Dec. 31	1,326.03	549,190	+1,650
CAL YR 1973			+162
Jan. 31	1,311.15	393,010	-2,540
Feb. 28	1,297.06	274,880	-2,130
Mar. 31	1,305.84	345,120	+1,140
Apr. 30	1,325.08	538,160	+3,240
May 31	1,326.92	559,680	+350
June 30	1,328.63	580,280	+346
July 31	1,328.44	577,960	-37.7
Aug. 31	1,326.50	554,730	-378
Sept. 30	1,328.61	580,030	+425
WTR YR 1974			+88.7

STREAMS TRIBUTARY TO LAKE ERIE

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.--34 years (1940-74), 714 ft³/s (20.22 m³/s) (22.44 in/yr (570.0 mm/yr)).

EXTREMES.--Current year: Maximum discharge, 11,000 ft³/s (312 m³/s) Apr. 2 (gage height, 8.29 ft (2.527 m)); minimum, 89 ft³/s (2.52 m³/s) Aug. 26-27 (gage height, 1.51 ft (0.460 m)).

Period of record: Maximum discharge, 34,600 ft³/s (980 m³/s) Mar. 7, 1956 (gage height, 14.14 ft (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.

REVISIONS.--The figures of maximum discharge for some water years have been revised, as shown in the following table. They supersede figures published in the water-supply papers indicated.

WSP	Water year	Date	Discharge (cfs)	Gage height (feet)
894, 1677	1940	Apr. 4, 1940	12,500	8.80
924, 1307, 1677	1941	Apr. 5, 1941	12,600	8.84
954, 1307, 1677	1942	Mar. 17, 1942	32,600	13.73

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.

REVISIONS.--WSP 1912: Drainage area. WRD N.Y. 1971: 1956(M). The figures of peak discharge for water years 1940-1942 have been revised as shown in the following table. They supersede figures published in WSP 894, 924, 954, 1307, 1677.

REVISED PEAK DISCHARGE.--1940: Dec. 3 (1500) 8,180 cfs (7.30 ft); Mar. 30 (2300) 9,650 cfs (7.84 ft); Mar. 31 (2000) 11,900 cfs (8.59 ft); Apr. 4 (2330) 12,500 cfs (8.80 ft); Apr. 9 (0045) 9,960 cfs (7.95 ft); Apr. 12 (0415) 8,900 cfs (7.57 ft); June 24 (0600) 8,730 cfs (7.51 ft).

1941: Dec. 13 (0215) 10,900 cfs (8.27 ft); Mar. 4 (0300) 7,920 cfs (7.20 ft); Apr. 5 (1230) 12,600 cfs (8.84 ft).

1942: Mar. 9 (1030) 18,900 cfs (10.66 ft); Mar. 17 (1445) 32,600 cfs (13.73 ft).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	122	1,010	1,240	620	740	1,250	2,380	908	528	307	126	157
2	122	1,010	822	560	560	1,010	8,620	705	442	243	119	137
3	124	933	690	500	460	3,070	4,960	698	398	223	112	540
4	124	571	611	460	390	5,720	3,850	756	365	199	280	498
5	370	417	653	430	320	6,820	2,020	621	335	181	320	259
6	256	385	712	400	370	2,660	1,420	980	316	174	188	185
7	172	350	565	380	450	1,580	1,400	900	298	164	146	157
8	150	345	491	360	440	1,320	2,410	705	280	154	134	140
9	140	390	509	350	420	1,700	1,490	892	280	148	143	129
10	138	341	653	320	410	1,760	1,280	852	263	160	134	121
11	132	314	571	330	400	1,120	1,600	740	247	154	126	117
12	128	327	497	340	400	940	2,160	3,900	247	140	121	114
13	130	422	473	340	480	719	1,560	3,890	239	134	119	137
14	130	412	690	370	576	635	1,310	1,620	235	131	117	199
15	127	1,100	539	410	458	607	1,800	1,030	247	140	112	154
16	130	3,080	385	480	400	916	1,190	844	516	134	103	131
17	168	1,190	350	677	370	908	940	4,880	453	129	119	117
18	288	758	310	469	392	677	804	2,600	355	129	129	114
19	297	668	341	796	403	804	924	1,290	289	131	117	112
20	229	527	1,300	684	475	712	788	924	267	129	117	121
21	205	450	2,880	1,810	436	788	698	772	255	124	107	181
22	188	417	1,060	1,900	3,420	663	691	698	298	121	99	307
23	178	385	798	2,180	3,320	642	1,180	788	239	124	103	227
24	174	428	584	1,980	1,280	740	1,430	780	223	134	121	167
25	169	1,190	571	1,050	972	621	1,270	649	223	134	101	148
26	167	1,220	3,160	828	748	649	940	552	267	126	91	154
27	165	996	4,280	1,020	663	582	764	504	255	126	112	140
28	171	2,170	1,980	1,040	698	594	663	480	219	126	219	151
29	246	3,020	1,220	1,460	-----	552	663	876	345	119	178	307
30	1,560	1,530	980	1,070	-----	804	684	788	345	140	188	469
31	584	-----	740	1,060	-----	3,800	-----	558	-----	137	148	-----
TOTAL	7,284	26,356	30,655	24,674	20,451	45,363	51,889	37,180	9,269	4,715	4,349	5,890
MEAN	235	879	989	796	730	1,463	1,730	1,199	309	152	140	196
MAX	1,560	3,080	4,280	2,180	3,420	6,820	8,620	4,880	528	307	320	540
MIN	122	314	310	320	320	552	663	480	219	119	91	112
CFSM	.54	2.03	2.29	1.84	1.69	3.39	4.00	2.78	.72	.35	.32	.45
IN.	.63	2.27	2.64	2.12	1.76	3.91	4.47	3.20	.80	.41	.37	.51

CAL YR 1973	TOTAL	261,261	MEAN	716	MAX	6,320	MIN	122	CFSM	1.66	IN	22.50
WTR YR 1974	TOTAL	268,075	MEAN	734	MAX	8,620	MIN	91	CFSM	1.70	IN	23.08

PEAK DISCHARGE (BASE, 8,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
4-02	1300	8.29	11,000	5-17	1400	8.06	10,300
5-12	1900	7.82	9,600				

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.--36 years, 189 ft³/s (5.352 m³/s) (17.82 in/yr (452.6 mm/yr)).

EXTREMES.--Current year: Maximum discharge, 6,130 ft³/s (174 m³/s) Mar. 5 (gage height, 6.68 ft (2.036 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); maximum gage height, 7.02 ft (2.140 m) Feb. 22 (ice jam); minimum discharge, 10 ft³/s (0.28 m³/s) Oct. 1-2; minimum gage height, 1.03 ft (0.314 m) Aug. 24, 26. 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 (0.247 m)).

REMARKS.--Records good 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	76	185	120	150	365	734	141	255	52	17	19
2	12	105	130	90	110	287	2,360	125	125	42	15	18
3	12	89	109	88	100	798	846	107	89	43	14	31
4	11	78	102	86	98	1,150	662	120	75	37	20	81
5	59	51	109	84	94	3,230	375	107	65	34	59	39
6	73	42	195	84	92	638	279	170	58	34	35	27
7	40	38	130	80	90	345	405	208	53	28	24	21
8	30	35	100	74	88	263	978	147	50	25	19	18
9	25	34	98	74	88	295	385	202	53	21	19	16
10	22	34	167	80	84	435	355	239	50	21	19	13
11	19	32	149	88	82	227	560	176	43	20	19	13
12	18	31	116	74	82	182	581	969	40	20	22	12
13	16	32	94	66	80	110	335	1,030	39	19	34	13
14	29	36	260	86	80	80	320	315	37	17	20	12
15	19	170	100	100	80	80	560	189	38	17	17	12
16	16	581	70	120	80	208	283	149	109	15	14	12
17	18	212	46	170	78	275	202	1,310	128	15	28	12
18	28	125	45	120	78	110	161	445	87	15	58	21
19	35	104	45	110	78	160	152	219	64	24	32	22
20	35	94	80	120	78	185	141	155	55	17	21	21
21	30	78	260	900	78	195	120	128	147	14	17	34
22	25	75	180	870	1,100	120	125	116	147	13	14	49
23	22	70	130	906	1,400	170	239	118	70	13	13	37
24	20	89	100	567	250	190	370	130	49	14	12	26
25	19	215	158	243	150	110	325	123	42	15	12	23
26	17	259	2,860	189	120	120	189	102	39	17	12	24
27	17	205	1,740	283	110	110	144	96	39	17	12	24
28	31	623	478	275	150	150	123	92	35	20	13	24
29	35	951	271	846	-----	130	118	107	44	19	20	26
30	63	350	250	340	-----	420	133	149	70	29	20	52
31	65	-----	130	275	-----	2,470	-----	111	-----	22	25	-----
TOTAL	872	4,914	8,887	7,608	5,148	13,608	12,560	7,795	2,195	709	676	752
MEAN	28.1	164	287	245	184	439	419	251	73.2	22.9	21.8	25.1
MAX	73	951	2,860	906	1,400	3,230	2,360	1,310	255	52	59	81
MIN	11	31	45	66	78	80	118	92	35	13	12	12
CFSM	.20	1.14	1.99	1.70	1.28	3.05	2.91	1.74	.51	.16	.15	.17
IN.	.23	1.27	2.30	1.97	1.33	3.52	3.24	2.01	.57	.18	.17	.19

CAL YR 1973 TOTAL 69,862 MEAN 191 MAX 2,860 MIN 11 CFSM 1.33 IN 18.05
WTR YR 1974 TOTAL 65,724 MEAN 180 MAX 3,230 MIN 11 CFSM 1.25 IN 16.98

PEAK DISCHARGE (BASE, 4,200 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-16	0730	6.37	5,460	3-05	1200	6.68	6,130
02-22	0830	a7.02	UNKNOWN	3-31	0430	5.91	4,540

f About

a- Affected by ice.

STREAMS TRIBUTARY TO LAKE ERIE

181

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.--30 years (1938-1968), 120 ft³/s (3.398 m³/s) (17.17 in/yr or 436.1 mm/yr).

EXTREMES.--Current year: Maximum discharge, 4,440 ft³/s (126 m³/s) Mar. 5 (gage height, 7.69 ft or 2.344 m); minimum, 0.95 ft³/s (0.027 m³/s) Sept 16 (gage height, 2.80 ft (0.853 m), but may have been less during period of no gage-height record October to April).

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 permanent stoplogs were installed in dam.

REMARKS.--Records fair. Since August 1962, undetermined amount of flow diverted by Lancaster Country Club for irrigation upstream from station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								19	143	36	7.5	5.2
2								17	70	23	5.4	4.3
3								15	50	39	4.1	14
4								20	29	24	11	32
5								17	28	15	46	13
6								29	28	14	19	7.7
7								29	19	12	10	6.3
8								24	15	10	7.2	5.2
9								28	26	8.3	7.2	4.5
10								30	27	8.5	6.6	4.1
11								108	16	8.3	5.0	3.7
12								690	15	6.3	7.7	3.4
13								596	12	5.2	16	3.7
14								188	10	4.8	8.3	4.5
15								111	11	4.7	5.6	3.4
16								95	57	4.1	3.9	1.9
17								283	82	3.7	17	1.3
18								188	53	3.4	39	2.3
19								100	38	15	15	1.9
20								76	34	10	8.8	2.4
21								65	900	5.9	5.6	15
22								60	336	4.1	4.7	20
23								63	82	4.3	3.9	11
24								67	57	5.4	3.7	7.4
25								59	44	5.9	3.0	6.3
26								55	37	5.0	3.2	7.1
27								51	32	5.2	2.8	6.8
28								47	24	4.5	4.5	7.1
29					-----			54	33	6.3	4.5	8.5
30					-----			70	50	21	5.4	25
31	-----				-----		-----	56	-----	12	5.4	-----
TOTAL								3,310	2,358	334.9	297.0	239.0
MEAN								107	78.6	10.8	9.58	7.97
MAX								690	900	39	46	32
MIN								15	10	3.4	2.8	1.3
CFSM								1.13	.83	.11	.10	.08
IN.								1.30	.92	.13	.12	.09

PEAK DISCHARGE (BASE, 2,800 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
3-05	UNKNOWN	7.69	4,440	6-21	1600	7.23	3,540

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.--34 years, 220 ft³/s (6.230 m³/s) (22.30 in/yr (566.4 mm/yr)).

EXTREMES.--Current year: Maximum discharge, 5,990 ft³/s (170 m³/s) Mar. 5 (gage height, 9.19 ft (2.801 m)); maximum gage height, 11.52 ft (3.511 m) Jan. 21 (ice jam); minimum discharge, 11 ft³/s (0.31 m³/s) Aug. 25, 26, 27; minimum gage height, 1.89 ft (0.576 m) Aug. 3, 25, 26, 27.
Period of record: Maximum discharge, 13,500 ft³/s (382 m³/s) Mar. 1, 1955 (gage height, 15.82 ft (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 fair 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	189	275	130	190	434	724	166	281	42	13	14
2	16	173	169	110	130	293	2,700	132	112	35	13	15
3	18	154	134	100	100	1,040	979	121	81	38	12	35
4	16	103	118	94	90	1,360	939	152	67	30	25	75
5	106	63	144	88	80	3,260	448	119	59	25	49	31
6	92	47	265	84	74	738	325	297	52	24	23	20
7	38	42	148	80	72	397	563	299	44	21	16	17
8	25	39	112	78	72	301	1,010	187	40	19	14	16
9	21	41	109	76	74	371	423	279	44	18	15	15
10	19	46	197	76	76	480	401	302	43	18	15	14
11	17	38	151	76	80	242	587	209	36	18	14	14
12	16	35	112	74	90	197	725	1,420	33	17	22	14
13	16	39	140	72	100	142	459	1,070	32	15	36	15
14	16	52	300	78	96	123	364	375	30	15	17	14
15	18	484	130	90	90	110	610	226	33	14	14	13
16	16	784	100	110	94	266	314	175	81	14	13	13
17	15	246	88	100	94	323	220	1,960	70	14	38	14
18	26	144	80	96	94	195	178	563	52	14	37	44
19	31	124	74	100	94	222	170	274	45	15	19	21
20	29	100	300	640	98	186	148	188	40	14	15	17
21	24	82	1,100	1,900	200	202	128	148	123	13	13	35
22	20	77	200	804	2,100	159	137	125	117	12	13	40
23	18	72	130	1,080	1,330	178	384	124	55	13	12	27
24	17	106	110	634	386	210	575	139	39	14	12	20
25	16	320	250	290	252	180	402	127	31	14	12	19
26	16	310	3,180	214	200	160	237	100	31	14	12	19
27	16	285	1,770	370	160	150	171	90	31	13	12	18
28	19	936	562	345	170	140	140	82	28	13	13	18
29	27	1,440	325	780	-----	139	140	124	44	16	16	25
30	97	442	325	360	-----	509	140	186	58	20	16	62
31	90	-----	197	315	-----	1,830	-----	109	-----	15	16	-----
TOTAL	926	7,013	11,295	9,444	6,686	14,537	14,741	9,868	1,832	577	567	714
MEAN	29.9	234	364	305	239	469	491	318	61.1	18.6	18.3	23.8
MAX	106	1,440	3,180	1,900	2,100	3,260	2,700	1,960	281	42	49	75
MIN	15	35	74	72	72	110	128	82	28	12	12	13
CFSM	.22	1.75	2.72	2.28	1.78	3.50	3.66	2.37	.46	.14	.14	.18
IN.	.26	1.95	3.14	2.62	1.86	4.04	4.09	2.74	.51	.16	.16	.20

CAL YR 1973 TOTAL 85,524 MEAN 234 MAX 3,180 MIN 13 CFSM 1.75 IN 23.74
WTR YR 1974 TOTAL 78,200 MEAN 214 MAX 3,260 MIN 12 CFSM 1.60 IN 21.71

PEAK DISCHARGE (BASE, 4,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-26	0515	8.58	5,260	3-05	1000	9.19	5,990
01-21	1015	a11.52	UNKNOWN	5-17	1030	7.98	4,540
02-22	1945	8.02	4,580				

a-Affected by ice.

04215900 LAKE ERIE AT BUFFALO, N.Y.

LOCATION.--Lat 42°52'39", long 78°53'26", Erie County, near outer end of Buffalo River South Pier, at Buffalo.

PERIOD OF RECORD.--January 1860 to current year. Data prior to October 1960 in files of Lake Survey Center.

GAGE.--Water-stage recorder. Elevations are in feet above mean water level at Father Point, Quebec, International Great Lakes Datum (1955). Prior to Feb. 5, 1899, nonrecording gages.

EXTREMES.--Current year: Maximum elevation, 578.11 ft (176.208 m) Nov. 14; minimum, 568.31 ft (173.221 m) Dec. 1.
Period of record: Maximum elevation observed, 579.09 ft (176.507 m) Nov. 3, 1955; minimum 564.17 ft (171.959 m) Mar. 10, 1964.

COOPERATION.--Records furnished by U.S. Department of Commerce, NOAA-NOS, Lake Survey Center, Detroit, Mich.

ELEVATION, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	572.46	571.67	569.52	572.33	572.43	572.65	572.57	573.18	573.28	573.27	572.95	572.46
2	571.96	571.32	570.51	571.96	570.98	572.26	573.25	572.92	573.25	573.33	572.78	572.08
3	571.95	571.50	571.99	571.73	571.85	572.46	572.75	573.18	573.24	573.42	572.87	571.74
4	572.21	571.37	571.88	572.20	572.06	572.51	573.41	573.10	573.18	573.32	573.38	572.23
5	572.11	571.74	571.98	572.06	572.18	572.77	573.37	573.08	573.15	573.23	573.06	572.24
6	572.06	571.89	571.69	572.22	571.55	572.61	573.32	573.62	573.11	573.12	572.75	572.22
7	572.15	571.69	571.70	573.06	572.18	572.63	573.40	573.49	573.10	573.15	572.66	572.31
8	571.79	571.75	572.33	571.87	572.26	571.71	572.09	572.70	573.18	573.15	572.70	572.44
9	571.92	571.56	572.64	571.70	572.47	572.60	572.83	573.34	573.16	573.24	572.56	572.45
10	572.00	571.40	572.53	571.44	572.55	572.85	573.36	573.18	573.43	573.10	572.44	572.40
11	571.75	571.67	571.88	571.65	572.99	572.70	573.09	572.97	573.84	572.78	572.64	572.43
12	571.83	571.79	571.86	572.24	572.29	572.31	573.08	573.54	573.35	573.09	572.83	572.54
13	571.41	572.56	571.74	572.07	572.34	572.74	573.24	573.54	573.23	573.12	572.81	572.61
14	572.30	572.96	571.70	572.49	571.88	572.90	574.15	573.34	573.06	573.21	572.61	572.40
15	571.86	573.66	571.48	572.17	571.97	572.70	573.99	573.50	573.16	573.15	572.64	572.99
16	571.74	572.18	571.99	572.20	572.30	573.32	573.42	573.04	573.29	573.06	572.61	572.25
17	572.45	572.19	572.49	570.84	572.46	573.85	573.31	573.36	573.36	572.97	572.91	572.54
18	571.65	571.98	572.61	571.32	572.11	573.22	573.24	573.26	573.27	573.22	572.77	572.07
19	571.64	571.55	572.62	571.62	572.18	573.07	573.06	572.98	573.16	573.13	572.79	572.26
20	571.57	572.48	571.82	571.38	572.46	572.75	573.05	572.94	573.18	572.77	572.65	572.27
21	571.87	572.54	571.86	572.53	572.01	573.06	573.13	573.18	573.31	572.86	572.62	572.22
22	572.28	571.69	571.98	572.03	572.85	573.44	573.27	573.35	573.20	572.81	572.63	572.15
23	571.76	571.79	572.11	572.53	573.35	572.97	573.66	573.54	572.82	572.74	572.76	572.10
24	571.48	572.00	571.78	572.27	571.95	573.67	573.19	573.54	573.04	572.91	572.56	572.10
25	571.86	571.70	572.29	572.30	572.45	572.87	573.27	573.49	572.99	572.81	572.51	572.54
26	571.94	571.58	572.30	572.01	572.53	573.15	573.14	573.37	573.07	572.79	572.60	572.34
27	571.60	571.54	572.34	573.45	572.37	572.89	573.07	573.32	572.92	572.88	572.86	572.08
28	571.49	572.33	572.01	572.07	572.49	572.14	573.21	573.21	572.96	572.87	572.31	572.01
29	571.49	571.63	572.19	572.33	-----	572.14	573.28	573.35	573.19	573.01	572.42	572.95
30	571.56	570.76	572.02	572.46	-----	572.75	573.19	573.23	573.38	573.07	572.53	572.29
31	571.60	-----	571.65	573.34	-----	573.21	-----	573.25	-----	573.10	572.92	-----
MEAN	571.86	571.88	571.92	572.12	572.27	572.80	573.21	573.26	573.20	573.05	572.71	572.32
MAX	572.46	573.66	572.64	573.45	573.35	573.85	574.15	573.62	573.84	573.42	573.38	572.99
MIN	571.41	570.76	569.52	570.84	570.98	571.71	572.09	572.70	572.82	572.74	572.31	571.74
CAL YR 1973	MEAN 572.68		MAX 574.38	MIN 569.52								
WTR YR 1974	MEAN 572.55		MAX 574.15	MIN 569.52								

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.--114 years (1860-1974), 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	228,000	276,000	230,000	238,000	249,000	246,000	252,000	265,000	265,000	260,000	242,000	235,000
2	233,000	242,000	226,000	234,000	210,000	239,000	267,000	255,000	263,000	262,000	239,000	227,000
3	239,000	242,000	234,000	227,000	226,000	242,000	258,000	262,000	262,000	265,000	242,000	216,000
4	236,000	233,000	228,000	234,000	222,000	245,000	265,000	261,000	260,000	261,000	250,000	230,000
5	244,000	233,000	231,000	233,000	236,000	255,000	282,000	258,000	259,000	260,000	249,000	231,000
6	234,000	250,000	269,000	237,000	220,000	252,000	278,000	268,000	257,000	258,000	241,000	228,000
7	232,000	236,000	229,000	250,000	228,000	252,000	271,000	270,000	254,000	258,000	238,000	233,000
8	230,000	247,000	224,000	231,000	239,000	231,000	238,000	255,000	259,000	258,000	239,000	235,000
9	230,000	235,000	226,000	224,000	242,000	240,000	249,000	270,000	257,000	255,000	237,000	235,000
10	230,000	228,000	247,000	223,000	242,000	250,000	269,000	262,000	260,000	255,000	233,000	235,000
11	230,000	230,000	241,000	218,000	250,000	248,000	262,000	256,000	273,000	246,000	239,000	236,000
12	232,000	231,000	230,000	231,000	240,000	238,000	260,000	269,000	264,000	260,000	242,000	238,000
13	244,000	230,000	222,000	232,000	240,000	241,000	263,000	280,000	256,000	252,000	242,000	239,000
14	261,000	229,000	228,000	228,000	227,000	251,000	265,000	269,000	254,000	255,000	238,000	234,000
15	243,000	224,000	222,000	234,000	231,000	248,000	292,000	274,000	257,000	253,000	238,000	250,000
16	247,000	232,000	220,000	239,000	237,000	261,000	273,000	260,000	259,000	249,000	237,000	230,000
17	242,000	235,000	216,000	205,000	242,000	269,000	266,000	269,000	261,000	248,000	245,000	238,000
18	235,000	231,000	224,000	178,000	236,000	264,000	264,000	270,000	262,000	250,000	242,000	228,000
19	231,000	223,000	216,000	209,000	233,000	256,000	258,000	260,000	257,000	252,000	242,000	231,000
20	232,000	217,000	221,000	215,000	242,000	248,000	259,000	256,000	258,000	241,000	239,000	232,000
21	225,000	222,000	232,000	244,000	233,000	255,000	259,000	262,000	262,000	243,000	238,000	231,000
22	226,000	230,000	243,000	239,000	248,000	261,000	259,000	266,000	263,000	241,000	237,000	232,000
23	227,000	226,000	243,000	247,000	268,000	257,000	267,000	272,000	249,000	238,000	239,000	228,000
24	225,000	223,000	215,000	244,000	236,000	266,000	266,000	270,000	255,000	242,000	236,000	228,000
25	225,000	225,000	227,000	244,000	241,000	245,000	262,000	268,000	255,000	241,000	234,000	240,000
26	230,000	220,000	234,000	239,000	244,000	259,000	263,000	266,000	255,000	239,000	237,000	234,000
27	222,000	226,000	245,000	259,000	241,000	250,000	259,000	264,000	252,000	243,000	244,000	227,000
28	210,000	236,000	264,000	242,000	243,000	236,000	262,000	261,000	251,000	241,000	231,000	229,000
29	210,000	254,000	243,000	245,000	-----	222,000	263,000	264,000	259,000	245,000	233,000	247,000
30	218,000	260,000	261,000	246,000	-----	249,000	260,000	260,000	264,000	247,000	236,000	235,000
31	235,000	-----	232,000	256,000	-----	262,000	-----	261,000	-----	247,000	247,000	-----
TOTAL	7,186.0M	7,026.0M	7,223.0M	7,225.0M	6,646.0M	7,738.0M	7,911.0M	8,203.0M	7,762.0M	7,757.0M	7,426.0M	6,992.0M
MEAN	231,800	234,200	233,000	233,100	237,400	249,600	263,700	264,600	258,700	250,200	239,500	233,100
MAX	261,000	276,000	269,000	259,000	268,000	269,000	292,000	280,000	273,000	265,000	250,000	250,000
MIN	210,000	217,000	215,000	178,000	210,000	222,000	238,000	255,000	249,000	238,000	231,000	216,000
CAL YR 1973	TOTAL 90,315,000		MEAN 247,400		MAX 296,000		MIN 207,000					
WTR YR 1974	TOTAL 89,095,000		MEAN 244,100		MAX 292,000		MIN 178,000					

04216200 SCAJAQUADA 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.--17 years, 32.9 ft³/s (0.932 m³/s).

EXTREMES.--Current year: Maximum discharge, 914 ft³/s (25.9 m³/s) Dec. 26 (gage height, 6.67 ft (2.033 m)); minimum, 6.5 ft³/s (0.18 m³/s) Oct. 1 (gage height, 1.58 ft (0.482 m)).

Period of record: Maximum discharge, 2,620 ft³/s (74.2 m³/s) Aug. 7, 1963 (gage height, 14.38 ft (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. Revised figures of discharge, in cubic feet per second, for water year 1973, superseding those published in WRD N.Y. 1973, are given herewith:

DATE	DISCHARGE			
Mar. 11	135			
Month	Total	Mean	Max	Min
March	2,293	74.0	350	20
WTR YR 1973	14,228.7	39.0	503	9.7
AVERAGE DISCHARGE.--16 years, 32.6 ft ³ /sec (0.923 m ³ /sec).				

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	139	21	14	20	54	37	32	14	16	15	26
2	18	40	17	16	17	33	197	18	12	17	14	13
3	43	55	16	15	15	41	94	17	14	15	27	70
4	17	19	16	14	15	63	63	16	14	17	55	26
5	154	18	37	13	14	390	29	15	14	25	30	16
6	20	15	37	13	13	62	33	58	14	13	16	15
7	14	13	58	14	13	33	68	23	14	12	14	14
8	14	14	35	13	13	26	96	26	13	14	15	13
9	14	13	33	14	13	29	47	62	12	14	19	13
10	13	12	68	13	12	29	70	75	22	16	14	14
11	13	12	44	13	13	22	71	31	18	13	12	13
12	13	13	32	13	15	19	36	295	15	13	32	17
13	17	14	79	12	28	17	33	93	14	12	17	14
14	13	13	110	14	20	16	39	34	14	11	15	13
15	13	273	33	26	16	16	47	27	43	13	13	12
16	14	132	20	45	14	60	26	29	28	13	13	14
17	14	46	18	46	12	35	19	101	18	12	144	24
18	36	29	16	24	13	21	17	37	16	13	27	32
19	21	26	15	20	38	29	16	21	67	64	16	15
20	14	19	146	62	38	29	15	19	24	14	15	14
21	12	31	145	228	51	23	14	17	147	11	15	38
22	14	29	44	77	452	25	57	16	27	12	14	17
23	13	21	27	118	69	26	44	22	15	12	14	13
24	13	81	19	48	26	34	61	19	15	12	14	13
25	13	100	115	28	20	40	32	15	14	12	12	28
26	13	61	472	23	17	31	21	13	14	12	13	17
27	13	75	232	104	17	20	17	13	13	12	39	14
28	46	119	55	73	20	29	14	16	13	11	27	26
29	94	73	37	123	-----	27	21	27	59	65	16	25
30	71	31	31	40	-----	31	32	17	19	46	15	17
31	28	-----	21	28	-----	31	-----	15	-----	17	41	-----
TOTAL	817	1,536	2,049	1,304	1,024	1,341	1,366	1,219	736	559	743	596
MEAN	26.4	51.2	66.1	42.1	36.6	43.3	45.5	39.3	24.5	18.0	24.0	19.9
MAX	154	273	472	228	452	390	197	295	147	65	144	70
MIN	12	12	15	12	12	16	14	13	12	11	12	12

CAL YR 1973 TOTAL 13,530.7 MEAN 37.1 MAX 472 MIN 9.7
WTR YR 1974 TOTAL 13,290.0 MEAN 36.4 MAX 472 MIN 11

PEAK DISCHARGE (BASE, 600 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
11-15	1800	6.41	862	3-05	0845	6.44	868
12-26	0200	6.67	914	5-12	1645	5.84	748
2-22	0730	6.45	870				

NIAGARA RIVER BASIN

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.--30 years, 197 ft³/s (5.579 m³/s).

EXTREMES.--Current year: Maximum discharge, 3,030 ft³/s (85.8 m³/s) Mar. 6 (gage height, 7.96 ft (2.426 m)); minimum, 6.4 ft³/s (0.18 m³/s) Oct. 15-16 (gage height, 1.27 ft (0.387 m)).

Period of record: Maximum discharge, 7,200 ft³/s (204 m³/s) Mar. 31, 1960 (gage height, 12.70 ft (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. 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.5	45	186	220	338	363	1,930	194	265	97	17	16
2	9.0	75	135	120	180	353	2,120	186	172	75	15	16
3	10	62	107	130	150	540	2,480	152	110	71	14	24
4	12	64	97	120	120	1,040	1,360	158	83	63	21	75
5	23	44	95	100	110	1,860	1,030	142	65	55	69	40
6	60	33	112	94	100	2,050	525	148	57	49	41	27
7	29	29	100	82	94	720	470	221	50	42	26	22
8	20	27	83	74	90	450	765	175	47	36	19	20
9	16	26	77	72	88	371	610	194	118	33	17	16
10	14	26	88	80	84	490	455	221	63	30	20	14
11	13	27	97	76	84	353	555	198	50	28	17	12
12	11	24	92	74	90	273	830	201	46	28	14	12
13	11	24	77	72	100	205	630	690	42	26	12	16
14	10	24	100	70	110	165	480	445	39	25	14	14
15	9.5	37	90	80	100	155	620	269	39	21	13	12
16	9.5	369	72	94	90	168	475	198	110	20	12	10
17	11	231	60	110	84	245	339	357	172	19	15	9.7
18	13	121	56	120	84	165	265	470	121	18	39	15
19	22	90	52	130	88	233	237	240	75	17	26	24
20	24	85	50	160	96	233	217	180	69	20	16	23
21	19	69	300	432	110	253	187	150	520	18	12	49
22	16	62	240	1,070	395	205	168	135	2,140	15	9.7	55
23	16	58	150	899	1,770	201	261	127	670	14	10	45
24	16	55	110	935	1,200	285	330	142	273	18	10	31
25	13	105	100	452	513	225	398	127	165	19	12	27
26	13	179	573	299	276	229	285	110	124	18	10	30
27	13	132	1,770	338	216	194	225	100	107	21	12	30
28	15	259	1,310	423	237	205	183	90	85	23	15	27
29	19	390	508	564	-----	172	161	93	90	24	18	29
30	46	318	363	472	-----	205	172	142	127	22	21	46
31	71	-----	250	442	-----	1,790	-----	110	-----	23	20	-----
TOTAL	593.5	3,090	7,500	8,404	6,997	14,396	18,763	6,365	6,094	988	586.7	786.7
MEAN	19.1	103	242	271	250	464	625	205	203	31.9	18.9	26.2
MAX	71	390	1,770	1,070	1,770	2,050	2,480	690	2,140	97	69	75
MIN	9.0	24	50	70	84	155	161	90	39	14	9.7	9.7
CAL YR 1973	TOTAL 70,178.9 MEAN 192 MAX 2,080 MIN 4.5											
WTR YR 1974	TOTAL 74,563.9 MEAN 204 MAX 2,480 MIN 9.0											

PEAK DISCHARGE (BASE, 1,800 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-27	0730	5.59	1,900	3-31	2200	7.90	3,000
02-23	1730	7.37	2,780	4-03	0600	7.73	2,900
03-06	0100	7.96	3,030	6-22	0930	7.17	2,600

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.--19 years, 264 ft³/s (7.476 m³/s) (15.52 in/yr or 394.2 mm/yr).

EXTREMES.--Current year: Maximum discharge, about 3,800 ft³/s (108 m³/s) Feb. 24 (backwater from ice jam); Maximum gage height 14.00 ft (4.267 m) Feb. 24 (ice jam); minimum, 18 ft³/s (0.51 m³/s) Aug. 26-27 (gage height, 5.06 ft or 1.542 m).

Period of record: Maximum discharge, 9,000 ft³/s (255 m³/s) Jan. 23, 1959 (gage height, 15.95 ft (4.862 m), from graph based on gage readings, ice jam); minimum daily, 7.7 ft³/s (0.22 m³/s) Sept. 14, 15, 1964.

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

REVISIONS.--WSP 1912: Drainage area. Revised figures of discharge, in cubic feet per second, for water year 1973, superseding those published in WRD, N.Y. 1973, are given herewith:

DATE	DISCHARGE	DATE	DISCHARGE	DATE	DISCHARGE	DATE	DISCHARGE
June 7	403	July 5	46	Aug. 18	20	Sept. 3	15
8	478	13	29	20	18	7	20
		30	35	22	44	9	24
		31	35			16	14
TOTAL	4,910		1,101		731		600
MEAN	164		35.5		23.6		20.0
MAX	478		67		44		31
MIN	56		22		17		14
CFSM	.71		.15		.10		.09
IN.	.79		.18		.12		.10

WT YR 1973 TOTAL 118,392 MEAN 324 MAX 2880 MIN 14 CFSM 1.40 IN. 19.07

NIAGARA RIVER BASIN

04217500 TONAWANDA CREEK NEAR ALABAMA, N.Y.--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	81	265	280	460	390	2,710	214	146	144	35	34
2	17	60	185	240	295	475	1,690	230	248	113	32	30
3	19	85	142	210	246	488	2,560	190	146	106	30	31
4	20	66	125	190	220	993	1,800	176	107	95	33	56
5	37	66	121	160	190	1,820	1,330	176	87	81	51	88
6	46	50	146	140	160	2,620	776	169	74	73	91	52
7	57	41	154	130	150	1,220	591	225	65	66	56	39
8	34	37	125	120	140	626	837	225	59	59	40	33
9	29	35	110	120	130	470	910	209	86	50	34	30
10	25	34	112	130	120	508	607	268	112	46	31	28
11	22	33	130	130	120	494	679	253	71	43	28	26
12	22	34	125	120	120	344	886	299	61	40	29	24
13	22	32	117	110	120	282	879	673	57	39	28	23
14	22	31	130	110	150	212	616	690	52	35	27	22
15	22	46	110	130	170	189	659	365	50	34	25	23
16	21	255	100	180	150	192	673	256	87	32	24	22
17	21	375	94	200	130	266	450	314	164	30	29	21
18	22	190	88	210	120	225	348	616	194	30	37	23
19	24	138	86	220	130	269	296	367	131	30	49	26
20	28	116	90	260	150	293	268	246	109	29	40	28
21	32	105	250	380	250	299	238	192	339	28	31	38
22	29	90	710	2,100	560	283	219	163	2,140	27	26	64
23	26	81	413	2,400	2,200	249	260	146	1,470	27	23	64
24	25	81	320	1,800	3,100	230	363	145	443	26	21	51
25	25	103	270	826	1,300	210	467	143	253	26	20	40
26	25	197	680	432	490	210	375	128	178	28	19	41
27	23	207	2,500	404	360	240	286	115	143	28	26	38
28	24	230	1,960	539	340	230	235	106	119	29	32	40
29	32	384	933	661	-----	227	209	107	110	35	29	38
30	50	450	513	701	-----	242	197	125	130	74	29	36
31	67	-----	370	533	-----	1,390	-----	137	-----	40	30	-----
TOTAL	885	3,733	11,474	14,166	12,071	16,186	22,414	7,668	7,431	1,543	1,035	1,109
MEAN	28.5	124	370	457	431	522	747	247	248	49.8	33.4	37.0
MAX	67	450	2,500	2,400	3,100	2,620	2,710	690	2,140	144	91	88
MIN	17	31	86	110	120	189	197	106	50	26	19	21
CFSM	.12	.54	1.60	1.98	1.87	2.26	3.23	1.07	1.07	.22	.14	.16
IN.	.14	.60	1.85	2.28	1.94	2.61	3.61	1.23	1.20	.25	.17	.18

CAL YR 1973 TOTAL 95,980 MEAN 263 MAX 2,850 MIN 14 CFSM 1.14 IN 15.46
WTR YR 1974 TOTAL 99,715 MEAN 273 MAX 3,100 MIN 17 CFSM 1.18 IN 16.06

PEAK DISCHARGE (BASE 2,100 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-27	1000	12.62	2,800	4-01	0800	11.75	3,020
01-22	1700	12.73	2,800	4-03	1830	11.50	2,830
02-24	0530	14.00	3,800	6-22	2100	11.41	2,770
03-06	1300	11.62	2,920				

† About

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) Feb. 23 (gage height, 7.41 ft (2.259 m)); minimum discharge, 2.2 ft³/s (0.06 m³/s) Aug. 17 (gage height, 0.94 ft (0.287 m)).

Period of record: Maximum discharge, 1,980 ft³/s (56.1 m³/s) Dec. 7, 1972 (gage height, 7.94 ft (2.420 m)); minimum discharge, 2.2 ft³/s (0.06 m³/s) Aug. 17, 1974 (gage height, 0.94 ft (0.287 m)).

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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.6	96	167	140	160	150	931	87	35	24	12	13
2	8.7	51	101	110	76	200	609	90	42	27	11	9.8
3	35	62	77	98	68	202	794	76	35	22	14	29
4	19	44	68	86	64	300	350	53	29	19	24	17
5	89	40	71	74	56	762	252	50	23	20	17	14
6	29	32	111	64	46	1,180	173	64	19	16	14	12
7	22	26	187	56	48	423	189	75	18	14	18	13
8	20	23	118	50	48	240	391	82	16	12	15	12
9	16	23	92	49	48	177	405	83	16	11	14	10
10	14	22	105	49	45	169	245	117	19	9.3	8.7	9.3
11	12	21	132	50	48	177	316	136	16	11	7.6	8.7
12	12	15	107	44	46	121	369	250	19	9.3	17	9.8
13	15	26	124	44	45	88	279	686	16	8.2	9.8	10
14	17	23	231	42	44	60	202	391	15	7.6	8.7	7.6
15	16	129	220	48	48	50	245	157	27	7.1	8.2	7.6
16	16	238	120	62	46	74	257	86	23	6.6	14	7.1
17	18	316	66	62	39	123	145	121	20	6.6	30	7.1
18	27	143	58	60	35	93	107	190	37	6.1	19	12
19	19	95	52	60	44	120	87	118	56	22	16	5.0
20	18	76	150	80	56	129	80	73	39	9.8	14	6.6
21	17	71	260	220	76	124	82	53	101	8.2	11	14
22	16	64	270	822	360	104	89	43	426	8.7	11	11
23	15	56	250	708	1,130	86	107	36	484	6.6	10	8.2
24	15	76	150	533	842	110	181	42	95	7.1	9.3	9.3
25	16	118	160	305	260	120	221	48	51	7.1	8.2	19
26	16	198	692	173	120	110	147	37	35	6.1	7.6	16
27	17	181	1,520	219	86	86	104	33	27	6.6	17	9.3
28	35	247	1,120	257	100	94	80	35	21	6.1	15	19
29	54	408	459	331	-----	88	71	31	42	21	11	19
30	49	347	265	437	-----	140	82	33	27	25	11	13
31	34	-----	180	243	-----	622	-----	37	-----	14	14	-----
TOTAL	713.3	3,267	7,683	5,576	4,084	6,522	7,590	3,413	1,829	385.1	417.1	358.4
MEAN	23.0	109	248	180	146	210	253	110	61.0	12.4	13.5	11.9
MAX	89	408	1,520	822	1,130	1,180	931	686	484	27	30	29
MIN	6.6	15	52	42	35	50	71	31	15	6.1	7.6	5.0
CFSM	.30	1.40	3.20	2.32	1.88	2.71	3.26	1.42	.79	.16	.17	.15
IN.	.34	1.57	3.68	2.67	1.96	3.13	3.64	1.64	.88	.18	.20	.17

CAL YR 1973 TOTAL 42,524.6 MEAN 117 MAX 1,520 MIN 4.6 CFSM 1.51 IN 20.39
 WTR YR 1974 TOTAL 41,837.9 MEAN 115 MAX 1,520 MIN 5.0 CFSM 1.48 IN 20.06

PEAK DISCHARGE (BASE, 1,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-27	1030	7.29	1,660	3-06	1000	6.60	1,420
01-22	1900	5.54	1,050	4-01	0300	5.85	1,150
02-23	2215	7.41	1,700				

NIAGARA RIVER BASIN

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.--24 years (1950-74), 210 ft³/s (5.947 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 good except those for nonnavigation season, which are poor. This record represents net diversion from Niagara River basin into Oswego River basin through Erie (Barge) Canal. During the period of no navigation, Dec. 12 to Apr. 22, 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	319	330	144	53	39	39	133	59	234	256	375	389
2	320	325	89	53	39	39	204	8.7	252	256	387	390
3	319	324	249	53	39	39	203	6.1	234	268	391	372
4	319	316	327	51	39	39	142	9.1	240	279	389	376
5	321	314	384	51	39	39	88	6.1	239	271	391	369
6	436	312	89	51	39	38	74	8.7	242	276	383	375
7	357	301	61	50	39	38	62	8.4	248	267	369	376
8	355	330	61	49	39	37	54	8.7	262	266	373	380
9	345	356	62	49	39	38	58	5.1	255	258	369	364
10	336	343	62	48	39	37	64	8.4	258	260	379	358
11	336	341	62	48	39	37	72	15	264	278	382	365
12	346	335	62	47	39	36	68	5.4	265	282	374	356
13	363	336	62	47	39	35	68	73	255	271	376	364
14	358	326	62	46	39	34	68	90	252	266	376	390
15	354	320	62	46	39	33	67	62	258	271	367	391
16	344	320	61	45	39	34	63	58	255	261	372	365
17	347	325	61	44	39	32	71	382	264	287	368	365
18	341	325	61	44	39	31	57	322	266	289	379	369
19	344	320	61	43	39	32	53	288	253	322	366	381
20	361	325	62	43	39	37	50	233	255	350	315	369
21	344	316	60	43	39	52	46	226	253	384	368	382
22	350	317	59	43	41	50	43	229	262	379	368	368
23	346	317	59	42	39	40	53	229	257	370	372	360
24	339	313	59	41	39	32	59	241	254	362	364	361
25	338	313	60	40	39	21	67	250	251	357	384	355
26	344	310	61	40	39	42	66	247	251	357	383	348
27	335	307	59	39	39	34	66	238	252	373	386	354
28	337	289	58	40	39	42	66	232	255	389	379	355
29	337	253	56	40	-----	50	66	234	261	367	393	359
30	341	196	55	39	-----	81	66	240	266	369	388	360
31	341	-----	55	39	-----	113	-----	237	-----	383	393	-----
TOTAL	10,673	9,455	2,785	1,407	1,094	1,281	2,317	4,259.7	7,613	9,624	11,659	11,066
MEAN	344	315	89.8	45.4	39.1	41.3	77.2	137	254	310	376	369
MAX	436	356	384	53	41	113	204	382	266	389	393	391
MIN	319	196	55	39	39	21	43	5.1	234	256	315	348

CAL YR 1973 TOTAL 69,870.6 MEAN 191 MAX 464 MIN 1.2
WTR YR 1974 TOTAL 73,233.7 MEAN 201 MAX 436 MIN 5.1

STREAMS TRIBUTARY TO LAKE ONTARIO

191

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 to September 1974.

GAGE.--Water-stage recorder. Datum of gage is 639.38 ft (194.883 m) above mean sea level.

EXTREMES.--Maximum discharge during period, 4.9 ft³/s (0.139 m³/s) June 1 (gage height, 2.20 ft or 0.671 m); minimum, 0.09 ft³/s (0.0025 m³/s) Sept. 19, 21 (gage height, 1.28 ft or 0.390 m).

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									4.5	2.2	1.2	.32
2									3.8	2.1	1.0	.30
3									3.5	2.0	1.0	.43
4									3.1	1.9	1.2	.34
5									2.8	1.9	1.2	.34
6									2.6	1.7	1.1	.32
7									2.4	1.6	.95	.30
8									2.2	1.6	.87	.30
9									2.2	1.5	.83	.27
10									2.1	1.5	.79	.25
11									2.4	1.4	.69	.22
12									2.2	1.4	.75	.22
13									2.1	1.3	.66	.19
14									1.9	1.3	.66	.18
15									2.0	1.3	.57	.15
16									2.7	1.2	.51	.14
17									3.7	1.1	.63	.16
18									3.0	1.1	.57	.34
19									3.0	1.1	.48	.16
20									3.1	.99	.48	.10
21									5.1	.95	.43	.11
22									5.6	.91	.41	.11
23								6.2	4.1	.91	.34	.10
24								6.1	3.3	.95	.32	.13
25								6.0	2.9	.91	.27	.15
26								5.3	2.7	.87	.25	.19
27								4.7	2.4	.83	.32	.18
28								4.3	2.3	.75	.34	.18
29					-----			6.8	2.5	.91	.34	.18
30					-----			6.6	2.4	1.2	.34	.16
31		-----			-----		-----	5.3	-----	.99	.32	-----
TOTAL									88.6	40.37	19.82	6.52
MEAN									2.95	1.30	.64	.22
MAX									5.6	2.2	1.2	.43
MIN									1.9	.75	.25	.10
CFSM									.56	.25	.12	.04
IN.									.62	.28	.14	.05

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 to September 1974.

GAGE.--Water-stage recorder. Datum of gage is 621.31 ft (189.375 m) above mean sea level.

EXTREMES.--Maximum discharge during period, 96 ft³/s (2.719 m³/s) June 21 (gage height, 4.01 ft or 1.222 m); minimum daily, 0.05 ft³/s (0.0014 m³/s) Sept. 20.

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1									8.8	6.4	2.2	.48
2									7.5	6.0	1.5	.39
3									6.6	6.0	1.8	1.2
4									6.0	5.5	5.3	3.2
5									5.4	4.6	5.9	1.4
6									4.7	4.0	3.3	.50
7									4.5	3.9	2.2	.31
8									4.1	3.5	1.8	.31
9									8.4	3.0	1.6	.23
10									7.5	2.9	1.6	.17
11									7.5	2.5	1.4	.16
12									5.9	2.4	1.7	.15
13									5.4	2.4	2.1	.14
14									4.6	2.1	1.9	.11
15									5.2	1.9	1.4	.08
16									13	1.8	1.2	.08
17									17	1.4	3.1	.13
18									13	1.2	4.7	.50
19									11	1.6	2.8	.20
20									14	1.1	1.8	.05
21									40	.72	1.1	.08
22									78	.75	.65	.10
23									34	.65	.37	.08
24									18	1.1	.29	.10
25									11	1.0	.23	.13
26									8.5	1.0	.19	.23
27									6.6	.64	.25	.20
28									5.6	.48	3.5	.15
29					-----			12	6.3	2.8	2.3	.15
30					-----			14	7.0	9.9	.80	.15
31		-----			-----		-----	11	-----	4.6	.69	-----
TOTAL									375.1	87.84	59.67	11.16
MEAN									12.5	2.83	1.92	.37
MAX									78	9.9	5.9	3.2
MIN									4.1	.48	.19	.05
CFSM									.57	.13	.09	.02
IN.									.64	.15	.10	.02

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.--5 years (1955-58, 1972-74), 415 ft³/s (11.75 m³/s) (19.50 in/yr or 495.3 mm/yr).

EXTREMES.--Current year: Maximum discharge, 5,210 ft³/s (148 m³/s) Apr. 14 (gage height, 9.03 ft or 2.752 m); minimum discharge, 26 ft³/s (0.74 m³/s) Oct. 29; minimum gage height, 3.97 ft (1.210 m) Oct. 2-3.
Period of record: Maximum discharge, 38,500 ft³/s (1,090 m³/s) June 23, 1972 (gage height, 14.12 ft or 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 below 160 ft³/s (4.5 m³/s) and those for winter periods, which are poor. 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	34	384	366	600	584	553	694	525	201	1,150	88	27
2	31	336	318	460	504	455	2,020	372	151	584	68	27
3	31	300	201	390	450	783	2,010	448	120	462	60	441
4	34	250	65	320	380	1,300	2,710	434	110	372	130	324
5	33	218	219	280	340	1,530	1,840	366	98	306	150	165
6	33	210	275	240	300	1,060	1,390	372	94	265	100	130
7	40	197	223	220	280	900	1,090	348	92	223	76	108
8	41	185	201	200	260	909	1,110	324	90	189	58	94
9	41	185	260	190	240	1,340	927	384	88	148	49	90
10	41	173	408	180	220	1,480	837	427	86	120	44	86
11	38	140	306	180	220	972	891	342	86	110	41	84
12	37	67	265	170	220	855	1,370	1,330	84	100	39	82
13	38	94	250	150	240	656	1,660	1,570	82	96	36	82
14	41	158	255	170	250	553	2,100	954	82	94	35	80
15	36	96	228	200	230	490	2,670	756	80	92	33	80
16	35	210	193	220	200	560	1,470	632	656	88	33	78
17	38	201	137	250	190	560	1,100	672	342	86	33	78
18	68	173	81	260	180	434	891	576	210	84	32	78
19	73	177	91	310	180	455	1,000	455	170	82	32	76
20	58	173	105	340	205	408	756	384	140	78	32	76
21	50	165	1,490	688	205	414	632	342	120	78	31	265
22	49	162	680	936	1,890	372	592	306	110	76	31	372
23	46	148	539	1,650	1,580	396	688	306	110	76	31	189
24	46	130	483	1,430	774	518	616	295	100	74	29	150
25	36	342	427	909	648	360	568	260	94	74	29	130
26	32	455	1,160	756	525	354	476	228	360	74	28	130
27	29	342	2,960	981	448	336	427	210	568	72	28	110
28	28	469	1,540	927	441	330	390	193	265	72	28	100
29	44	511	1,100	1,000	-----	300	366	237	592	70	27	120
30	1,230	408	891	774	-----	378	372	223	455	160	27	160
31	408	-----	688	688	-----	704	-----	185	-----	120	27	-----
TOTAL	2,819	7,059	16,405	16,069	12,184	20,715	33,663	14,456	5,836	5,675	1,485	4,012
MEAN	90.9	235	529	518	435	668	1,122	466	195	183	47.9	134
MAX	1,230	511	2,960	1,650	1,890	1,530	2,710	1,570	656	1,150	150	441
MIN	28	67	65	150	180	300	366	185	80	70	27	27
CFSM	.31	.81	1.83	1.79	1.51	2.31	3.88	1.61	.67	.63	.17	.46
IN.	.36	.91	2.11	2.07	1.57	2.67	4.33	1.86	.75	.73	.19	.52

CAL YR 1973 TOTAL 118,533 MEAN 325 MAX 3,180 MIN 28 CFSM 1.12 IN 15.26
WTR YR 1974 TOTAL 140,378 MEAN 385 MAX 2,960 MIN 27 CFSM 1.33 IN 18.07

PEAK DISCHARGE (BASE, 3,600 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-27	0500	8.04	3,660	4-14	2300	9.03	5,210
2-22	2000	8.16	3,830				

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.--6 years, 91.0 ft³/s (2.58 m³/s) (20.36 in/yr or 517.1 mm/yr).

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 1972 TO SEPTEMBER 1973

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	1,431.1	10,433	-34.4	65.7	31.4	0.52	0.60
November	1,402.7	4,945	-183	282	99.6	1.64	1.83
December	1,402.5	4,914	-1.00	144	143	2.36	2.71
CAL YR 1973			-20.8	110	89.3	1.47	19.97
January	1,421.6	8,288	+109	0	109	1.80	2.07
February	1,432.7	10,836	+91.0	0	91	1.50	1.56
March	1,434.5	11,289	+14.6	189	204	3.36	3.88
April	1,436.7	11,886	+19.9	221	241	3.97	4.43
May	1,439.3	12,607	+23.2	116	139	2.29	2.64
June	1,439.0	12,523	-2.80	18.3	15.5	.26	.28
July	1,439.5	12,662	+4.48	5.35	9.84	.16	.19
August	1,439.2	12,579	-2.68	12.1	9.45	.16	.18
September	1,431.2	10,458	-70.7	94.8	24.1	.40	.44
WTR YR 1974			-2.85	95.9	93.1	1.53	20.81

† 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.--66 years, 1,222 ft³/s (34.61 m³/s) (unadjusted).

EXTREMES.--Current year: Maximum discharge, 15,700 ft³/s (445 m³/s) Apr. 2 (gage height, 15.59 ft (4.752 m)); minimum, 107 ft³/s (3.03 m³/s) Aug. 23, 24 (gage height, 8.11 ft (2.472 m)).

Period of record: Maximum discharge, about 90,000 ft³/s (2,550 m³/s) June 23, 1972 (gage height, 35.25 ft (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 and those for period of no gage-height record, which are poor. 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.

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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	134	1,100	1,320	1,700	1,600	1,890	4,860	1,560	710	1,500	210	242
2	138	2,050	990	1,400	1,300	1,790	10,700	1,370	770	1,320	186	224
3	145	1,880	825	1,200	1,100	4,080	11,300	1,180	616	913	224	572
4	148	1,610	780	1,000	1,000	9,720	10,300	1,490	540	740	308	2,120
5	174	1,250	780	820	800	10,700	6,620	1,180	465	814	556	770
6	206	1,140	820	900	740	6,910	4,670	1,140	458	634	349	444
7	178	1,060	840	860	680	4,430	3,680	1,300	417	486	238	325
8	163	564	1,200	660	660	2,980	4,560	1,070	354	404	198	266
9	152	598	1,300	560	600	4,140	3,400	1,250	325	349	194	228
10	141	1,030	1,700	600	580	5,470	2,960	1,590	292	314	282	224
11	134	968	1,700	580	580	3,240	3,380	1,430	303	292	219	219
12	128	946	1,500	580	620	2,540	5,650	3,640	331	251	182	206
13	128	957	1,100	490	660	1,930	5,510	8,510	292	228	159	215
14	128	1,010	820	470	800	1,490	4,330	3,680	266	228	145	266
15	122	564	860	580	1,000	1,370	8,850	2,370	256	228	134	251
16	122	1,930	840	640	800	1,350	4,730	1,890	1,410	228	128	210
17	122	1,960	780	800	660	1,690	3,160	6,240	2,190	228	128	182
18	141	1,430	660	920	620	1,250	2,490	4,140	1,300	210	148	170
19	186	1,230	470	1,100	589	1,460	2,660	2,140	710	202	141	156
20	182	616	700	1,500	616	1,310	2,490	1,580	540	202	138	159
21	163	524	4,700	2,770	740	1,410	1,930	1,150	465	202	128	251
22	198	486	3,100	5,040	4,910	1,250	1,710	979	430	219	116	690
23	607	451	2,000	4,780	8,980	1,180	2,230	1,000	379	219	113	700
24	616	858	1,400	6,430	3,260	1,790	2,070	1,050	337	224	110	792
25	598	1,560	1,100	3,240	2,430	1,370	2,230	979	314	224	116	720
26	572	2,920	3,700	2,300	1,660	1,210	1,860	803	379	224	119	670
27	170	2,190	10,000	2,810	1,370	1,160	1,610	700	968	224	138	532
28	128	1,690	6,400	3,400	1,410	1,190	1,440	625	770	224	190	493
29	141	2,340	3,700	3,700	-----	1,090	1,300	700	902	182	219	479
30	3,340	1,760	2,500	2,690	-----	1,960	1,070	957	1,200	163	404	493
31	2,100	-----	2,000	2,190	-----	8,850	-----	781	-----	210	314	-----
TOTAL	11,605	38,672	60,585	56,710	40,765	92,200	123,750	58,474	18,689	12,086	6,234	13,269
MEAN	374	1,289	1,954	1,829	1,456	2,974	4,125	1,886	623	390	201	442
MAX	3,340	2,920	10,000	6,430	8,980	10,700	11,300	8,510	2,190	1,500	556	2,120
MIN	122	451	470	470	580	1,090	1,070	625	256	163	110	156

CAL YR 1973 TOTAL 468,828 MEAN 1,284 MAX 13,000 MIN 122
WTR YR 1974 TOTAL 533,039 MEAN 1,460 MAX 11,300 MIN 110

PEAK DISCHARGE (BASE, 15,000 CFS).--Apr. 2 (2230) 15,700 cfs (15.59 ft).

NOTE.--No gage-height record Dec. 4 to Jan. 15.

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, 652.86 ft (198,992 m) Mar. 6 (contents, 64,860 acre-ft (80 hm³)); minimum, 584.57 ft (178.177 m) Sept. 20 (contents, 535 acre-ft (660,000 m³)).
Period of record: Maximum elevation, 755.46 ft (230.264 m) June 25, 1972 (contents, 322,600 acre-ft (398 hm³)); minimum, 584.57 ft (178.177 m) Sept. 20, 1974 (contents, 535 acre-ft (660,000 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)

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
605.00	8,250	680.00	119,800

ELEVATION, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	597.14	609.86	595.45	631.45	627.23	623.88	622.20	587.08	585.25	600.92	600.38	603.37
2	597.50	607.24	593.68	629.81	625.28	623.25	626.48	587.92	585.46	602.73	601.28	602.19
3	598.21	605.99	590.32	627.23	622.31	623.08	638.66	586.72	590.53	601.46	601.63	601.02
4	600.01	604.58	586.61	624.28	619.04	630.61	647.41	587.57	596.88	599.08	601.86	605.82
5	601.34	602.51	586.53	620.72	614.86	643.49	651.57	586.98	598.89	599.02	601.81	610.36
6	602.57	599.09	586.52	616.29	609.30	651.95	650.70	586.75	599.57	599.76	601.72	610.72
7	602.43	594.53	586.43	611.56	602.69	652.63	648.26	586.99	599.60	598.54	600.58	610.24
8	601.85	593.04	587.01	605.60	595.46	651.11	645.73	586.69	598.77	597.87	600.46	609.37
9	601.14	591.56	587.12	595.30	594.13	649.45	643.01	586.61	598.14	598.16	601.32	608.23
10	600.28	594.51	587.96	592.19	593.58	649.24	638.51	587.70	598.57	598.14	602.09	606.90
11	599.29	595.00	588.76	592.16	593.21	647.96	633.91	587.84	598.56	598.64	602.47	605.45
12	598.17	594.73	588.14	592.45	593.00	642.22	631.78	588.98	598.69	598.78	601.93	603.85
13	597.61	594.65	587.01	592.33	593.86	634.99	632.54	616.33	598.98	598.44	601.97	602.23
14	597.73	595.07	586.86	591.32	594.60	626.68	632.34	621.38	598.87	597.93	602.07	600.08
15	597.90	593.36	587.45	592.25	594.78	617.10	634.05	612.42	598.51	597.86	602.05	593.96
16	598.99	596.44	586.67	593.24	594.20	608.10	635.15	596.30	599.88	598.22	601.95	586.28
17	598.02	600.26	586.52	594.01	594.12	600.53	630.61	604.67	606.21	598.52	601.35	584.66
18	598.16	599.80	589.54	594.07	593.76	594.48	623.87	624.44	606.05	598.64	599.16	584.62
19	598.55	596.32	589.96	594.27	592.92	595.54	614.70	623.81	602.15	598.52	597.87	584.60
20	598.81	593.88	589.49	596.45	593.23	592.39	608.40	618.91	593.88	598.32	598.14	584.59
21	598.90	592.19	596.01	597.28	593.29	586.93	599.92	607.66	593.04	598.02	598.35	584.63
22	598.34	591.66	606.44	609.88	597.84	586.65	595.76	592.75	597.42	598.20	598.53	585.01
23	595.49	591.40	594.61	616.43	624.67	586.50	597.58	591.82	598.20	598.48	598.58	586.29
24	599.39	592.78	591.90	625.07	630.79	587.26	598.56	589.22	592.52	598.81	598.58	586.28
25	600.62	596.74	590.84	628.14	630.79	589.95	599.00	585.88	584.68	599.18	598.56	586.16
26	600.69	601.46	594.28	627.94	629.54	595.81	594.74	585.51	588.24	599.50	598.62	586.03
27	599.64	602.81	617.20	627.04	627.42	596.42	588.58	585.30	597.18	599.52	598.46	585.67
28	597.32	599.74	631.06	627.52	625.38	596.46	587.66	585.25	602.00	598.71	598.87	585.49
29	596.78	597.92	634.06	628.48	-----	596.15	587.48	585.20	601.23	598.26	599.66	585.38
30	600.34	598.72	634.24	629.12	-----	597.69	586.91	585.83	602.35	597.96	600.94	585.32
31	610.53	-----	633.39	628.47	-----	614.52	-----	585.61	-----	598.19	602.87	-----
MEAN	599.48	597.59	596.52	610.72	607.19	615.90	620.87	595.04	597.01	598.85	600.46	595.16
MAX	610.53	609.86	634.24	631.45	630.79	652.63	651.57	624.44	606.21	602.73	602.87	610.72
MIN	595.49	591.40	586.43	591.32	592.92	586.50	586.91	585.20	584.68	597.86	597.87	584.59
†	12,620	4,097	33,680	28,160	24,400	21,130	959	675	6,690	5,281	7,431	666
‡	+135	-143	+481	-90	-68	-53	-339	-4.6	+101	-23	+35	-114

CAL YR 1973 MEAN 604.60 MAX 668.68 MIN 586.16 ‡ +12
WTR YR 1974 MEAN 602.87 MAX 652.63 MIN 584.59 ‡ - 5.0
† Contents, in acre-feet, at end of month.
‡ Change in contents, equivalent in cubic feet per second.

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.--57 years (1910-12, 1915-16, 1917-19, 1920-68, 1971-74), 152 ft³/s (4.305 m³/s) (13.49 in/yr or 342.6 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,460 ft³/sec (69.7 m³/s) May 17 (gage height, 8.36 ft (2.548 m)); minimum discharge, 25 ft³/s (0.71 m³/s) Oct. 10; minimum gage height, 4.91 ft (1.497 m) Oct. 1.

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.

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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	215	171	164	150	265	384	184	95	140	38	47
2	37	200	150	132	120	235	1,010	140	89	110	41	256
3	35	171	136	120	100	539	943	162	86	96	52	162
4	35	143	122	100	90	911	952	158	79	130	52	75
5	51	115	125	86	86	943	592	130	77	100	43	57
6	41	103	125	76	82	529	448	144	77	78	40	52
7	30	97	100	66	90	352	405	140	73	60	40	47
8	28	91	90	52	86	295	556	124	66	48	49	43
9	26	91	130	52	80	358	433	151	62	40	46	42
10	26	85	195	70	76	352	398	162	68	42	40	41
11	26	73	140	72	72	270	538	134	74	43	39	40
12	26	73	105	68	86	242	799	405	66	42	37	40
13	26	73	86	66	100	204	664	529	60	47	36	49
14	35	73	74	98	110	169	574	322	230	45	36	58
15	35	91	66	100	90	134	682	247	370	44	34	49
16	32	342	58	100	70	154	412	200	280	43	49	44
17	35	185	48	96	68	162	316	880	160	42	49	42
18	37	157	37	92	66	130	265	709	130	40	50	46
19	37	150	46	100	77	151	280	426	110	38	76	40
20	37	136	176	120	88	140	229	322	94	36	44	40
21	37	115	392	240	92	158	200	270	88	36	39	57
22	39	109	180	346	537	134	196	229	80	40	37	75
23	41	103	152	439	649	144	238	285	72	39	35	54
24	37	122	124	275	363	140	232	247	70	38	34	49
25	37	326	116	210	250	120	225	172	100	37	31	49
26	35	270	363	176	200	120	188	127	180	37	40	50
27	35	208	537	215	180	110	165	118	150	36	46	46
28	37	208	325	225	196	110	147	111	200	36	66	42
29	65	215	265	295	-----	118	140	118	280	43	86	43
30	540	200	225	220	-----	147	140	114	240	40	52	42
31	178	-----	184	196	-----	426	-----	100	-----	38	50	-----
TOTAL	1,746	4,540	5,043	4,667	4,254	8,262	12,751	7,560	3,806	1,684	1,407	1,777
MEAN	56.3	151	163	151	152	267	425	244	127	54.3	45.4	59.2
MAX	540	342	537	439	649	943	1,010	880	370	140	86	256
MIN	26	73	37	52	66	110	140	100	60	36	31	40
CFSM	.37	.99	1.07	.99	.99	1.75	2.78	1.59	.83	.35	.30	.39
IN.	.42	1.10	1.23	1.13	1.03	2.01	3.10	1.84	.93	.41	.34	.43

CAL YR 1973 TOTAL 65,004 MEAN 178 MAX 1,790 MIN 26 CFSM 1.16 IN 15.80
WTR YR 1974 TOTAL 57,497 MEAN 158 MAX 1,010 MIN 26 CFSM 1.03 IN 13.98

PEAK DISCHARGE (BASE, 2,000 CFS).--May 17 (1300) 2,460 cfs (8.36 ft).

NOTE.--No gage-height record June 9 to July 9, July 11 to Aug. 25.

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.--64 years (1908-13, 1915-74), 1,620 ft³/s (45.88 m³/s).

EXTREMES.--Current year: Maximum discharge, 8,040 ft³/s (228 m³/s) Apr. 12 (gage height, 12.46 ft or 3.798 m); minimum, 72 ft³/s (2.04 m³/s) Oct. 4, 5 (gage height, 1.30 ft or 0.396 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.

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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	195	2,210	1,860	3,000	3,000	3,220	5,650	1,800	923	1,410	111	379
2	173	2,490	1,460	2,700	2,700	3,120	6,180	2,090	965	1,460	154	520
3	151	2,340	1,210	2,500	2,500	3,370	6,040	1,620	727	1,410	227	560
4	79	2,220	1,070	2,200	2,200	3,930	6,100	1,940	627	1,040	383	620
5	82	1,850	1,020	2,000	2,000	3,760	6,520	1,720	555	804	585	580
6	127	1,870	1,090	1,800	1,800	4,290	7,160	1,510	560	825	627	560
7	332	1,280	1,060	1,600	1,600	5,650	6,990	1,720	575	769	456	540
8	321	944	1,360	1,400	1,400	5,370	7,180	1,530	585	540	311	520
9	311	633	1,440	1,200	1,260	5,400	7,200	1,580	478	465	121	500
10	304	993	1,910	1,100	1,120	5,490	7,400	1,980	411	433	251	480
11	300	1,120	2,220	1,000	1,010	6,150	7,590	1,980	415	351	343	460
12	276	1,080	1,910	940	1,000	7,900	7,470	2,220	424	371	339	430
13	221	1,050	1,240	900	1,010	7,580	6,340	4,670	420	363	224	450
14	203	1,120	1,150	860	1,240	6,870	6,200	5,800	415	332	212	500
15	147	930	1,100	860	1,530	5,250	6,930	6,290	407	276	206	600
16	161	1,520	1,000	900	1,320	3,800	7,000	3,920	555	262	195	400
17	159	2,120	900	860	1,000	3,130	7,420	1,910	1,290	248	343	320
18	181	1,980	820	1,100	940	1,930	6,900	3,090	2,160	251	525	260
19	195	1,680	860	1,200	902	2,000	6,050	4,250	1,780	251	244	230
20	241	1,090	1,260	1,400	972	2,020	4,550	4,580	993	248	230	240
21	241	708	3,590	2,000	1,080	1,950	3,630	4,790	600	237	200	270
22	321	633	5,760	3,250	2,320	1,910	2,390	1,900	515	192	178	500
23	505	595	4,400	3,320	4,160	1,770	2,650	1,460	510	184	161	620
24	456	696	3,230	3,560	3,620	2,390	2,850	1,560	660	200	147	660
25	600	1,400	2,680	3,290	3,320	2,180	2,850	1,430	447	203	136	680
26	649	2,310	3,290	3,170	3,290	1,800	2,740	1,230	438	197	149	660
27	616	2,710	6,580	3,180	3,210	1,740	2,190	1,060	483	262	181	640
28	339	2,570	5,150	3,250	3,010	1,710	1,950	972	748	297	230	580
29	197	2,390	3,890	3,600	-----	1,560	1,870	930	979	262	230	540
30	958	2,420	3,490	3,390	-----	2,000	1,540	1,200	1,220	279	293	500
31	1,570	-----	3,290	3,270	-----	5,540	-----	1,100	-----	206	244	-----
TOTAL	10,611	46,952	71,290	64,800	54,514	114,780	157,530	73,832	21,865	14,628	8,236	14,799
MEAN	342	1,565	2,300	2,090	1,947	3,703	5,251	2,382	729	472	266	493
MAX	1,570	2,710	6,580	3,600	4,160	7,900	7,590	6,290	2,160	1,460	627	680
MIN	79	595	820	860	902	1,560	1,540	930	407	184	111	230

CAL YR 1973 TOTAL 644,365 MEAN 1,765 MAX 6,800 MIN 79
WTR YR 1974 TOTAL 653,837 MEAN 1,791 MAX 7,900 MIN 79

04227980 CONESUS LAKE NEAR LAKEVILLE, N.Y.

LOCATION.--Lat 42°47'39", long 77°43'15", Livingston County, on west shore of Conesus Lake at Geneseo Water Works Pumping Station, 300 ft (91 m) east of State Highway 256, and 3.0 mi (4.8 km) south of Lakeville.

DRAINAGE AREA.--69.7 mi² (181 km²).

PERIOD OF RECORD.--July 1963 to current year. Since 1930 in files of village of Geneseo.

GAGE.--Water-stage recorder. Datum of gage is 800.00 ft (243.840 m) above mean sea level. Prior to Oct. 1, 1970, nonrecording gage at site 200 ft (61 m) downstream at datum 3.41 ft (1.039 m) lower.

EXTREMES.--Current year: Maximum gage height, 19.57 ft (5.965 m) Apr. 14; minimum, 16.84 ft (5.133 m) Nov. 13-15.

Period of record: Maximum gage height, 22.50 ft (6.858 m) June 24, 1972; minimum observed, 16.33 ft (4.977 m) Nov. 3-8, 1963.

REMARKS.--Lake level maintained by plank and pile dam at outlet. Area of water surface, 5.08 mi² (13.2 km²). Daily average of about 2 ft³/s (0.057 m³/s) diverted from lake for water supply for Avon, Geneseo, and Lakeville Water District.

REVISIONS.--WRD N. Y. 1967: Drainage area.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.08	17.03	17.00	17.40	17.85	18.22	18.80	18.97	18.65	18.55	17.95	17.69
2	17.11	17.01	17.00	17.39	17.87	18.24	18.95	18.93	18.62	18.50	17.94	17.67
3	17.13	17.02	17.01	17.40	17.86	18.29	19.08	18.90	18.59	18.44	17.92	17.72
4	17.13	17.00	17.02	17.40	17.86	18.37	19.17	18.86	18.55	18.40	17.90	17.75
5	17.18	16.98	17.02	17.39	17.85	18.55	19.19	18.83	18.52	18.36	17.89	17.74
6	17.18	16.96	17.03	17.39	17.84	18.68	19.21	18.80	18.50	18.31	17.88	17.73
7	17.16	16.94	17.02	17.39	17.86	18.73	19.22	18.76	18.47	18.30	17.87	17.72
8	17.16	16.91	17.00	17.38	17.85	18.76	19.26	18.72	18.44	18.26	17.84	17.71
9	17.16	16.89	17.00	17.40	17.84	18.78	19.29	18.71	18.41	18.22	17.82	17.69
10	17.16	16.88	16.98	17.40	17.83	18.80	19.30	18.69	18.39	18.20	17.81	17.68
11	17.16	16.87	17.00	17.42	17.82	18.80	19.32	18.66	18.37	18.17	17.79	17.67
12	17.15	16.86	17.01	17.42	17.81	18.78	19.40	18.71	18.33	18.14	17.77	17.66
13	17.15	16.85	17.01	17.41	17.80	18.75	19.45	18.86	18.29	18.11	17.77	17.66
14	17.11	16.84	17.02	17.41	17.80	18.72	19.49	18.91	18.25	18.08	17.80	17.64
15	17.08	16.88	17.03	17.40	17.79	18.69	19.53	18.92	18.30	18.05	17.78	17.61
16	17.07	16.94	17.03	17.40	17.78	18.68	19.52	18.90	18.40	18.01	17.78	17.59
17	17.05	16.95	17.03	17.40	17.77	18.67	19.50	18.94	18.45	17.97	17.75	17.57
18	17.06	16.93	17.03	17.40	17.77	18.65	19.45	18.96	18.47	17.94	17.74	17.56
19	17.06	16.93	17.04	17.40	17.77	18.63	19.41	18.96	18.48	17.90	17.71	17.55
20	17.03	16.93	17.06	17.41	17.77	18.62	19.36	18.95	18.48	17.88	17.69	17.55
21	17.03	16.93	17.08	17.43	17.76	18.63	19.32	18.92	18.49	17.87	17.67	17.57
22	17.02	16.92	17.09	17.49	17.87	18.63	19.27	18.89	18.55	17.86	17.60	17.56
23	17.01	16.92	17.09	17.55	18.07	18.62	19.25	18.88	18.60	17.86	17.57	17.54
24	17.00	16.95	17.09	17.59	18.14	18.64	19.21	18.86	18.60	17.86	17.55	17.52
25	16.99	16.98	17.11	17.62	18.18	18.62	19.18	18.82	18.58	17.85	17.51	17.51
26	16.98	16.99	17.13	17.63	18.20	18.61	19.14	18.78	18.57	17.92	17.57	17.51
27	16.97	17.00	17.23	17.66	18.20	18.60	19.10	18.75	18.58	17.93	17.65	17.50
28	16.97	17.01	17.29	17.67	18.19	18.58	19.06	18.71	18.59	17.91	17.69	17.49
29	16.98	17.01	17.33	17.76	-----	18.57	19.02	18.71	18.61	17.89	17.70	17.49
30	17.03	17.00	17.35	17.80	-----	18.58	18.98	18.70	18.59	17.90	17.71	17.46
31	17.03	-----	17.38	17.84	-----	18.70	-----	18.68	-----	17.90	17.70	-----
MEAN	17.08	16.94	17.08	17.49	17.89	18.62	19.25	18.83	18.49	18.08	17.75	17.61
MAX	17.18	17.03	17.38	17.84	18.20	18.80	19.53	18.97	18.65	18.55	17.95	17.75
MIN	16.97	16.84	16.98	17.38	17.76	18.22	18.80	18.66	18.25	17.85	17.51	17.46
CAL YR 1973	MEAN 18.27		MAX 20.86	MIN 16.84								
WTR YR 1974	MEAN 17.92		MAX 19.53	MIN 16.84								

STREAMS TRIBUTARY TO LAKE ONTARIO

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 (revised). Prior to Oct. 1, 1973, at datum 0.11 ft (0.034 m) lower.

AVERAGE DISCHARGE.--19 years, 1,849 ft³/s (52.36 m³/s).

EXTREMES.--Current year: Maximum discharge, 8,200 ft³/s (232 m³/s) Apr. 12 (gage height, 30.10 ft (9.174 m)); minimum, 92 ft³/s (2.61 m³/s) Oct. 6 (gage height, 13.92 ft (4.243 m)).

Period of record: Maximum discharge, 16,500 ft³/s (467 m³/s) June 25, 1972 (gage height, 40.67 ft (12.396 m)); minimum, 56 ft³/s (1.59 m³/s) Oct. 5, 1955 (gage height, 13.73 ft (4.185 m), 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.

REVISIONS.--WRD N.Y. 1967: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	256	1,620	1,880	3,300	3,030	3,000	7,010	1,600	1,100	1,270	199	251
2	227	2,050	1,500	2,800	2,830	3,140	7,480	1,950	994	1,280	116	463
3	214	2,070	1,240	2,600	2,680	3,180	7,510	1,760	982	1,320	160	571
4	174	2,000	1,080	2,400	2,500	3,840	6,890	1,710	783	1,220	294	778
5	117	1,860	1,000	2,200	2,300	4,620	6,600	1,820	678	868	518	748
6	97	1,700	985	2,100	2,000	4,460	7,200	1,590	639	807	608	670
7	182	1,490	1,040	1,900	1,700	5,550	7,190	1,570	630	810	599	641
8	356	1,200	1,050	1,600	1,500	5,590	7,280	1,640	663	708	391	629
9	351	826	1,280	1,400	1,400	5,420	7,330	1,500	621	531	282	609
10	340	781	1,410	1,200	1,200	5,540	7,570	1,710	513	495	147	596
11	333	1,110	1,870	1,060	1,200	5,500	7,910	1,930	474	433	250	574
12	329	1,110	1,790	1,000	1,100	7,180	8,040	1,880	474	367	367	552
13	293	1,070	1,480	960	1,100	7,550	6,920	3,570	477	388	304	534
14	252	1,080	1,100	920	1,300	7,020	6,270	5,030	468	378	224	560
15	234	1,140	1,000	880	1,600	5,860	6,890	6,090	465	337	211	791
16	168	1,040	960	880	1,500	4,230	6,920	5,120	501	278	203	486
17	186	1,810	900	920	1,200	3,280	7,300	2,480	684	268	224	314
18	192	1,860	860	1,000	1,000	2,460	7,070	2,220	1,690	260	431	298
19	215	1,730	1,000	1,100	980	1,950	6,390	3,810	1,740	261	440	290
20	236	1,400	1,700	1,400	1,000	2,120	5,000	3,990	1,380	257	238	279
21	272	939	2,220	2,260	1,200	2,090	4,030	4,640	1,440	253	239	282
22	271	771	4,380	2,600	2,050	2,050	2,770	3,320	1,540	241	206	386
23	453	714	4,610	3,400	5,140	1,910	2,340	1,580	795	205	185	764
24	493	684	3,250	3,640	4,090	2,160	2,700	1,530	651	203	167	791
25	547	1,030	2,530	3,290	3,500	2,470	2,660	1,490	699	213	154	836
26	676	1,650	2,510	3,020	3,160	2,060	2,670	1,350	522	213	145	816
27	692	2,260	4,600	2,930	3,050	1,940	2,360	1,190	507	210	169	774
28	580	2,310	5,600	2,980	2,880	1,870	2,030	1,080	570	288	221	655
29	344	2,080	4,600	3,540	-----	1,770	1,890	1,040	899	299	254	611
30	359	2,060	4,100	3,530	-----	1,750	1,740	1,120	973	298	258	594
31	1,250	-----	3,800	3,220	-----	5,340	-----	1,240	-----	287	294	-----
TOTAL	10,689	43,445	67,325	66,030	58,190	116,900	165,960	72,550	24,552	15,246	8,498	17,143
MEAN	345	1,448	2,172	2,130	2,078	3,771	5,532	2,340	818	492	274	571
MAX	1,250	2,310	5,600	3,640	5,140	7,550	8,040	6,090	1,740	1,320	608	836
MIN	97	684	860	880	980	1,750	1,740	1,040	465	203	116	251
CAL YR 1973	TOTAL 717,245	MEAN 1,965	MAX 9,480	MIN 97								
WTR YR 1974	TOTAL 666,528	MEAN 1,826	MAX 8,040	MIN 97								

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LOCATION.--Lat 42°45'44", long 77°30'21", Ontario County, on east shore of Honeoye Lake, at Trident Marina on East Lake Road, 1.9 mi (3.1 km) south of U.S. Highway 20A, and 2.0 mi (3.2 km) southeast of Honeoye.

PERIOD OF RECORD.--July to December 1963. Occasional readings January to August 1964. October 1964 to current year.

EXTREMES.--Current year: Maximum gage height, 4.11 ft (1.253 m) Apr. 9; minimum, 2.65 ft (0.808 m) Oct. 27-28.

Period of record: Maximum gage height, 6.91 ft (2.106 m) June 23, 1972; minimum observed, 2.15 ft (0.655 m) Oct. 5, 1965, Oct.

REMARKS.--Area of water surface, 2.71.mi² (7.02 km²).

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.68	2.77	3.05	3.61	3.72	3.72	3.69	3.66	3.60	3.49	3.08	3.17
2	2.70	2.77	3.06	3.60	3.70	3.73	3.81	3.65	3.57	3.47	3.07	3.17
3	2.69	2.78	3.06	3.59	3.68	3.77	3.93	3.64	3.55	3.43	3.07	3.24
4	2.70	2.77	3.07	3.57	3.66	3.85	4.04	3.62	3.53	3.42	3.09	3.29
5	2.73	2.77	3.09	3.56	3.64	4.01	4.08	3.61	3.52	3.41	3.11	3.28
6	2.73	2.76	3.10	3.55	3.61	4.08	4.07	3.61	3.50	3.38	3.10	3.28
7	2.73	2.74	3.09	3.54	3.63	4.07	4.07	3.59	3.47	3.36	3.08	3.27
8	2.73	2.74	3.09	3.53	3.62	4.03	4.09	3.56	3.44	3.34	3.09	3.27
9	2.72	2.73	3.12	3.52	3.60	4.00	4.09	3.58	3.41	3.32	3.08	3.27
10	2.72	2.73	3.19	3.52	3.59	3.97	4.07	3.57	3.43	3.29	3.07	3.26
11	2.72	2.72	3.20	3.53	3.57	3.94	4.07	3.56	3.42	3.25	3.07	3.26
12	2.72	2.72	3.20	3.52	3.56	3.89	4.09	3.61	3.41	3.23	3.05	3.26
13	2.72	2.72	3.24	3.51	3.55	3.83	4.08	3.71	3.39	3.21	3.04	3.27
14	2.72	2.72	3.22	3.50	3.55	3.79	4.06	3.72	3.37	3.19	3.02	3.25
15	2.69	2.75	3.22	3.49	3.54	3.75	4.05	3.71	3.39	3.18	3.01	3.23
16	2.68	2.82	3.22	3.49	3.53	3.75	4.01	3.70	3.46	3.15	3.00	3.24
17	2.67	2.84	3.21	3.48	3.52	3.74	3.96	3.75	3.46	3.13	3.04	3.23
18	2.68	2.85	3.22	3.47	3.51	3.72	3.91	3.78	3.45	3.12	3.06	3.22
19	2.69	2.86	3.22	3.48	3.51	3.71	3.87	3.78	3.45	3.10	3.05	3.21
20	2.69	2.87	3.24	3.48	3.50	3.69	3.83	3.76	3.45	3.07	3.05	3.21
21	2.68	2.90	3.31	3.50	3.50	3.69	3.79	3.75	3.53	3.06	3.04	3.23
22	2.68	2.89	3.33	3.54	3.60	3.69	3.77	3.73	3.56	3.04	3.03	3.25
23	2.68	2.89	3.34	3.58	3.75	3.67	3.77	3.72	3.54	3.03	3.02	3.24
24	2.68	2.91	3.35	3.62	3.75	3.67	3.76	3.72	3.53	3.03	3.00	3.22
25	2.68	2.95	3.36	3.63	3.75	3.65	3.76	3.69	3.52	3.03	2.99	3.23
26	2.67	2.97	3.42	3.64	3.73	3.63	3.73	3.65	3.54	3.03	2.98	3.24
27	2.66	3.00	3.52	3.65	3.71	3.62	3.71	3.63	3.52	3.03	3.02	3.23
28	2.66	3.04	3.56	3.66	3.69	3.60	3.69	3.61	3.51	3.03	3.12	3.24
29	2.69	3.06	3.59	3.71	-----	3.59	3.67	3.62	3.55	3.05	3.15	3.25
30	2.74	3.06	3.59	3.73	-----	3.60	3.64	3.62	3.53	3.11	3.18	3.23
31	2.74	-----	3.60	3.74	-----	3.65	-----	3.62	-----	3.09	3.18	-----
MEAN	2.70	2.84	3.26	3.57	3.62	3.78	3.91	3.66	3.49	3.20	3.06	3.24
MAX	2.74	3.06	3.60	3.74	3.75	4.08	4.09	3.78	3.60	3.49	3.18	3.29
MIN	2.66	2.72	3.05	3.47	3.50	3.59	3					

STREAMS TRIBUTARY TO LAKE ONTARIO

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 Canadice 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.--71 years, 11.6 ft³/s (0.329 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 1972 TO SEPTEMBER 1973

04228950 CANADICE LAKE

04229000 CANADICE OUTLET

	† Elevation FT	Contents CU FT	Change in contents CFS	Observed discharge	‡ Adjusted for change in contents in Canadice Lake		
				MEAN	MEAN	CFSM	IN.
October	1,096.15	404.80	-5.38	0	-5.38	-0.43	-.50
November	1,094.24	346.20	-22.6	22.0	-.61	-.05	-.05
December	1,092.76	304.28	-15.6	.69	-15.0	-1.21	-1.39
CAL YR 1973			-5.45	10.8	5.35	.43	5.86
January	1,092.37	293.36	-4.08	.19	-3.89	-.31	-.36
February	1,092.36	293.08	-.12	3.18	+3.07	+.25	.26
March	1,092.70	302.60	+3.55	14.2	+17.7	+1.43	1.65
April	1,094.73	360.90	+22.5	8.60	+31.1	+2.51	2.80
May	1,095.74	391.94	+11.6	6.79	+18.4	+1.48	1.71
June	1,096.09	402.88	+4.22	0	+4.22	+.34	.38
July	1,095.96	398.76	-1.54	0	-1.54	-.12	-.14
August	1,094.98	368.40	-11.3	12.9	+1.59	+.13	.15
September	1,093.22	317.16	-19.8	60.8	+41.1	+3.31	3.69
WTR YR 1974			-3.24	10.7	7.48	.60	8.18

† 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.

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.--27 years (1946-70, 1973-74), 110 ft³/s (3.115 m³/s).

EXTREMES.--Current year: Maximum discharge, 1,070 ft³/s (30.3 m³/s) Feb. 22 (gage height, 3.41 ft (1.039 m)); minimum, 0.30 ft³/s (0.008 m³/s) Aug. 14 (gage height, 0.20 ft (0.061 m)).

Period of record: Maximum discharge, 4,630 ft³/s (131 m³/s) Mar. 28, 1950 (gage height, 6.42 ft (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 (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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.51	15	29	60	140	162	569	106	82	49	19	14
2	2.6	14	23	50	81	221	689	109	70	39	12	11
3	2.6	16	20	46	74	221	816	104	60	31	8.8	21
4	1.9	14	19	45	68	310	550	115	53	29	11	95
5	7.3	13	19	43	60	556	438	100	49	26	20	65
6	7.7	12	18	41	58	569	338	92	44	23	23	34
7	8.4	11	17	40	56	347	322	97	41	21	14	23
8	8.0	9.6	16	39	54	279	364	90	37	19	9.6	17
9	6.6	8.8	17	40	52	254	355	88	35	17	6.9	13
10	5.2	8.0	25	38	50	276	322	99	31	14	4.8	11
11	3.9	7.3	47	36	48	234	409	93	26	13	3.5	8.8
12	2.4	6.2	47	35	49	196	483	97	25	11	2.4	7.7
13	1.7	5.9	39	34	52	155	400	283	26	9.6	1.9	6.9
14	1.3	5.9	41	35	60	126	347	224	25	8.0	1.3	6.6
15	1.1	10	56	36	66	110	419	155	25	6.6	.92	6.2
16	1.5	34	45	45	62	100	326	128	34	5.6	.63	5.2
17	1.5	46	40	40	56	120	254	147	44	4.5	1.5	4.5
18	1.7	31	35	42	56	90	214	193	32	3.5	2.2	5.6
19	2.7	23	25	50	58	100	187	147	24	2.7	3.2	4.2
20	2.4	20	15	70	70	110	170	124	20	1.9	4.5	4.5
21	4.2	18	140	184	90	120	152	109	334	1.3	6.2	5.9
22	5.2	16	291	409	386	100	142	104	544	.63	5.6	12
23	4.8	15	244	279	848	110	155	104	145	.92	3.9	19
24	4.2	16	251	234	326	120	165	113	65	1.1	2.7	15
25	3.9	20	291	170	187	100	179	107	47	.51	1.7	12
26	3.2	35	117	119	133	120	150	92	41	1.7	.92	14
27	2.7	36	338	122	128	110	124	84	47	2.2	3.2	19
28	3.2	34	294	117	124	100	111	82	41	4.5	3.0	17
29	6.2	41	150	237	-----	110	104	95	40	6.2	6.6	13
30	7.7	36	106	247	-----	120	100	150	52	34	15	11
31	13	-----	74	179	-----	473	-----	109	-----	28	18	-----
TOTAL	129.31	577.7	2,889	3,162	3,492	6,119	9,354	3,740	2,139	415.46	217.97	502.1
MEAN	4.17	19.3	93.2	102	125	197	312	121	71.3	13.4	7.03	16.7
MAX	13	46	338	409	848	569	816	283	544	49	23	95
MIN	.51	5.9	15	34	48	90	100	82	20	.51	.63	4.2
CAL YR 1973	TOTAL 58,467.06		MEAN 160		MAX 2,360		MIN .40					
WTR YR 1974	TOTAL 32,737.54		MEAN 89.7		MAX 848		MIN .51					

STREAMS TRIBUTARY TO LAKE ONTARIO

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.--10 years (1964-74), 49.1 ft³/s (1.391 m³/s) (15.91 in/yr or 404.1 mm/yr).EXTREMES.--Current year: Maximum discharge, 1,120 ft³/s (31.7 m³/s) Apr. 2 (gage height, 5.36 ft or 1.634 m); minimum, 1.0 ft³/s (0.028 m³/s) July 22-23, (gage height, 1.09 ft or 0.332 m).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.

REVISIONS.--WRD N.Y. 1966: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.9	23	36	38	70	84	268	49	32	12	2.6	6.0
2	2.2	16	27	30	48	86	841	38	22	9.2	1.8	4.8
3	3.4	19	25	32	39	301	445	40	18	9.8	3.6	38
4	3.0	12	23	29	33	346	373	40	16	7.2	37	19
5	12	9.2	27	24	27	541	160	33	14	6.6	14	9.8
6	6.5	7.8	29	25	23	167	124	44	13	6.0	6.6	6.6
7	4.3	7.1	23	23	22	118	132	41	11	5.3	4.2	6.0
8	3.8	6.5	19	21	21	96	147	37	10	4.2	3.6	4.8
9	3.4	6.5	26	20	21	114	103	52	9.8	4.2	7.2	4.2
10	3.4	5.9	29	20	21	122	105	51	9.2	3.6	4.8	3.6
11	3.4	5.9	23	20	22	76	169	40	8.6	3.6	3.6	3.1
12	3.4	6.5	22	19	23	68	174	172	9.2	3.6	3.1	3.1
13	3.4	7.1	21	18	25	60	145	143	8.6	3.1	3.6	3.1
14	3.0	5.9	20	17	26	52	140	73	7.9	2.6	2.6	3.1
15	3.4	41	18	22	23	48	156	52	14	3.1	2.6	2.6
16	3.4	81	16	26	22	48	97	53	27	3.1	2.2	2.6
17	3.4	34	16	38	23	49	75	265	34	2.6	9.8	2.2
18	6.5	23	15	33	23	67	69	99	18	3.1	7.2	11
19	7.1	22	14	35	24	56	67	62	14	2.6	4.2	6.0
20	5.3	17	24	42	25	55	61	49	14	2.2	3.1	9.2
21	4.8	15	96	120	30	59	54	40	21	1.8	2.6	20
22	4.3	15	60	102	340	61	54	37	18	1.4	2.2	17
23	3.8	13	44	169	193	65	77	40	13	2.6	2.2	9.8
24	3.8	18	35	106	118	60	84	43	12	4.8	2.2	7.9
25	3.4	44	37	66	84	56	73	34	11	3.6	2.2	7.9
26	3.4	38	220	51	80	52	64	32	12	4.2	1.8	10
27	3.4	39	259	82	74	50	55	29	11	4.2	3.1	7.2
28	4.3	53	112	73	60	50	48	26	9.9	2.2	5.3	6.6
29	12	86	70	79	-----	49	44	34	19	3.1	8.6	9.8
30	35	51	62	75	-----	149	43	32	15	7.2	7.9	14
31	13	-----	54	100	-----	418	-----	26	-----	3.6	4.8	-----
TOTAL	177.4	728.4	1,502	1,555	1,540	3,623	4,447	1,806	452.2	136.4	170.3	259.0
MEAN	5.72	24.3	48.5	50.2	55.0	117	148	58.3	15.1	4.40	5.49	8.63
MAX	35	86	259	169	340	541	841	265	34	12	37	38
MIN	1.9	5.9	14	17	21	48	43	26	7.9	1.4	1.8	2.2
CFSM	.14	.58	1.16	1.20	1.31	2.79	3.53	1.39	.36	.11	.13	.21
IN.	.16	.65	1.33	1.38	1.37	3.22	3.95	1.60	.40	.12	.15	.23

CAL YR 1973 TOTAL 16,362.1 MEAN 44.8 MAX 649 MIN 1.9 CFSM 1.07 IN 14.53
WTR YR 1974 TOTAL 16,396.7 MEAN 44.9 MAX 841 MIN 1.4 CFSM 1.07 IN 14.56

PEAK DISCHARGE (BASE, 690 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
03-05	0730	4.99	992	2-22	1900	4.33	769
04-02	1400	5.36	1,120				

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.--29 years, 201 ft³/s (5.692 m³/s) (13.38 in/yr (339.9 mm/yr)).

EXTREMES.--Current year: Maximum discharge, 2,400 ft³/s (68.0 m³/s) Apr. 3 (gage height, 5.82 ft (1.774 m)); minimum, 22 ft³/s (0.62 m³/s) Oct. 26 (gage height, 2.23 ft (0.680 m)).
Period of record: Maximum discharge, 7,050 ft³/s (200 m³/s) Mar. 31, 1960 (gage height, 8.64 ft (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.

REVISIONS.--WRD N.Y. 1966: Drainage area. WRD N.Y. 1971: 1960(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	29	128	225	370	337	1,710	227	162	135	53	44
2	27	28	91	164	320	406	1,780	223	168	125	50	46
3	27	30	74	150	240	460	2,180	214	139	116	48	56
4	25	28	65	140	210	676	1,890	202	118	105	76	53
5	34	28	63	130	180	1,290	1,200	199	105	99	106	59
6	29	27	63	120	160	1,700	861	192	97	94	93	58
7	27	27	59	110	150	1,230	701	198	89	89	75	49
8	27	27	59	100	140	701	738	204	83	81	62	45
9	25	27	57	100	140	524	710	204	81	79	57	44
10	25	27	61	98	140	513	640	219	78	76	54	43
11	25	27	61	96	130	501	719	220	72	72	53	43
12	25	27	60	94	130	424	801	230	57	70	52	44
13	25	27	58	90	140	346	788	363	51	68	51	44
14	24	27	58	90	150	282	699	445	50	66	51	44
15	25	42	56	94	170	256	730	369	70	64	49	44
16	25	59	54	110	160	257	680	258	160	61	49	44
17	25	86	52	150	150	278	546	266	200	60	55	45
18	27	86	50	170	150	234	445	356	100	59	53	50
19	27	55	50	160	140	275	388	390	68	57	49	47
20	25	42	52	170	150	309	355	279	140	56	49	51
21	25	37	56	360	160	339	323	233	660	54	47	54
22	24	36	80	480	360	326	306	210	1,020	52	46	53
23	24	33	110	400	1,130	290	311	198	410	53	44	53
24	24	34	100	500	922	270	345	190	265	54	44	53
25	24	42	90	700	893	260	357	189	208	51	44	51
26	22	51	229	440	472	260	332	182	182	51	44	51
27	23	76	612	300	355	270	285	168	164	55	49	47
28	24	86	767	380	336	270	255	159	150	50	47	46
29	29	97	721	460	-----	270	237	171	145	57	46	44
30	30	119	433	494	-----	288	224	163	140	73	45	44
31	28	-----	304	438	-----	1,170	-----	161	-----	59	44	-----
TOTAL	800	1,367	4,773	7,513	8,148	15,012	21,536	7,282	5,432	2,241	1,685	1,449
MEAN	25.8	45.6	154	242	291	484	718	235	181	72.3	54.4	48.3
MAX	34	119	767	700	1,130	1,700	2,180	445	1,020	135	106	59
MIN	22	27	50	90	130	234	224	159	50	50	44	43
CFSM	.13	.22	.75	1.19	1.43	2.37	3.52	1.15	.89	.35	.27	.24
IN.	.15	.25	.87	1.37	1.49	2.74	3.93	1.33	.99	.41	.31	.26

CAL YR 1973 TOTAL 83,823 MEAN 230 MAX 3,270 MIN 22 CFSM 1.13 IN 15.29
WTR YR 1974 TOTAL 77,238 MEAN 212 MAX 2,180 MIN 22 CFSM 1.04 IN 14.08

PEAK DISCHARGE (BASE 1,500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
3-05	2200	5.19	1,740	6-22	0115	5.10	1,660
4-03	2115	5.82	2,400				

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, 15.92 ft (4.852 m) Apr. 3; minimum, 8.21 ft (2.502 m) Dec. 20.

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.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.64	12.80	9.98	10.55	11.26	12.63	15.18	12.02	11.97	12.02	11.88	11.90
2	11.61	12.98	10.78	10.25	11.08	12.75	15.52	12.21	11.85	12.07	11.73	12.01
3	11.59	13.10	10.44	10.17	10.89	12.70	15.76	11.70	11.99	12.01	11.73	12.00
4	11.63	13.10	9.23	10.12	10.86	13.06	15.26	11.98	11.95	12.01	11.81	11.86
5	11.54	13.10	9.54	9.99	10.98	13.53	14.65	12.07	11.72	11.94	11.73	11.84
6	11.38	12.70	9.63	10.03	12.47	13.87	14.52	11.55	11.93	11.88	11.78	11.88
7	11.46	12.10	8.45	9.85	12.63	14.18	14.34	11.74	11.94	11.97	11.87	11.72
8	11.59	11.70	8.53	9.54	12.07	13.91	14.35	12.00	12.02	11.84	11.92	11.94
9	11.65	11.75	8.50	11.15	11.40	13.50	14.48	11.89	11.89	11.88	11.88	11.90
10	11.83	11.80	8.61	11.04	10.96	13.55	14.53	12.08	12.01	11.85	11.75	11.82
11	11.95	11.88	8.84	9.90	10.71	13.60	14.69	12.12	11.95	11.90	11.79	11.97
12	12.00	11.92	8.71	9.40	10.52	14.09	14.85	12.14	11.95	11.88	11.92	11.85
13	11.94	11.98	8.38	8.95	10.54	14.24	14.47	12.67	11.95	11.88	11.93	11.99
14	11.92	12.00	8.25	8.90	10.42	13.96	14.04	13.29	12.01	11.86	11.83	11.98
15	11.91	12.02	8.22	8.86	10.17	13.58	14.26	13.60	11.92	11.95	11.81	11.94
16	11.94	12.05	8.30	8.73	10.20	13.02	14.28	13.23	11.92	11.87	11.86	11.95
17	11.88	12.05	8.78	9.21	10.43	12.66	14.28	12.56	11.98	11.90	11.71	11.96
18	11.90	12.10	8.58	9.07	10.17	12.39	14.23	12.52	12.25	11.92	11.75	11.95
19	11.80	12.10	8.44	9.44	10.03	12.11	13.88	13.13	12.17	11.87	11.81	12.02
20	11.65	12.03	8.73	9.32	9.93	12.06	13.34	13.03	12.14	11.63	11.81	12.03
21	11.52	12.00	8.88	9.69	10.18	12.43	12.97	13.19	12.21	11.77	11.76	11.98
22	11.50	11.98	10.34	10.75	10.73	12.47	12.35	12.75	12.58	11.84	11.64	11.75
23	11.38	11.97	11.46	11.57	13.25	12.35	12.02	12.03	12.13	11.76	11.64	11.96
24	11.60	12.03	10.42	11.41	12.67	12.44	12.22	12.19	12.03	11.84	11.77	12.10
25	11.70	11.98	9.59	11.16	12.55	12.42	12.38	12.06	12.08	11.91	11.71	12.12
26	11.85	11.85	9.69	10.68	12.93	12.25	12.43	12.03	12.04	11.89	11.66	12.05
27	11.98	12.01	11.30	10.50	12.49	11.98	12.25	11.87	11.99	11.71	11.69	12.09
28	12.08	12.00	12.21	10.55	12.54	11.39	11.98	12.08	12.01	11.79	11.94	12.03
29	12.28	11.31	11.82	11.36	-----	11.16	11.96	12.09	12.07	11.95	12.03	11.93
30	12.48	10.17	11.12	11.69	-----	11.50	11.89	12.02	12.02	11.83	12.09	12.04
31	12.62	-----	10.72	11.45	-----	13.72	-----	12.05	-----	11.83	12.06	-----
MEAN	11.80	12.09	9.56	10.17	11.25	12.89	13.78	12.32	12.02	11.88	11.82	11.95
MAX	12.62	13.10	12.21	11.69	13.25	14.24	15.76	13.60	12.58	12.07	12.09	12.12
MIN	11.38	10.17	8.22	8.73	9.93	11.16	11.89	11.55	11.72	11.63	11.64	11.72

WTR YR 1974 MEAN 11.79 MAX 15.76 MIN 8.22

NOTE.--No gage-height record Oct. 19 to Nov. 19.

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.--29 years, 110 ft³/s (3.115 m³/s) (12.14 in/yr (308.4 mm/yr)).

EXTREMES.--Current year: Maximum discharge, 1,470 ft³/s (41.6 m³/s) Apr. 1 (gage height, 5.89 ft (1.795 m)); minimum, 7.8 ft³/s (0.22 m³/s) Oct. 15; minimum gage height, 1.37 ft (0.418 m) Oct. 1.

Period of record: Maximum discharge, 4,880 ft³/s (138 m³/s) Mar. 31, 1960 (gage height, 9.44 ft (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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.8	43	98	187	257	230	1,410	118	94	68	55	21
2	11	46	75	130	164	254	1,150	113	90	61	39	21
3	11	42	61	110	140	276	954	110	85	54	31	28
4	11	37	54	100	130	318	731	107	81	50	48	47
5	20	30	57	90	120	554	437	105	58	43	71	43
6	21	25	76	82	110	968	335	108	45	39	68	38
7	15	21	84	82	100	696	287	115	40	35	51	35
8	17	20	68	80	94	369	321	119	37	32	34	31
9	13	19	64	78	90	277	382	125	51	29	29	25
10	10	18	81	76	88	244	352	137	68	28	27	22
11	9.8	17	99	72	84	222	364	144	51	27	25	22
12	9.8	17	87	72	82	195	408	167	46	26	25	20
13	11	18	75	70	86	160	386	229	42	25	30	19
14	11	19	105	70	90	132	322	250	35	23	25	17
15	10	42	115	70	94	124	315	201	34	22	23	18
16	11	121	80	72	84	129	351	152	64	22	21	16
17	11	150	60	84	82	146	270	525	101	21	23	19
18	11	114	54	112	78	122	211	558	110	22	27	28
19	12	81	46	80	74	174	179	391	91	22	26	28
20	13	62	47	83	80	228	161	257	87	22	22	28
21	12	50	90	129	92	230	148	179	124	20	20	30
22	12	45	122	309	358	200	142	146	237	20	18	35
23	13	40	136	654	707	194	145	124	656	20	17	34
24	12	42	122	592	1,090	204	163	122	598	27	16	28
25	12	75	104	468	648	186	181	114	244	26	15	27
26	11	104	209	316	362	195	172	94	114	28	16	28
27	11	105	528	265	239	178	151	82	82	40	16	32
28	14	121	893	273	197	180	133	75	66	39	22	28
29	28	137	637	374	-----	168	123	88	64	30	25	31
30	42	126	340	446	-----	186	119	115	71	68	23	26
31	41	-----	216	365	-----	721	-----	107	-----	87	22	-----
TOTAL	455.4	1,787	4,883	5,991	5,820	8,460	10,803	5,277	3,566	1,076	910	825
MEAN	14.7	59.6	158	193	208	273	360	170	119	34.7	29.4	27.5
MAX	42	150	893	654	1,090	968	1,410	558	656	87	71	47
MIN	8.8	17	46	70	74	122	119	75	34	20	15	16
CFSM	.12	.48	1.28	1.57	1.69	2.22	2.93	1.38	.97	.28	.24	.22
IN.	.14	.54	1.48	1.81	1.76	2.56	3.27	1.60	1.08	.33	.28	.25
CAL YR 1973	TOTAL 51,915.0	MEAN 142	MAX 1,480	MIN 8.8	CFSM 1.15	IN 15.70						
WTR YR 1974	TOTAL 49,853.4	MEAN 137	MAX 1,410	MIN 8.8	CFSM 1.11	IN 15.08						

PEAK DISCHARGE (BASE, 800 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-28	1230	4.88	941	3-06	1330	5.06	1,030
02-24	0800	5.42	1,210	4-01	1100	5.89	1,470

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.--67 years (1905-18, 1920-74), 2,716 ft³/s (76.92 m³/s) (15.01 in/yr (381.3 mm/yr)).

EXTREMES.--Current year: Maximum discharge, 15,300 ft³/s (433 m³/s) Apr. 2 (gage height, 11.66 ft (3.554 m)); minimum, 70 ft³/s (1.98 m³/s) Oct. 6 (gage height, 0.65 ft (0.198 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 fair. 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	740	2,330	2,610	5,020	5,300	4,240	12,000	1,980	2,390	2,370	792	725
2	640	2,710	1,950	4,270	4,660	4,680	13,100	2,530	2,080	2,120	780	694
3	625	2,980	1,850	4,100	4,190	4,780	13,600	2,380	2,060	2,490	729	1,550
4	568	2,640	1,670	4,010	4,040	5,860	12,200	1,480	1,770	2,080	1,760	1,320
5	1,090	2,520	1,340	3,660	3,570	8,040	10,400	2,000	1,670	1,880	1,430	1,490
6	347	2,400	2,100	3,510	3,440	8,810	9,910	1,410	1,440	1,430	1,320	1,230
7	551	2,200	2,330	3,660	3,130	9,330	9,660	1,030	1,280	1,740	1,210	1,250
8	717	1,780	1,920	2,930	3,000	8,830	9,570	2,510	1,520	1,470	926	976
9	663	1,380	2,220	2,530	2,700	7,920	9,730	2,000	1,480	1,180	824	1,120
10	578	1,210	2,410	2,340	2,410	7,780	9,840	2,720	1,540	1,210	736	1,200
11	662	1,520	2,980	2,020	2,450	7,640	10,500	3,080	1,390	1,180	595	874
12	586	1,510	3,180	1,910	2,350	8,940	10,700	3,590	1,420	1,100	759	1,140
13	671	1,480	2,800	1,800	2,530	9,550	9,770	4,860	1,290	1,070	764	865
14	602	1,560	2,550	1,560	2,580	8,830	8,630	6,780	1,120	1,070	705	1,040
15	530	2,160	2,460	1,910	2,650	7,960	9,110	7,920	1,620	1,110	605	1,070
16	633	2,150	2,360	1,990	2,220	5,830	8,910	7,450	1,390	1,030	619	1,080
17	559	2,500	1,820	1,990	2,390	4,560	9,010	7,640	1,290	870	864	712
18	652	2,760	1,430	2,350	2,420	3,650	8,790	4,960	1,330	1,010	642	990
19	612	2,620	1,530	2,040	2,290	3,050	7,910	5,840	2,180	976	1,040	597
20	510	2,260	1,680	2,470	2,360	3,160	6,370	5,690	2,920	857	591	803
21	547	1,590	1,750	3,270	2,150	3,390	4,990	5,980	3,470	739	702	963
22	716	1,410	3,170	4,630	4,130	3,330	4,230	5,190	4,690	714	673	496
23	755	1,330	4,670	6,540	9,320	3,150	3,330	3,180	2,860	841	523	464
24	924	1,410	3,840	6,990	8,160	3,380	3,840	2,520	2,290	764	479	1,210
25	829	1,810	3,130	6,540	6,270	3,950	3,800	2,790	2,340	748	566	1,370
26	897	2,570	3,530	5,630	5,200	3,400	3,810	2,490	1,690	874	494	1,390
27	1,070	3,320	6,150	5,260	4,470	3,340	3,580	2,440	1,610	848	503	1,170
28	869	3,420	8,280	5,170	4,230	3,310	2,930	1,980	1,480	679	493	1,210
29	834	3,390	7,540	5,870	-----	3,000	2,680	2,390	1,660	1,090	688	1,100
30	579	3,160	6,430	6,580	-----	2,530	2,360	2,370	2,100	1,090	614	1,080
31	1,460	-----	5,440	5,860	-----	7,330	-----	2,520	-----	987	771	-----
TOTAL	22,016	66,080	97,120	118,410	104,610	173,550	235,260	111,700	57,370	37,617	24,197	31,179
MEAN	710	2,203	3,133	3,820	3,736	5,598	7,842	3,603	1,912	1,213	781	1,039
MAX	1,460	3,420	8,280	6,990	9,320	9,550	13,600	7,920	4,690	2,490	1,760	1,550
MIN	347	1,210	1,340	1,560	2,150	2,530	2,360	1,030	1,120	679	479	464

CAL YR 1973 TOTAL 1,109,542 MEAN 3,040 MAX 17,400 MIN 347
WTR YR 1974 TOTAL 1,079,109 MEAN 2,956 MAX 13,600 MIN 347

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.--Maximum discharge during period of record, 1,340 ft³/s (37.9 m³/s) May 17 (gage height, 15.39 ft or 4.691 m); minimum, 26 ft³/s (0.74 m³/s) Sept. 27, 1973 (gage height, 11.32 ft or 3.450 m).

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, FOR THE PERIOD AUGUST AND SEPTEMBER 1973

AUG						SEP					
DAY	CFS	DAY	CFS	DAY	CFS	DAY	CFS	DAY	CFS	DAY	CFS
1	52	11	37	21	38	1	30	11	29	21	33
2	44	12	38	22	38	2	32	12	29	22	35
3	38	13	37	23	36	3	34	13	30	23	36
4	34	14	37	24	35	4	57	14	32	24	35
5	33	15	39	25	35	5	70	15	31	25	30
6	34	16	38	26	34	6	42	16	32	26	29
7	32	17	36	27	41	7	35	17	42	27	27
8	33	18	42	28	43	8	31	18	38	28	41
9	31	19	42	29	38	9	32	19	34	29	43
10	36	20	39	30	31	10	30	20	31	30	42
				31	31						
TOTAL					1,152						1,072
MEAN					37.2						35.7
MAX					52						70
MIN					31						27
CFSM					.40						.38
IN.					.46						.43

STREAMS TRIBUTARY TO LAKE ONTARIO

04232047 IRONDEQUOIT CREEK AT EAST ROCHESTER, N.Y.--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	53	95	73	94	115	109	479	86	86	48	51	56
2	83	69	66	72	92	106	518	82	71	42	51	57
3	57	71	63	66	90	106	520	79	64	42	89	125
4	76	57	58	64	82	127	460	76	58	40	185	112
5	101	54	58	60	70	258	330	82	56	39	117	69
6	76	57	53	58	66	220	240	94	53	38	71	56
7	57	59	50	54	68	136	180	74	54	38	57	52
8	56	58	48	50	68	112	160	83	52	39	52	49
9	52	52	66	52	68	110	180	76	51	40	49	48
10	50	48	107	54	68	114	180	81	56	48	46	46
11	49	46	110	54	70	100	160	97	60	52	44	44
12	48	46	94	50	70	91	190	157	57	51	44	46
13	48	48	88	47	82	76	200	216	52	49	48	46
14	50	49	115	50	88	70	150	127	51	53	51	44
15	52	151	97	56	76	70	140	97	60	61	50	48
16	52	190	78	64	76	85	180	86	91	53	50	46
17	54	103	64	68	75	91	140	1,040	73	46	65	50
18	56	83	54	58	70	73	110	500	66	40	63	101
19	57	76	54	60	78	100	100	213	74	36	59	59
20	58	71	72	66	89	117	90	144	64	34	53	71
21	53	70	129	120	94	149	84	117	136	36	51	94
22	51	79	107	285	360	127	80	101	305	36	50	85
23	48	69	90	270	504	120	100	103	100	44	50	60
24	46	88	74	223	220	130	110	91	61	50	52	53
25	46	107	72	155	150	110	120	81	52	42	52	57
26	46	103	210	124	98	120	110	74	53	60	56	59
27	46	98	390	124	103	122	90	71	52	78	63	54
28	54	118	280	127	103	129	80	69	50	43	134	51
29	76	98	171	263	-----	117	74	106	60	85	81	51
30	88	82	134	205	-----	146	78	103	56	114	70	51
31	65	-----	110	144	-----	417	-----	85	-----	64	59	-----
TOTAL	1,804	2,395	3,235	3,237	3,193	3,958	5,633	4,491	2,174	1,541	2,013	1,840
MEAN	58.2	79.8	104	104	114	128	188	145	72.5	49.7	64.9	61.3
MAX	101	190	390	285	504	417	520	1,040	305	114	185	125
MIN	46	46	48	47	66	70	74	69	50	34	44	44
CFSM	.63	.86	1.12	1.12	1.23	1.38	2.03	1.56	.78	.54	.70	.66
IN.	.72	.96	1.30	1.30	1.28	1.59	2.26	1.80	.87	.62	.81	.74

WTR YR 1974 TOTAL 35,514 MEAN 97.3 MAX 1,040 MIN 34 CFSM 1.05 IN 14.24

PEAK DISCHARGE (BASE, 1,300 CFS).--May 17 (0900) 1,340 cfs (15.39 ft).

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.--14 years (1960-74), 31.6 ft³/s (0.895 m³/s).

EXTREMES.--Current year: Maximum discharge, 3,750 ft³/s (106 m³/s) May. 17 (gage height, 7.42 ft (2.262 m)); minimum discharge, 2.2 ft³/s (0.06 m³/s) July 17, minimum gage height, 2.01 ft (0.613 m) Oct. 22, 23.

Period of record: Maximum discharge, 5,040 ft³/s (143 m³/s) Mar. 30, 1960 (gage height, 6.06 ft (1.847 m)), from rating curve extended above 1,300 ft³/s (36.8 m³/s); minimum daily, 1.7 ft³/s (0.048 m³/s) Jan. 24, 1963; minimum gage height, 1.16 ft (0.354 m) Feb. 19, 1962.

REVISIONS.--Figures of maximum discharge for the water years 1972 and 1973 have been revised to 1,040 cfs June 23, 1972 (gage height, 4.82 ft) and 1,180 cfs Mar. 17, 1973 (gage height, 4.98 ft), superseding figures published in WRD N.Y. 1972 and 1973.

REMARKS.--Records poor. Discharge includes undetermined diversion from Erie (Barge) Canal upstream from station.

REVISIONS.--The figures of peak discharge for water year 1973 have been revised as shown in the following table. They supersede figures published in WRD N.Y. 1973.

REVISED PEAK DISCHARGE.--1973: Nov. 9 (0730) 637 cfs (4.28 ft); Nov. 26 (1545) 552 cfs (4.15 ft); Dec. 6 (1330) 546 cfs (4.14 ft); Mar. 4 (1915) 624 cfs (4.26 ft); Mar. 14 (1645) 533 cfs (4.12 ft); Mar. 17 (1515) 1180 cfs (4.98 ft); Apr. 5 (0130) 804 cfs (4.52 ft).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	51	17	17	23	25	147	39	45	28	19	30
2	45	24	12	12	15	21	250	31	33	28	27	29
3	23	32	10	11	14	22	90	31	31	29	98	74
4	21	19	7.4	9.0	13	38	65	31	30	27	305	30
5	95	16	12	7.6	12	125	39	30	27	27	87	33
6	24	17	11	7.4	11	52	36	35	28	25	30	30
7	21	13	7.0	7.4	9.0	31	41	32	29	25	20	30
8	20	14	5.8	8.0	10	24	54	31	29	24	16	30
9	19	18	24	6.0	10	27	39	39	30	25	16	29
10	19	27	59	6.4	9.6	25	54	39	33	25	30	29
11	19	26	39	7.0	8.8	18	65	33	33	27	29	28
12	20	26	23	7.0	9.2	16	41	157	29	27	29	30
13	20	26	27	9.0	18	12	53	97	27	26	30	29
14	20	26	63	7.6	26	9.6	60	38	27	26	29	29
15	20	171	27	11	19	8.5	70	41	39	25	28	28
16	20	105	18	15	14	19	33	52	38	23	28	28
17	5.8	44	13	14	12	16	36	1,900	30	5.8	53	34
18	5.8	34	12	12	10	12	38	123	28	25	38	73
19	8.9	35	11	11	14	28	35	58	38	25	28	20
20	29	30	28	12	24	39	33	33	36	24	17	40
21	26	31	80	127	23	52	32	22	88	23	18	39
22	7.4	37	38	125	502	36	45	18	43	20	27	27
23	4.6	30	25	100	152	36	49	28	37	20	27	18
24	4.6	56	17	58	45	52	55	20	32	37	27	15
25	5.5	64	25	33	27	34	45	35	29	27	27	20
26	12	48	223	25	18	32	38	33	28	70	27	24
27	25	40	282	33	15	33	33	32	27	50	30	33
28	34	61	71	45	20	33	32	31	27	30	30	33
29	39	33	43	130	-----	27	32	57	35	77	32	33
30	34	21	30	50	-----	66	32	18	30	50	18	32
31	19	-----	21	34	-----	277	-----	19	-----	21	30	-----
TOTAL	691.6	1,175	1,281.2	957.4	1,083.6	1,246.1	1,672	3,183	1,016	921.8	1,250	957
MEAN	22.3	39.2	41.3	30.9	38.7	40.2	55.7	103	33.9	29.7	40.3	31.9
MAX	95	171	282	130	502	277	250	1,900	88	77	305	74
MIN	4.6	13	5.8	6.0	8.8	8.5	32	18	27	5.8	16	15

CAL YR 1973 TOTAL 14,158.4 MEAN 38.8 MAX 536 MIN 4.6
WTR YR 1974 TOTAL 15,434.7 MEAN 42.3 MAX 1,900 MIN 4.6

PEAK DISCHARGE (BASE, 450 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
11-15	1830	4.11	526	2-22	1600	4.55	825
12-27	0545	4.03	478	5-17	0600	7.42	3,750

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.--17 years, 61.6 ft³/s (1.745 m³/s) (18.84 in/yr or 478.5 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,050 ft³/s (29.7 m³/s) Dec. 27 (gage height, 4.56 ft or 1.390 m); minimum, 1.5 ft³/s (0.042 m³/s) Oct. 1 (gage height, 1.64 ft or 0.500 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	15	48	130	128	113	247	48	29	17	77	13
2	2.7	16	41	90	94	106	370	46	26	12	66	12
3	7.4	15	33	80	96	115	426	44	22	346	61	18
4	6.6	13	29	70	80	150	441	43	20	271	165	25
5	4.8	13	27	60	80	192	369	41	17	136	154	25
6	7.0	16	27	54	60	165	289	40	15	121	90	26
7	5.2	23	34	50	45	131	231	40	5.6	74	49	22
8	4.4	22	21	45	40	100	207	39	4.6	47	51	20
9	5.2	26	42	42	50	85	174	43	8.8	40	42	18
10	5.2	26	111	40	40	74	151	62	17	27	32	16
11	3.9	24	89	43	40	65	136	58	4.9	21	25	14
12	2.7	26	71	40	41	59	115	86	8.6	16	20	12
13	2.0	32	56	38	42	46	102	163	13	13	17	12
14	2.0	53	78	36	45	40	92	122	10	12	14	12
15	2.6	92	56	38	50	36	103	93	8.6	9.0	12	10
16	2.7	207	45	40	40	44	92	73	5.2	8.4	10	9.0
17	3.4	104	50	40	37	54	79	119	10	7.0	14	6.7
18	6.2	51	70	44	35	42	69	124	14	6.6	17	8.1
19	10	44	90	30	36	50	59	108	11	6.6	14	11
20	8.4	34	70	30	38	52	45	82	11	5.7	12	12
21	9.0	27	100	40	45	70	44	61	28	5.2	11	16
22	8.4	28	90	101	160	70	48	51	20	5.2	9.4	25
23	7.0	24	80	170	500	74	76	51	30	5.2	8.2	24
24	5.7	24	90	212	300	96	80	47	29	7.4	7.5	26
25	5.2	49	96	181	250	74	71	42	21	7.4	6.8	23
26	4.8	55	299	155	140	72	62	39	23	8.4	5.9	21
27	4.8	53	748	203	110	70	55	37	21	9.0	6.0	19
28	4.4	62	786	215	96	68	48	34	13	8.4	6.3	17
29	5.2	55	505	305	-----	66	44	33	23	39	6.8	16
30	12	53	300	241	-----	64	44	33	20	90	8.6	15
31	12	-----	190	192	-----	131	-----	31	-----	81	11	-----
TOTAL	172.7	1,282	4,372	3,055	2,718	2,574	4,369	1,933	489.3	1,462.5	1,029.5	503.8
MEAN	5.57	42.7	141	98.5	97.1	83.0	146	62.4	16.3	47.2	33.2	16.8
MAX	12	207	786	305	500	192	441	163	30	346	165	26
MIN	1.8	13	21	30	35	36	44	31	4.6	5.2	5.9	6.7
CFSM	1.13	.96	3.18	2.22	2.19	1.87	3.29	1.41	.37	1.06	.75	.38
IN.	.14	1.07	3.66	2.56	2.28	2.16	3.66	1.62	.41	1.23	.86	.42

CAL YR 1973 TOTAL 27,056.22 MEAN 74.1 MAX 786 MIN .72 CFSM 1.67 IN 22.67
WTR YR 1974 TOTAL 23,960.80 MEAN 65.6 MAX 786 MIN 1.8 CFSM 1.48 IN 20.08

PEAK DISCHARGE (BASE, 630 CFS).--Dec. 27 (2030) 1,050 cfs (4.56 ft).

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LOCATION.--Lat 42°23'00", long 76°52'05", Schuyler County, on east bank about 300 ft (91 m) from lake on shorter of two boat slips at Watkins Glen.

PERIOD OF RECORD.--October 1956 to current year.

GAGE.--Water-stage recorder. Datum of gage is 438.41 ft (133.627 m) above mean sea level (440.00 ft (134.112 m) Barge Canal datum).

EXTREMES.--Current year: Maximum gage height, 7.51 ft (2.289 m) Apr. 14; minimum 5.18 ft (1.579 m) Nov. 15.
Period of record: Maximum gage height, 10.47 ft (3.191 m) June 25, 1972; minimum daily, 4.48 ft (1.366 m) Jan. 5, 1962.

REMARKS.--Area of water surface, 67.6 mi² (175 km²). Diversion from Susquehanna River basin enters lake through Keuka Lake Outlet at Dresden. For table of diversion, see sta. 01528700. Lake regulated by taintor gates on Seneca River at lock 4, Waterloo, for operation of Erie (Barge) Canal and power generation by New York State Electric & Gas Corp.

REVISIONS.--WRD N.Y. 1970: Drainage area.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.65	5.40	5.47	6.00	6.22	5.78	6.03	7.04	6.84	6.63	6.30	6.21
2	5.64	5.47	5.42	5.98	6.27	5.74	6.14	7.05	6.78	6.64	6.29	6.22
3	5.70	5.47	5.39	5.96	6.28	5.68	6.33	7.08	6.75	6.63	6.23	6.30
4	5.69	5.46	5.39	5.91	6.27	5.75	6.46	7.14	6.72	6.63	6.32	6.38
5	5.70	5.43	5.40	5.93	6.19	5.81	6.61	7.13	6.69	6.64	6.32	6.28
6	5.71	5.40	5.38	5.90	6.11	5.80	6.71	7.14	6.68	6.64	6.32	6.29
7	5.64	5.39	5.41	5.90	6.09	5.81	6.74	7.15	6.65	6.59	6.30	6.26
8	5.65	5.35	5.42	5.86	6.01	5.86	6.85	7.12	6.64	6.57	6.29	6.22
9	5.64	5.35	5.45	5.87	5.93	5.86	6.97	7.11	6.65	6.57	6.31	6.19
10	5.63	5.38	5.45	5.86	5.84	5.95	7.01	7.13	6.67	6.60	6.29	6.19
11	5.63	5.34	5.41	5.86	5.79	5.94	7.06	7.08	6.72	6.63	6.22	6.17
12	5.56	5.29	5.47	5.87	5.73	5.93	7.19	7.07	6.71	6.55	6.17	6.15
13	5.56	5.26	5.47	5.82	5.69	5.88	7.27	7.16	6.67	6.49	6.22	6.18
14	5.59	5.29	5.46	5.79	5.68	5.79	7.29	7.14	6.65	6.49	6.24	6.21
15	5.59	5.34	5.50	5.83	5.61	5.71	7.40	7.16	6.63	6.49	6.21	6.16
16	5.54	5.41	5.50	5.83	5.57	5.74	7.41	7.17	6.69	6.53	6.15	6.10
17	5.54	5.37	5.43	5.82	5.62	5.80	7.38	7.24	6.72	6.42	6.21	6.14
18	5.52	5.35	5.41	5.74	5.62	5.83	7.34	7.30	6.70	6.38	6.22	6.07
19	5.51	5.36	5.49	5.78	5.59	5.80	7.34	7.31	6.67	6.44	6.17	6.12
20	5.50	5.36	5.59	5.76	5.61	5.78	7.33	7.29	6.65	6.46	6.21	6.02
21	5.51	5.33	5.58	5.76	5.58	5.76	7.27	7.27	6.69	6.35	6.18	6.08
22	5.48	5.33	5.62	5.84	5.67	5.73	7.24	7.24	6.69	6.31	6.15	6.11
23	5.43	5.33	5.59	5.89	5.89	5.71	7.22	7.26	6.70	6.30	6.15	6.06
24	5.46	5.37	5.57	5.98	5.93	5.73	7.21	7.26	6.64	6.33	6.16	6.06
25	5.43	5.39	5.68	6.00	5.93	5.69	7.15	7.22	6.62	6.39	6.13	5.95
26	5.41	5.43	5.82	6.01	5.88	5.65	7.12	7.16	6.63	6.34	6.05	5.90
27	5.48	5.41	5.88	6.06	5.81	5.68	7.06	7.10	6.67	6.32	6.05	5.97
28	5.44	5.40	5.90	6.13	5.76	5.73	7.00	7.03	6.66	6.34	6.17	5.95
29	5.44	5.42	5.95	6.17	-----	5.73	6.99	6.99	6.65	6.28	6.18	5.90
30	5.48	5.43	5.97	6.18	-----	5.78	6.97	6.95	6.61	6.32	6.23	5.94
31	5.43	-----	5.99	6.19	-----	5.93	-----	6.85	-----	6.34	6.16	-----
MEAN	5.55	5.38	5.56	5.92	5.86	5.79	7.00	7.14	6.68	6.47	6.21	6.13
MAX	5.71	5.47	5.99	6.19	6.28	5.95	7.41	7.31	6.84	6.64	6.32	6.38
MIN	5.41	5.26	5.38	5.74	5.57	5.65	6.03	6.85	6.61	6.28	6.05	5.90</

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.51	3.12	2.46	3.09	3.25	3.15	3.45	4.02	4.32	4.14	3.76	3.66
2	3.49	3.11	2.44	3.09	3.26	3.17	3.48	4.00	4.31	4.16	3.74	3.66
3	3.50	3.07	2.43	3.11	3.23	3.17	3.60	3.96	4.28	4.15	3.73	3.75
4	3.50	3.03	2.43	3.10	3.20	3.28	3.74	3.91	4.26	4.13	3.79	3.74
5	3.50	2.99	2.43	3.10	3.15	3.40	3.88	3.87	4.25	4.15	3.79	3.70
6	3.44	2.93	2.43	3.10	3.13	3.44	3.96	3.86	4.22	4.14	3.78	3.68
7	3.49	2.88	2.44	3.09	3.14	3.47	3.99	3.85	4.21	4.15	3.77	3.67
8	3.49	2.83	2.43	3.10	3.11	3.48	3.99	3.87	4.21	4.14	3.76	3.64
9	3.48	2.80	2.49	3.12	3.08	3.49	4.03	3.88	4.22	4.11	3.78	3.62
10	3.48	2.77	2.53	3.14	3.05	3.51	4.08	3.87	4.20	4.07	3.77	3.61
11	3.46	2.73	2.54	3.14	3.02	3.52	4.08	4.01	4.18	4.08	3.74	3.60
12	3.45	2.67	2.54	3.12	3.00	3.53	4.09	4.09	4.16	4.03	3.72	3.59
13	3.43	2.64	2.54	3.09	2.98	3.50	4.15	4.11	4.15	4.00	3.73	3.61
14	3.41	2.62	2.56	3.04	2.99	3.49	4.20	4.16	4.22	3.98	3.77	3.62
15	3.42	2.62	2.57	3.04	2.95	3.48	4.22	4.23	4.23	3.98	3.75	3.57
16	3.39	2.62	2.57	3.04	2.90	3.47	4.27	4.27	4.21	3.98	3.72	3.57
17	3.36	2.58	2.58	3.06	2.89	3.45	4.37	4.30	4.19	3.95	3.76	3.53
18	3.35	2.54	2.55	2.99	2.87	3.46	4.38	4.30	4.19	3.91	3.77	3.53
19	3.34	2.53	2.53	3.00	2.85	3.46	4.36	4.29	4.18	3.88	3.75	3.50
20	3.30	2.50	2.55	2.97	2.84	3.45	4.38	4.29	4.18	3.92	3.74	3.50
21	3.30	2.44	2.71	2.97	2.83	3.45	4.34	4.28	4.20	3.87	3.72	3.51
22	3.27	2.43	2.73	3.05	2.93	3.45	4.29	4.31	4.21	3.81	3.70	3.50
23	3.25	2.41	2.74	3.09	3.15	3.44	4.27	4.32	4.18	3.79	3.68	3.49
24	3.23	2.41	2.76	3.16	3.19	3.45	4.27	4.32	4.17	3.83	3.67	3.46
25	3.21	2.43	2.72	3.17	3.19	3.44	4.25	4.32	4.17	3.84	3.65	3.43
26	3.19	2.42	2.78	3.17	3.17	3.42	4.22	4.33	4.18	3.83	3.61	3.46
27	3.19	2.42	2.91	3.16	3.15	3.41	4.16	4.32	4.20	3.80	3.59	3.43
28	3.18	2.43	2.98	3.21	3.13	3.39	4.10	4.33	4.19	3.79	3.62	3.42
29	3.20	2.45	3.00	3.26	-----	3.40	4.10	4.34	4.20	3.78	3.66	3.41
30	3.22	2.44	3.03	3.25	-----	3.36	4.06	4.34	4.19	3.80	3.68	3.41
31	3.16	-----	3.07	3.24	-----	3.38	-----	4.31	-----	3.78	3.64	-----
MEAN	3.36	2.66	2.63	3.11	3.06	3.42	4.09	4.15	4.21	3.97	3.72	3.56
MAX	3.51	3.12	3.07	3.26	3.26	3.53	4.38	4.34	4.32	4.16	3.79	3.75
MIN	3.16	2.41	2.43	2.97	2.83	3.15	3.45	3.85	4.15	3.78	3.59	3.41
CAL YR 1973	MEAN 3.86		MAX 5.32	MIN 2.41								
WTR YR 1974	MEAN 3.50		MAX 4.38	MIN 2.41								

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.--37 years, 38.0 ft³/s (1.076 m³/s) (14.66 in/yr (372.4 mm/yr)).

EXTREMES.--Current year: Maximum discharge, 700 ft³/s (19.8) Apr. 14 (gage height, 2.96 ft (0.902 m)); minimum, 3.7 ft³/s (0.10 m³/s) Aug. 26, 27 (gage height, 0.51 ft (0.155 m)).

Period of record: Maximum discharge, 4,800 ft³/s (136 m³/s) June 23, 1972 (gage height, 8.10 ft (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. Revised figures of discharge, in cubic feet per second, for the water year 1973, superseding those published in WRD N.Y. 1973, are given herewith:

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	11	58	98	34	26	85	51	33	12	8.8	5.6
2	11	20	53	77	223	54	207	48	37	11	16	5.0
3	10	26	57	66	243	92	174	55	30	11	26	4.6
4	9.6	18	52	81	117	122	264	54	41	11	12	4.3
5	9.6	16	69	71	96	90	306	50	34	10	8.8	4.6
6	9.2	14	474	47	79	81	174	44	29	9.6	7.6	18
7	23	13	210	35	72	71	132	40	29	9.2	6.8	9.2
8	19	253	157	32	68	71	107	37	24	8.8	6.4	7.2
9	12	233	223	31	58	58	87	40	22	8.4	6.0	6.4
10	11	100	168	31	45	52	120	43	20	8.0	8.0	6.0
11	10	74	122	31	38	51	105	47	18	8.0	8.4	5.6
12	11	57	98	30	33	54	83	42	19	7.6	6.8	5.6
13	11	47	109	29	32	52	72	40	24	8.4	6.0	5.3
14	10	233	88	29	31	81	64	37	19	8.4	5.7	14
15	9.6	144	77	30	31	83	60	39	16	11	8.8	20
16	9.6	92	68	30	30	69	55	39	16	11	7.6	10
17	9.6	76	50	34	29	268	51	39	19	8.8	6.4	8.4
18	9.2	63	58	40	28	185	50	43	27	8.0	6.4	12
19	9.6	54	57	41	27	127	50	36	22	7.2	6.4	9.2
20	9.2	79	63	37	29	102	51	58	18	7.2	10	8.0
21	9.2	61	66	32	32	88	44	96	19	10	7.6	7.2
22	9.6	51	260	80	32	77	41	69	22	8.8	6.8	15
23	12	47	177	105	28	66	40	57	18	7.6	5.7	22
24	13	44	142	60	26	61	39	55	22	6.8	5.3	13
25	11	44	125	47	23	60	36	50	16	6.4	5.3	10
26	10	111	127	44	23	105	37	43	15	6.8	8.8	9.6
27	10	94	115	43	22	72	64	41	13	23	7.6	8.8
28	10	77	92	46	23	60	98	41	13	15	6.8	8.4
29	14	69	76	50	-----	55	66	40	16	36	5.6	8.0
30	14	58	74	37	-----	53	55	36	13	14	5.3	7.2
31	12	-----	92	35	-----	51	-----	39	-----	9.6	5.3	-----
TOTAL	350.0	2,279	3,657	1,479	1,552	2,537	2,817	1,449	664	328.6	249.0	278.2
MEAN	11.3	76.0	118	47.7	55.4	81.8	93.9	46.7	22.1	10.6	8.03	9.27
MAX	23	253	474	105	243	268	306	96	41	36	26	22
MIN	9.2	11	50	29	22	26	36	36	13	6.4	5.3	4.3
CFSM	.32	2.16	3.35	1.36	1.57	2.32	2.67	1.33	.63	.30	.23	.26
IN.	.37	2.41	3.86	1.56	1.64	2.68	2.98	1.53	.70	.35	.26	.29

CAL YR 1972 TOTAL 25,795.9 MEAN 70.5 MAX 1,690 MIN 8.6 CFSM 2.00 IN 27.26
 "TR YR 1973 TOTAL 17,639.8 MEAN 48.3 MAX 474 MIN 4.3 CFSM 1.37 IN 18.64

STREAMS TRIBUTARY TO LAKE ONTARIO

04233000 CAYUGA INLET NEAR ITHACA, N.Y.--continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.2	12	9.9	50	51	60	96	46	25	41	7.1	6.7
2	8.0	11	9.3	39	43	53	191	34	23	26	6.7	6.9
3	8.4	11	9.2	38	40	69	146	40	21	23	6.6	40
4	8.0	9.4	9.2	34	35	113	187	36	20	20	7.4	23
5	7.6	8.7	25	30	33	113	124	32	18	18	6.9	11
6	7.6	8.2	35	27	33	85	97	35	17	16	6.2	8.8
7	7.2	8.0	20	25	35	72	81	34	15	15	5.9	8.0
8	7.2	7.9	16	23	32	64	88	30	14	13	5.8	7.1
9	7.2	7.6	58	20	30	74	82	40	14	12	6.3	6.7
10	7.2	7.6	59	22	29	66	82	55	14	11	6.3	6.4
11	6.8	7.6	38	24	29	53	121	41	18	10	5.8	6.3
12	6.8	7.6	29	21	30	49	200	144	14	9.8	5.2	6.2
13	6.8	7.3	24	22	30	39	169	141	13	9.3	5.1	12
14	7.2	7.2	27	20	29	36	185	85	12	9.3	5.6	15
15	7.2	7.5	22	23	26	35	216	66	11	12	5.0	9.5
16	6.9	10	16	25	24	46	127	55	62	9.5	4.7	7.6
17	6.8	9.1	10	20	23	49	99	62	51	8.3	5.3	6.8
18	7.6	8.5	19	17	22	41	83	52	32	8.2	5.7	6.8
19	8.2	8.2	22	18	25	43	84	43	22	7.9	5.0	6.7
20	7.8	7.7	30	20	36	41	69	39	18	7.4	4.7	7.0
21	7.4	7.4	140	57	34	45	60	37	23	7.1	4.4	19
22	7.2	7.5	66	85	248	43	57	37	24	6.8	4.2	20
23	6.8	7.4	61	162	170	58	57	40	18	7.0	4.2	13
24	6.8	8.0	45	104	85	66	51	41	16	17	4.2	9.8
25	6.7	11	49	74	67	45	46	36	16	12	4.1	9.0
26	6.8	11	179	66	55	46	42	33	45	9.7	4.0	9.6
27	6.8	13	287	127	50	43	39	31	42	8.9	4.5	8.9
28	6.8	13	139	102	50	40	36	29	27	8.0	6.2	8.1
29	8.0	12	94	94	-----	35	34	32	47	7.6	8.6	14
30	23	11	77	72	-----	52	35	28	35	9.7	10	16
31	13	-----	57	64	-----	81	-----	26	-----	8.1	7.9	-----
TOTAL	247.0	273.4	1,681.6	1,525	1,394	1,755	2,984	1,480	727	388.6	179.6	335.9
MEAN	7.97	9.11	54.2	49.2	49.8	56.6	99.5	47.7	24.2	12.5	5.79	11.2
MAX	23	13	287	162	248	113	216	144	62	41	10	40
MIN	6.7	7.2	9.2	17	22	35	34	26	11	6.8	4.0	6.2
CFSM	.23	.26	1.54	1.40	1.41	1.61	2.83	1.36	.69	.36	.16	.32
IN.	.26	.29	1.78	1.61	1.47	1.85	3.15	1.56	.77	.41	.19	.35
CAL YR 1973	TOTAL 13,602.4	MEAN 37.3	MAX 306	MIN 5.0	CFSM 1.06	IN 14.38						
WTR YR 1974	TOTAL 12,971.1	MEAN 35.5	MAX 287	MIN 4.0	CFSM 1.01	IN 13.71						

PEAK DISCHARGE (BASE, 700 CFS).--Apr. 14 (2145) 700 cfs (2.96 ft).

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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 Taughannock Boulevard, and 1 mi (2 km) upstream from mouth of Inlet, at Ithaca.

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, 6.63 ft (2.021 m) May 13; minimum, 2.04 ft (0.622 m) Feb. 22.
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.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.21	4.84	4.53	3.99	2.85	2.73	3.73	5.93	5.73	6.15	5.61	5.72
2	5.16	4.88	4.42	3.91	2.81	2.74	3.99	5.86	5.66	6.11	5.52	5.70
3	5.24	4.90	4.36	3.89	2.73	2.68	4.35	5.88	5.62	6.07	5.42	5.85
4	5.25	4.86	4.42	3.84	2.66	2.88	4.72	5.96	5.60	6.07	5.48	5.89
5	5.27	4.80	4.40	3.70	2.64	3.07	5.08	5.90	5.57	6.08	5.48	5.75
6	5.28	4.77	4.43	3.57	2.60	3.10	5.28	5.90	5.56	6.07	5.48	5.67
7	5.21	4.73	4.44	3.44	2.65	3.17	5.33	5.98	5.51	5.99	5.43	5.60
8	5.25	4.65	4.38	3.33	2.63	3.20	5.51	6.03	5.52	5.98	5.44	5.52
9	5.24	4.67	4.41	3.21	2.61	3.09	5.66	6.03	5.54	5.93	5.46	5.42
10	5.23	4.67	4.43	3.14	2.57	3.21	5.65	6.16	5.56	5.94	5.49	5.36
11	5.22	4.61	4.45	3.07	2.58	3.04	5.61	6.22	5.64	5.94	5.41	5.29
12	5.17	4.54	4.41	2.94	2.54	3.07	5.69	6.32	5.65	5.83	5.38	5.26
13	5.16	4.50	4.27	2.78	2.52	3.14	5.77	6.57	5.64	5.78	5.43	5.27
14	5.20	4.52	4.31	2.60	2.57	2.99	5.86	6.52	5.66	5.77	5.48	5.33
15	5.20	4.54	4.20	2.57	2.49	2.87	6.13	6.46	5.61	5.82	5.44	5.18
16	5.15	4.63	4.10	2.51	2.36	2.80	6.21	6.35	5.72	5.84	5.38	5.21
17	5.14	4.57	4.13	2.53	2.34	2.78	6.19	6.36	5.81	5.72	5.44	5.12
18	5.09	4.52	3.92	2.41	2.23	2.73	6.17	6.38	5.83	5.70	5.48	5.15
19	5.08	4.53	3.74	2.45	2.11	2.63	6.18	6.34	5.83	5.78	5.45	5.07
20	5.06	4.49	3.61	2.36	2.18	2.69	6.04	6.23	5.87	5.82	5.49	5.04
21	5.06	4.39	3.77	2.33	2.11	2.79	5.95	6.10	5.92	5.71	5.45	5.13
22	5.02	4.45	3.72	2.47	2.21	2.87	5.89	5.97	6.02	5.70	5.43	5.11
23	4.97	4.44	3.66	2.56	2.55	2.91	5.90	5.87	6.12	5.66	5.44	5.12
24	4.98	4.43	3.61	2.73	2.60	3.11	5.93	5.84	6.14	5.73	5.48	5.01
25	4.93	4.50	3.45	2.78	2.66	3.13	5.85	5.87	6.10	5.79	5.47	4.90
26	4.93	4.46	3.56	2.72	2.66	3.20	5.84	5.85	6.12	5.74	5.41	4.97
27	4.98	4.41	3.82	2.72	2.63	3.30	5.79	5.83	6.18	5.72	5.42	4.94
28	4.90	4.46	3.94	2.78	2.63	3.35	5.76	5.80	6.16	5.75	5.57	4.88
29	4.87	4.52	3.94	2.85	-----	3.30	5.74	5.78	6.15	5.68	5.60	4.94
30	4.90	4.49	4.02	2.84	-----	3.38	5.80	5.79	6.12	5.73	5.70	5.00
31	4.86	-----	3.99	2.83	-----	3.59	-----	5.69	-----	5.69	5.64	-----
MEAN	5.10	4.59	4.09	2.96	2.53	3.02	5.59	6.06	5.81	5.85	5.48	5.28
MAX	5.28	4.90	4.53	3.99	2.85	3.59	6.21	6.57	6.18	6.15	5.70	5.89
MIN	4.86	4.39	3.45	2.33	2.11	2.63	3.73	5.69	5.51	5.66	5.38	4.88</

STREAMS TRIBUTARY TO LAKE ONTARIO

04233678 DRYDEN LAKE INLET NEAR HARFORD, N.Y.

LOCATION.--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.

DRAINAGE AREA.--2.59 mi² (6.71 km²)

PERIOD OF RECORD.--August 1973 to November 1974 (discontinued).

GAGE.--Water-stage recorder and sheet steel control. Datum of gage is 1241.36 ft (378.367 m) above mean sea level. Prior to April 25, 1974, control was concrete bridge apron at lower elevation.

EXTREMES.--September 1973: Maximum discharge during period, 10 ft³/s (0.28 m³/s) Sept. 6 (gage height, 0.46 ft or 0.140 m); minimum, 0.20 ft³/s (0.006 m³/s) Sept. 12-18 (gage height, 0.11 ft or 0.034 m).

Water year 1974: Maximum discharge, 118 ft³/s (3.34 m³/s) Apr. 4 (gage height, 1.70 ft or 0.518 m); maximum gage height, 2.14 ft (0.652 m) May 12 (result of installing sheet steel control at higher elevation); minimum discharge, no flow many days.

October to November 1974: Maximum discharge during period, 36 ft³/s (1.02 m³/s) Nov. 12 (gage height, 1.67 ft or 0.509 m); minimum, 0.17 ft³/s (0.005 m³/s) Oct. 13, 14 (gage height, 0.79 ft or 0.241 m).

REMARKS.--Records poor.

DISCHARGE, IN CUBIC FEET PER SECOND, SEPTEMBER 1973

SEPTMBER

DAY	CFS	DAY	CFS	DAY	CFS	DAY	CFS	DAY	CFS	DAY	CFS
1	.47	6	3.3	11	.29	16	.20	21	.20	26	.35
2	.36	7	.80	12	.24	17	.20	22	.35	27	.29
3	.31	8	.42	13	.24	18	.24	23	.80	28	.29
4	.27	9	.35	14	.24	19	.24	24	.50	29	.24
5	.25	10	.29	15	.24	20	.24	25	.35	30	.24
		TOTAL		MEAN		MAX		MIN		CFSM	
SEPTEMBER		12.80		.43		3.3		.20		.17	
										.18	

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.20	.65	2.4	1.6	10	.16	4.1	3.0	1.8	.86	.06	.01
2	.24	.69	2.0	2.2	4.0	.20	15	2.0	1.7	.55	.06	0
3	.20	.69	1.8	1.0	4.0	2.9	40	2.7	1.5	.46	.06	.46
4	.20	.69	1.8	1.0	2.7	15	85	2.7	1.2	.46	.06	.75
5	.24	.62	16	2.7	1.5	34	36	2.2	.98	.39	.04	.39
6	.29	.59	18	.92	2.0	21	19	2.2	.86	.35	.04	.32
7	.35	.59	8.5	.42	2.6	16	13	2.2	.75	.32	.03	.27
8	.35	.50	6.1	.30	2.0	14	12	2.0	.75	.29	.02	.23
9	.69	.46	24	.20	1.0	12	9.0	4.5	.65	.27	.03	.19
10	.59	.42	17	.40	.80	13	8.5	7.0	.65	.23	.02	.16
11	.35	.42	10	.70	1.0	8.0	12	4.0	.65	.19	.01	.12
12	.29	.42	8.0	.58	.80	6.5	19	18	.65	.17	.01	.09
13	.29	.42	6.5	.30	1.0	2.0	17	16	.65	.16	.01	.14
14	.35	.35	7.5	.20	1.4	1.0	19	10	.55	.14	0	.12
15	.35	.42	5.3	.70	.40	.80	19	7.0	.55	.16	0	.07
16	.35	.63	1.0	1.0	.20	1.5	13	5.0	.75	.12	0	.06
17	.35	.92	.10	.50	.30	7.0	9.5	22	.75	.11	.02	.08
18	.42	.80	.08	.10	.20	.80	7.5	11	.55	.09	.01	.13
19	.35	.80	.60	.40	.30	1.2	6.5	8.0	.46	.08	0	.12
20	.35	.75	20	.30	.50	1.2	5.3	6.0	.46	.07	0	.12
21	.35	.69	87	.70	8.0	1.2	4.1	4.5	.46	.07	0	.25
22	.35	.69	32	2.0	16	2.0	3.8	3.3	.39	.06	0	.17
23	.35	.69	12	3.0	4.1	1.0	4.5	3.3	.39	.07	0	.13
24	.29	.80	3.2	5.4	2.9	3.0	3.5	5.0	.39	.16	0	.19
25	.29	2.7	1.0	2.9	.42	2.3	3.0	3.6	.39	.08	0	.27
26	.29	2.4	1.2	2.0	.30	2.0	2.4	2.5	1.2	.07	0	.27
27	.29	3.5	8.6	34	.30	2.0	2.2	2.2	1.1	.06	0	.21
28	.24	4.5	7.0	26	.20	1.3	2.0	2.0	.55	.04	0	.19
29	.35	4.9	4.1	22	-----	1.0	1.6	5.0	.75	.07	.04	.25
30	.29	3.2	2.9	16	-----	2.0	1.6	3.0	.65	.08	.02	.21
31	.50	-----	2.0	15	-----	5.3	-----	2.2	-----	.06	0	-----
TOTAL	10.39	35.90	317.68	144.52	68.92	181.36	398.1	174.1	23.13	6.29	.54	5.97
MEAN	.34	1.20	10.2	4.66	2.46	5.85	13.3	5.62	.77	.20	.017	.20
MAX	.69	4.9	87	34	16	34	85	22	1.8	.86	.06	.75
MIN	.20	.35	.08	.10	.20	.16	1.6	2.0	.39	.04	0	0
CFSM	.13	.46	3.94	1.80	.95	2.26	5.14	2.17	.30	.08	.007	.08
IN.	.15	.52	4.56	2.08	.99	2.60	5.72	2.50	.33	.09	.007	.09
WTR YR 1974	TOTAL 1,366.90		MEAN 3.74	MAX 87	MIN 0	CFSM 1.44	IN 19.63					

STREAMS TRIBUTARY TO LAKE ONTARIO

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04233678 DRYDEN LAKE INLET NEAR HARFORD, N.Y.- -CONTINUED.

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

OCT						NOV					
DAY	CFS	DAY	CFS	DAY	CFS	DAY	CFS	DAY	CFS	DAY	CFS
1	.23	11	.23	21	.42	1	.23	11	1.1	21	11
2	.30	12	.21	21	.38	2	.23	12	4.5	22	6.0
3	.73	13	.19	23	.34	3	.27	13	15	23	5.0
4	.54	14	.17	24	.30	4	3.0	14	4.9	24	8.0
5	.42	15	.30	25	.30	5	9.5	15	4.1	25	7.4
6	.38	16	.27	26	.27	6	4.5	16	2.8	26	5.4
7	.34	17	.54	27	.27	7	2.4	17	2.2	27	7.0
8	.34	18	.46	28	.25	8	7.5	18	2.0	28	4.0
9	.30	19	.46	29	.25	9	1.5	19	2.0	29	3.5
10	.25	20	.42	30	.25	10	1.2	20	12	30	3.0
				31	.23						
TOTAL		MEAN		MAX		MIN		CFSM		IN.	
OCTOBER	10.34	.33		.73		.17		.13		.15	
NOVEMBER	141.23	4.71		15		.23		1.82		2.03	

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 current year. 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.

EXTRFMES.--Maximum discharge during period of record, 908 ft³/sec (25.7 m³/sec) Apr. 3, 1974 (gage height, 16.44 ft (5.011 m); maximum gage height, 16.84 ft (5.133 m) Dec. 27, 1973 (backwater from debris); minimum discharge, 5.6 ft³/sec (0.16 m³/sec) Sept. 4-5, 1973; minimum gage height, 9.97 ft (3.039 m) Oct. 1-2, 1973.

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

DISCHARGE, IN CUBIC FEET PER SECOND, FOR THE PERIOD AUGUST AND SEPTEMBER 1973

AUG						SEP					
DAY	CFS	DAY	CFS	DAY	CFS	DAY	CFS	DAY	CFS	DAY	CFS
1	8.4	11	13	21	9.8	1	7.8	11	7.8	21	7.8
2	11	12	9.8	22	8.4	2	6.8	12	7.8	22	9.2
3	22	13	8.4	23	8.0	3	6.5	13	7.5	23	18
4	15	14	7.6	24	7.8	4	6.2	14	9.7	24	11
5	10	15	8.0	25	7.8	5	5.9	15	14	25	9.7
6	8.4	16	8.4	26	7.2	6	26	16	10	26	8.7
7	7.8	17	8.4	27	7.2	7	16	17	9.2	27	7.8
8	7.2	18	8.0	28	7.2	8	11	18	9.7	28	7.8
9	7.0	19	8.4	29	6.5	9	9.2	19	8.7	29	7.5
10	9.0	20	12	30	6.2	10	8.3	20	8.3	30	7.2
				31	6.8						
TOTAL				280.7						291.1	
MEAN				9.05						9.70	
MAX				22						26	
MIN				6.2						5.9	
CFSM				.22						.24	
IN.				.26						.27	

STREAMS TRIBUTARY TO LAKE ONTARIO

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04233700 VIRGIL CREEK AT FREEVILLE, N.Y.--CONTINUED

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.8	10	19	68	72	68	89	58	35	24	8.3	7.8
2	8.7	9.2	16	52	58	60	264	40	31	18	8.3	9.2
3	8.7	9.7	16	60	60	99	520	49	28	17	7.8	38
4	9.7	8.7	14	42	50	221	794	48	27	18	8.7	29
5	10	8.7	35	39	40	240	413	38	25	17	8.3	15
6	9.2	8.7	109	42	45	155	217	38	23	15	7.8	13
7	8.3	8.7	43	39	50	121	150	38	21	14	7.5	12
8	7.8	8.7	33	28	47	99	155	34	19	13	7.2	11
9	11	8.3	129	26	42	100	137	43	18	12	7.5	10
10	15	8.3	122	33	39	114	121	70	18	12	7.8	9.7
11	10	8.7	56	39	42	80	178	48	20	11	7.2	9.2
12	8.3	8.7	43	36	39	69	256	129	17	10	6.8	9.2
13	7.8	8.7	48	28	42	50	185	216	16	9.7	6.8	22
14	7.5	8.3	43	26	45	42	180	103	16	9.7	6.8	24
15	7.2	9.2	38	42	30	39	301	75	16	9.7	6.5	14
16	7.2	13	25	45	26	45	155	59	23	9.7	7.8	12
17	7.5	12	10	36	31	70	119	260	24	8.7	13	11
18	10	11	9.2	22	27	37	99	151	18	8.7	12	10
19	12	11	20	31	31	58	91	94	16	8.7	9.7	10
20	10	10	37	28	41	58	76	72	15	7.8	8.3	9.7
21	9.2	10	300	36	45	57	65	60	16	7.8	15	18
22	8.7	9.7	100	96	210	69	63	52	18	7.5	13	24
23	8.7	9.7	82	120	200	53	72	56	15	7.8	14	16
24	8.3	10	70	160	100	70	67	64	14	18	22	13
25	7.8	16	62	95	72	56	58	61	18	12	20	13
26	7.8	18	340	80	76	52	50	48	39	11	14	16
27	7.5	20	480	280	47	52	44	43	41	10	11	13
28	7.5	24	224	167	48	45	41	40	23	9.2	9.7	12
29	8.3	27	137	150	-----	41	39	64	25	8.7	14	34
30	12	24	112	102	-----	60	39	52	22	11	16	37
31	10	-----	76	89	-----	106	-----	40	-----	9.2	8.7	-----
TOTAL	278.5	358.0	2,848.2	2,137	1,655	2,486	5,038	2,243	657	365.9	321.5	481.8
MEAN	8.98	11.9	91.9	68.9	59.1	80.2	168	72.4	21.9	11.8	10.4	16.1
MAX	15	27	480	280	210	240	794	260	41	24	22	38
MIN	6.8	8.3	9.2	22	26	37	39	34	14	7.5	6.5	7.8
CFSM	.22	.30	2.28	1.71	1.47	1.99	4.17	1.80	.54	.29	.26	.40
IN.	.26	.33	2.63	1.97	1.53	2.29	4.65	2.07	.61	.34	.30	.44

WTR YR 1974 TOTAL 18,869.9 MEAN 51.7 MAX 794 MIN 6.5 CFSM 1.28 IN 17.42

PEAK DISCHARGE (BASE, 600 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-27	0445	a16.84	600	4-03	2130	16.44	908

a-Backwater from debris.

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 794.81 ft (242.258 m) above mean sea level (levels by Corps of Engineers). July 1908 to June 1909, nonrecording gage at bridge 1.2 mi (1.9 km) downstream at different datum.

AVERAGE DISCHARGE.--49 years (1925-74), 182 ft³/s (5.154 m³/s).

EXTREMES.--Current year: Maximum discharge, 2,200 ft³/s (62.3 m³/s) Apr. 5 (gage height, 3.90 ft (1.189 m)); minimum, 13 ft³/s (0.37 m³/s) Aug. 16, 17 (gage height, 0.32 ft (0.098 m)); minimum daily, 14 ft³/s (0.40 m³/s) Aug. 16.

Period of record: Maximum discharge, 15,500 ft³/s (439 m³/s) July 8, 1935 (gage height, 9.52 ft (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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	30	78	257	242	246	328	207	135	125	24	123
2	20	29	63	179	201	250	539	173	123	92	21	121
3	29	37	53	210	210	273	1,100	167	107	78	19	107
4	31	31	52	188	185	597	2,060	191	99	90	21	257
5	29	29	67	133	140	761	1,860	150	90	66	31	103
6	27	25	319	145	160	520	971	140	81	57	30	65
7	25	24	161	140	180	380	584	164	73	50	22	51
8	22	24	116	100	170	323	526	137	69	43	20	42
9	21	24	207	94	150	314	466	145	63	38	19	37
10	34	24	514	120	140	365	416	228	59	36	20	32
11	29	24	231	140	150	277	483	188	83	33	21	29
12	24	24	173	130	140	238	799	310	78	31	19	30
13	24	24	140	100	150	179	604	814	62	30	17	59
14	21	24	164	92	160	150	483	342	57	29	15	121
15	21	24	142	140	110	140	997	242	52	28	15	72
16	21	34	88	160	94	160	532	197	112	27	13	46
17	20	46	37	130	110	260	385	646	197	25	21	36
18	23	37	23	80	96	130	319	495	133	24	32	34
19	37	34	70	110	110	210	293	273	86	23	27	33
20	37	31	130	100	150	201	253	210	70	24	21	32
21	31	29	630	130	160	204	228	182	61	22	21	47
22	27	31	365	340	600	191	210	164	86	21	23	130
23	24	30	305	420	919	188	238	173	70	21	23	81
24	24	31	242	550	305	250	231	217	56	58	31	56
25	22	61	207	328	257	188	214	231	79	48	31	46
26	21	97	618	250	197	182	185	170	411	32	24	62
27	21	78	1,410	577	176	179	167	156	346	30	43	59
28	21	94	822	564	188	176	156	142	137	26	50	45
29	22	101	466	460	-----	164	148	197	145	24	66	66
30	29	105	395	337	-----	167	145	228	133	28	51	145
31	34	-----	285	289	-----	314	-----	156	-----	27	43	-----
TOTAL	790	1,236	8,573	6,993	5,850	8,177	15,920	7,435	3,353	1,286	834	2,167
MEAN	25.5	41.2	277	226	209	264	531	240	112	41.5	26.9	72.2
MAX	37	105	1,410	577	919	761	2,060	814	411	125	66	257
MIN	19	24	23	80	94	130	145	137	52	21	13	29
CFSM	.20	.33	2.20	1.79	1.66	2.10	4.21	1.90	.89	.33	.21	.57
IN.	.23	.36	2.53	2.06	1.73	2.41	4.70	2.20	.99	.38	.25	.64

CAL YR 1973 TOTAL 63,924 MEAN 175 MAX 1,560 MIN 14 CFSM 1.39 IN 18.87
WTR YR 1974 TOTAL 62,614 MEAN 172 MAX 2,060 MIN 13 CFSM 1.37 IN 18.49

PEAK DISCHARGE (BASE, 1,900 CFS).--Apr. 5 (0100) 2,200 cfs (3.90 ft).

LOCATION.--Lat 42°52'19", long 77°16'22", Ontario County, at south end of city pier at northern end of Canandaigua Lake, 1 mi (2 km) southeast of Canandaigua.

PERIOD OF RECORD.--November 1939 to current year. December 1927 to November 1939, records for site on west side of E. T. Waldorf's boathouse collected by, and in files of, city of Canandaigua.

GAGE.--Water-stage recorder. Datum of gage is 681.17 ft (207.621 m) above mean sea level. Prior to June 26, 1946, nonrecording gage at E.T. Waldorf's boathouse at same datum.

REMARKS.--Lake elevation regulated by one gate on West outlet, which is a 1.5 mi (2.4 km) long canal, and by two gates on East outlet which is the natural outlet. Sill elevations of West and East outflow structures are 3.2 ft (0.98 m) and 3.77 ft (1.149 m) respectively. Water diverted for municipal supply for village of Newark, Palmyra, and Gorham. Records of diversion in files of City of Canandaigua. Area of water surface 16.2 mi² (43.0 km²).

REVISIONS.--WRD N.Y. 1967: Drainage area. WRD N.Y. 1971.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.23	5.99	5.79	5.99	6.41	6.62	6.51	7.19	7.60	7.47	7.06	6.96
2	6.25	5.95	5.80	5.99	6.43	6.60	6.65	7.21	7.58	7.48	7.06	6.93
3	6.22	5.95	5.80	5.99	6.43	6.67	6.86	7.24	7.57	7.46	7.05	6.97
4	6.22	5.92	5.78	5.99	6.43	6.66	7.02	7.23	7.56	7.46	7.08	7.00
5	6.24	5.90	5.81	5.99	6.44	6.80	7.09	7.25	7.54	7.43	7.09	7.00
6	6.22	5.88	5.79	5.98	6.44	6.88	7.11	7.25	7.53	7.42	7.07	7.00
7	6.21	5.84	5.75	5.98	6.46	6.88	7.15	7.24	7.52	7.42	7.06	6.96
8	6.20	5.84	5.75	5.97	6.48	6.85	7.16	7.23	7.49	7.38	7.05	6.96
9	6.19	5.79	5.78	5.98	6.48	6.86	7.18	7.28	7.43	7.38	7.03	6.95
10	6.19	5.76	5.85	5.99	6.48	6.83	7.20	7.26	7.42	7.33	7.01	6.93
11	6.19	5.76	5.84	6.00	6.49	6.83	7.22	7.27	7.40	7.30	7.01	6.93
12	6.18	5.77	5.84	6.00	6.49	6.78	7.27	7.31	7.38	7.29	7.00	6.92
13	6.19	5.74	5.89	6.00	6.49	6.72	7.31	7.39	7.36	7.28	6.97	6.93
14	6.16	5.72	5.82	6.02	6.49	6.70	7.33	7.42	7.33	7.26	6.94	6.88
15	6.13	5.73	5.81	5.98	6.49	6.67	7.37	7.44	7.37	7.23	6.93	6.87
16	6.11	5.78	5.79	5.97	6.49	6.68	7.35	7.43	7.38	7.21	6.92	6.82
17	6.08	5.79	5.76	5.97	6.49	6.64	7.34	7.51	7.35	7.21	6.95	6.81
18	6.08	5.79	5.78	5.98	6.49	6.63	7.30	7.55	7.35	7.20	6.97	6.77
19	6.07	5.77	5.78	5.97	6.48	6.63	7.26	7.55	7.33	7.15	6.97	6.77
20	6.05	5.76	5.83	6.00	6.48	6.58	7.23	7.56	7.32	7.12	6.96	6.75
21	6.02	5.83	5.80	6.06	6.48	6.59	7.20	7.56	7.40	7.11	6.94	6.75
22	6.02	5.77	5.81	6.02	6.55	6.58	7.17	7.57	7.44	7.09	6.94	6.74
23	6.00	5.76	5.83	6.09	6.69	6.56	7.15	7.60	7.42	7.08	6.94	6.70
24	5.99	5.77	5.82	6.14	6.69	6.53	7.11	7.61	7.42	7.08	6.90	6.69
25	6.00	5.78	5.87	6.17	6.69	6.51	7.14	7.60	7.41	7.08	6.88	6.68
26	5.97	5.80	5.85	6.19	6.68	6.49	7.13	7.58	7.44	7.09	6.87	6.65
27	5.93	5.83	5.90	6.26	6.67	6.44	7.16	7.58	7.44	7.09	6.90	6.64
28	5.93	5.83	5.95	6.24	6.65	6.41	7.16	7.56	7.45	7.07	6.95	6.65
29	5.94	5.82	5.98	6.31	-----	6.42	7.17	7.59	7.49	7.10	6.97	6.63
30	5.98	5.82	5.97	6.36	-----	6.41	7.16	7.60	7.52	7.11	6.99	6.58
31	5.99	-----	5.98	6.42	-----	6.46	-----	7.65	-----	7.09	6.99	-----
MEAN	6.10	5.81	5.83	6.06	6.52	6.64	7.15	7.43	7.44	7.24	6.98	6.83
MAX	6.25	5.99	5.98	6.42	6.69	6.88	7.37	7.65	7.60	7.48	7.09	7.00
MIN	5.93	5.72	5.75	5.97	6.41	6.41	6.51	7.19	7.32	7.07	6.87	6.58</

STREAMS TRIBUTARY TO LAKE ONTARIO

04235000 CANANDAIGUA OUTLET AT CHAPIN, N.Y.

LOCATION (Revised).--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. Prior to June 25, 1974, at site 0.1 mi (0.2 km) upstream.

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 (formerly published as 673.6 ft (205.31 m) above mean sea level (levels by Corps of Engineers)).

AVERAGE DISCHARGE.--34 years (1940-74), 146 ft³/sec (4.135 m³/sec).

EXTREMES.--Current year: Maximum discharge, 494 ft³/sec (14.0 m³/sec) Apr. 2 (gage height, 3.17 ft (0.966 m) site and datum then in use); minimum, 7.3 ft³/sec (0.21 m³/sec) Oct. 16 (gage height, 1.39 ft (0.424 m), site and datum then in use).
Period of record: Maximum discharge, 1,710 ft³/sec (48.4 m³/sec) June 24, 1972 (gage height, 5.62 ft (1.713 m), site and datum then in use); minimum, 4.6 ft³/sec (0.13 m³/sec) Sept. 17, 1948.

REMARKS.--Records fair except those for winter periods, which are poor. 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	53	20	31	41	329	374	109	143	58	40	38
2	24	53	30	30	39	323	463	107	138	55	39	37
3	21	53	29	29	38	323	417	107	138	58	39	55
4	20	51	29	29	37	314	414	107	143	55	44	49
5	22	51	31	28	36	361	407	105	163	56	41	38
6	18	47	30	28	38	371	414	107	163	55	35	36
7	18	47	30	28	40	361	421	105	158	55	32	35
8	17	42	29	28	38	351	428	101	153	54	32	35
9	17	28	35	30	38	358	428	105	140	55	31	38
10	17	27	41	31	39	361	438	105	122	54	31	60
11	17	25	35	33	42	358	459	101	93	51	31	61
12	17	39	33	32	46	348	456	113	87	51	31	61
13	17	27	31	30	54	335	452	126	84	51	30	61
14	13	27	35	37	66	323	449	115	80	51	28	60
15	9.3	31	33	41	72	323	470	111	82	51	29	58
16	8.3	35	33	35	74	323	463	109	89	49	29	55
17	20	29	31	30	76	320	456	226	69	49	33	55
18	30	27	30	28	76	295	449	135	34	50	31	56
19	35	27	29	28	82	311	438	117	31	50	31	67
20	35	25	29	30	107	311	428	115	31	50	30	69
21	35	25	31	56	111	314	421	115	80	50	28	72
22	35	23	30	74	206	311	414	120	63	51	26	73
23	34	21	30	63	300	308	391	124	42	50	39	70
24	34	22	29	54	260	308	281	133	39	50	40	69
25	34	24	29	41	250	298	122	135	38	50	39	69
26	34	23	35	39	260	298	113	135	48	50	38	63
27	34	22	50	38	280	298	111	135	47	50	41	59
28	31	23	41	41	323	292	111	133	49	48	46	60
29	30	22	35	78	-----	284	111	145	60	50	43	60
30	31	21	33	53	-----	286	109	143	63	49	43	63
31	29	-----	33	46	-----	332	-----	143	-----	41	40	-----
TOTAL	759.6	970	999	1,199	3,069	10,028	10,908	3,787	2,670	1,597	1,090	1,682
MEAN	24.5	32.3	32.2	38.7	110	323	364	122	89.0	51.5	35.2	56.1
MAX	35	53	50	78	323	371	470	226	163	58	46	73
MIN	8.3	21	20	28	36	284	109	101	31	41	26	35

CAL YR 1973 TOTAL 63,919.3 MEAN 175 MAX 719 MIN 6.4
WTR YR 1974 TOTAL 38,758.6 MEAN 106 MAX 470 MIN 8.3

STREAMS TRIBUTARY TO LAKE ONTARIO

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04235150 FLINT CREEK AT POTTER, N.Y.

LOCATION (Revised).--Lat 42°42'09", long 77°12'25", Yates County, on left bank 300 ft (90 m) downstream from culverts 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. Prior to July 23, 1974, at site 250 ft (75 m) upstream.

DRAINAGE AREA.--31.0 mi² (80.3 km²).

PERIOD OF RECORD.--March 1964 to September 1968, October 1970 to current year.

GAGE.--Nonrecording gage. Datum of gage is 885.54 ft (269.913 m) above mean sea level (levels by New York State Department of Transportation). Prior to July 23, 1974, water-stage recorder at datum 883.93 ft (269.422 m) above mean sea level.

AVERAGE DISCHARGE.--8 years (1964-68, 1970-74), 29.7 ft³/s (0.841 m³/s) (13.01 in/yr (330.5 mm/yr)).

EXTREMES.--Current year: Maximum discharge, 335 ft³/s (9.49 m³/s) Apr. 4 (gage height, 5.78 ft (1.762 m)); minimum daily discharge, 0.04 ft³/s (0.001 m³/s) Oct. 1, 2.

Period of record: Maximum discharge, 5,040 ft³/s (143 m³/s) June 23, 1972 (gage height, 10.15 ft (3.094 m), from floodmarks at datum then in use), 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 (at datum then in use).

REMARKS.--Records poor.

REVISIONS (WATER YEARS).--Revised figures of discharge, in cubic feet per second, for the water year 1973, superseding those published in WRD N.Y., 1973, are given herewith:

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.5	31	58	148	22	15	45	42	29	11	3.8	.85
2	3.4	24	54	138	46	27	83	38	27	9.2	8.4	1.2
3	2.8	17	54	70	228	40	154	38	24	8.8	4.0	2.4
4	2.3	14	58	61	147	150	127	42	24	8.4	2.4	2.8
5	5.4	22	57	62	74	350	353	41	50	7.7	1.4	2.6
6	33	87	274	38	52	320	229	37	128	7.4	1.5	2.4
7	31	143	766	31	46	260	138	32	59	7.4	1.0	2.4
8	17	75	748	27	39	170	99	30	42	6.5	.76	2.3
9	11	58	286	24	32	130	71	30	30	5.0	3.4	2.2
10	8.7	52	109	21	29	110	62	30	25	4.8	1.8	2.0
11	7.7	49	98	21	27	84	63	36	22	4.4	.58	1.7
12	7.4	47	75	20	25	94	55	34	20	4.0	.42	1.5
13	6.4	46	73	20	24	86	48	34	28	3.8	.42	1.3
14	5.8	47	68	20	22	110	44	30	22	3.8	.58	1.0
15	5.8	56	60	20	20	150	40	28	18	3.6	3.0	1.1
16	5.4	47	54	21	19	180	36	26	19	4.0	4.2	1.0
17	5.4	41	48	25	20	150	34	26	23	3.6	2.2	1.2
18	4.8	38	46	30	20	240	32	26	24	3.4	2.8	.95
19	4.5	34	46	34	19	190	32	24	26	3.2	3.8	.85
20	4.3	34	46	34	19	150	31	29	22	3.2	6.1	.76
21	4.0	33	47	24	18	120	29	69	20	4.2	4.0	.67
22	4.5	30	78	28	18	96	28	134	21	4.8	4.2	.67
23	7.0	28	180	44	17	80	28	81	20	7.4	3.8	.85
24	12	28	148	42	17	68	27	56	17	7.4	3.6	1.4
25	8.7	28	121	31	16	60	25	46	15	4.8	3.2	1.2
26	6.7	71	112	29	16	54	24	40	14	4.6	2.0	1.3
27	6.1	158	101	28	15	50	40	38	13	6.7	1.5	.95
28	6.1	140	81	28	15	47	67	34	12	4.6	2.0	.58
29	8.7	87	64	26	-----	45	69	32	12	3.8	3.0	.30
30	7.7	65	56	23	-----	44	51	30	13	3.4	3.2	.10
31	15	-----	64	22	-----	44	-----	30	-----	2.9	1.5	-----
TOTAL	263.1	1,630	4,130	1,190	1,062	3,714	2,164	1,243	819	167.8	84.56	40.53
MEAN	8.49	54.3	133	38.4	37.9	120	72.1	40.1	27.3	5.41	2.73	1.35
MAX	33	158	766	148	228	350	353	134	128	11	8.4	2.8
MIN	2.3	14	46	20	15	15	24	24	12	2.9	.42	.10
CFSM	.27	1.75	4.29	1.24	1.22	3.87	2.33	1.29	.88	.17	.09	.04
IN.	.32	1.96	4.96	1.43	1.27	4.46	2.60	1.49	.98	.20	.10	.05
CAL YR 1972	TOTAL	24,210.10	MEAN	66.1	MAX	2,890	MIN	2.3	CFSM	2.13	IN	29.05
WTR YR 1973	TOTAL	16,507.99	MEAN	45.2	MAX	766	MIN	.10	CFSM	1.46	IN	19.81

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.04	1.6	8.6	22	36	42	50	37	19	12	.40	1.0
2	.04	1.4	6.3	18	27	44	71	34	17	9.4	.60	1.0
3	.42	1.8	6.1	16	25	46	166	33	16	8.6	.80	40
4	.24	1.9	6.1	14	23	88	286	36	14	7.6	1.5	19
5	.95	1.5	6.1	13	21	185	221	32	12	6.3	2.0	5.0
6	.50	1.6	6.3	12	19	151	121	31	10	5.8	1.6	1.2
7	.70	1.6	6.3	12	18	89	89	31	9.4	4.9	1.0	.90
8	1.2	1.5	4.9	11	18	65	81	29	8.3	3.9	.90	.60
9	.50	1.5	8.0	11	17	59	81	31	8.3	3.0	.80	.35
10	.20	1.8	13	11	17	63	71	32	11	3.0	.60	.35
11	.10	2.0	11	11	16	56	73	30	16	2.8	.40	.31
12	.10	1.6	9.8	10	16	47	96	36	12	2.3	.20	.31
13	.10	1.8	8.3	10	16	40	113	70	11	2.0	.10	.35
14	.20	2.0	8.6	10	17	35	93	76	9.4	1.4	.05	.40
15	.10	2.7	7.0	10	18	33	114	52	10	1.0	.05	.40
16	.05	8.0	6.0	11	16	30	107	42	21	.70	.05	.41
17	.12	7.6	5.0	11	15	29	75	49	18	.30	.74	.41
18	.42	7.0	4.0	12	14	28	61	62	12	.42	.50	.41
19	.49	5.8	4.5	11	15	29	54	51	9.4	.24	.35	.48
20	.49	5.2	6.0	11	17	29	49	41	8.6	.19	.19	.60
21	.49	5.5	17	14	19	29	43	36	21	.15	.19	.80
22	.49	6.1	23	30	37	30	40	32	19	.10	.18	1.0
23	.42	4.9	31	41	112	32	39	33	13	.10	.17	1.2
24	.15	10	20	60	200	37	38	34	11	.20	.15	1.0
25	.12	14	14	50	70	32	37	31	11	.50	.14	1.6
26	.12	7.3	17	38	44	30	34	27	14	.50	.13	3.7
27	.12	13	36	36	36	29	31	24	13	.30	.17	2.1
28	.15	9.0	54	39	41	28	30	24	12	.40	3.0	1.1
29	.76	9.4	38	47	-----	28	28	27	17	1.0	2.1	1.0
30	2.2	9.0	30	48	-----	30	28	25	15	.60	1.8	1.0
31	2.3	-----	25	41	-----	41	-----	21	-----	.40	1.5	-----
TOTAL	14.28	148.1	446.9	691	940	1,534	2,420	1,149	398.4	80.10	22.36	87.98
MEAN	.46	4.94	14.4	22.3	33.6	49.5	80.7	37.1	13.3	2.58	.72	2.93
MAX	2.3	14	54	60	200	185	286	76	21	12	3.0	40
MIN	.04	1.4	4.0	10	14	28	28	21	8.3	.10	.05	.31
CFSM	.01	.16	.46	.72	1.08	1.60	2.60	1.20	.43	.08	.02	.09
IN.	.02	.18	.54	.83	1.13	1.84	2.90	1.38	.48	.10	.03	.11

CAL YR 1973 TOTAL 11,094.17 MEAN 30.4 MAX 353 MIN .04 CFSM .98 IN 13.31
WTR YR 1974 TOTAL 7,932.12 MEAN 21.7 MAX 286 MIN .04 CFSM .70 IN 9.52

PEAK DISCHARGE (BASE, 300 CFS).-- Apr. 4 (1730) 335 cfs (5.78 ft).

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.--15 years, 83.6 ft³/s (2.368 m³/s) (11.13 in/yr or 282.7 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,280 ft³/s (36.2 m³/s) Apr. 2 (gage height, 4.61 ft or 1.405 m); minimum discharge, 1.8 ft³/s (0.051 m³/s) Oct 1; minimum gage height, 1.26 ft. (0.384 m) Aug. 14-17.

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 except those for winter periods, which are poor. 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	12	19	72	112	150	273	85	59	31	5.9	16
2	3.6	9.9	19	45	75	158	780	83	49	23	5.2	12
3	3.8	8.1	16	40	64	160	827	79	41	20	4.8	36
4	3.2	6.3	14	36	58	272	657	85	36	17	9.9	87
5	4.3	7.3	15	33	52	450	561	78	31	14	15	55
6	4.1	10	15	30	50	419	453	69	27	14	10	31
7	3.6	6.8	14	28	48	299	349	66	24	12	7.6	21
8	5.9	5.9	13	26	46	206	312	62	21	10	5.8	18
9	4.3	5.7	26	27	45	179	282	67	19	9.1	4.9	15
10	3.6	5.9	81	25	43	191	265	74	18	8.3	4.7	12
11	3.6	5.2	79	25	41	160	316	68	43	7.5	4.4	10
12	3.2	5.7	57	24	42	131	357	106	36	7.0	4.6	9.0
13	3.2	6.1	45	24	45	100	316	272	25	6.6	4.2	9.2
14	3.6	6.6	47	25	50	81	285	221	21	6.3	3.6	9.0
15	2.9	9.6	38	27	60	70	332	162	20	6.0	3.7	8.4
16	2.9	17	25	29	42	62	303	113	28	5.5	3.5	8.4
17	3.5	23	17	32	40	56	229	484	42	5.0	6.9	8.3
18	4.1	20	16	40	38	52	180	269	32	5.0	9.8	11
19	5.9	17	17	30	37	54	146	187	23	5.2	16	8.3
20	5.9	14	25	33	38	60	125	133	20	4.9	12	8.1
21	5.2	13	114	50	39	90	110	108	72	4.4	6.2	11
22	6.1	14	118	222	291	80	98	113	152	4.4	4.9	13
23	5.7	13	122	272	480	84	96	96	69	4.4	5.9	13
24	5.5	14	100	287	250	100	92	89	44	5.9	6.7	11
25	6.3	25	83	219	203	90	89	78	34	6.6	4.1	10
26	5.2	32	203	140	124	84	80	70	35	7.6	3.7	11
27	4.5	25	283	135	102	90	72	70	39	6.5	8.5	10
28	4.1	26	194	129	108	100	65	64	33	5.8	19	10
29	6.1	28	165	253	-----	86	61	88	38	11	23	10
30	8.9	21	133	191	-----	80	57	98	42	8.7	29	8.7
31	9.3	-----	94	150	-----	160	-----	74	-----	7.4	26	-----
TOTAL	144.1	413.1	2,207	2,699	2,623	4,354	8,168	3,711	1,173	290.1	279.5	500.4
MEAN	4.65	13.8	71.2	87.1	93.7	140	272	120	39.1	9.36	9.02	16.7
MAX	9.3	32	283	287	480	450	827	484	152	31	29	87
MIN	2.0	5.2	13	24	37	52	57	62	18	4.4	3.5	8.1
CFSM	.05	.14	.70	.85	.92	1.37	2.67	1.18	.38	.09	.09	.16
IN.	.05	.15	.80	.98	.96	1.59	2.98	1.35	.43	.11	.10	.18

CAL YR 1973 TOTAL 33,625.5 MEAN 92.1 MAX 1,060 MIN 1.7 CFSM .90 IN 12.26
WTR YR 1974 TOTAL 26,562.2 MEAN 72.8 MAX 827 MIN 2.0 CFSM .71 IN 9.69

PEAK DISCHARGE (BASE, 800 CFS).--April 2 (2030) 1,280 cfs (4.61 ft).

04235396 OWASCO LAKE NEAR AUBURN, N.Y.

LOCATION.--Lat 42°53'56", long 76°32'17", Cayuga County, on west side of breakwater at city of Auburn water intake and pumping station, 1 mi (2 km) south of city limits of Auburn, and 1.8 mi (2.9 km) upstream from State dam.

DRAINAGE AREA.--205 mi² (531 km²).

PERIOD OF RECORD.--October 1967 to current year. Gage-height records since 1912 collected by, and in files of, city of Auburn.

GAGE.--Nonrecording gage read once daily by employees of city of Auburn Water Division. Datum of gage is 704.38 ft (214.695 m) above mean sea level. Reference mark at elevation 715.48 ft (218.078 m) above mean sea level.

EXTREMES.--Current year: Maximum observed gage height, 9.70 ft (2.957 m) Apr. 6; minimum observed, 6.28 ft (1.914 m) Nov. 15.

Period of record: Maximum observed gage height, 12.50 ft (3.810 m) June 25, 1972; minimum observed, 5.17 ft (1.576 m) Mar. 10-14, 1969. Maximum gage height observed since 1912, 12.53 ft (3.819 m) Mar. 23, 1936, Apr. 9, 1940.

REMARKS.--Lake elevation regulated by gates on outlet at State dam. Area of water surface, 10.6 mi² (27.5 km²).

COOPERATION.--Records furnished by city of Auburn.

GAGE HEIGHT, IN FEET, AT 0700, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.10	6.58	6.58	8.50	7.21	6.75	7.58	8.53	8.40	8.32	7.95	7.83
2	7.15	6.56	6.57	8.35	7.23	6.69	7.58	8.59	8.41	8.32	7.97	7.83
3	7.10	6.52	6.66	8.20	7.23	6.63	7.77	8.66	8.47	8.46	7.95	7.84
4	7.11	6.49	6.59	8.08	7.21	6.62	8.74	8.52	8.46	8.38	8.00	7.97
5	7.14	6.46	6.63	7.95	7.19	6.79	9.47	8.39	8.48	8.25	8.03	7.93
6	7.12	6.44	6.64	7.82	7.17	6.86	9.70	8.25	8.50	8.25	8.02	7.83
7	7.10	6.40	6.65	7.70	7.16	6.90	9.50	8.31	8.51	8.25	8.02	7.72
8	7.05	6.40	6.67	7.65	7.15	6.89	9.40	8.34	8.52	8.21	8.01	7.62
9	7.03	6.38	6.67	7.63	7.13	6.85	9.26	8.43	8.52	8.19	8.00	7.53
10	7.03	6.35	6.85	7.58	7.02	6.80	9.00	8.49	8.52	8.18	7.97	7.48
11	7.03	6.33	6.92	7.57	7.04	6.78	8.82	8.43	8.70	8.13	7.97	7.48
12	7.01	6.33	6.96	7.51	7.05	6.71	8.72	8.37	8.52	8.10	7.95	7.48
13	6.97	6.31	7.02	7.35	7.05	6.76	8.58	8.63	8.35	8.07	7.90	7.48
14	6.93	6.30	7.05	7.27	7.02	6.80	8.43	8.65	8.23	8.05	7.86	7.49
15	6.90	6.26	7.09	7.11	7.00	6.85	8.47	8.82	8.20	8.00	7.83	7.50
16	6.88	6.36	7.11	7.02	6.97	6.92	8.47	8.52	8.27	7.97	7.80	7.49
17	6.84	6.36	7.11	6.90	6.94	7.02	8.35	8.48	8.42	7.95	7.85	7.50
18	6.81	6.36	7.12	6.76	6.93	7.17	8.30	8.56	8.46	7.94	7.85	7.50
19	6.80	6.35	7.18	6.65	6.91	7.11	8.24	8.36	8.40	7.92	7.80	7.48
20	6.82	6.34	7.27	6.51	6.91	7.00	8.19	8.14	8.35	7.90	7.75	7.42
21	6.78	6.40	7.33	6.50	6.90	6.94	8.13	8.25	8.30	7.88	7.73	7.39
22	6.75	6.35	7.62	6.36	6.87	7.03	8.06	8.33	8.33	7.88	7.68	7.45
23	6.75	6.35	7.71	6.37	7.07	7.10	8.00	8.43	8.31	7.86	7.65	7.45
24	6.72	6.35	7.81	6.43	7.05	7.08	8.03	8.34	8.23	7.93	7.64	7.42
25	6.70	6.36	7.91	6.45	7.10	7.07	8.11	8.30	8.18	7.90	7.59	7.50
26	6.70	6.38	8.09	6.53	7.03	7.18	8.19	8.23	8.23	7.91	7.57	7.45
27	6.63	6.46	8.53	6.68	6.94	7.18	8.25	8.18	8.37	7.90	7.54	7.51
28	6.61	6.48	8.87	6.79	6.83	7.21	8.32	8.06	8.30	7.90	7.62	7.45
29	6.60	6.52	8.85	6.98	-----	7.25	8.37	8.22	8.31	7.92	7.63	7.45
30	6.59	6.57	8.74	7.12	-----	7.31	8.43	8.28	8.33	7.98	7.80	7.42
31	6.58	-----	8.63	7.20	-----	7.48	-----	8.37	-----	7.98	7.87	-----
MEAN	6.88	6.40	7.34	7.21	7.05	6.96	8.48	8.40	8.39	8.06	7.83	7.56
MAX	7.15	6.58	8.87	8.50	7.23	7.48	9.70	8.82	8.70	8.46	8.03	7.97
MIN	6.58	6.28	6.57	6.36	6.83	6.62	7.58	8.06	8.18	7.86	7.54	7.39
CAL YR 1973	MEAN 7.54		MAX 9.05	MIN 6.28								
WTR YR 1974	MEAN 7.55		MAX 9.70	MIN 6.28								

STREAMS TRIBUTARY TO LAKE ONTARIO

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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.--61 years (1913-74), 284 ft³/s (8.043 m³/s).

EXTREMES.--Current year: Maximum discharge 1,740 ft³/s (49.3 m³/s) Apr. 6 (gage height, 4.19 ft (1.277 m)); minimum, 16 ft³/s (0.453 m³/s) Oct. 4, 6 (gage height, 1.34 ft (0.408 m)).

Period of record: Maximum discharge, 3,250 ft³/s (92.0 m³/s) June 23, 1972 (gage height, 6.28 ft (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 station 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 Part 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	62	88	62	820	311	590	506	57	80	157	50	100
2	31	78	66	773	311	583	835	53	80	68	53	98
3	27	76	71	727	311	583	901	346	80	626	62	358
4	21	68	64	676	305	583	1,210	727	83	727	119	555
5	44	62	73	640	294	605	1,500	683	64	428	83	527
6	44	60	78	612	289	619	1,620	334	80	180	71	506
7	136	60	80	467	289	454	1,530	160	83	173	62	467
8	73	60	83	364	284	605	1,480	85	80	163	42	441
9	22	64	105	358	279	598	1,450	80	78	148	66	311
10	42	70	130	340	274	569	1,390	311	95	145	88	98
11	90	66	90	328	264	555	1,270	520	527	145	85	103
12	90	64	73	500	259	279	1,310	527	750	145	88	108
13	88	57	71	612	259	95	1,240	562	590	142	88	80
14	85	57	68	590	249	105	1,160	454	346	142	88	37
15	83	73	73	534	244	100	1,130	705	206	142	85	35
16	80	59	73	441	240	100	1,090	1,070	90	108	85	37
17	78	48	76	647	226	111	894	849	249	59	95	37
18	80	46	80	562	221	340	640	1,170	376	59	195	139
19	78	48	80	460	221	633	619	1,070	370	57	180	235
20	76	48	95	654	221	619	598	506	358	55	145	163
21	73	48	108	626	441	376	576	103	383	53	64	42
22	76	48	98	612	647	176	562	78	358	55	103	31
23	73	44	98	647	669	195	473	435	346	59	103	31
24	73	50	100	654	669	191	209	583	334	71	100	30
25	53	53	103	486	654	198	71	441	230	53	98	31
26	50	44	383	148	640	209	57	428	73	53	100	28
27	100	48	742	169	619	111	26	402	328	50	119	28
28	95	53	879	213	598	116	22	209	389	48	103	71
29	98	57	970	264	-----	119	37	85	213	85	116	121
30	95	50	917	284	-----	130	53	80	209	55	105	121
31	90	-----	886	289	-----	160	-----	80	-----	42	103	-----
TOTAL	2,206	1,747	6,875	15,497	10,288	10,707	24,459	13,193	7,528	4,493	2,944	4,969
MEAN	71.2	58.2	222	500	367	345	815	426	251	145	95.0	166
MAX	136	88	970	820	669	633	1,620	1,170	750	727	195	555
MIN	21	44	62	148	221	95	22	53	64	42	42	28
CAL YR 1973	TOTAL 104,590	MEAN 287	MAX 1,310	MIN 13								
WTR YR 1974	TOTAL 104,906	MEAN 287	MAX 1,620	MIN 21								

STREAMS TRIBUTARY TO LAKE ONTARIO

04236000 SKANEATELES LAKE AT SKANEATELES, N.Y.

LOCATION.--Lat 42°56'42", long 76°25'46", Onondaga County, on east side of breakwater, enclosed in city of Syracuse boat house, at Skaneateles.

DRAINAGE AREA.--72.7 mi² (188 km²).

PERIOD OF RECORD.--October 1967 to current year. Gage-height records since September 1890 collected by, and in files of, city of Syracuse.

GAGE.--Nonrecording gages read once daily by employees of Syracuse Water Division. Datum of gage is 800.00 ft (243.840 m) above mean sea level (levels by Syracuse Department of Engineering).

EXTREMES.--Current year: Maximum observed gage height, 63.22 ft (19.269 m) July 4; minimum observed, 59.08 ft (18.008 m) Dec. 9.
Period of record (since 1890): Maximum observed gage height, 65.20 ft (19.873 m) June 25, 26, 1972; minimum observed, 57.15 ft (17.419 m) Nov. 15, 1965.

REMARKS.--Lake elevation regulated by gates at outlet by Syracuse Water Division. Area of water surface, 13.6 mi² (35.2 km²).

COOPERATION.--Records furnished by City of Syracuse.

GAGE HEIGHT, IN FEET, AT 0800, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60.27	59.56	59.14	59.87	60.10	60.15	60.83	62.55	62.91	62.94	62.56	62.12
2	60.26	59.51	59.12	59.85	60.10	60.12	60.87	62.58	62.89	62.93	62.52	62.10
3	60.25	59.51	59.18	59.83	60.10	60.17	60.90	62.59	62.89	62.91	62.50	62.08
4	60.23	59.45	59.12	59.81	60.10	60.24	61.40	62.58	62.89	63.22	62.48	62.18
5	60.23	59.43	59.12	59.81	60.13	60.35	61.77	62.56	62.89	63.19	62.51	62.17
6	60.21	59.42	59.12	59.81	60.11	60.37	61.94	62.59	62.86	63.18	62.51	62.17
7	60.19	59.37	59.09	59.82	60.11	60.37	62.02	62.60	62.85	62.13	62.49	62.13
8	60.16	59.35	59.10	59.80	60.10	60.40	62.05	62.58	62.87	63.07	62.48	62.12
9	60.12	59.28	59.08	59.80	60.10	60.42	62.12	62.60	62.84	63.02	62.45	62.11
10	60.10	59.23	59.18	59.78	60.09	60.45	62.19	62.62	62.82	62.94	62.40	62.08
11	60.08	59.22	59.19	59.75	60.08	60.45	62.20	62.65	62.97	62.92	62.36	62.08
12	60.06	59.20	59.20	59.78	60.08	60.47	62.25	62.66	62.92	62.89	62.34	62.08
13	60.04	59.18	59.20	59.79	60.07	60.45	62.32	62.80	62.91	62.83	62.32	62.08
14	59.99	59.16	59.19	59.78	60.03	60.42	62.31	62.85	62.93	62.84	62.28	62.08
15	59.98	59.12	59.15	59.76	60.00	60.43	62.45	62.86	62.90	62.79	62.25	62.08
16	59.94	59.21	59.14	59.76	60.03	60.43	62.50	62.86	62.95	62.78	62.23	61.97
17	59.88	59.19	59.12	59.73	60.02	60.48	62.48	62.93	63.01	62.73	62.23	61.96
18	59.86	59.17	59.17	59.70	60.01	60.62	62.48	63.05	63.02	62.72	62.28	61.94
19	59.85	59.15	59.16	59.68	60.02	60.68	62.47	63.05	63.00	62.65	62.30	61.92
20	59.87	59.14	59.15	59.66	59.99	60.64	62.48	63.00	62.98	62.62	62.22	61.91
21	59.80	59.13	59.23	59.70	59.94	60.64	62.48	62.98	62.96	62.59	62.18	61.86
22	59.79	59.12	59.30	59.72	59.97	60.71	62.48	63.00	63.07	62.57	62.15	61.89
23	59.79	59.10	59.32	59.76	60.09	60.75	62.51	62.98	63.01	62.58	62.12	61.85
24	59.75	59.09	59.32	59.84	60.15	60.73	62.52	62.94	62.95	62.65	62.09	61.83
25	59.72	59.10	59.35	59.83	60.16	60.71	62.52	62.92	62.98	62.62	62.06	61.84
26	59.70	59.09	59.42	59.85	60.17	60.72	62.50	62.91	62.98	62.59	62.03	61.75
27	59.65	59.11	59.60	59.92	60.18	60.72	62.51	62.91	62.99	62.58	62.00	61.76
28	59.62	59.13	59.70	59.96	60.18	60.71	62.51	62.89	62.97	62.57	62.01	61.74
29	59.62	59.16	59.76	60.00	-----	60.69	62.51	62.89	62.98	62.57	62.03	61.70
30	59.60	59.16	59.79	60.09	-----	60.70	62.52	62.90	62.98	62.60	62.12	61.67
31	59.60	-----	59.83	60.11	-----	60.80	-----	62.90	-----	62.57	62.15	-----
MEAN	59.94	59.23	59.28	59.82	60.08	60.52	62.17	62.80	62.94	62.77	62.28	61.98
MAX	60.27	59.56	59.83	60.11	60.18	60.80	62.52	63.05	63.07	63.22	62.56	62.18
MIN	59.60	59.09	59.08	59.66	59.94	60.12	60.83	62.55	62.82	62.13	62.00	61.67
CAL YR 1973	MEAN 60.97		MAX 62.50	MIN 59.08								
WTR YR 1974	MEAN 61.15		MAX 63.22	MIN 59.08								

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.--24 years (1950-74), 3,311 ft³/s (93.77 m³/s).

EXTREMES.--Current year: Maximum daily discharge, 8,970 ft³/s (254 m³/s) Apr. 5; maximum gage height, 5.77 ft (1.759 m) Apr. 6; minimum daily discharge, 811 ft³/s (23.0 m³/s) Aug. 25; minimum gage height, 1.02 ft (0.311 m) Nov. 2.

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 Part 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,060	1,580	1,550	5,610	5,420	5,340	3,950	2,330	4,190	2,440	3,220	1,750
2	1,130	1,200	1,220	5,110	4,970	5,190	5,650	1,420	4,100	2,460	2,370	1,730
3	1,130	1,490	887	4,790	4,760	5,190	7,460	1,530	4,010	3,260	2,180	1,840
4	1,120	1,290	886	4,760	4,550	5,340	8,640	1,890	3,200	4,330	2,320	2,110
5	1,140	1,170	952	4,940	4,190	5,740	8,970	1,950	2,780	4,120	3,100	3,450
6	1,110	1,230	1,130	5,050	3,960	6,140	8,720	2,040	2,410	3,600	2,970	3,730
7	1,120	1,290	1,350	5,090	3,500	6,430	8,100	1,900	2,050	2,930	2,150	3,680
8	1,250	1,300	1,430	4,860	3,410	6,370	7,080	1,860	1,900	2,640	1,490	3,630
9	1,280	1,440	1,570	4,010	3,400	6,070	6,370	1,890	1,420	2,530	1,170	3,560
10	1,240	1,260	1,870	3,930	3,390	5,990	6,670	1,950	1,410	2,300	1,200	3,410
11	1,070	1,110	1,760	3,930	3,460	5,770	6,970	1,860	1,340	1,970	1,250	1,990
12	979	1,170	1,800	3,950	3,440	5,660	6,920	2,040	1,530	1,630	1,230	1,780
13	986	1,320	2,000	4,010	3,590	5,480	6,840	2,940	1,670	1,260	1,280	2,270
14	964	1,380	2,210	4,220	3,760	5,330	6,720	4,930	1,580	1,100	1,270	2,100
15	959	1,250	2,380	4,220	3,680	5,250	6,800	5,760	1,500	1,110	1,180	2,030
16	1,170	1,750	2,400	4,290	3,590	5,140	6,760	6,210	1,440	1,130	1,130	1,710
17	1,480	2,010	2,340	3,400	3,600	5,110	6,710	6,620	1,420	1,130	1,120	1,640
18	1,250	1,820	2,360	2,790	3,550	4,910	6,780	7,400	1,470	1,120	1,160	1,680
19	1,170	1,760	2,250	2,710	3,510	4,970	6,280	8,120	1,500	1,110	1,240	1,710
20	1,250	1,810	2,250	2,700	3,580	4,910	6,150	8,380	1,490	868	1,270	1,690
21	1,320	1,380	2,580	2,800	3,580	4,440	6,110	7,670	1,420	854	1,260	1,710
22	1,350	1,230	2,840	3,040	4,110	3,900	6,050	6,840	2,040	1,060	1,210	1,760
23	1,260	1,330	2,950	3,990	5,530	3,660	5,560	6,390	2,670	1,050	1,120	1,750
24	1,140	1,580	3,020	4,850	5,750	3,650	5,250	5,360	2,720	1,740	1,120	1,650
25	1,280	1,600	3,040	5,510	6,220	2,990	4,980	5,080	2,760	1,830	811	1,630
26	1,430	1,550	4,340	5,450	6,190	2,730	4,760	4,950	2,430	1,540	871	1,390
27	1,160	1,860	6,410	5,410	5,770	2,710	4,390	4,850	1,790	1,950	1,290	1,420
28	1,200	2,760	6,890	5,160	5,570	2,640	3,790	4,710	2,030	1,830	1,390	1,660
29	1,160	2,130	6,930	5,310	-----	2,140	3,640	4,460	2,380	1,910	2,000	1,580
30	1,500	1,920	6,640	5,580	-----	2,250	2,820	4,270	2,400	2,120	1,900	1,580
31	1,590	-----	5,980	5,690	-----	2,840	-----	4,230	-----	3,000	1,890	-----
TOTAL	37,248	45,970	86,215	137,160	120,030	144,280	185,890	131,830	65,050	61,922	49,162	63,620
MEAN	1,202	1,532	2,781	4,425	4,287	4,654	6,196	4,253	2,168	1,997	1,586	2,121
MAX	1,590	2,760	6,930	5,690	6,220	6,430	8,970	8,380	4,190	4,330	3,220	3,730
MIN	959	1,110	886	2,700	3,390	2,140	2,820	1,420	1,340	854	811	1,390

CAL YR 1973 TOTAL 1,385,616 MEAN 3,796 MAX 12,100 MIN 520
WTR YR 1974 TOTAL 1,128,377 MEAN 3,091 MAX 8,970 MIN 811

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, 469.23 ft (143.021 m) Apr. 4 (contents, 554 acre-ft (6.83 hm³); minimum elevation 459.66 ft (140.104 m) Nov. 14, 15; minimum contents, 0 acre-ft (0.00 hm³) Oct. 1-29, Nov. 1, 5-7, 10-15, 20-24, Dec. 17-18, Jan. 20, Aug. 11-17, 20-27.

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	466.00	135
462.00	15	469.00	510
464.00	50	470.00	700

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	59.96	60.06	60.39	60.65	60.57	60.74	61.05	60.88	60.56	60.30	60.18	60.29
2	59.95	60.07	60.23	60.60	60.49	60.67	61.44	60.73	60.50	60.22	60.12	60.23
3	59.96	60.13	60.14	60.51	60.56	60.72	62.41	60.72	60.45	62.33	60.07	60.99
4	59.96	60.05	60.09	60.46	60.52	61.09	64.85	60.70	60.41	64.86	60.44	61.59
5	59.97	59.99	60.12	60.55	60.47	61.36	66.79	60.63	60.37	63.37	60.63	60.73
6	59.97	60.00	60.47	60.66	60.36	61.12	66.27	60.71	60.33	61.33	60.29	60.48
7	59.98	60.00	60.25	60.37	60.39	60.86	65.51	60.77	60.30	60.74	60.16	60.38
8	59.98	60.02	60.14	60.51	60.36	60.70	64.60	60.66	60.27	60.70	60.10	60.29
9	59.98	60.01	60.44	60.49	60.33	60.74	63.45	60.74	60.27	60.51	60.06	60.24
10	59.98	60.00	61.06	60.27	60.31	60.77	61.90	61.05	60.33	60.44	60.04	60.20
11	59.97	59.97	60.65	60.29	60.28	60.62	61.79	60.85	60.96	60.39	60.01	60.17
12	59.96	59.98	60.42	60.24	60.26	60.57	62.20	61.00	60.69	60.34	59.98	60.16
13	59.96	59.95	60.31	60.16	60.34	60.39	61.98	62.00	60.49	60.30	59.97	60.42
14	59.96	59.79	60.39	60.19	60.42	60.39	61.66	61.37	60.37	60.27	59.95	60.53
15	59.95	59.80	60.28	60.25	60.45	60.39	62.48	61.01	60.33	60.25	59.94	60.36
16	59.95	60.72	60.10	60.30	60.38	60.59	61.88	60.87	60.46	60.21	59.93	60.23
17	59.94	60.49	60.04	60.32	60.19	60.79	61.49	62.07	60.54	60.17	60.18	60.18
18	59.94	60.17	60.08	60.37	60.16	60.49	61.30	61.88	60.57	60.16	60.27	60.35
19	59.94	60.05	60.07	60.21	60.18	60.64	61.11	61.19	60.42	60.15	60.07	60.28
20	59.95	59.96	60.24	60.13	60.34	60.62	61.02	60.99	60.33	60.14	59.99	60.21
21	59.96	59.90	61.50	60.43	60.29	60.60	60.97	60.88	60.78	60.11	59.94	60.35
22	59.96	59.95	61.20	61.06	61.10	60.58	60.95	60.84	61.03	60.09	59.92	60.64
23	59.97	59.93	61.04	61.29	62.01	60.59	61.06	60.95	60.70	60.07	59.90	60.41
24	59.97	59.92	60.70	61.56	61.10	60.76	61.03	60.86	60.50	60.47	59.88	60.29
25	59.96	60.30	60.60	60.91	60.72	60.55	60.94	60.83	60.40	60.35	59.87	60.24
26	59.96	60.29	61.85	60.69	60.56	60.54	60.84	60.76	60.54	60.21	59.86	60.26
27	59.96	60.20	62.45	60.94	60.52	60.52	60.78	60.71	60.53	60.14	59.95	60.20
28	59.95	60.45	62.47	60.87	60.55	60.49	60.73	60.66	60.41	60.10	60.56	60.15
29	60.00	60.54	61.85	61.25	-----	60.43	60.71	60.71	60.42	60.17	60.58	60.16
30	60.17	60.52	61.09	60.90	-----	60.57	60.68	60.71	60.38	60.74	61.52	60.23
31	60.05	-----	60.76	60.74	-----	60.98	-----	60.62	-----	60.35	60.50	-----
MEAN	59.97	60.11	60.69	60.59	60.51	60.67	62.13	60.95	60.49	60.64	60.16	60.37
MAX	60.17	60.72	62.47	61.56	62.01	61.36	66.79	62.07	61.03	64.86	61.52	61.59
MIN	59.94	59.79	60.04	60.13	60.16	60.39	60.68	60.62	60.27	60.07	59.86	60.15

CAL YR 1973 MEAN 61.30 MAX 68.43 MIN 59.79
WTR YR 1974 MEAN 60.61 MAX 66.79 MIN 59.79

Note.--Gage-height record Oct. 29 to Sept. 30 subject to drawdown in stilling well; probably not exceeding 0.30 ft.

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.--23 years, 119 ft³/s (3.370 m³/s).

EXTREMES.--Current year: Maximum discharge, 3,260 ft³/s (92.3 m³/s) July 3 (gage height, 6.48 ft or 1.975 m); minimum, 24 ft³/s (0.68 m³/s) Oct. 1, 2, 15, 16 (gage height, 1.45 ft or 0.442 m).
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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	37	103	178	144	158	256	131	96	72	65	69
2	27	39	80	132	122	146	390	108	90	63	56	60
3	29	43	68	141	115	141	813	101	84	708	49	237
4	30	38	63	132	111	207	1,320	102	80	797	73	378
5	32	33	66	103	111	317	1,080	89	72	632	134	155
6	32	35	113	96	100	266	952	94	70	286	77	92
7	29	36	82	90	94	196	839	121	64	158	59	77
8	27	35	69	86	90	165	737	102	60	127	50	66
9	26	35	144	82	84	155	595	101	60	108	45	59
10	26	35	286	80	80	168	362	170	66	97	44	54
11	26	32	165	80	78	146	337	150	160	89	41	52
12	26	31	115	80	80	132	430	220	100	83	37	50
13	27	30	94	80	85	102	366	420	84	77	35	100
14	27	30	107	82	103	102	299	230	66	74	34	130
15	25	41	94	82	105	98	520	170	70	69	34	82
16	25	185	71	84	98	126	377	140	80	65	33	62
17	28	122	68	86	75	194	239	330	150	60	52	54
18	29	75	72	86	69	117	208	420	110	59	73	68
19	36	59	80	80	69	146	187	200	90	58	49	65
20	39	52	90	72	84	139	162	150	80	58	40	55
21	34	46	403	90	89	139	149	160	220	54	35	65
22	30	50	300	256	321	130	140	180	200	50	33	122
23	28	47	253	310	580	130	162	130	130	48	31	90
24	29	47	194	382	269	175	156	130	96	81	30	69
25	28	77	170	231	173	132	142	120	80	80	29	60
26	27	84	590	168	134	130	123	120	92	65	28	59
27	29	77	977	191	126	124	110	110	96	58	29	55
28	28	117	798	222	130	117	102	110	83	54	83	52
29	29	124	535	279	-----	107	99	110	81	56	124	49
30	44	119	283	231	-----	130	96	110	80	146	362	54
31	38	-----	207	175	-----	225	-----	100	-----	89	111	-----
TOTAL	915	1,811	6,740	4,467	3,719	4,760	11,748	4,929	2,890	4,521	1,975	2,640
MEAN	29.5	60.4	217	144	133	154	392	159	96.3	146	63.7	88.0
MAX	44	185	977	382	580	317	1,320	420	220	797	362	378
MIN	25	30	63	72	69	98	96	89	60	48	28	49
CAL YR 1973	TOTAL 51,272	MEAN 140	MAX 977	MIN 22								
WTR YR 1974	TOTAL 51,115	MEAN 140	MAX 1,320	MIN 25								

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 Velasco 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.--15 years, 8.53 ft³/s (0.242 m³/s) (12.03 in/yr or 305.6 mm/yr).

EXTREMES.--Current year: Maximum discharge, 726 ft³/s (20.6 m³/s) July 3 (gage height, 8.34 ft or 2.542 m) from rating curve extended as explained below; minimum, 2.9 ft³/s (0.082 m³/s) Sept. 24-30 (gage height, 3.22 ft or 0.981 m).

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 measurement 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.0	4.2	7.0	12	10	9.2	17	10	7.6	6.6	9.4	4.0
2	6.1	3.6	6.3	11	9.7	8.8	31	8.8	7.4	6.3	6.6	3.8
3	4.4	4.0	5.8	11	9.4	9.0	77	10	7.1	178	6.8	14
4	3.8	3.3	5.3	11	8.9	11	222	8.8	7.1	15	13	5.5
5	6.6	3.4	7.0	10	8.4	13	65	8.8	6.8	12	6.6	3.6
6	3.3	4.0	5.4	10	8.4	10	51	12	5.8	11	5.5	3.4
7	3.2	4.6	5.3	10	8.1	9.8	44	8.8	6.8	10	5.5	3.4
8	3.2	4.6	5.1	9.2	7.9	9.2	38	8.8	6.8	9.2	5.5	3.3
9	3.3	4.0	16	8.9	8.1	9.2	33	10	6.8	8.1	5.1	3.4
10	3.3	3.8	11	8.7	7.4	9.7	33	13	14	7.9	4.6	3.3
11	3.3	3.8	7.2	8.4	7.4	9.2	36	8.7	12	7.6	4.6	3.3
12	3.4	3.8	6.6	8.1	7.4	9.2	32	19	8.1	7.4	4.6	3.6
13	3.4	3.8	6.0	7.9	8.4	8.8	25	16	7.6	7.1	4.6	3.8
14	3.6	3.8	7.4	7.6	7.9	8.6	26	9.4	7.6	6.8	6.6	3.4
15	3.8	10	5.8	7.9	7.6	8.8	28	7.6	7.6	6.8	4.8	3.3
16	4.2	13	5.8	8.4	7.6	14	18	7.6	8.7	6.3	5.8	3.2
17	4.8	4.8	5.2	8.1	8.7	11	16	24	8.7	6.1	10	3.4
18	4.8	3.8	5.2	7.6	7.6	11	15	11	7.6	6.1	4.8	4.2
19	5.1	3.6	5.2	7.6	7.1	11	14	10	7.6	6.1	4.6	3.3
20	4.0	3.4	7.6	7.9	7.4	11	13	9.7	7.4	5.8	4.4	3.3
21	3.4	4.0	24	13	6.8	9.8	12	9.2	16	5.5	4.2	4.6
22	3.4	4.8	10	15	29	11	13	11	8.4	5.5	4.0	3.4
23	3.4	4.0	9.4	25	14	12	12	9.7	7.6	5.5	4.0	3.2
24	3.4	7.0	8.0	17	9.8	11	13	9.4	7.1	7.9	4.0	3.0
25	3.4	7.0	9.7	11	9.2	9.8	12	8.9	8.1	5.5	4.0	3.0
26	3.6	5.6	53	12	8.8	9.6	12	8.4	7.6	5.5	3.8	3.0
27	3.8	10	39	13	8.8	9.8	11	8.9	6.8	5.3	5.3	2.9
28	4.0	9.6	22	14	8.8	10	12	8.1	6.8	6.1	5.3	2.9
29	4.4	9.2	19	19	-----	9.8	11	8.4	7.4	18	9.7	3.0
30	5.8	7.8	16	13	-----	12	11	7.9	6.8	13	4.8	3.0
31	3.3	-----	13	12	-----	15	-----	7.9	-----	12	4.0	-----
TOTAL	123.5	162.3	359.3	345.3	258.6	321.3	953	319.8	242.7	420.0	176.5	114.5
MEAN	3.98	5.41	11.6	11.1	9.24	10.4	31.8	10.3	8.09	13.5	5.69	3.82
MAX	6.6	13	53	25	29	15	222	24	16	178	13	14
MIN	3.2	3.3	5.1	7.6	6.8	8.6	11	7.6	6.8	5.3	3.8	2.9
CFSM	.41	.56	1.20	1.15	.96	1.08	3.30	1.07	.84	1.40	.59	.40
IN.	.48	.63	1.39	1.33	1.00	1.24	3.68	1.24	.94	1.62	.68	.44
CAL YR 1973	TOTAL 3.535.9	MEAN 9.69	MAX 89	MIN 3.2	CFSM 1.01	IN 13.66						
WTR YR 1974	TOTAL 3.796.8	MEAN 10.4	MAX 222	MIN 2.9	CFSM 1.08	IN 14.67						

PEAK DISCHARGE (BASE, 150 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
4-04	0900	7.05	328	7-03	1045	8.34	726

NOTE.--No gage-height record Apr. 5 to May 10.

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 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.

EXTREMES.--Current year: Maximum discharge, 732 ft³/s (20.7 m³/s) July 3 (gage height, 7.91 ft (2.411 m)), from rating extended as explained below; minimum, 6.4 ft³/s (0.18 m³/s) Sept. 26, 27, 28; minimum gage height, 1.14 ft (0.347 m) Oct. 1.
Period of record: Maximum discharge, 732 ft³/s (20.7 m³/s) July 3, 1974 (gage height, 7.91 ft (2.411 m)), from rating extended above 160 ft³/s (4.53 m³/s) on basis of step-backwater computations; minimum, 1.0 ft³/s (0.028 m³/s) June 25, 1971; minimum gage height, 0.40 ft (0.122 m) Nov. 9, 1971.

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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.3	12	15	25	18	17	32	20	15	10	18	8.3
2	16	10	14	23	17	16	60	17	14	9.8	18	8.4
3	11	12	13	23	16	16	149	19	14	350	17	25
4	8.7	9.5	13	22	16	20	326	17	13	36	26	11
5	20	10	16	21	15	25	73	17	13	25	13	8.7
6	8.8	12	13	20	15	19	56	23	13	21	11	8.4
7	8.2	14	13	20	15	18	53	17	13	18	11	8.4
8	8.2	13	12	19	15	17	48	17	13	16	11	8.2
9	7.9	11	37	18	15	17	45	20	13	14	10	8.0
10	8.0	10	25	18	15	17	45	25	43	13	9.0	7.9
11	8.4	9.8	16	18	15	17	49	17	20	13	8.6	7.8
12	8.6	10	15	18	15	17	45	33	14	12	8.4	9.0
13	8.2	10	13	18	18	16	36	25	12	12	8.4	9.8
14	8.4	9.8	16	18	16	16	39	20	13	12	13	7.8
15	8.2	32	13	18	16	16	41	18	15	12	8.6	7.6
16	9.2	29	13	18	16	26	31	18	16	11	8.7	7.9
17	12	12	12	17	16	20	28	55	17	10	21	8.3
18	11	11	12	16	16	20	27	21	12	10	8.6	9.2
19	12	11	12	17	16	20	25	19	11	9.2	8.7	7.8
20	9.6	10	20	17	16	20	24	18	12	9.0	8.4	8.0
21	8.7	11	43	28	15	18	23	17	41	8.6	8.4	13
22	8.7	13	19	27	55	20	24	28	14	9.0	8.4	7.8
23	8.6	11	18	44	26	23	22	19	11	10	8.6	8.2
24	8.2	15	15	24	18	20	23	20	11	16	8.3	8.3
25	8.4	16	18	17	17	18	22	16	14	9.1	8.0	8.7
26	8.8	13	118	17	16	18	22	16	11	8.8	8.7	7.6
27	9.0	21	83	20	16	18	21	17	10	8.8	16	7.1
28	8.8	20	43	24	16	19	22	16	10	10	11	7.0
29	9.6	19	37	30	-----	18	21	17	14	36	20	7.2
30	16	16	31	21	-----	23	21	15	9.6	25	9.5	7.2
31	9.0	-----	27	19	-----	28	-----	15	-----	23	8.6	-----
TOTAL	304.5	413.1	765	655	496	593	1,453	632	451.6	787.3	361.9	267.6
MEAN	9.82	13.8	24.7	21.1	17.7	19.1	48.4	20.4	15.1	25.4	11.7	8.92
MAX	20	32	118	44	55	28	326	55	43	350	26	25
MIN	7.9	9.5	12	16	15	16	21	15	9.6	8.6	8.0	7.0
CFSM	.87	1.22	2.19	1.87	1.57	1.69	4.28	1.81	1.34	2.25	1.04	.79
IN.	1.00	1.36	2.52	2.16	1.63	1.95	4.78	2.08	1.49	2.59	1.19	.88

CAL YR 1973 TOTAL 7,159.5 MEAN 19.6 MAX 118 MIN 7.7 CFMS 1.73 IN 23.57
WTR YR 1974 TOTAL 7,180.0 MEAN 19.7 MAX 350 MIN 7.0 CFMS 1.74 IN 23.64

PEAK DISCHARGE (BASE, 250 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
4-04	0900	6.63	487	7-29	1900	5.76	349
6-10	2045	5.36	289	8-04	0600	5.14	258
7-03	1100	7.91	732				

† About.

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 about 860 ft³/s (24.4 m³/s) July 3 (gage height, 5.88 ft or 1.792 m), occurred during period of backwater from Onondaga Lake; minimum, 9 ft³/s (0.25 m³/s) June 9 (gage height, 0.80 ft or 0.244 m).
Period of record: Maximum discharge, about 860 ft³/s (24.4 m³/s) July 3, 1974 (gage height, 5.88 ft or 1.792 m), occurred during period of backwater from Onondaga Lake; 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	36	73	55	42	40	160	90	18	15	54	29
2	54	34	54	43	36	37	275	34	14	14	34	23
3	28	46	52	36	32	36	228	43	15	514	27	91
4	23	28	50	32	27	52	114	40	16	205	74	204
5	22	28	70	28	22	94	52	27	14	101	167	82
6	22	33	68	25	22	62	39	52	13	54	54	46
7	22	61	54	25	23	46	38	49	13	36	33	36
8	21	88	48	24	23	36	39	40	10	23	28	28
9	20	96	56	21	22	31	41	54	10	19	20	25
10	18	67	160	21	20	31	54	151	13	15	17	27
11	17	56	100	21	20	25	45	68	160	14	15	25
12	16	58	46	21	21	24	30	113	43	13	13	27
13	15	91	39	21	35	21	36	163	28	12	13	35
14	14	100	48	22	43	18	38	82	20	12	14	28
15	15	166	33	25	27	18	43	46	16	14	14	25
16	18	340	24	28	19	58	38	36	51	13	16	23
17	29	178	15	24	18	86	37	110	64	11	68	21
18	30	120	14	18	17	42	37	38	29	12	34	27
19	33	100	18	17	21	58	37	31	18	12	20	24
20	44	80	30	16	32	66	36	31	15	12	19	21
21	24	66	104	50	32	65	34	28	65	12	18	35
22	22	76	56	84	199	59	31	45	117	11	18	43
23	22	62	51	153	181	74	31	44	44	12	17	32
24	22	68	43	145	75	92	31	46	28	79	20	24
25	21	119	39	92	68	65	32	39	20	22	16	23
26	20	86	204	67	51	53	26	28	27	15	16	24
27	19	110	152	98	40	55	19	24	18	14	32	22
28	17	207	88	101	36	60	17	22	14	161	145	21
29	18	141	69	171	-----	51	19	27	31	46	62	24
30	67	95	84	92	-----	68	22	22	20	223	111	26
31	29	-----	76	58	-----	90	-----	19	-----	125	40	-----
TOTAL	754	2,836	2,018	1,634	1,204	1,613	1,679	1,642	964	1,841	1,229	1,121
MEAN	24.3	94.5	65.1	52.7	43.0	52.0	56.0	53.0	32.1	59.4	39.6	37.4
MAX	67	340	204	171	199	94	275	163	160	514	167	204
MIN	12	28	14	16	17	18	17	19	10	11	13	21
CFSM	.81	3.16	2.18	1.76	1.44	1.74	1.87	1.77	1.07	1.99	1.32	1.25
IN.	.94	3.53	2.51	2.03	1.50	2.01	2.09	2.04	1.20	2.29	1.53	1.39

CAL YR 1973 TOTAL 20,158.0 MEAN 55.2 MAX 350 MIN 9.0 CFSM 1.85 IN 25.08
WTR YR 1974 TOTAL 18,535.0 MEAN 50.8 MAX 514 MIN 10 CFSM 1.70 IN 23.06

PEAK DISCHARGE (BASE, 300 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
11-16	0715	3.52	406	7-03	1345	5.88	a 860
12-10	UNKNOWN	3.02	306	7-30	0830	3.24	349
02-22	1730	3.12	325	8-04	2345	3.00	302
04-02	2115	3.12	325	9-04	0115	3.05	312
06-11	0800	3.08	317				a-About.

STREAMS TRIBUTARY TO LAKE ONTARIO

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.--10 years, 37.8 ft³/s (1.070 m³/s).

EXTREMES.--Current year: Maximum discharge 668 ft³/s (18.9 m³/s) Apr. 4 (gage height, 7.09 ft (2.161 m)); minimum daily, 2.3 ft³/s (0.065 m³/s) Oct. 8; minimum gage height, 0.74 ft (0.226 m) Oct. 8, 11, Aug. 3, 4.

Period of record: Maximum discharge, 1,030 ft³/s (29.2 m³/s) June 23, 1972 (gage height, 8.65 ft (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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	3.2	6.0	16	84	21	88	58	39	18	4.5	11
2	3.3	2.9	5.3	18	84	20	115	43	35	15	4.6	11
3	3.4	3.6	5.0	16	84	22	173	43	30	165	4.6	24
4	3.3	2.8	4.8	15	84	26	550	38	26	146	11	28
5	3.6	2.7	5.6	16	77	26	581	36	24	131	11	41
6	3.3	2.6	6.4	14	59	17	504	39	21	125	17	41
7	3.4	2.7	5.3	12	60	16	430	37	19	109	16	41
8	2.3	2.7	4.8	35	59	15	378	35	15	103	16	40
9	2.5	2.7	13	66	59	15	337	43	10	97	18	40
10	2.8	2.6	12	67	59	15	298	47	18	80	16	40
11	2.4	2.8	7.5	68	49	15	273	45	26	66	15	39
12	2.3	2.8	6.4	68	25	17	262	65	19	57	15	38
13	2.5	2.7	5.9	67	26	18	247	92	16	49	14	39
14	3.3	2.7	7.8	69	26	22	239	97	14	42	13	38
15	3.6	5.1	6.0	70	28	29	254	93	17	25	13	37
16	3.4	15	5.3	70	26	37	199	83	17	11	13	37
17	3.9	4.0	5.3	69	25	39	123	164	34	8.5	18	37
18	4.3	3.3	5.2	70	25	39	118	174	24	7.4	14	39
19	4.3	3.2	5.2	69	25	40	111	156	20	6.1	13	37
20	4.3	2.8	6.8	69	23	43	105	139	17	5.5	13	38
21	3.6	2.8	31	76	19	48	99	129	37	5.3	13	41
22	2.7	3.4	14	76	51	47	94	127	33	5.2	13	39
23	2.7	3.0	9.0	92	30	50	94	116	30	5.5	12	38
24	2.7	4.0	7.2	96	21	53	89	106	26	11	12	37
25	2.7	6.2	8.7	92	19	53	85	95	24	6.1	12	37
26	2.9	4.8	49	91	18	67	78	85	26	5.8	11	37
27	2.9	6.0	56	95	18	75	73	77	27	5.3	13	37
28	2.9	9.6	24	93	19	74	69	62	24	4.7	13	37
29	4.4	9.8	19	93	-----	73	65	49	24	9.4	18	37
30	4.1	6.9	18	88	-----	76	62	47	23	8.1	14	37
31	2.9	-----	16	86	-----	85	-----	49	-----	5.0	12	-----
TOTAL	99.9	129.4	381.5	1,942	1,182	1,193	6,193	2,469	715	1,337.9	402.7	1,073
MEAN	3.22	4.31	12.3	62.6	42.2	38.5	206	79.6	23.8	43.2	13.0	35.8
MAX	4.4	15	56	96	84	85	581	174	39	165	18	41
MIN	2.3	2.6	4.8	12	18	15	62	35	10	4.7	4.5	11
CAL YR 1973	TOTAL 14,745.2	MEAN 40.4	MAX 206	MIN 1.7								
WTR YR 1974	TOTAL 17,118.4	MEAN 46.9	MAX 581	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.--16 years, 107 ft³/s (3.030 m³/s).

EXTREMES.--Current year: Maximum discharge, 1,490 ft³/s (42.2 m³/s) July 3 (gage height, 7.91 ft or 2.411 m); maximum gage height, 8.36 ft (2.548 m) Apr. 4; minimum discharge, 26 ft³/s (0.74 m³/s) October 1 (gage height, 1.21 ft or 0.369 m).

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, 8.73 ft (2.661 m) June 23, 1972; 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 fair. 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	33	61	91	187	112	188	174	102	76	61	59
2	30	33	50	78	181	109	317	118	89	68	58	57
3	30	35	47	86	174	109	656	118	85	803	56	119
4	29	32	45	86	160	133	1,250	114	79	576	102	123
5	43	30	48	84	150	177	944	103	74	292	90	105
6	36	31	64	84	140	134	785	109	69	253	76	91
7	31	34	51	82	130	110	698	114	66	207	68	87
8	30	37	46	80	120	101	659	102	63	176	66	83
9	29	36	81	108	110	98	609	109	59	171	64	81
10	28	34	186	134	88	103	568	154	65	146	68	80
11	27	33	81	141	88	90	552	124	228	125	63	78
12	30	33	62	137	90	86	558	147	87	113	62	78
13	30	32	55	128	90	70	508	243	69	105	60	94
14	29	31	68	133	86	72	472	199	64	99	59	97
15	29	51	58	145	84	74	532	187	61	92	58	82
16	29	187	42	145	80	92	470	170	80	70	57	77
17	32	68	40	131	82	111	311	246	184	66	71	76
18	33	48	40	118	82	86	274	269	96	64	71	89
19	35	44	38	145	84	92	253	238	76	64	61	79
20	34	39	50	128	84	93	234	220	69	62	58	76
21	31	37	290	177	86	97	220	205	231	60	57	86
22	30	42	154	279	269	92	213	213	220	60	56	102
23	29	39	114	324	360	91	226	223	110	60	57	85
24	27	40	83	386	128	108	211	201	90	86	55	77
25	27	65	81	235	110	94	195	192	85	67	54	74
26	27	60	620	204	99	100	178	176	104	62	54	76
27	27	57	726	243	96	124	163	159	110	60	60	71
28	27	116	266	241	98	120	153	142	88	58	74	69
29	30	111	149	343	-----	114	145	120	88	69	71	68
30	38	76	134	247	-----	128	140	114	83	101	89	69
31	33	-----	100	211	-----	174	-----	105	-----	69	65	-----
TOTAL	946	1,544	3,930	5,154	3,536	3,294	12,682	5,108	2,974	4,380	2,021	2,488
MEAN	30.5	51.5	127	166	126	106	423	165	99.1	141	65.2	82.9
MAX	43	187	726	386	360	177	1,250	269	231	803	102	123
MIN	26	30	38	78	80	70	140	102	59	58	54	57
CAL YR 1973	TOTAL 46,674		MEAN 128	MAX 768	MIN 26							
WTR YR 1974	TOTAL 48,057		MEAN 132	MAX 1,250	MIN 26							

STREAMS TRIBUTARY TO LAKE ONTARIO

04240495 ONONDAGA LAKE AT LIVERPOOL, N.Y.

LOCATION.--Lat 43°06'01", long 76°12'34", Onondaga County, on north shore of Onondaga Lake at Onondaga Park Marina basin, 200 ft (61 m) southwest of Onondaga Lake Parkway, 1.9 mi (3.1 km) upstream from outlet of lake.

DRAINAGE AREA.--285 mi² (738 km²).

PERIOD OF RECORD.--October 1970 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (Barge Canal datum is at 0.99 ft (0.302 m)).

EXTREMES.--Current year: Maximum elevation, 366.12 ft (111.593 m) Apr. 6; minimum, 362.14 ft (110.380 m) July 13.
Period of record: Maximum elevation, 369.21 ft (112.535 m) June 30, 1972; minimum, 362.02 ft (110.344 m) June 16, 1973.

ELEVATION, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	362.40	362.74	362.98	364.14	363.26	363.35	362.89	362.54	363.39	362.61	363.27	362.54
2	362.51	362.58	362.90	363.94	363.09	363.39	363.44	362.54	363.34	362.31	362.98	362.39
3	362.56	362.56	362.75	363.54	363.14	363.38	364.09	362.24	363.22	363.83	362.87	362.62
4	362.48	362.62	362.55	363.34	362.59	363.42	365.28	362.44	362.73	364.73	363.14	363.02
5	362.50	362.59	362.52	363.34	362.58	363.42	365.95	362.64	362.54	364.50	363.46	362.97
6	362.47	362.83	362.67	363.34	362.87	363.56	366.10	362.74	362.63	364.10	363.21	363.29
7	362.39	362.67	362.85	363.34	362.98	363.61	365.99	362.84	362.70	363.49	362.93	363.13
8	362.36	362.60	362.85	363.24	362.86	363.46	365.75	362.64	362.71	362.96	362.83	362.98
9	362.37	362.80	362.90	363.14	363.07	363.27	365.40	362.54	362.56	362.96	362.65	362.88
10	362.36	362.90	363.16	362.84	363.17	363.15	365.09	362.64	362.54	362.94	362.70	362.74
11	362.38	362.83	362.96	363.14	363.20	363.05	365.09	363.14	362.84	362.84	362.70	362.56
12	362.52	362.80	362.92	363.14	363.19	363.17	365.04	363.00	362.90	362.78	362.65	362.48
13	362.59	362.85	362.97	363.24	363.09	363.15	364.96	363.66	362.93	362.29	362.55	362.88
14	362.70	362.94	363.07	363.24	362.84	363.03	364.83	363.64	362.93	362.66	362.58	362.97
15	362.75	362.82	363.19	363.24	362.59	362.98	364.83	363.89	362.89	362.89	362.82	362.97
16	362.78	363.29	363.14	363.14	362.79	363.21	364.80	364.07	362.90	362.86	362.90	362.91
17	362.90	363.29	363.08	363.04	362.87	363.42	364.69	364.48	362.99	362.68	362.96	362.77
18	362.88	363.10	362.95	362.94	362.86	363.39	364.52	364.80	362.99	362.74	363.03	362.64
19	362.49	362.84	362.79	362.84	362.82	363.27	364.34	364.98	362.97	362.72	363.01	362.57
20	362.34	362.59	362.73	362.74	362.81	362.99	364.16	365.07	362.95	362.51	363.02	362.70
21	362.24	362.73	362.97	362.64	362.78	362.85	364.04	365.02	363.08	362.32	363.00	362.79
22	362.26	362.73	363.44	362.74	363.08	362.83	363.94	364.79	363.27	362.38	362.85	362.90
23	362.55	362.74	363.64	363.05	363.94	362.71	364.14	364.55	363.27	362.71	362.77	362.92
24	362.71	363.04	364.75	363.47	364.29	362.64	363.94	364.11	363.27	362.91	362.73	362.94
25	362.74	363.32	364.80	363.43	364.14	362.55	363.84	363.53	362.72	362.77	362.68	362.72
26	362.51	363.13	365.50	363.38	363.94	362.67	363.74	363.34	362.59	362.49	362.62	362.66
27	362.37	362.98	366.20	363.39	363.59	362.69	363.24	363.21	362.60	362.66	362.91	362.76
28	362.26	362.99	366.30	363.47	363.29	362.67	362.84	363.09	362.87	363.16	362.82	362.91
29	362.31	362.79	365.04	363.51	-----	362.62	362.74	363.27	363.13	362.94	362.68	362.95
30	362.75	362.92	364.74	363.50	-----	362.43	362.64	363.40	362.86	363.12	362.76	362.96
31	362.78	-----	364.34	363.42	-----	362.46	-----	363.39	-----	363.05	362.65	-----
MEAN	362.52	362.85	363.54	363.25	363.13	363.06	364.41	363.49	362.91	362.96	362.86	362.82
MAX	362.90	363.32	366.30	364.14	364.29	363.61	366.10	365.07	363.39	364.73	363.46	363.29
MIN	362.24	362.56	362.52	362.64	362.58	362.43	362.64	362.24	362.54	362.29	362.55	362.39

CAL YR 1973 MEAN 363.32 MAX 366.83 MIN 362.24
WTR YR 1974 MEAN 363.15 MAX 366.30 MIN 362.24

NOTE.--No gage-height record Dec. 22 to Jan. 22 (figures based on data furnished by New York State Department of Transportation).

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.--51 years, 535 ft³/s (15.15 m³/s) (unadjusted).

EXTREMES.--Current year: Maximum discharge, about 7,600 ft³/s (215 m³/s) Dec. 27; minimum, 29 ft³/s (0.82 m³/s) July 22 (gage height, 0.86 ft or 0.262 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 poor. 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	96	360	1,000	811	600	506	650	1,220	390	195	501	142
2	165	300	700	628	520	417	666	940	362	195	355	117
3	530	250	680	592	470	373	1,020	676	310	2,570	274	200
4	453	320	640	546	440	589	2,860	781	306	1,340	1,360	396
5	499	180	1,300	488	420	1,850	4,860	616	237	1,890	2,250	277
6	563	160	2,530	429	400	2,360	3,540	642	193	1,010	1,010	173
7	368	200	1,500	420	440	2,220	1,970	1,170	165	490	492	141
8	270	240	1,220	350	430	2,000	1,400	940	153	309	320	110
9	213	280	1,470	340	410	1,450	918	2,540	150	228	246	103
10	175	200	2,440	340	380	1,000	718	5,770	150	267	211	87
11	151	140	1,250	340	350	696	725	2,720	302	267	168	79
12	135	200	900	310	330	578	1,020	2,580	380	188	129	80
13	129	350	700	290	310	411	1,510	5,250	276	148	110	332
14	158	520	600	290	300	399	2,430	2,820	222	135	97	386
15	183	654	500	290	280	370	4,110	1,420	198	110	83	230
16	175	1,980	450	300	260	450	2,760	925	273	101	72	160
17	183	1,200	400	250	250	660	1,970	1,510	536	91	173	140
18	228	686	350	220	240	540	2,110	1,320	375	84	316	300
19	306	558	450	230	230	460	1,920	795	243	91	228	250
20	313	520	700	250	230	420	1,460	566	204	207	156	173
21	261	448	2,200	280	240	380	1,260	481	395	191	118	303
22	213	514	1,500	860	900	350	1,610	450	306	137	96	518
23	178	504	1,100	1,100	1,570	420	3,600	508	204	104	82	490
24	158	478	1,000	880	1,210	450	1,980	514	160	144	79	335
25	144	1,130	3,000	740	1,240	350	1,090	536	145	238	73	246
26	133	907	4,500	640	1,020	330	802	470	111	243	69	289
27	127	803	6,000	1,700	784	320	629	400	243	308	79	256
28	119	1,620	3,130	1,400	595	310	560	371	163	667	124	211
29	117	1,740	1,870	1,100	-----	280	623	344	127	628	148	211
30	282	1,200	1,400	900	-----	420	964	330	180	1,320	164	350
31	473	-----	984	740	-----	540	-----	273	-----	890	162	-----
TOTAL	7,498	18,642	46,464	18,054	14,849	21,899	51,735	39,878	7,459	14,786	9,745	7,085
MEAN	242	621	1,499	582	530	706	1,725	1,286	249	477	314	236
MAX	563	1,980	6,000	1,700	1,570	2,360	4,860	5,770	536	2,570	2,250	518
MIN	96	140	350	220	230	280	560	273	111	84	69	79
(\neq)	24.7	23.8	23.2	24.5	25.0	25.1	23.2	23.0	25.4	25.9	27.6	25.1

CAL YR 1973 TOTAL 246,978 MEAN 677 MAX 6,000 MIN 14 \neq 25.7
WTR YR 1974 TOTAL 258,094 MEAN 707 MAX 6,000 MIN 69 \neq 24.7

PEAK DISCHARGE (BASE, 4,900 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-27	-	-	About 7,600	5-10	0800	7.39	7,180
4-05	0200	6.34	5,240	5-13	0330	6.81	6,070

\neq Diversion, in cubic feet per second, by cities of Rome and Oneida for water supply (figures supplied by respective cities).

NOTE.--No gage-height record Dec. 12-27.

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 Sconondoa Street at Oneida, and 500 ft (152 m) downstream from Sconondoa 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.--25 years, 156 ft³/s (4.418 m³/s) (18.75 in/yr (476.2 mm/yr)).

EXTREMES.--Current year: Maximum discharge, 3,040 ft³/s (86.1 m³/s) Dec. 27 (gage height, 10.22 ft (3.115 m)); minimum, 22 ft³/s (0.62 m³/s) Oct. 14, 15 (gage height, 1.45 ft (0.442 m)).

Period of record: Maximum discharge, 9,260 ft³/s (262 m³/s) June 22, 1972 (gage height, 14.61 ft (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 poor. Occasional regulation by small mills upstream from station.

REVISIONS.--WRD N.Y. 1967: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	42	205	540	241	239	256	189	89	68	73	69
2	43	49	150	480	222	205	673	137	83	59	59	58
3	43	66	130	410	236	230	1,000	135	82	950	52	322
4	37	60	126	360	219	509	1,600	146	79	421	58	319
5	51	55	157	310	220	652	959	118	73	281	63	152
6	44	63	521	330	230	418	611	122	70	155	49	99
7	35	72	272	300	210	328	533	143	64	110	43	80
8	34	79	192	260	190	268	524	120	61	88	41	66
9	33	91	811	240	170	233	403	120	59	76	39	61
10	34	73	784	270	160	239	445	164	60	69	38	54
11	33	66	368	280	150	189	604	143	124	60	35	50
12	33	69	268	240	160	172	515	184	75	50	34	56
13	31	88	213	200	150	130	434	512	69	50	34	192
14	29	98	208	180	130	146	411	268	64	48	33	116
15	26	179	159	210	110	126	539	182	61	47	31	76
16	32	891	130	200	120	172	382	146	116	44	31	64
17	35	322	120	150	130	268	296	397	126	42	41	64
18	39	192	130	120	120	155	250	271	79	41	47	114
19	43	152	300	150	110	187	224	189	65	44	35	75
20	55	120	450	200	140	174	194	152	61	51	33	65
21	41	103	840	250	120	172	182	135	120	40	31	118
22	36	146	400	554	769	169	177	126	124	38	30	182
23	34	112	350	872	611	160	230	128	80	35	29	106
24	34	108	300	592	302	222	202	128	68	59	39	86
25	34	253	350	350	244	162	177	132	70	54	42	76
26	33	213	1,300	281	200	155	155	122	141	44	35	79
27	32	202	2,250	712	179	143	141	116	122	40	41	69
28	32	296	1,200	484	177	139	130	106	85	69	68	61
29	32	241	900	496	-----	126	126	103	75	77	126	65
30	56	208	720	346	-----	143	122	105	77	302	236	83
31	47	-----	620	296	-----	200	-----	92	-----	92	92	-----
TOTAL	1,150	4,709	14,924	10,663	6,020	6,831	12,495	5,131	2,522	3,604	1,638	3,077
MEAN	37.1	157	481	344	215	220	417	166	84.1	116	52.8	103
MAX	56	891	2,250	872	769	652	1,600	512	141	950	236	322
MIN	26	42	120	120	110	126	122	92	59	35	29	50
CFSM	.33	1.39	4.26	3.04	1.90	1.95	3.69	1.47	.74	1.03	.47	.91
IN.	.38	1.55	4.91	3.51	1.98	2.25	4.11	1.69	.83	1.19	.54	1.01

CAL YR 1973 TOTAL 69,004 MEAN 189 MAX 2,250 MIN 24 CFSM 1.67 IN 22.72
WTR YR 1974 TOTAL 72,764 MEAN 199 MAX 2,250 MIN 26 CFSM 1.76 IN 23.95

PEAK DISCHARGE (BASE, 1,900 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-09	2315	8.23	2,160	4-04	2100	8.05	2,100
12-27	0815	10.22	3,040				

† About.

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 427.75 ft (130.378 m) above mean sea level (revised).

AVERAGE DISCHARGE.--34 years (1940-74), 139 ft³/s (3.936 m³/s).

EXTREMES.--Current year: Maximum discharge, 4,860 ft³/s (138 m³/s) July 3 (gage height, 8.66 ft or 2.640 m); minimum, 19 ft³/s (0.54 m³/s) Oct. 8; minimum gage height, 1.37 ft (0.418 m) Aug. 16.

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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	35	157	250	195	244	230	159	93	52	62	77
2	31	38	115	220	180	208	478	113	80	45	60	70
3	32	43	100	190	168	217	1,220	108	70	1,800	54	334
4	31	40	96	170	148	374	2,610	115	66	1,010	79	390
5	32	35	133	160	132	570	1,350	96	60	286	104	141
6	32	38	420	148	130	398	640	98	56	224	64	96
7	30	38	178	148	130	282	424	110	53	174	54	80
8	28	42	141	117	120	240	482	96	51	146	52	68
9	28	48	415	119	120	220	398	100	50	124	50	62
10	28	45	664	130	110	250	353	195	51	109	48	55
11	27	40	268	135	110	195	437	143	86	100	45	50
12	24	38	202	124	100	180	534	221	58	88	38	58
13	23	45	173	112	110	137	403	500	56	77	38	96
14	23	58	211	109	120	137	365	224	51	70	36	96
15	24	84	154	119	100	135	593	167	48	68	36	64
16	24	424	110	130	92	186	342	141	55	64	33	53
17	28	151	84	112	90	247	268	374	66	54	52	50
18	30	100	80	86	86	143	231	251	55	50	52	66
19	32	89	100	80	90	183	202	170	48	50	38	60
20	38	75	150	90	100	174	178	146	46	48	40	51
21	34	68	796	135	120	168	170	133	150	45	45	68
22	30	80	486	286	500	160	162	125	143	43	43	141
23	27	71	365	402	684	160	205	128	79	43	43	82
24	27	68	286	435	264	204	189	120	58	79	41	68
25	26	133	248	237	224	165	167	128	56	70	40	62
26	24	143	1,260	198	186	160	143	113	97	54	38	66
27	24	123	1,800	370	174	154	128	110	100	48	50	60
28	24	170	874	370	177	148	120	118	64	58	102	53
29	26	149	448	406	-----	135	118	120	64	79	143	53
30	45	143	390	268	-----	165	118	120	64	224	304	75
31	46	-----	278	230	-----	233	-----	98	-----	79	107	-----
TOTAL	905	2,654	11,182	6,086	4,760	6,572	13,258	4,840	2,074	5,461	1,991	2,745
MEAN	29.2	88.5	361	196	170	212	442	156	69.1	176	64.2	91.5
MAX	46	424	1,800	435	684	570	2,610	500	150	1,800	304	390
MIN	23	35	80	80	86	135	118	96	46	43	33	50

CAL YR 1973 TOTAL 54,836 MEAN 150 MAX 1,800 MIN 23
WTR YR 1974 TOTAL 62,528 MEAN 171 MAX 2,610 MIN 23

PEAK DISCHARGE (BASE, 1,500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-27	0630	5.64	2,170	7-03	1100	8.66	4,860
04-04	1630	6.50	2,860				

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.--16 years, 47.1 ft³/s (1.334 m³/s) (19.86 in/yr (504.4 mm/yr)).

EXTREMES.--Current year: Maximum discharge, 2,820 ft³/s (79.9 m³/s) July 3 (gage height, 7.84 ft (2.390 m)); minimum discharge, 6.2 ft³/s (0.18 m³/s) Oct. 1, 2; minimum gage height, 4.23 ft (1.289 m) Aug. 26-27.

Period of record: Maximum discharge, 2,820 ft³/s (79.9 m³/s) July 3, 1974 (gage height, 7.84 ft (2.390 m)); minimum discharge, 2.0 ft³/s (0.057 m³/s) Sept. 27, 1959 (gage height, 2.26 ft (0.689 m)).

REMARKS.--Records fair, except those above 250 ft³/sec (7.1 m³/sec) and those for winter periods, which are poor.

REVISIONS.--WRD N.Y. 1967: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.5	11	17	68	58	54	47	78	43	22	16	21
2	7.4	11	14	52	53	46	119	60	38	22	16	19
3	7.4	12	13	48	50	51	315	59	35	989	14	168
4	7.1	10	12	44	45	96	597	59	33	312	43	93
5	8.6	9.5	18	41	41	145	482	53	30	108	27	39
6	7.6	9.9	32	38	39	97	277	57	29	82	18	30
7	7.1	9.9	19	36	36	72	207	57	27	57	15	27
8	6.8	10	16	31	34	59	205	52	25	45	14	24
9	6.8	9.9	49	30	32	56	174	57	24	39	13	22
10	6.8	9.2	72	29	30	61	159	95	25	35	13	21
11	7.1	9.2	35	29	29	49	202	68	44	33	12	20
12	7.1	9.2	26	27	28	43	223	146	30	31	11	21
13	7.1	9.2	22	25	30	32	183	190	27	29	11	29
14	7.6	8.9	22	28	31	28	197	95	25	27	10	24
15	7.4	15	18	30	27	27	259	72	25	25	9.7	20
16	7.4	38	15	28	26	41	161	63	39	24	9.3	18
17	8.6	17	13	22	25	55	129	234	41	23	18	18
18	9.5	13	12	19	25	30	111	116	34	22	15	23
19	12	12	17	21	25	39	100	84	25	20	11	19
20	12	11	28	25	30	37	90	71	24	20	10	18
21	9.9	9.9	110	48	33	33	84	65	110	18	9.7	32
22	9.2	11	64	76	197	33	83	62	55	17	8.9	35
23	8.6	9.9	46	114	148	29	98	69	35	17	8.9	23
24	8.2	10	38	97	68	42	93	62	29	35	8.5	20
25	8.2	18	40	65	52	27	79	60	29	24	8.5	20
26	8.2	17	200	55	44	29	70	55	38	19	8.1	21
27	8.2	16	435	106	39	26	64	54	33	18	14	18
28	8.2	19	205	104	42	24	61	53	26	18	35	17
29	8.9	20	133	121	-----	23	60	58	32	32	133	20
30	15	19	110	81	-----	25	59	53	27	38	91	21
31	10	-----	81	71	-----	49	-----	48	-----	19	27	-----
TOTAL	260.5	394.7	1,932	1,609	1,317	1,458	4,988	2,405	1,037	2,220	658.6	901
MEAN	8.40	13.2	62.3	51.9	47.0	47.0	166	77.6	34.6	71.6	21.2	30.0
MAX	15	38	435	121	197	145	597	234	110	989	133	168
MIN	6.5	8.9	12	19	25	23	47	48	24	17	8.1	17
CFSM	.26	.41	1.93	1.61	1.46	1.46	5.16	2.41	1.07	2.22	.66	.93
IN.	.30	.46	2.23	1.86	1.52	1.68	5.76	2.78	1.20	2.56	.76	1.04

CAL YR 1973 TOTAL 17,032.9 MEAN 46.7 MAX 435 MIN 6.5 CFSM 1.45 IN 19.68
WTR YR 1974 TOTAL 19,180.8 MEAN 52.6 MAX 989 MIN 6.5 CFSM 1.63 IN 22.16

PEAK DISCHARGE (BASE, 550 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
4-04	0230	7.19	854	8-29	1900	6.46	1,120
7-03	0900	7.84	2,820				

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.

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.

EXTREMES.--Current year: Maximum gage height, 10.25 ft (3.124 m) May 14; minimum, 6.96 ft (2.121 m) Feb. 22.

EXTREMES.--Current year: Maximum gage height, 10.25 ft (3.124 m) May 14; minimum, 6.96 ft (2.121 m) Feb. 22.
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 ml ft³ (1,404 km³). 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.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.38	8.41	8.72	9.31	8.35	7.53	7.48	8.40	8.72	8.48	8.90	8.75
2	8.45	8.59	8.81	9.25	8.34	7.54	7.70	8.72	8.73	8.53	8.88	8.74
3	8.36	8.48	8.70	9.15	8.28	7.55	7.85	8.79	8.70	8.94	8.77	8.78
4	8.39	8.64	8.56	9.03	8.20	7.54	8.15	8.60	8.72	9.40	8.75	8.84
5	8.26	8.73	8.50	8.92	8.12	7.68	8.58	8.78	8.72	9.68	8.78	8.88
6	8.39	8.61	8.47	8.80	8.04	7.92	8.97	8.76	8.73	9.79	8.85	8.86
7	8.43	8.71	8.55	8.69	7.97	8.09	9.24	8.76	8.87	9.75	8.84	8.73
8	8.41	8.68	8.59	8.58	7.89	8.22	9.36	8.91	8.73	9.63	8.76	8.65
9	8.37	8.57	8.58	8.49	7.81	8.32	9.40	9.11	8.68	9.47	8.70	8.57
10	8.33	8.52	8.65	8.36	7.75	8.26	9.32	9.27	8.68	9.30	8.72	8.50
11	8.43	8.48	8.75	8.26	7.67	8.26	9.34	9.63	8.68	9.13	8.68	8.49
12	8.36	8.44	8.78	8.17	7.62	8.20	9.39	9.77	8.77	9.02	8.63	8.46
13	8.37	8.35	8.84	8.08	7.55	8.10	9.33	9.77	8.82	9.07	8.60	8.42
14	8.06	8.28	8.60	7.99	7.46	8.04	9.29	10.08	8.87	8.92	8.55	8.40
15	8.27	8.34	8.54	7.88	7.41	8.00	9.14	10.01	8.93	8.82	8.57	8.43
16	8.21	8.50	8.46	7.80	7.36	7.98	9.29	9.96	8.94	8.75	8.58	8.38
17	8.29	8.66	8.30	7.72	7.27	7.79	9.39	9.90	8.91	8.75	8.61	8.38
18	8.37	8.84	8.24	7.67	7.22	7.83	9.34	9.86	8.96	8.71	8.64	8.42
19	8.43	8.88	8.20	7.56	7.18	7.85	9.26	9.77	8.98	8.63	8.69	8.50
20	8.49	8.89	8.11	7.51	7.10	7.87	9.24	9.66	8.98	8.67	8.69	8.46
21	8.48	8.98	8.04	7.46	7.07	7.93	9.15	9.58	9.02	8.69	8.70	8.49
22	8.52	8.80	8.10	7.43	7.11	7.79	9.03	9.40	8.90	8.70	8.69	8.51
23	8.55	8.76	8.11	7.47	7.24	7.80	8.95	9.25	8.79	8.69	8.69	8.58
24	8.55	8.72	8.11	7.59	7.40	7.62	8.98	9.16	8.69	8.80	8.60	8.63
25	8.62	8.62	8.10	7.68	7.48	7.72	8.92	9.10	8.72	8.73	8.63	8.64
26	8.57	8.74	8.15	7.72	7.54	7.53	8.80	9.07	8.70	8.74	8.64	8.60
27	8.50	8.74	8.48	7.77	7.57	7.52	8.76	9.06	8.68	8.71	8.59	8.63
28	8.75	8.64	8.92	7.94	7.56	7.50	8.64	8.98	8.71	8.75	8.63	8.65
29	9.13	8.59	9.21	8.16	-----	7.76	8.52	8.96	8.63	8.83	8.69	8.52
30	8.56	8.73	9.31	8.29	-----	7.66	8.52	8.89	8.54	8.94	8.71	8.41
31	8.57	-----	9.36	8.31	-----	7.39	-----	8.87	-----	8.95	8.74	-----
MEAN	8.45	8.63	8.54	8.16	7.63	7.83	8.91	9.25	8.78	8.96	8.69	8.58
MAX	9.13	8.98	9.36	9.31	8.35	8.32	9.40	10.08	9.02	9.79	8.90	8.88
MIN	8.06	8.28	8.04	7.43	7.07	7.39	7.48	8.40	8.54	8.48	8.55	8.

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.--37 years (1902-12, 1947-74), 2,498 ft³/s (70.74 m³/s).

EXTREMES.--Current year: Maximum daily discharge, 7,510 ft³/s (213 m³/s) May 14; minimum daily, 177 ft³/s (5.01 m³/s) Oct. 12.

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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	920	778	5,200	6,300	4,630	3,610	3,600	2,420	3,730	1,350	3,450	740
2	919	1,140	5,360	6,200	4,480	3,600	3,750	2,420	3,740	616	3,390	728
3	870	1,500	5,240	6,050	4,360	3,830	4,120	2,450	2,120	3,030	3,430	2,260
4	714	1,530	4,970	5,870	4,270	4,180	4,700	2,470	1,100	5,130	3,410	2,200
5	1,200	2,440	4,880	5,710	4,150	4,340	5,410	2,460	1,120	6,780	3,430	2,890
6	1,680	2,930	4,730	5,510	4,030	4,490	5,940	2,360	1,140	7,020	3,460	3,320
7	1,480	2,190	4,960	5,320	3,920	4,620	6,200	1,900	1,220	6,950	3,460	3,270
8	1,490	2,680	5,120	5,140	3,820	4,500	6,360	997	1,190	6,740	3,420	3,220
9	1,070	3,360	5,170	5,010	3,710	4,500	6,200	1,040	1,160	6,490	2,830	3,180
10	697	3,340	5,150	4,780	3,650	4,390	6,110	2,290	967	6,200	2,420	2,390
11	389	3,240	5,350	4,620	3,520	4,230	6,040	3,450	851	5,910	2,400	2,010
12	177	3,020	5,430	4,450	3,430	4,160	6,230	5,000	846	4,160	1,350	1,970
13	196	2,820	5,540	4,320	3,370	4,110	6,310	6,820	828	3,110	641	1,980
14	210	2,720	5,210	4,170	3,280	4,060	6,080	7,510	821	3,080	642	1,960
15	218	2,720	5,070	4,030	3,200	3,740	6,200	7,370	808	3,050	656	2,000
16	226	2,780	4,960	3,910	3,180	4,030	6,100	7,300	798	2,040	665	1,960
17	252	2,800	4,720	3,790	3,060	3,740	6,000	7,200	772	1,610	683	1,330
18	254	2,880	4,550	3,620	2,980	3,920	5,900	7,140	771	1,610	693	692
19	212	3,220	4,470	3,540	2,970	3,900	5,800	6,970	776	1,070	686	682
20	202	3,500	4,350	3,470	3,060	3,900	5,800	6,780	752	774	705	721
21	205	3,630	4,240	3,450	3,160	3,800	5,700	6,640	2,550	780	736	661
22	187	3,480	4,300	3,650	3,150	3,800	5,710	6,340	5,060	789	716	670
23	191	4,170	4,360	3,770	3,150	3,760	5,590	6,120	4,930	796	736	742
24	498	4,830	4,370	3,850	3,560	3,530	5,660	4,930	4,060	805	774	1,060
25	678	4,690	4,360	3,900	3,630	3,680	5,570	3,700	2,440	786	779	1,020
26	656	4,780	4,450	4,270	3,610	3,410	5,370	3,730	2,450	767	773	1,030
27	652	4,910	4,990	4,580	3,560	3,400	5,320	3,680	2,420	777	796	1,060
28	632	4,790	5,690	4,740	3,590	3,370	5,110	3,720	2,390	834	786	1,050
29	724	4,620	6,140	4,720	-----	3,750	4,920	3,740	2,390	827	779	1,060
30	641	4,970	6,270	4,790	-----	3,320	3,430	3,740	2,190	1,450	763	1,040
31	702	-----	6,400	4,730	-----	3,140	-----	3,790	-----	3,050	743	-----
TOTAL	19,142	96,458	156,000	142,260	100,480	120,810	165,230	136,477	56,390	88,381	50,202	48,896
MEAN	617	3,215	5,032	4,589	3,589	3,897	5,508	4,402	1,880	2,851	1,619	1,630
MAX	1,680	4,970	6,400	6,300	4,630	4,620	6,360	7,510	5,060	7,020	3,460	3,320
MIN	177	778	4,240	3,450	2,970	3,140	3,430	997	752	616	641	661

CAL YR 1973 TOTAL 1,084,396 MEAN 2,971 MAX 7,590 MIN 177
WTR YR 1974 TOTAL 1,180,726 MEAN 3,235 MAX 7,510 MIN 177

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.--41 years (1933-74), 6,478 ft³/s (183.5 m³/s).

EXTREMES.--Current year: Maximum daily discharge, 19,900 ft³/s (564 m³/s) Apr. 7; maximum gage height, 9.57 ft (2.917 m) Apr. 5; minimum daily, 880 ft³/s (24.9 m³/s) Oct. 23; minimum gage height, 1.84 ft (0.561 m) Oct. 24, 25.

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.--Record fair. Prior to 1933 and subsequent to 1972, flow in Oswego (Barge) Canal not included. A large amount of natural storage and some artificial regulation is afforded by the many large lakes and the Erie (Barge) and Oswego (Barge) Canal systems in the river basin. Large diurnal fluctuations at low and medium flow caused by powerplants upstream from station. Oswego River basin receives water from Erie (Barge) Canal through lock 32 near Pittsford. Water may be diverted into or received from Mohawk River basin through 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 Tioughnioga River basin may be diverted into De Ruyter Reservoir. In Oswego River basin.

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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,600	3,000	8,290	16,000	12,300	10,000	7,920	5,510	8,490	5,430	6,910	6,910
2	2,000	3,130	8,260	14,600	11,700	10,200	11,700	5,100	8,340	3,800	7,920	7,920
3	1,900	3,170	8,060	13,800	11,300	10,300	13,900	4,470	8,170	10,300	5,840	5,840
4	2,100	3,090	7,500	12,500	10,800	11,000	17,100	4,000	6,190	17,100	6,770	6,770
5	2,200	3,220	6,630	11,900	9,650	11,700	19,200	4,630	4,660	16,600	8,030	8,030
6	2,800	3,660	7,560	11,900	9,410	11,900	19,800	4,930	4,000	15,800	8,780	8,780
7	2,500	5,180	7,590	11,700	9,120	12,600	19,900	4,850	3,300	14,100	7,840	7,840
8	2,100	4,880	8,010	11,200	8,830	12,800	19,500	4,390	3,400	12,000	5,660	5,660
9	2,100	5,200	8,060	10,600	8,290	12,500	18,700	4,210	3,100	9,850	5,250	5,250
10	1,700	5,510	9,910	10,100	8,290	12,000	17,700	4,560	2,800	9,910	3,280	3,280
11	1,300	5,280	10,100	9,700	8,170	11,100	17,200	6,110	2,800	8,520	3,610	3,610
12	1,000	5,430	10,500	9,850	8,520	10,600	17,200	7,420	2,900	7,950	3,220	3,220
13	1,100	5,230	10,000	9,880	8,980	10,600	17,000	11,700	2,900	5,450	2,600	2,600
14	1,200	5,640	11,000	9,760	9,100	10,500	16,600	14,200	3,000	3,800	1,800	2,030
15	1,300	5,580	11,000	9,760	7,700	9,820	16,300	14,500	2,900	3,900	1,500	1,860
16	1,400	7,110	11,000	9,760	7,610	9,530	16,200	14,800	3,000	3,900	2,310	4,000
17	1,700	7,750	10,000	9,410	7,500	10,000	16,200	16,100	3,100	3,100	2,320	3,530
18	2,320	6,630	9,600	8,010	7,030	9,970	15,800	16,400	3,000	3,000	2,660	3,090
19	2,400	6,380	9,200	7,780	7,500	10,400	15,100	16,800	3,000	2,800	2,380	2,710
20	1,880	6,610	9,200	7,360	7,420	10,500	14,700	17,000	3,000	2,600	2,520	2,320
21	1,750	5,250	9,200	7,140	7,530	9,940	14,100	16,900	4,000	2,300	2,600	2,790
22	1,370	5,560	9,000	7,420	7,950	9,070	13,400	16,200	8,570	2,000	2,660	2,810
23	880	5,530	9,400	8,660	10,900	8,890	13,100	15,500	8,600	1,700	2,420	2,870
24	1,550	6,490	10,000	11,100	12,000	8,720	12,800	13,700	8,600	2,700	2,420	3,110
25	2,380	7,700	11,000	11,800	12,800	7,950	12,700	10,600	7,330	4,050	2,250	3,700
26	2,660	8,720	12,000	11,700	12,900	7,220	12,100	9,940	5,250	3,390	1,840	3,020
27	2,170	8,490	16,500	12,000	12,000	7,250	11,700	9,040	4,500	2,820	2,250	2,520
28	2,140	8,980	18,900	13,100	10,900	7,450	10,700	9,150	3,700	3,500	3,370	2,770
29	1,440	8,980	18,700	14,000	-----	7,280	9,560	8,010	5,400	4,020	3,700	3,200
30	2,010	7,950	18,100	13,700	-----	7,050	8,750	8,430	6,010	5,270	3,440	2,960

04249010 LAKE ONTARIO AT OSWEGO, N.Y.

LOCATION.--Lat 43°27'51", long 76°30'42", Oswego County, in southwest corner of Port of Oswego Authority building at mouth of Oswego River at Oswego.

PERIOD OF RECORD.--January 1860 to current year. Data prior to October 1960 in files of Lake Survey Center.

GAGE.--Water-stage recorder. Elevations are in feet above mean water level at Father Point, Quebec, International Great Lakes Datum (1955). Prior to Jan. 1, 1933, nonrecording gages.

EXTREMES.--Current year: Maximum elevation, 247.95 ft (75.575 m) July 3; minimum, 243.77 ft (74.301 m) Nov. 24.

Period of record: Maximum elevation observed, 248.96 ft (75.883 m) June 6, 1952; minimum observed, 240.94 ft (73.438 m) Dec. 23, 1934.

COOPERATION.--Records furnished by U.S. Department of Commerce, NOAA-NOS, Lake Survey Center, Detroit, Mich.

ELEVATION, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	245.07	244.75	244.34	244.83	245.50	245.74	246.01	246.93	247.56	247.33	246.83	245.90
2	245.05	244.62	244.17	244.81	245.45	245.65	246.01	246.81	247.54	247.31	246.79	245.90
3	245.10	244.81	244.19	244.80	245.50	245.53	245.99	246.87	247.52	247.50	246.76	245.84
4	245.08	244.69	244.23	244.89	245.53	245.66	246.09	246.91	247.51	247.43	246.77	245.71
5	245.30	244.62	244.23	244.86	245.59	245.78	246.20	246.82	247.50	247.50	246.82	245.68
6	245.17	244.74	244.34	244.87	245.46	245.78	246.29	246.87	247.47	247.50	246.78	245.62
7	245.08	244.53	244.29	244.99	245.58	245.87	246.28	246.91	247.41	247.47	246.74	245.61
8	245.04	244.51	244.22	244.91	245.53	245.82	246.31	246.85	247.44	247.47	246.70	245.55
9	245.00	244.52	244.26	244.81	245.58	245.82	246.36	246.85	247.42	247.46	246.64	245.54
10	244.97	244.46	244.30	244.88	245.55	246.06	246.38	246.95	247.40	247.50	246.52	245.53
11	244.90	244.37	244.34	244.91	245.77	245.93	246.37	246.91	247.45	247.45	246.43	245.51
12	244.85	244.25	244.28	245.00	245.58	245.96	246.33	247.01	247.46	247.42	246.42	245.54
13	244.83	244.26	244.19	245.03	245.60	246.05	246.39	247.14	247.44	247.39	246.44	245.60
14	245.02	244.28	244.40	244.93	245.60	245.99	246.40	247.06	247.43	247.33	246.42	245.63
15	244.98	244.27	244.34	245.01	245.59	245.89	246.61	247.14	247.35	247.36	246.34	245.54
16	245.08	244.47	244.32	245.00	245.54	245.90	246.60	247.21	247.42	247.30	246.30	245.51
17	244.96	244.49	244.43	244.99	245.70	246.35	246.57	247.33	247.43	247.26	246.32	245.45
18	244.89	244.33	244.36	244.92	245.57	246.09	246.61	247.37	247.41	247.19	246.33	245.42
19	244.80	244.31	244.16	245.01	245.50	246.03	246.63	247.38	247.44	247.28	246.30	245.32
20	244.80	244.23	244.19	244.89	245.69	245.93	246.61	247.36	247.48	247.22	246.27	245.34
21	244.72	244.15	244.51	244.96	245.54	246.00	246.61	247.39	247.46	247.15	246.23	245.32
22	244.65	244.24	244.38	245.10	245.60	245.99	246.65	247.39	247.52	247.05	246.18	245.36
23	244.62	244.24	244.41	245.15	246.11	245.94	246.76	247.44	247.50	246.96	246.16	245.24
24	244.60	244.17	244.27	245.12	245.69	246.12	246.81	247.47	247.49	246.94	246.19	245.13
25	244.55	244.31	244.21	245.14	245.74	245.97	246.78	247.49	247.46	246.90	246.11	245.07
26	244.59	244.19	244.39	245.09	245.74	246.02	246.79	247.49	247.44	246.86	246.04	245.09
27	244.59	244.16	244.49	245.26	245.61	245.99	246.77	247.50	247.39	246.84	246.06	245.06
28	244.39	244.31	244.63	245.28	245.63	245.91	246.76	247.50	247.34	246.81	246.05	245.04
29	244.39	244.48	244.60	245.33	-----	245.73	246.79	247.51	247.35	246.79	245.99	245.21
30	244.53	244.40	244.77	245.32	-----	245.77	246.82	247.53	247.34	246.83	245.97	245.21
31	244.48	-----	244.67	245.54	-----	246.02	-----	247.49	-----	246.85	245.94	-----
MEAN	244.84	244.41	244.35	245.02	245.61	245.91	246.49	247.19	247.45	247.21	246.38	245.45
MAX	245.30	244.81	244.77	245.54	246.11	246.35	246.82	247.53	247.56	247.50	246.83	245.90
MIN	244.39	244.15	244.16	244.80	245.45	245.53	245.99	246.81	247.34	246.79	245.94	245.04

CAL YR 1973 MEAN 246.25 MAX 247.99 MIN 244.15
WTR YR 1974 MEAN 245.86 MAX 247.56 MIN 244.15

LAKE ONTARIO BASIN

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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 sq. mi (19.0 km).

PERIOD OF RECORD.--April to September 1974.

GAGE.--Water-stage recorder. Altitude of gage is 540 ft (164 m) from topographic map (nearest 10 ft).

EXTREMES.--Maximum discharge during period, 324 ft³/s (9.18 m³/s) Apr. 6 (gage height, 5.63 ft or 1.716 m); minimum, 8.6 ft³/s (0.24 m³/s) June 7 (gage height, 3.36 ft or 1.024 m).

REMARKS.--Records good. Occasional diurnal fluctuation.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							50	40	31	25	56	18
2							57	42	24	21	41	17
3							69	40	24	183	32	25
4							137	45	23	242	82	32
5							292	45	20	186	187	28
6							255	44	19	138	153	24
7							148	54	17	98	85	20
8							106	60	15	69	57	18
9							87	72	14	52	44	16
10							73	170	18	47	59	15
11							65	181	43	38	69	15
12							62	116	30	31	54	17
13							66	178	24	29	63	29
14							76	175	20	27	41	37
15							104	105	18	24	24	34
16							102	79	27	22	16	28
17							79	75	31	19	22	24
18							63	73	26	20	27	62
19							54	64	23	24	24	61
20							46	55	22	21	23	38
21							42	45	23	16	21	36
22							42	36	24	15	20	38
23							59	40	20	16	18	35
24							70	46	17	22	16	34
25							67	40	16	20	15	39
26							55	44	24	18	14	40
27							45	49	25	22	15	37
28						31	39	36	21	27	12	28
29					-----	29	36	43	24	45	16	18
30					-----	31	36	33	29	90	20	16
31		-----			-----	42	-----	28	-----	72	19	-----
TOTAL							2,482	2,153	692	1,679	1,345	879
MEAN							82.7	69.5	23.1	54.2	43.4	29.3
MAX							292	181	43	242	187	62
MIN							36	28	14	15	12	15
CFSM							7.01	5.89	1.96	4.59	3.68	2.48
IN.							7.82	6.79	2.18	5.29	4.24	2.77

PEAK DISCHARGE (BASE, 250 CFS)

DATE	TIME	G. H.	DISCHARGE
4-06	0230	5.63	324
7-04	0245	5.45	272

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.--17 years, 247 ft³/s (6.995 m³/s) (26.21 in/yr or 665.7 mm/yr).

EXTREMES.--Current year: Maximum discharge, 5,930 ft³/s (168 m³/s) Apr. 4 (gage height, 8.99 ft or 2.740 m); minimum, 9.6 ft³/s (0.27 m³/s) Oct. 1 (gage height, 1.00 ft or 0.305 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	162	471	486	487	230	186	547	137	47	69	15
2	11	679	296	320	230	203	285	358	122	43	41	14
3	32	481	256	270	180	230	1,240	277	135	204	30	23
4	54	274	328	240	160	938	4,730	345	120	156	298	50
5	278	181	371	220	150	2,800	3,080	267	89	91	417	33
6	216	141	628	200	150	1,180	1,380	249	74	69	170	23
7	101	118	431	180	140	975	818	405	63	48	91	19
8	64	112	312	170	140	686	764	375	55	37	60	16
9	47	114	518	160	140	408	535	585	48	31	45	15
10	37	90	1,570	150	130	333	430	1,310	70	65	37	14
11	30	82	834	140	130	254	502	594	399	53	31	13
12	26	78	507	130	120	180	692	672	171	36	26	14
13	23	80	380	130	120	150	777	1,870	108	28	24	56
14	36	90	280	120	110	140	790	868	77	24	22	39
15	44	216	210	120	100	134	960	502	63	21	20	26
16	34	616	160	110	94	154	588	380	64	20	21	20
17	29	312	159	110	89	156	475	834	100	18	20	17
18	35	226	134	110	96	114	376	563	89	17	32	21
19	61	222	175	100	81	110	313	363	76	16	26	21
20	56	172	222	107	92	110	261	285	92	23	20	21
21	47	146	2,040	154	90	120	237	242	74	21	17	46
22	40	167	660	797	552	120	237	222	63	17	15	82
23	34	156	540	990	960	120	777	235	54	15	14	66
24	29	136	497	1,150	399	120	462	224	45	19	13	46
25	27	189	471	747	333	110	344	184	40	19	12	34
26	24	170	3,730	565	251	110	274	161	50	19	11	40
27	23	172	3,780	1,750	212	110	232	147	48	24	17	50
28	22	574	1,980	1,490	183	100	204	139	38	26	20	35
29	21	795	1,090	1,210	-----	99	329	129	38	46	17	50
30	25	523	923	770	-----	129	443	126	46	202	17	136
31	42	-----	616	658	-----	164	-----	112	-----	158	16	-----
TOTAL	1,559	7,474	24,569	13,854	5,919	10,787	22,721	13,570	2,648	1,613	1,669	1,055
MEAN	50.3	249	793	447	211	348	757	438	88.3	52.0	53.8	35.2
MAX	278	795	3,780	1,750	960	2,800	4,730	1,870	399	204	417	136
MIN	11	78	134	100	81	99	186	112	38	15	11	13
CFSM	.39	1.95	6.20	3.49	1.65	2.72	5.91	3.42	.69	.41	.42	.28
IN.	.45	2.17	7.14	4.03	1.72	3.13	6.60	3.94	.77	.47	.49	.31

CAL YR 1973 TOTAL 108,811.9 MEAN 298 MAX 3,780 MIN 4.6 CFSM 2.33 IN 31.62
WTR YR 1974 TOTAL 107,438.0 MEAN 294 MAX 4,730 MIN 11 CFSM 2.30 IN 31.22

PEAK DISCHARGE (BASE, 3,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-21	0200	7.45	4,350	3-05	1000	7.36	4,260
12-26	1200	8.18	5,080	4-04	2000	8.99	5,930

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.--Revised figures of discharge in cubic feet per second for the water year 1973, superseding those published in WRD N.Y. 1973, are given herewith:

Date	Discharge	Date	Discharge	Date	Discharge
Sept. 8	46	Sept. 16	45	Sept. 24	45
9	44	17	44	25	45
10	44	18	46	26	43
11	43	19	50	27	43
12	43	20	48	28	42
13	43	21	45	29	41
14	44	22	44	30	40
15	46	23	46		

Month	cfs-days	Maximum	Maximum	Mean
September 1973	1,324	50	40	44.1

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	43	1.3			-	.55	.46	.86	22	12	57
2	40	50	1.3			-	.67	.43	.80	25	9.4	56
3	42	48	1.1			-	1.6	.38	.81	29	37	61
4	44	43	1.1			-	32	.41	.86	31	57	67
5	46	40	1.3			-	.99	.47	.81	29	56	63
6	47	38	3.4			-	.31	.49	.81	25	45	60
7	44	37	1.2			-	.39	.51	.81	21	41	58
8	42	37	1.0			-	.45	.31	.86	19	38	58
9	41	36	1.6			-	.44	2.0	.86	17	36	57
10	38	37	3.2			-	.44	5.9	.92	21	36	57
11	37	36	-			-	.39	1.2	2.3	22	41	56
12	36	36	-			-	.37	2.1	1.3	11	46	57
13	36	36	-			-	.37	5.7	1.2	10	47	63
14	35	36	-			-	.32	1.2	1.1	9.1	48	67
15	33	40	-			-	.43	.66	1.1	8.1	48	61
16	32	53	-			-	.43	.70	1.5	7.3	49	59
17	32	36	-			-	.37	1.1	3.3	7.0	54	58
18	32	12	-			-	.37	.76	15	7.0	56	59
19	33	1.9	-			-	.29	.66	14	7.6	60	60
20	35	1.7	-			-	.29	.72	12	8.4	58	59
21	35	1.7	-			-	.34	.72	11	9.3	64	62
22	34	1.8	-			.35	.40	.86	15	8.4	65	68
23	33	1.7	-			.40	.34	.97	14	8.0	63	65
24	34	1.5	-			.40	.27	.92	10	8.0	62	63
25	33	1.5	-			.40	.27	.86	9.7	7.8	59	61
26	34	1.5	-			.45	.34	.86	22	8.4	56	62
27	34	1.4	-			.51	.36	.86	28	11	58	61
28	34	1.7	-			.49	.38	.80	28	24	58	61
29	34	1.5	-		-----	.49	.43	.75	25	16	59	62
30	36	1.4	-		-----	.49	.46	.70	23	18	71	66
31	36	-----	-		-----	.49	-----	.75	-----	15	59	-----
TOTAL	1,142	713.3	-	-	-	-	45.06	35.21	246.90	470.4	1,548.4	1,824
MEAN	36.8	23.8	-	-	-	-	1.50	1.14	8.23	15.2	49.9	60.8
MAX	47	53	-	-	-	-	32	5.9	28	31	71	68
MIN	32	1.4	-	-	-	-	.27	.31	.80	7.0	9.4	56

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.--63 years, 684 ft³/s (19.37 m³/s).

EXTREMES.--Current year: Maximum discharge, 5,700 ft³/s (161 m³/s) Apr. 15 (gage height, 9.12 ft (2.780 m)); minimum, 156 ft³/s (4.42 m³/s) Aug. 27 (gage height, 3.95 ft (1.204 m)); minimum daily, 166 ft³/s (4.70 m³/s) Aug. 27.

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 (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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	273	464	1,120	1,220	1,020	945	620	1,040	706	501	931	343
2	315	1,040	825	987	903	1,000	666	1,190	730	438	620	309
3	433	1,090	706	883	724	903	844	983	656	1,090	474	397
4	433	864	656	818	645	952	1,750	983	662	1,340	1,040	684
5	473	671	844	712	580	2,000	3,530	963	573	1,090	2,030	537
6	564	568	3,260	630	500	3,440	3,690	944	519	976	1,700	384
7	492	505	3,130	676	560	3,340	2,530	1,420	465	718	976	301
8	401	460	1,800	590	540	2,820	1,960	1,370	420	577	700	257
9	350	410	1,590	532	520	2,150	1,500	1,670	406	492	582	241
10	315	362	2,930	500	500	1,590	1,150	3,590	442	537	532	218
11	301	342	2,220	580	480	1,100	1,000	3,200	1,190	528	456	204
12	291	334	1,410	540	450	880	1,180	2,350	957	429	348	204
13	284	326	1,020	500	420	600	1,540	4,280	695	384	301	424
14	312	322	987	500	400	700	2,540	3,940	595	330	269	689
15	315	401	838	520	340	844	4,630	2,380	651	297	241	519
16	291	1,280	630	540	340	851	4,340	1,580	673	277	215	393
17	291	1,660	500	540	340	973	2,780	1,530	766	257	277	325
18	298	1,120	420	450	340	903	2,310	1,570	712	245	600	393
19	346	870	470	430	380	851	2,110	1,240	586	273	510	420
20	379	700	600	450	420	793	1,810	1,030	519	352	325	352
21	362	600	1,700	490	400	661	1,510	911	528	325	245	465
22	334	610	2,500	780	920	595	1,510	808	667	285	200	718
23	319	635	2,710	980	2,200	586	2,290	802	559	257	176	640
24	308	605	1,940	1,200	2,610	540	2,400	1,030	460	277	176	519
25	294	793	1,520	1,050	2,220	500	1,700	1,020	492	281	172	447
26	277	897	2,160	1,100	1,690	540	1,290	866	766	281	166	469
27	266	818	4,340	1,200	1,240	520	1,060	790	742	379	179	483
28	263	1,530	4,990	2,150	966	500	905	736	635	814	211	424
29	260	2,070	3,100	1,830	-----	500	859	695	523	814	301	402
30	301	1,610	2,100	1,360	-----	520	911	684	523	1,120	469	546
31	350	-----	1,510	1,150	-----	560	-----	645	-----	1,350	451	-----
TOTAL	10,491	23,957	54,526	25,888	22,648	33,657	56,915	46,240	18,818	17,314	15,873	12,707
MEAN	338	799	1,759	835	809	1,086	1,897	1,492	627	559	512	424
MAX	564	2,070	4,990	2,150	2,610	3,440	4,630	4,280	1,190	1,350	2,030	718
MIN	260	322	420	430	340	500	620	645	406	245	166	204

CAL YR 1973 TOTAL 359,164 MEAN 984 MAX 6,330 MIN 181
WTR YR 1974 TOTAL 339,034 MEAN 929 MAX 4,990 MIN 166

PEAK DISCHARGE (BASE, 3,900 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-06	2015	8.14	3,920	4-15	2215	9.12	5,700
12-28	0200	8.95	5,520	5-10	1645	8.39	3,980
4-05	1545	8.20	4,020	5-13	2000	8.84	5,000

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.--32 years, 185 ft³/s (5.239 m³/s) (27.38 in/yr or 695.5 mm/yr).

EXTREMES.--Current year: Maximum discharge, 2,110 ft³/s (59.8 m³/s) Apr. 5 (gage height, 7.23 ft (2.204 m); minimum, 35 ft³/s (0.99 m³/s) Aug. 26, 27, 29 (gage height, 3.05 ft or 0.930 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 Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	75	280	280	260	140	157	468	147	121	95	44
2	53	210	201	231	220	110	152	605	149	161	75	41
3	74	368	183	213	190	110	216	391	127	176	67	51
4	90	346	170	195	170	150	740	364	117	245	91	75
5	94	240	204	170	150	500	1,950	345	106	183	283	75
6	159	175	774	164	160	1,100	1,320	296	95	135	258	60
7	162	140	827	167	160	988	610	430	87	108	149	51
8	119	122	410	140	150	751	439	410	81	86	106	44
9	95	109	335	140	150	591	317	395	77	74	84	42
10	80	95	894	160	140	383	258	650	77	89	71	38
11	69	87	762	170	130	270	233	615	161	110	61	37
12	64	88	430	150	120	225	287	447	197	87	53	38
13	60	83	287	140	120	170	383	1,070	147	71	49	52
14	60	87	270	150	110	162	690	1,020	117	61	47	64
15	58	130	213	150	98	137	1,230	548	101	57	44	60
16	57	364	167	150	98	130	958	368	99	54	41	53
17	60	464	130	140	100	142	530	464	133	52	48	48
18	65	307	140	120	110	135	451	590	137	49	89	51
19	75	228	150	130	120	137	430	430	113	56	97	49
20	88	178	200	140	120	128	364	307	99	58	74	53
21	88	147	450	180	120	122	314	248	87	64	60	65
22	85	154	660	230	130	128	314	216	83	54	53	110
23	75	172	560	310	350	128	871	225	84	51	47	125
24	68	162	500	370	600	122	707	245	81	52	44	106
25	65	175	450	300	600	110	418	264	80	52	39	89
26	62	210	480	260	450	100	307	230	91	53	36	84
27	60	192	910	250	280	98	248	207	97	64	38	81
28	58	231	1,100	400	200	96	219	186	89	67	38	77
29	57	342	681	440	-----	96	227	168	78	68	38	74
30	61	357	455	349	-----	101	321	158	75	111	42	72
31	66	-----	338	283	-----	140	-----	147	-----	123	43	-----
TOTAL	2,379	6,038	13,611	6,672	5,606	7,700	15,661	12,507	3,212	2,792	2,360	1,909
MEAN	76.7	201	439	215	200	248	522	403	107	90.1	76.1	63.6
MAX	162	464	1,100	440	600	1,100	1,950	1,070	197	245	283	125
MIN	52	75	130	120	98	96	152	147	75	49	36	37
CFSM	.84	2.19	4.79	2.34	2.18	2.70	5.69	4.39	1.17	.98	.83	.69
IN.	.97	2.45	5.52	2.71	2.27	3.12	6.35	5.07	1.30	1.13	.96	.77

CAL YR 1973 TOTAL 84,265 MEAN 231 MAX 1,530 MIN 35 CFSM 2.52 IN 34.18
WTR YR 1974 TOTAL 80,447 MEAN 220 MAX 1,950 MIN 36 CFSM 2.40 IN 32.63

PEAK DISCHARGE (BASE, 1,200 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-28	0230	6.04	1,220	4-15	1900	6.42	1,480
4-05	1030	7.23	2,110	5-13	2030	6.24	1,360

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, 1,679.36 ft (511.869 m) May 23 (contents, 4,730 mil ft³ (134 hm³)); minimum observed 1,667.98 ft (508.400 m) Mar. 4 (contents, 2,037 mil ft³ (57.7 hm³)).

Period of record: Maximum observed elevation, 1,680.08 ft (512.088 m) May 20, 1969 (contents, 4,939 mil ft³ (140 hm³)); minimum observed since first filling, 1,644.80 ft (501.335 m) Mar. 25-27, 1949 (contents, 8 mil ft³ (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)

1,660.0	821
1,665.0	1,518
1,670.0	2,431
1,675.0	3,556
1,680.0	4,916

ELEVATION, IN FEET, AT 0800, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	70.87	69.47	70.45	75.53	74.03	68.72	69.51	77.28	78.69	75.56	73.82	72.84
2	70.79	69.57	70.53	75.53	73.97	68.48	69.67	77.54	78.76	75.50	73.67	72.69
3	70.78	69.70	70.55	75.52	73.90	68.22	69.82	77.70	78.65	75.55	73.70	72.64
4	70.73	69.84	70.45	75.52	73.79	67.98	70.08	77.73	78.45	75.68	73.78	72.60
5	70.70	69.88	70.37	75.51	73.64	68.06	71.01	77.75	78.23	75.83	74.00	72.54
6	70.82	69.83	70.68	75.48	73.46	68.80	71.86	77.78	78.20	75.88	74.15	72.55
7	70.85	69.81	71.07	75.46	73.32	69.49	72.31	77.87	78.11	75.92	74.24	72.55
8	70.85	69.76	71.49	75.42	73.13	70.07	72.71	77.91	77.97	75.96	74.29	72.55
9	70.81	69.70	71.60	75.35	72.94	70.55	72.98	77.98	77.86	75.87	74.34	72.55
10	70.79	69.65	71.95	75.27	72.73	70.92	73.21	78.09	77.75	75.88	74.36	72.34
11	70.76	69.56	72.32	75.20	72.54	71.20	73.40	78.17	77.64	75.83	74.37	72.70
12	70.72	69.47	72.58	75.10	72.28	71.42	73.58	78.22	77.53	75.75	74.38	72.14
13	70.67	69.37	72.63	74.96	72.02	71.61	73.58	78.44	77.32	75.68	74.25	72.13
14	70.63	69.30	72.70	74.84	71.74	71.65	73.74	78.67	77.19	75.64	74.13	72.01
15	70.60	69.22	72.65	74.69	71.47	71.68	74.26	78.69	77.19	75.57	74.03	71.88
16	70.57	69.32	72.55	74.59	71.18	71.71	74.75	78.65	77.05	75.51	73.95	71.85
17	70.54	69.49	72.47	74.52	70.89	71.78	74.97	78.80	76.94	75.42	73.80	71.75
18	70.44	69.63	72.40	74.40	70.61	71.83	75.14	78.92	76.84	75.33	73.95	71.66
19	70.42	69.69	72.28	74.29	70.31	71.87	75.32	78.98	76.71	75.12	74.02	71.56
20	70.29	69.72	72.22	74.15	70.05	71.81	75.50	78.98	76.53	75.08	74.18	71.43
21	70.20	69.71	72.43	74.05	69.76	71.69	75.67	79.12	76.37	74.94	74.15	71.39
22	70.16	69.73	72.94	74.04	69.48	71.65	75.83	79.24	76.25	74.81	74.08	71.38
23	70.11	69.76	73.26	74.04	69.70	71.45	76.25	79.36	76.14	74.68	73.98	71.34
24	70.06	69.77	73.51	74.06	69.78	71.24	76.63	79.34	75.99	74.57	73.90	71.25
25	70.01	69.78	73.50	74.03	69.62	71.02	76.83	79.16	75.86	74.50	73.82	71.16
26	69.93	69.90	73.60	73.99	69.44	70.81	76.96	79.03	75.82	74.38	73.69	71.07
27	69.87	69.93	74.02	73.95	69.22	70.59	76.96	78.90	75.79	74.32	73.48	70.97
28	69.82	70.02	74.62	74.04	68.98	70.37	76.95	78.77	75.72	74.23	73.40	70.87
29	69.77	70.13	75.03	74.16	-----	70.12	76.99	78.77	75.65	74.13	73.25	70.77
30	69.68	70.34	75.34	74.16	-----	69.88	77.10	78.69	75.59	74.05	73.13	70.68
31	69.55	-----	75.49	74.12	-----	69.73	-----	78.63	-----	73.94	72.97	-----
MEAN	70.41	69.70	72.51	74.71	71.57	70.53	74.12	78.49	77.09	75.20	73.91	71.86
MAX	70.87	70.34	75.49	75.53	74.03	71.87	77.10	79.36	78.76	75.96	74.38	72.84
MIN	69.55	69.22	70.37	73.95	68.98	67.98	69.51	77.28	75.59	73.94	72.97	70.68
(+)	2,330	2,515	3,686	3,327	2,195	2,346	4,129	4,532	3,698	3,280	3,052	2,558
(#)	-105	+71.4	+437	-134	-468	+56.4	+688	+150	-322	-156	-85.1	-191
CAL YR 1973	MEAN 73.30			MAX 79.01		MIN 59.80						
WTR YR 1974	MEAN 73.36			MAX 79.36		MIN 67.98						

(+) Contents, in millions of cubic feet, at 2400 on last day of month by interpolation.

(#) Change in content, equivalent in cubic feet per second.

* Add 1,600 to obtain elevations above mean sea level.

REVISIONS (WATER YEARS).--WSP 714: Drainage area. WRD N.Y. 1967: 1966. WRD N.Y. 1973: 1971.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	265	442	348	677	730	909	351	472	77	336	448	537
2	366	443	349	677	730	905	66	388	411	336	333	406
3	366	445	547	649	729	901	66	538	710	272	54	319
4	366	446	687	602	757	897	66	659	1,030	55	54	319
5	366	446	686	602	836	896	67	659	746	149	55	153
6	366	445	689	601	834	465	69	659	595	55	55	70
7	366	445	273	601	832	66	70	661	594	55	55	70
8	366	445	280	633	830	66	70	663	591	243	55	70
9	318	445	419	673	827	67	70	724	589	337	55	299
10	303	445	312	673	825	68	70	796	721	337	55	533
11	303	444	75	672	882	68	71	798	797	337	55	461
12	303	443	329	693	973	68	432	800	581	337	361	316
13	302	441	468	706	969	265	612	856	580	294	513	415
14	302	532	677	705	964	373	614	1,010	628	236	451	464
15	302	580	714	703	958	374	617	1,060	638	401	328	381
16	302	506	713	678	953	374	622	777	638	336	510	172
17	409	342	711	664	948	375	625	633	637	335	54	439
18	398	343	711	663	943	375	627	636	635	556	54	439
19	467	344	643	662	937	533	563	639	698	667	55	438
20	427	344	605	660	933	628	418	306	729	502	45	437
21	318	344	340	658	928	627	419	87	665	501	390	436
22	318	344	75	658	636	695	420	91	630	500	390	436
23	318	345	76	658	478	899	422	458	628	499	389	436
24	318	345	425	658	759	896	425	836	627	409	388	435
25	318	345	617	658	924	893	427	981	397	375	388	434
26	316	345	499	658	922	890	568	974	337	452	387	434
27	316	345	194	658	918	886	645	968	336	451	672	433
28	317	346	77	658	914	887	646	702	336	451	542	432
29	354	346	78	659	-----	877	647	613	336	450	541	431
30	444	347	325	682	-----	874	647	611	336	450	540	431
31	403	-----	569	731	-----	871	-----	453	-----	449	538	-----
TOTAL	10,703	12,218	13,511	20,530	23,869	17,968	11,432	20,508	17,253	11,163	8,810	11,076
MEAN	345	407	436	662	852	580	381	662	575	360	284	369
MAX	467	580	714	731	973	909	647	1,060	1,030	667	672	537
MIN	265	342	75	601	478	66	66	87	77	55	45	70
CAL YR 1973	TOTAL 188,721		MEAN 517	MAX 1,540	MIN 50							
WTR YR 1974	TOTAL 179,041		MEAN 491	MAX 1,060	MIN 45							

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.--44 years, 573 ft³/s (16.23 m³/s).

EXTREMES.--Current year: Maximum discharge, 2,230 ft³/s (63.2 m³/s) Mar. 6 (gage height, 4.84 ft (1.475 m)); minimum, 42 ft³/s (1.19 m³/s) July 7 (gage height, 1.04 ft (0.317 m)); minimum daily, 83 ft³/s (2.35 m³/s) Aug. 18.

Period of record: Maximum discharge, 5,100 ft³/s (144 m³/s) May 21, 1969 (gage height, 6.98 ft (2.128 m)); minimum, 11 ft³/s (0.31 m³/s) Jan. 22, 29, Feb. 4, 1967 (gage height, 0.63 ft (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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	238	371	866	950	1,070	1,020	814	971	809	546	580	403
2	435	425	753	851	997	1,010	879	887	456	390	590	542
3	653	385	573	683	988	933	1,090	918	760	426	577	321
4	398	349	575	838	958	1,010	1,530	917	831	352	230	455
5	355	493	794	851	880	1,310	1,360	899	785	259	569	418
6	464	449	845	642	940	1,950	1,750	921	780	104	689	348
7	400	505	823	784	918	1,810	1,200	1,080	541	112	681	532
8	326	429	823	942	960	1,170	1,100	976	510	275	590	641
9	297	518	866	928	980	909	970	952	245	610	413	390
10	290	380	1,040	865	886	652	956	1,140	453	685	366	245
11	393	578	1,200	673	838	637	825	1,520	947	767	108	244
12	512	550	1,050	695	914	755	858	1,540	736	629	264	251
13	602	684	976	797	1,030	822	920	1,620	810	397	496	258
14	426	710	1,030	708	1,010	803	948	1,790	793	281	355	248
15	432	707	980	702	1,020	703	1,090	1,720	783	564	342	244
16	441	857	701	726	950	675	970	1,550	789	298	345	243
17	385	750	600	654	845	380	913	1,160	841	250	310	315
18	368	644	805	797	928	590	1,060	956	727	381	83	462
19	444	829	851	738	995	782	1,030	906	710	378	210	693
20	294	723	702	597	1,030	671	927	787	706	337	242	705
21	292	422	893	752	1,130	764	892	816	724	269	241	470
22	373	429	943	625	1,250	661	899	838	699	334	241	457
23	354	529	865	858	1,190	759	963	910	379	527	239	601
24	420	436	671	900	1,050	730	1,070	996	784	644	242	441
25	326	541	900	971	1,020	793	1,190	933	671	462	257	426
26	406	876	988	976	1,050	840	1,050	927	525	324	283	271
27	370	842	1,080	1,060	1,020	779	992	896	318	300	436	341
28	327	751	1,080	964	964	758	882	887	422	370	584	270
29	435	786	1,040	1,220	-----	760	896	834	383	518	582	319
30	388	804	1,010	1,170	-----	781	892	813	193	509	583	474
31	323	-----	935	1,150	-----	797	-----	819	-----	486	582	-----
TOTAL	12,167	17,752	27,258	26,067	27,811	27,014	30,916	32,879	19,110	12,784	12,310	12,028
MEAN	392	592	879	841	993	871	1,031	1,061	637	412	397	401
MAX	653	876	1,200	1,220	1,250	1,950	1,750	1,790	947	767	689	705
MIN	238	349	573	597	838	380	814	787	193	104	83	243
CAL YR 1973	TOTAL 278,755		MEAN 764		MAX 1,970		MIN 35					
WTR YR 1974	TOTAL 258,096		MEAN 707		MAX 1,950		MIN 83					

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.--54 years, 3,891 ft³/s (110.2 m³/s).

EXTREMES.--Current year: Maximum discharge, 19,400 ft³/s (549 m³/s) Mar. 8, Apr. 7; maximum gage height, 8.13 ft (2.478 m) Mar. 8; minimum, 116 ft³/s (3.28 m³/s) July 21 (gage height, 0.27 ft or 0.823 m); minimum daily, 1,080 ft³/s (30.6 m³/s) Aug. 25.

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 Part 2 of this report.

REVISIONS.--WSP 759: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,410	2,020	6,870	11,900	8,890	6,130	4,090	6,230	3,600	2,080	4,350	1,870
2	1,520	3,890	6,470	9,840	8,290	5,720	4,620	6,600	3,540	2,620	3,880	1,420
3	1,820	5,310	5,530	8,160	6,840	5,100	7,520	6,600	3,500	2,420	2,960	1,780
4	2,200	5,490	4,600	6,930	5,790	5,720	16,700	6,400	3,500	3,940	2,560	1,890
5	2,320	5,170	4,600	6,200	4,780	9,910	15,700	6,180	3,280	4,260	3,960	2,710
6	2,470	4,470	5,400	5,580	4,490	11,300	18,900	5,860	3,020	4,420	5,570	2,610
7	2,710	3,760	6,730	4,780	3,740	16,700	20,400	6,150	2,800	4,130	5,760	2,190
8	2,750	3,300	7,930	4,470	3,580	18,700	15,600	6,650	2,270	3,280	5,240	2,130
9	2,680	3,010	8,790	4,490	3,520	15,400	12,600	7,040	2,140	2,660	4,070	2,220
10	2,180	2,850	10,800	4,450	3,340	12,800	11,200	8,670	2,080	2,930	2,890	1,360
11	1,730	2,560	11,000	4,510	3,120	10,400	9,030	10,200	3,040	2,690	2,450	1,220
12	1,850	2,480	11,000	4,620	3,070	8,750	8,250	12,200	4,530	3,000	1,630	1,130
13	1,850	2,530	10,200	4,340	3,070	7,020	8,890	13,300	4,400	2,530	1,920	1,100
14	1,930	2,580	8,650	3,740	3,100	5,680	8,440	14,400	3,720	1,900	1,710	1,160
15	1,990	2,530	6,990	3,170	3,250	5,220	11,700	15,300	3,160	1,860	1,450	1,730
16	1,880	4,360	5,510	3,420	2,990	4,570	13,700	13,700	3,100	1,860	1,320	1,710
17	1,950	5,770	3,890	3,740	2,710	4,440	17,200	12,000	3,800	1,370	1,330	1,510
18	1,860	6,150	2,780	3,760	2,700	4,220	13,900	10,400	4,310	1,330	1,280	1,360
19	1,860	6,100	3,580	3,480	2,870	4,370	12,000	9,140	3,760	1,440	1,710	1,680
20	2,070	5,560	3,820	3,320	2,760	4,240	10,400	8,390	3,260	1,380	2,130	1,920
21	1,990	4,490	4,820	2,890	3,300	4,900	9,470	7,520	2,960	1,260	1,810	1,700
22	2,050	3,560	5,890	3,120	3,500	3,660	8,530	6,620	2,690	1,760	1,440	2,050
23	2,050	3,480	6,580	4,450	6,130	3,780	9,380	5,760	2,500	1,660	1,250	3,060
24	1,910	3,500	8,290	5,600	6,250	3,660	8,640	5,270	2,480	1,630	1,180	3,240
25	1,780	3,440	8,990	6,050	6,670	4,150	9,800	5,100	2,580	1,650	1,080	2,540
26	1,520	4,360	10,600	6,250	6,990	3,460	9,440	5,080	2,530	1,440	1,170	2,240
27	1,600	4,640	13,500	7,050	7,140	3,720	8,610	4,880	2,540	1,520	1,360	2,180
28	1,600	4,800	15,300	9,380	6,730	3,200	7,580	4,570	2,800	1,920	1,210	2,080
29	1,600	5,790	17,600	9,380	-----	3,480	6,400	4,130	2,530	2,580	1,300	1,890
30	1,700	6,580	17,600	9,700	-----	3,440	6,180	3,880	2,160	3,560	1,570	2,080
31	1,820	-----	14,700	9,770	-----	4,000	-----	3,780	-----	4,000	1,840	-----
TOTAL	60,650	124,530	259,010	178,540	129,610	207,840	324,870	242,000	92,580	75,080	73,380	57,760
MEAN	1,956	4,151	8,355	5,759	4,629	6,705	10,830	7,806	3,086	2,422	2,367	1,925
MAX	2,750	6,580	17,600	11,900	8,890	18,700	20,400	15,300	4,530	4,420	5,760	3,240
MIN	1,410	2,020	2,780	2,890	2,700	3,200	4,090	3,780	2,080	1,260	1,080	1,100

CAL YR 1973 TOTAL 1,865,359 MEAN 5,111 MAX 18,600 MIN 859
WTR YR 1974 TOTAL 1,825,850 MEAN 5,002 MAX 20,400 MIN 1,080

PEAK DISCHARGE (BASE, 17,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-29	2200	8.03	19,000	4-07	0400	8.12	19,400
3-08	0430	8.13	19,400				

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, 296.6 mil ft³ (8.3997 hm³) July 3, 4 (elevation, 1,786.00 ft or 544.373 m); minimum observed, 105.3 mil ft³ (2.982 hm³) Nov. 27, 28, Dec. 3 (elevation, 1,779.80 ft or 542.483 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, 935.2 mil ft³ (26.48 m³) July 3 (gage height, 7.18 ft or 2.188 m); minimum observed, 267.6 mil ft³ (7.578 hm³) Nov. 27 (gage height, 1.98 ft or 0.604 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 1973 TO SEPTEMBER 1974

	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.....	1,783.62	221.4		5.55	717.5	
Oct. 31.....	1,780.53	127.1	-35.2	3.11	405.3	-117
Nov. 30.....	1,779.90	108.3	- 7.25	3.42	444.4	+ 15.1
Dec. 31.....	1,782.08	173.9	+24.5	5.16	666.8	+ 83.0
CAL YR 1973			- 2.03			- 2.51
Jan. 31.....	1,782.53	187.3	+ 5.00	4.88	630.4	- 13.6
Feb. 28.....	1,781.93	169.3	- 7.44	3.84	496.8	- 55.2
Mar. 31.....	1,780.30	120.2	-18.3	3.63	470.6	- 9.78
Apr. 30.....	1,784.00	233.3	+43.6	4.97	642.1	+ 66.2
May 31.....	1,785.63	284.8	+19.2	6.94	902.2	+ 97.1
June 30.....	1,785.77	289.2	+ 1.70	7.07	919.8	+ 6.79
July 31.....	1,785.58	283.2	- 2.24	7.00	910.0	- 3.66
Aug. 31.....	1,785.60	283.8	+ 0.22	6.96	904.8	- 1.94
Sept. 30.....	1,785.33	275.2	- 3.32	6.64	861.6	- 16.7
WTR YR 1974			+ 1.71			+ 4.19

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.--51 years, 286 ft³/s (8.100 m³/s) (unadjusted).

EXTREMES.--Current year: Maximum daily discharge, 838 ft³/s (23.7 m³/s) May 7; minimum daily, 188 ft³/s (5.32 m³/s) Sept. 28-30.
Period of record: Maximum discharge, 1,940 ft³/s (54.9 m³/s) May 13, 1943 (gage height, 7.70 ft (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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	205	216	282	741	590	299	309	213	211	207	205	196
2	223	216	345	736	589	299	289	210	209	207	205	196
3	223	216	362	728	586	299	246	283	205	207	201	195
4	223	218	345	722	585	299	248	452	205	207	203	194
5	223	218	345	714	580	380	234	503	205	209	203	194
6	223	218	348	704	576	557	258	751	205	209	203	194
7	223	218	348	696	572	574	400	838	205	209	203	194
8	223	218	352	688	567	585	404	835	205	207	203	193
9	223	216	352	679	559	591	404	834	205	207	203	192
10	223	216	407	667	555	595	406	830	205	207	203	192
11	220	216	527	658	550	594	405	791	207	208	203	192
12	220	216	527	651	545	591	405	714	207	209	203	192
13	220	216	527	643	539	589	407	714	207	208	201	192
14	220	216	527	635	459	586	485	716	207	209	201	192
15	220	216	527	627	302	541	616	718	207	208	201	192
16	220	218	527	624	301	457	708	719	207	205	201	192
17	218	220	527	620	299	457	739	717	207	202	201	191
18	218	220	523	616	299	457	742	712	207	205	201	190
19	218	220	523	609	298	414	742	710	207	205	201	190
20	218	234	518	605	297	314	740	676	207	205	201	190
21	218	264	518	598	296	314	736	476	207	205	201	190
22	218	264	518	593	296	314	560	208	207	205	201	190
23	218	261	518	590	299	314	207	209	207	205	201	190
24	218	261	523	590	299	314	208	209	207	205	201	190
25	218	261	518	589	299	314	209	209	207	205	199	190
26	218	261	570	586	299	313	210	209	207	204	198	190
27	216	261	681	588	299	313	211	209	207	204	199	189
28	216	264	687	590	299	312	211	209	207	203	198	188
29	216	264	705	592	-----	311	213	209	207	204	198	188
30	214	264	744	591	-----	311	214	209	207	205	196	188
31	214	-----	743	591	-----	311	-----	210	-----	205	196	-----
TOTAL	6,788	6,987	15,464	19,861	12,034	12,919	12,166	15,502	6,200	6,390	6,234	5,746
MEAN	219	233	499	641	430	417	406	500	207	206	201	192
MAX	223	264	744	741	590	595	742	838	211	209	205	196
MIN	205	216	282	586	296	299	207	208	205	202	196	188
CAL YR 1973	TOTAL	129,833	MEAN	356	MAX	994	MIN	110				
WTR YR 1974	TOTAL	126,291	MEAN	346	MAX	838	MIN	188				

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.--58 years, 502 ft³/s (14.22 m³/s) (26.43 in/yr (671.3 mm/yr)).

EXTREMES.--Current year: Maximum discharge, 5,340 ft³/s (151. m³/s) Apr. 5 (gage height, 8.23 ft (2.509 m)); minimum, 76 ft³/s (2.15 m³/s) Sept. 12 (gage height, 1.44 ft (0.439 m)); minimum daily, 79 ft³/s (2.24 m³/s) Sept. 12.

Period of record: Maximum discharge, 6,920 ft³/s (196 m³/s) Jan. 9, 1930 (gage height, 9.6 ft (2.93 m)); minimum, 25 ft³/s (0.71 m³/s) Sept. 1, 1934 (gage height, 0.86 ft (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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	138	177	1,110	1,220	1,100	491	443	1,090	399	203	229	87
2	133	244	965	965	1,100	447	473	1,380	423	200	179	81
3	147	520	788	799	1,000	415	650	1,400	395	217	156	82
4	163	705	678	700	900	620	1,590	1,190	387	383	186	103
5	217	689	678	615	700	1,520	4,660	1,010	332	431	439	129
6	399	565	826	555	500	3,370	4,440	912	286	395	590	121
7	482	460	1,110	510	371	3,060	3,040	918	253	332	478	112
8	427	395	1,180	455	328	2,450	2,010	958	223	265	335	104
9	351	335	1,030	415	307	1,900	1,390	951	203	220	253	88
10	314	293	1,230	399	290	1,400	1,020	1,020	188	247	193	86
11	259	253	1,690	395	279	1,010	865	1,140	314	290	159	80
12	203	229	1,510	379	272	760	854	1,130	520	241	140	79
13	173	217	1,210	359	276	660	972	1,240	487	195	124	95
14	181	220	924	343	269	560	1,190	1,760	395	165	113	121
15	193	256	738	339	250	469	1,610	1,760	328	147	103	140
16	191	535	625	325	232	435	2,210	1,380	279	138	93	147
17	186	810	515	314	223	423	2,050	1,120	297	131	102	131
18	181	848	451	307	220	375	1,580	1,010	347	121	167	118
19	193	722	460	307	214	431	1,230	930	318	121	198	112
20	217	595	395	297	220	391	1,040	815	328	147	167	112
21	226	496	615	325	223	367	882	694	321	150	141	195
22	232	455	972	530	325	351	804	620	290	135	121	279
23	208	451	1,130	782	645	371	1,090	595	290	118	110	314
24	195	439	1,170	958	766	375	1,600	650	276	110	99	268
25	175	443	1,100	1,080	788	325	1,600	630	244	112	91	217
26	167	473	1,160	1,010	705	332	1,270	575	250	115	84	183
27	157	473	1,940	1,040	615	318	993	525	269	123	84	163
28	154	530	2,920	1,420	540	307	804	487	262	141	86	150
29	148	810	2,680	1,760	-----	279	744	447	223	150	84	140
30	147	1,050	2,140	1,600	-----	318	848	415	198	167	82	143
31	156	-----	1,620	1,300	-----	383	-----	383	-----	235	84	-----
TOTAL	6,713	14,688	35,560	21,803	13,658	24,913	43,952	29,135	9,325	6,145	5,470	4,180
MEAN	217	490	1,147	703	488	804	1,465	940	311	198	176	139
MAX	482	1,050	2,920	1,760	1,100	3,370	4,660	1,760	520	431	590	314
MIN	133	177	395	297	214	279	443	383	188	110	82	79
CFSM	.84	1.90	4.45	2.72	1.89	3.12	5.68	3.64	1.21	.77	.68	.54
IN.	.97	2.12	5.13	3.14	1.97	3.59	6.34	4.20	1.34	.89	.79	.60

CAL YR 1973 TOTAL 232,789 MEAN 638 MAX 3,050 MIN 63 CFSM 2.47 IN 33.56
WTR YR 1974 TOTAL 215,542 MEAN 591 MAX 4,660 MIN 79 CFSM 2.29 IN 31.08

PEAK DISCHARGE (BASE, 3,300)

DATE	TIME	G. H.	DISCHARGE
03-06	1900	6.88	3,770
04-05	1600	8.23	5,340

ST. LAWRENCE RIVER BASIN

263

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.--58 years, 1,683 ft³/s (47.66 m³/s).

EXTREMES.--Current year: Maximum discharge, 11,400 ft³/s (323 m³/s) Apr. 7 (gage height, 7.63 ft (2.326 m)); minimum, 298 ft³/s (8.44 m³/s) Aug. 31, Sept. 4 (gage height, 0.89 ft (0.271 m)).

Period of record: Maximum discharge, 19,600 ft³/s (555 m³/s) Apr. 6, 1960 (gage height, 10.36 ft (3.158 m)); minimum recorded, 130 ft³/s (3.68 m³/s) Aug. 17, 1949 (gage height, 0.47 ft (0.143 m)).

REMARKS.--Records good 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	582	774	3,150	7,240	6,670	1,840	1,880	3,130	1,320	769	874	396
2	538	821	3,090	5,970	5,810	1,750	2,240	3,350	1,310	710	856	351
3	582	929	2,710	4,740	4,410	1,670	3,800	3,560	1,180	696	778	402
4	813	1,150	2,340	3,980	3,430	2,210	6,650	3,620	1,070	786	795	327
5	905	1,490	2,060	3,430	2,930	4,240	9,330	3,380	1,230	892	761	435
6	1,340	1,620	2,090	3,040	2,290	6,240	10,500	2,980	1,110	1,150	1,250	719
7	1,630	1,600	2,320	2,740	1,690	7,180	11,200	2,930	964	1,070	1,500	653
8	1,230	1,320	2,790	2,500	1,500	8,270	10,800	3,070	919	1,000	1,470	558
9	1,120	1,090	2,890	2,200	1,400	8,130	9,110	3,220	829	892	1,170	449
10	1,240	989	3,450	2,100	1,300	7,130	6,940	4,080	812	856	964	402
11	1,120	918	4,310	1,900	1,200	5,630	5,200	4,560	760	829	919	389
12	940	833	4,550	1,700	1,200	4,190	4,230	4,450	1,210	838	786	389
13	821	716	4,220	1,600	1,200	3,700	4,010	4,770	1,350	865	621	383
14	741	884	3,690	1,500	1,200	2,850	4,110	5,040	1,350	727	645	449
15	628	897	3,310	1,400	1,100	2,140	4,710	5,090	1,210	605	573	536
16	575	1,080	2,330	1,400	1,100	1,870	5,340	4,950	1,030	543	543	686
17	757	1,500	1,960	1,300	1,000	1,810	5,720	4,520	964	581	506	558
18	781	2,050	1,660	1,300	980	1,740	5,680	4,060	792	543	449	442
19	854	2,110	1,500	1,300	960	1,710	5,200	3,590	1,010	491	491	551
20	837	1,880	1,600	1,300	940	1,690	4,450	3,160	1,170	484	669	528
21	854	1,620	1,750	1,390	961	1,610	3,770	2,870	1,110	573	761	506
22	741	1,570	2,290	1,880	1,340	1,430	3,240	2,600	1,060	735	795	551
23	692	1,330	2,820	3,040	3,690	1,480	3,270	2,370	1,210	786	661	678
24	813	1,350	2,960	4,080	3,320	1,460	3,880	2,050	1,070	795	589	769
25	871	1,330	3,150	4,540	2,580	1,480	4,350	2,050	928	543	597	1,030
26	744	1,400	3,370	4,360	2,340	1,410	4,160	1,910	937	477	605	744
27	590	1,340	4,910	4,710	2,110	1,370	3,570	1,810	928	463	491	669
28	538	1,640	5,840	6,420	1,870	1,300	2,920	1,700	874	605	363	727
29	498	2,360	7,170	7,140	-----	1,280	2,560	1,530	856	581	435	589
30	444	2,900	8,330	7,300	-----	1,230	2,710	1,440	727	653	370	484
31	645	-----	8,090	7,170	-----	1,330	-----	1,370	-----	865	351	-----
TOTAL	25,464	41,491	106,700	104,670	60,521	91,370	155,530	99,210	31,290	22,403	22,638	16,350
MEAN	821	1,383	3,442	3,376	2,161	2,947	5,184	3,200	1,043	723	730	545
MAX	1,630	2,900	8,330	7,300	6,670	8,270	11,200	5,090	1,350	1,150	1,500	1,030
MIN	444	716	1,500	1,300	940	1,230	1,880	1,370	727	463	351	327

CAL YR 1973 TOTAL 818,419 MEAN 2,242 MAX 8,330 MIN 170
WTR YR 1974 TOTAL 777,637 MEAN 2,131 MAX 11,200 MIN 327

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.--114 years (1860-1974) 240,700 ft³/s (6,817 m³/s).

EXTREMES.--Current year: Maximum daily discharge, 341,000 ft³/s (9,657 m³/s) July 23, Aug. 8; minimum daily 205,000 ft³/s (5,806 m³/s) Jan. 12, 13.
1917-74: 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 Part 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 1973 TO SEPTEMBER 1974

DAY	UCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	310,000	300,000	288,000	230,000	220,000	290,000	310,000	310,000	315,000	330,000	340,000	320,000
2	310,000	300,000	288,000	230,000	240,000	300,000	310,000	310,000	315,000	330,000	340,000	320,000
3	310,000	300,000	288,000	230,000	240,000	300,000	310,000	310,000	318,000	330,000	340,000	320,000
4	310,000	300,000	288,000	240,000	240,000	300,000	310,000	310,000	320,000	330,000	340,000	320,000
5	310,000	300,000	288,000	240,000	240,000	300,000	310,000	310,000	320,000	330,000	340,000	320,000
6	310,000	300,000	288,000	239,000	240,000	300,000	308,000	310,000	320,000	333,000	340,000	320,000
7	310,000	300,000	288,000	240,000	240,000	300,000	308,000	310,000	320,000	333,000	340,000	315,000
8	310,000	300,000	287,000	240,000	250,000	300,000	308,000	310,000	330,000	332,000	341,000	315,000
9	311,000	300,000	287,000	238,000	260,000	293,000	308,000	310,000	330,000	333,000	339,000	315,000
10	310,000	295,000	287,000	228,000	260,000	293,000	308,000	310,000	330,000	333,000	335,000	315,000
11	310,000	295,000	287,000	218,000	260,000	293,000	308,000	310,000	330,000	333,000	335,000	315,000
12	310,000	295,000	287,000	205,000	270,000	293,000	308,000	310,000	330,000	333,000	335,000	315,000
13	310,000	295,000	287,000	205,000	270,000	293,000	310,000	310,000	330,000	337,000	335,000	315,000
14	310,000	295,000	287,000	220,000	270,000	293,000	310,000	310,000	330,000	338,000	335,000	315,000
15	310,000	295,000	287,000	233,000	270,000	293,000	310,000	310,000	330,000	337,000	335,000	315,000
16	310,000	291,000	288,000	242,000	270,000	300,000	310,000	310,000	330,000	337,000	335,000	315,000
17	310,000	289,000	284,000	245,000	270,000	300,000	310,000	310,000	330,000	337,000	325,000	316,000
18	310,000	292,000	280,000	245,000	270,000	300,000	310,000	310,000	332,000	337,000	325,000	315,000
19	310,000	292,000	258,000	245,000	270,000	300,000	310,000	310,000	330,000	337,000	325,000	315,000
20	305,000	292,000	248,000	245,000	280,000	300,000	310,000	305,000	330,000	340,000	325,000	316,000
21	305,000	285,000	247,000	248,000	280,000	310,000	310,000	300,000	330,000	340,000	324,000	310,000
22	305,000	286,000	249,000	250,000	280,000	310,000	310,000	300,000	330,000	340,000	325,000	310,000
23	305,000	292,000	239,000	255,000	290,000	310,000	310,000	300,000	330,000	341,000	325,000	309,000
24	305,000	288,000	231,000	260,000	290,000	310,000	310,000	300,000	330,000	340,000	320,000	311,000
25	305,000	288,000	231,000	260,000	290,000	310,000	310,000	300,000	330,000	340,000	320,000	310,000
26	305,000	288,000	230,000	260,000	290,000	310,000	310,000	300,000	330,000	340,000	320,000	310,000
27	300,000	288,000	230,000	260,000	290,000	310,000	310,000	305,000	330,000	340,000	320,000	310,000
28	300,000	288,000	230,000	260,000	290,000	310,000	310,000	310,000	330,000	340,000	320,000	310,000
29	291,000	288,000	230,000	260,000	-----	310,000	310,000	310,000	330,000	339,000	320,000	310,000
30	280,000	288,000	230,000	252,000	-----	310,000	310,000	310,000	330,000	340,000	320,000	310,000
31	290,000	-----	230,000	220,000	-----	310,000	-----	315,000	-----	340,000	320,000	-----
TOTAL	9,487.0M	8,805.0M	8,247.0M	7,443.0M	7,430.0M	9,351.0M	9,286.0M	9,545.0M	9,820.0M	10,420M	10,239M	9,432.0M
MEAN	306,000	293,500	266,000	240,100	265,400	301,600	309,500	307,900	327,300	336,100	330,300	314,400
MAX	311,000	300,000	288,000	260,000	290,000	310,000	310,000	315,000	332,000	341,000	341,000	320,000
MIN	280,000	285,000	230,000	205,000	220,000	290,000	308,000	300,000	315,000	330,000	320,000	309,000
CAL YR 1973	TOTAL 112,494,000			MEAN 308,200		MAX 351,000		MIN 230,000				
WTR YR 1974	TOTAL 109,505,000			MEAN 300,000		MAX 341,000		MIN 205,000				

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.--50 years, 598 ft³/s (16.94 m³/s) (24.24 in/yr (615.7 mm/yr)).

EXTREMES.--Current year: Maximum discharge, 6,670 ft³/s (189 m³/s) Apr. 5 (gage height, 12.89 ft (3.929 m)); minimum, 42 ft³/s (1.19 m³/s) July 19 (gage height, 0.91 ft (0.277 m)); minimum daily, 182 ft³/s (5.15 m³/s) Aug. 30, Sept. 9.

Period of record: Maximum discharge, about 8,300 ft³/s (235 m³/s) Nov. 18, 1927 (gage height, 13.0 ft (3.96 m), from floodmark); minimum daily, 59 ft³/s (1.67 m³/s) Aug. 29 to Sept. 1, 1934.

REMARKS.--Records fair 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	262	316	1,470	1,500	1,400	640	470	1,910	531	258	715	215
2	256	447	1,070	1,100	1,300	520	640	1,950	589	244	540	209
3	337	849	807	940	1,200	640	1,230	1,630	522	293	390	212
4	381	1,010	741	780	1,100	1,000	3,540	1,460	460	665	473	289
5	641	805	791	680	1,000	2,700	6,320	1,360	418	715	1,080	363
6	1,180	601	1,130	600	800	3,800	5,390	1,230	379	570	1,160	303
7	1,100	486	1,350	540	520	3,200	3,440	1,380	352	402	930	241
8	764	422	1,190	500	450	2,700	2,450	1,430	318	311	697	202
9	538	390	1,090	480	420	2,300	1,640	1,380	289	254	683	182
10	423	359	1,600	450	410	1,750	1,360	1,500	289	275	402	187
11	363	318	1,400	420	390	1,260	1,310	1,350	616	340	314	244
12	324	332	980	400	380	1,000	1,320	1,220	588	293	265	275
13	297	321	760	390	370	795	1,530	1,570	473	234	241	303
14	331	340	600	380	360	697	2,060	1,710	367	196	218	398
15	414	447	540	370	350	638	2,860	1,480	311	199	202	333
16	401	884	500	360	340	558	3,210	1,210	286	228	187	275
17	353	1,080	460	360	330	549	2,510	1,090	336	216	184	251
18	321	869	440	370	320	490	1,860	1,130	371	196	860	247
19	318	675	410	390	320	470	1,540	1,010	336	238	995	268
20	320	552	640	470	320	460	1,310	845	447	800	670	272
21	309	446	1,000	620	340	450	1,120	715	508	890	486	431
22	296	470	1,200	940	660	440	1,040	652	435	656	367	665
23	280	500	1,300	1,100	800	430	1,490	683	439	406	286	674
24	266	540	1,200	1,200	860	410	2,100	820	382	303	234	522
25	259	580	1,400	1,200	860	400	1,860	765	321	333	212	390
26	248	620	2,400	1,200	800	390	1,470	701	352	375	196	329
27	244	669	2,800	1,400	740	380	1,150	638	431	435	190	311
28	239	852	3,000	1,700	680	370	950	589	363	670	193	289
29	239	1,530	2,700	1,900	-----	370	1,060	549	296	607	190	293
30	248	1,720	2,400	1,700	-----	390	1,670	517	268	674	182	289
31	284	-----	1,900	1,500	-----	410	-----	490	-----	760	190	-----
TOTAL	12,236	19,430	39,269	25,940	17,820	30,607	59,900	34,964	12,073	13,036	13,932	9,462
MEAN	395	648	1,267	837	636	987	1,997	1,128	402	421	449	315
MAX	1,180	1,720	3,000	1,900	1,400	3,800	6,320	1,950	616	890	1,160	674
MIN	239	316	410	360	320	370	470	490	268	196	182	182
CFSM	1.18	1.93	3.78	2.50	1.90	2.95	5.96	3.37	1.20	1.26	1.34	.94
IN.	1.36	2.16	4.36	2.88	1.98	3.40	6.65	3.88	1.34	1.45	1.55	1.05

CAL YR 1973 TOTAL 298,274 MEAN 817 MAX 3,900 MIN 140 CFSM 2.44 IN 33.12
WTR YR 1974 TOTAL 288,669 MEAN 791 MAX 6,320 MIN 182 CFSM 2.36 IN 32.06

PEAK DISCHARGE (BASE, 3,600 CFS)

DATE	TIME	G. H.	DISCHARGE
03-06	-	-	+ 4,300
04-05	1615	12.89	6,670

+ Ice Jam

ST. LAWRENCE RIVER BASIN

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.--66 years, 1,268 ft³/s (35.91 m³/s).

EXTREMES.--Current year: Maximum discharge, 4,200 ft³/s (119 m³/s) Apr. 30 (gage height, 9.32 ft (2.841 m)); minimum, 50 ft³/s (1.42 m³/s) Oct. 27 (gage height, 1.72 ft (0.524 m)); minimum daily, 200 ft³/s (5.66 m³/s) Oct. 27.

Period of record: Maximum discharge, 8,360 ft³/s (237 m³/s) May 8, 1972 (gage height, 12.25 ft (3.734 m)); minimum, 4.1 ft³/s (0.12 m³/s) Oct. 12, 1947 (gage height, 0.61 ft (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 above 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	952	452	1,590	3,120	1,930	1,250	1,360	3,660	2,020	573	963	434
2	703	485	1,630	3,060	1,900	1,230	1,320	3,740	1,910	571	917	416
3	482	571	1,670	2,970	1,900	1,200	1,290	3,770	1,780	661	870	415
4	469	590	1,680	2,870	1,800	1,400	1,390	3,740	1,610	822	839	478
5	633	684	1,640	2,760	1,800	1,780	1,590	3,750	1,470	895	932	592
6	722	724	1,760	2,650	1,800	2,380	1,870	3,710	1,160	949	1,070	672
7	863	864	1,910	2,540	1,700	2,750	2,180	3,710	980	954	1,160	656
8	1,000	1,000	2,030	2,420	1,700	3,020	2,370	3,560	940	946	1,160	581
9	1,110	972	2,090	2,210	1,600	3,160	2,480	3,540	956	935	1,060	470
10	1,090	861	2,250	2,060	1,600	3,300	2,500	3,450	969	937	920	332
11	978	853	2,360	1,960	1,400	3,300	2,490	3,350	1,010	913	805	292
12	711	785	2,330	1,880	1,300	3,300	2,490	3,320	1,010	901	622	309
13	694	685	2,320	1,810	1,060	3,300	2,510	3,320	1,020	886	560	394
14	670	523	2,270	1,670	1,020	3,400	2,620	3,370	893	864	542	496
15	559	550	2,190	1,570	994	3,400	2,970	3,400	799	822	538	519
16	453	730	2,110	1,470	953	3,300	3,200	3,380	839	715	536	466
17	445	1,000	2,030	1,460	953	3,200	3,400	3,410	902	587	564	326
18	465	1,080	1,880	1,450	950	2,790	3,560	3,360	994	542	697	300
19	511	1,210	1,610	1,310	919	2,440	3,660	3,290	1,010	650	865	348
20	570	1,350	1,490	1,200	899	2,460	3,720	3,210	991	853	991	402
21	536	1,380	1,720	1,240	877	2,540	3,710	3,120	961	958	1,020	443
22	534	1,380	1,980	1,290	991	2,330	3,710	2,980	930	1,030	950	522
23	720	1,350	2,130	1,340	1,110	2,050	3,870	2,890	884	1,000	750	624
24	684	1,310	2,240	1,410	1,110	1,920	3,920	2,800	793	930	592	783
25	540	1,310	2,220	1,450	1,180	1,790	4,050	2,670	450	761	517	855
26	496	1,270	2,390	1,490	1,250	1,700	3,990	2,560	525	618	488	826
27	200	1,310	2,670	1,490	1,260	1,620	3,980	2,470	548	595	467	722
28	404	1,320	2,870	1,680	1,280	1,550	3,880	2,370	536	605	441	594
29	494	1,340	3,010	1,830	-----	1,520	3,850	2,290	540	634	402	598
30	446	1,400	3,090	1,960	-----	1,410	3,710	2,190	545	753	399	642
31	411	-----	3,140	1,940	-----	1,440	-----	2,120	-----	926	409	-----
TOTAL	19,545	29,339	66,300	59,560	37,236	72,230	87,640	98,500	29,975	24,786	23,046	15,507
MEAN	630	978	2,139	1,921	1,330	2,330	2,921	3,177	999	800	743	517
MAX	1,110	1,400	3,140	3,120	1,930	3,400	4,050	3,770	2,020	1,030	1,160	855
MIN	200	452	1,490	1,200	877	1,200	1,290	2,120	450	542	399	292
CAL YR 1973	TOTAL 568,861	MEAN 1,559	MAX 4,820	MIN 200								
WTR YR 1974	TOTAL 563,664	MEAN 1,544	MAX 4,050	MIN 200								

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.--21 years, 1,664 ft³/s (47.12 m³/s).

EXTREMES.--Current year: Maximum discharge, 6,460 ft³/s (183 m³/s) Apr. 23, (gage height, 8.04 ft (2.451 m)); minimum, 9.3 ft³/s (0.26 m³/s) Oct. 14 (gage height, 1.76 ft (0.536 m)) minimum daily, 13 ft³/s (0.37 m³/s) June 15.
Period of record: Maximum discharge, 9,720 ft³/s (275 m³/s) May 11, 1971 (gage height, 9.80 ft (2.987 m)); minimum, 1.3 ft³/s (0.037 m³/s) Feb. 1, 1962, Aug. 8, 1964 (gage height, 1.53 ft (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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,380	1,310	227	3,450	3,660	1,480	4,240	3,700	2,780	1,590	1,710	87
2	1,520	708	195	4,340	2,580	1,590	4,220	3,360	3,090	1,560	1,570	437
3	1,420	1,220	1,330	4,180	3,190	1,300	4,230	3,170	3,150	1,180	1,050	1,010
4	1,300	598	1,390	3,890	3,060	1,870	4,500	3,110	2,950	381	638	1,620
5	1,260	1,850	1,300	3,820	3,330	1,930	4,610	3,060	3,160	967	1,240	1,290
6	551	1,390	1,050	3,680	3,170	2,750	4,880	3,080	1,910	563	1,280	1,450
7	724	1,430	1,070	3,770	3,330	2,900	4,550	3,190	1,710	178	1,480	972
8	635	1,350	907	3,640	3,380	3,260	4,580	2,900	1,590	1,190	1,690	430
9	1,300	1,400	1,160	3,340	3,450	3,170	4,620	2,990	1,380	1,740	1,800	1,610
10	1,990	857	1,110	2,890	3,410	3,170	4,490	2,320	2,170	972	1,030	1,640
11	1,900	617	1,300	2,860	3,380	3,140	4,910	2,030	1,270	1,200	773	1,610
12	1,550	1,100	1,400	2,450	3,210	3,550	4,870	1,450	1,680	1,230	1,720	1,860
13	1,020	885	1,400	2,460	1,870	3,670	4,990	2,090	1,880	726	1,650	1,640
14	729	936	1,460	2,380	1,820	3,670	4,950	2,850	1,740	792	1,580	897
15	1,470	1,180	1,800	2,500	1,680	3,660	5,200	3,300	13	1,250	1,510	1,120
16	1,760	1,400	2,040	1,920	1,670	3,520	4,850	4,260	417	1,490	1,520	1,870
17	1,420	1,650	1,740	2,170	1,490	3,580	3,860	4,430	1,820	1,230	1,540	1,900
18	1,620	377	1,920	2,280	2,210	3,770	3,690	4,310	1,650	1,480	811	1,540
19	1,860	1,280	2,360	1,460	1,940	3,900	3,710	4,350	1,770	1,290	1,580	1,750
20	1,120	1,800	2,770	1,680	1,680	3,780	3,700	4,350	1,610	972	1,570	1,280
21	538	1,340	2,070	2,090	1,520	3,790	3,690	4,330	1,430	332	1,760	1,330
22	1,410	367	1,890	1,560	1,880	3,800	3,530	4,320	820	1,420	1,570	753
23	1,220	412	2,500	2,160	1,700	3,720	3,860	4,360	852	1,280	1,740	2,120
24	1,840	692	2,400	2,590	1,490	3,590	3,860	4,340	1,230	1,420	1,110	1,760
25	1,100	406	2,190	2,120	1,930	3,680	3,710	4,270	1,410	1,160	851	1,130
26	926	1,420	2,380	1,890	1,660	3,670	3,570	3,380	1,670	1,190	1,650	1,590
27	725	869	2,850	1,410	1,670	3,660	3,710	3,240	1,370	1,190	1,570	1,570
28	585	1,280	3,220	2,770	1,500	3,650	3,700	2,740	857	812	1,760	971
29	1,250	1,270	3,100	2,770	-----	3,730	3,700	3,070	584	1,880	1,460	951
30	1,360	584	3,480	3,140	-----	4,280	3,700	2,850	339	1,220	1,750	1,800
31	1,000	-----	3,540	3,070	-----	4,300	-----	3,280	-----	1,280	967	-----
TOTAL	38,483	31,978	57,549	84,730	66,860	101,530	126,680	104,480	48,302	35,165	43,930	39,988
MEAN	1,241	1,066	1,856	2,733	2,388	3,275	4,223	3,370	1,610	1,134	1,417	1,333
MAX	1,990	1,850	3,540	4,340	3,660	4,300	5,200	4,430	3,160	1,880	1,800	2,120
MIN	538	367	195	1,410	1,490	1,300	3,530	1,450	13	178	638	87

CAL YR 1973 TOTAL 809,109 MEAN 2,217 MAX 5,730 MIN 195
WTR YR 1974 TOTAL 779,675 MEAN 2,136 MAX 5,200 MIN 13

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.--30 years (1944-74), 1,963 ft³/s (55.59 m³/s).

EXTREMES.--Current year: Maximum discharge, 13,000 ft³/s (368 m³/s) Apr. 5 (gage height, 8.40 ft (2.560 m)); minimum, 21 ft³/s (0.59 m³/s) Oct. 28, July 14, 15, 17, 18, Sept. 9 (gage height, 0.66 ft (0.201 m)); minimum daily discharge, 555 ft³/s (15.7 m³/s) June 30. Period of record: Maximum discharge, 13,000 ft³/s (368 m³/s) Apr. 5, 1974 (gage height, 8.40 ft (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 Pierceland.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	957	1,540	1,440	4,650	3,800	1,700	4,740	4,680	3,110	788	1,900	720
2	1,140	1,420	655	4,770	3,600	1,700	5,200	4,380	3,150	1,340	1,800	589
3	1,420	1,330	782	4,650	3,600	1,800	5,750	4,070	3,350	1,740	1,100	1,160
4	1,550	950	1,180	4,570	3,600	2,000	8,680	3,920	3,650	1,250	1,170	1,370
5	1,890	1,030	1,240	4,530	3,600	4,910	10,600	3,880	3,530	839	1,230	1,480
6	2,070	1,420	1,430	4,370	3,600	5,630	7,410	3,570	2,510	1,100	1,790	1,560
7	1,440	1,480	1,390	4,310	3,600	5,250	6,400	4,120	2,110	694	1,680	1,480
8	1,300	1,500	1,160	4,000	3,600	4,720	6,330	3,700	1,770	960	1,760	748
9	1,690	1,500	1,220	3,700	3,600	4,210	5,670	3,850	1,830	1,330	1,890	838
10	1,660	1,340	1,460	3,400	3,600	4,120	5,420	3,410	1,910	1,470	1,530	1,740
11	1,420	1,050	1,590	3,200	3,600	3,900	5,310	2,750	2,400	1,470	1,460	1,560
12	1,500	809	1,760	3,000	3,500	3,960	5,600	2,520	2,430	1,270	1,470	1,990
13	1,410	1,430	1,500	2,700	2,800	3,860	5,670	3,340	2,170	741	1,690	1,940
14	940	1,470	1,600	2,600	1,900	3,930	5,990	3,120	1,990	712	1,730	1,840
15	1,290	1,340	1,700	2,500	1,800	3,870	6,390	3,090	2,650	1,230	1,770	1,390
16	1,440	1,380	1,800	2,200	1,800	3,880	6,550	4,330	988	1,440	1,750	1,280
17	1,520	1,420	1,900	1,900	1,800	3,930	5,900	4,900	791	1,350	1,480	1,760
18	1,580	1,160	2,200	1,800	1,800	3,890	4,820	4,920	1,160	1,430	1,430	1,720
19	1,770	1,220	2,800	1,700	1,800	3,930	4,130	4,850	1,450	1,600	1,410	1,820
20	1,690	1,470	3,200	1,700	1,800	3,960	4,150	4,810	1,600	2,000	1,650	1,800
21	1,190	1,470	3,100	1,700	1,800	3,970	4,220	4,770	1,760	702	1,760	1,760
22	1,240	1,380	2,900	1,800	1,800	3,890	4,210	4,750	1,640	705	1,740	1,330
23	1,320	647	2,800	1,900	1,800	4,040	4,420	4,750	1,170	1,420	1,730	1,310
24	1,470	663	2,800	1,800	1,900	3,990	4,230	4,790	1,220	1,610	1,700	1,850
25	1,380	568	2,800	1,700	2,000	4,010	4,690	4,770	1,410	1,480	1,200	2,290
26	1,600	1,160	3,000	1,700	1,900	4,510	4,590	4,670	1,390	1,420	1,160	2,170
27	1,380	1,300	3,200	2,500	1,800	4,430	4,370	4,530	1,500	1,160	1,730	1,950
28	864	1,440	3,500	3,200	1,700	4,350	4,290	3,040	1,350	1,330	1,730	1,760
29	730	1,630	4,000	3,500	-----	3,750	3,870	3,040	1,050	1,290	1,680	980
30	1,250	1,920	4,300	3,700	-----	3,910	4,190	3,320	555	1,740	1,730	1,120
31	1,470	-----	4,590	4,000	-----	4,560	-----	3,340	-----	2,250	1,440	-----
TOTAL	43,571	38,437	68,997	93,750	73,500	120,560	163,790	122,980	57,594	39,861	49,290	45,305
MEAN	1,406	1,281	2,226	3,024	2,625	3,889	5,460	3,967	1,920	1,286	1,590	1,510
MAX	2,070	1,920	4,590	4,770	3,800	5,630	10,600	4,920	3,650	2,250	1,900	2,290
MIN	730	568	655	1,700	1,700	1,700	3,870	2,520	555	694	1,100	589

CAL YR 1973 TOTAL 949,485 MEAN 2,601 MAX 7,090 MIN 441
WTR YR 1974 TOTAL 917,635 MEAN 2,514 MAX 10,600 MIN 555

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 current year.

GAGE.--Water-stage recorder. Altitude of gage is 1600 ft (488 m) (from topographic map).

EXTREMES.--Current year: Maximum discharge, 127 ft³/s (3.60 m³/s) May 1 (gage height, 2.71 ft (0.826 m)); minimum, 11 ft³/s (0.31 m³/s) Oct. 1-3, 4, 5 (gage height, 1.68 ft (0.512 m)).

REMARKS.--Records good except those for periods of no gage-height record, which are poor. Flow regulated by Lower St. Regis Lake.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	23	56	54	54	41	49	125	41	35	38	25
2	11	23	54	54	54	41	49	123	41	35	37	24
3	11	24	53	54	46	41	50	120	41	37	38	25
4	11	24	52	54	34	41	62	120	41	39	49	26
5	11	24	53	54	34	50	87	117	41	39	52	26
6	11	23	58	54	33	49	85	115	41	38	51	26
7	11	26	57	54	34	58	42	120	41	37	49	26
8	11	25	55	54	33	83	41	120	38	35	47	26
9	13	25	54	54	33	80	41	120	38	34	47	25
10	16	24	68	54	34	79	41	120	29	31	46	24
11	15	24	76	54	34	78	41	120	26	26	44	24
12	15	24	74	54	34	78	41	110	26	26	38	25
13	15	24	60	54	34	78	41	110	26	25	36	25
14	15	24	49	54	33	78	41	100	26	25	36	24
15	15	25	42	52	33	78	41	60	26	23	35	24
16	15	26	41	32	34	74	42	54	26	22	35	24
17	15	27	41	32	34	44	84	54	28	22	36	24
18	15	26	41	32	30	43	84	54	29	21	37	21
19	20	26	41	32	26	43	84	54	29	35	32	21
20	24	26	41	32	26	43	84	52	32	41	29	22
21	24	25	52	32	26	49	83	44	39	40	27	24
22	24	26	54	42	34	55	84	44	45	39	25	26
23	24	26	54	47	41	59	89	44	47	33	24	42
24	24	26	54	47	41	57	89	43	46	30	24	47
25	25	28	54	46	41	57	88	43	46	33	24	47
26	24	33	54	47	41	55	87	43	46	37	24	46
27	24	36	54	48	41	51	87	43	42	38	24	45
28	23	38	54	49	41	51	86	43	36	39	25	45
29	23	41	54	49	-----	51	100	42	36	38	25	45
30	23	51	54	52	-----	58	120	41	36	39	25	45
31	23	-----	54	54	-----	50	-----	41	-----	39	25	-----
TOTAL	568	823	1,658	1,481	1,013	1,793	2,043	2,439	1,085	1,031	1,084	899
MEAN	18.3	27.4	53.5	47.8	36.2	57.8	68.1	78.7	36.2	33.3	35.0	30.0
MAX	37	51	76	54	54	83	120	125	47	41	52	47
MIN	11	23	41	32	26	41	41	41	26	21	24	21

CAL YR 1973 TOTAL 15,851 MEAN 43.4 MAX 125 MIN 11
WTR YR 1974 TOTAL 15,917 MEAN 43.6 MAX 125 MIN 11

NOTE.-- No gage-height record Dec. 13 to Jan. 15, May 7 to June 6.

ST. LAWRENCE RIVER BASIN

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.--64 years, 1,037 ft³/s (29.37 m³/s) (22.87 in/yr (580.9 mm/yr)).

EXTREMES.--Current year: Maximum discharge, 11,400 ft³/s (323 m³/s) Apr. 5 (gage height, 11.26 ft (3.43 m)); minimum, 275 ft³/s (7.79 m³/s) Oct. 28, 29 (gage height, 5.94 ft (1.810 m)); minimum daily, 296 ft³/s (8.38 m³/s) July 17.

Period of record: Maximum discharge, 16,800 ft³/s (476 m³/s) Apr. 6, 1937 (gage height, 12.82 ft (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 (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.

REVISIONS (WATER YEARS).--WSP 584: Drainage area. WSP 1387: 1910-16, 1917(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	559	445	1,580	3,200	1,500	880	1,120	3,530	1,060	561	1,060	391
2	562	467	1,300	3,000	1,300	860	1,180	3,310	1,210	561	874	385
3	622	729	1,140	2,500	1,220	1,100	1,770	2,810	1,160	590	712	378
4	645	1,020	1,080	2,200	1,010	1,600	5,220	2,830	1,100	660	630	478
5	805	931	1,120	2,000	842	4,010	9,390	2,610	1,020	908	1,480	595
6	1,470	788	1,450	1,800	802	5,980	7,300	2,350	919	819	1,410	544
7	1,460	626	1,790	1,500	717	6,080	5,020	2,630	819	722	1,130	455
8	1,160	594	1,660	1,400	734	6,030	4,080	2,490	786	580	942	389
9	884	513	1,490	1,300	732	4,310	2,990	2,330	701	452	1,450	430
10	677	490	1,980	1,200	719	3,150	2,250	2,350	505	452	1,230	420
11	621	473	2,040	1,100	720	2,390	2,110	2,140	989	444	885	649
12	567	463	1,670	1,100	700	2,070	2,230	1,970	1,020	444	691	705
13	555	485	1,320	1,100	700	1,920	2,470	2,110	863	370	571	658
14	525	484	1,100	1,100	700	1,610	3,850	2,120	701	370	480	756
15	614	589	920	1,100	700	1,260	5,970	1,950	630	339	447	720
16	664	970	760	1,100	700	1,070	5,770	1,770	533	410	419	544
17	576	1,280	660	1,000	700	980	4,340	1,710	590	296	408	488
18	626	1,100	600	1,000	700	691	3,650	1,750	797	324	545	476
19	494	902	560	960	700	760	3,280	1,610	874	874	1,050	484
20	506	820	600	1,000	700	720	2,790	1,410	1,130	2,030	1,180	541
21	513	661	1,100	1,100	800	660	2,450	1,290	1,220	1,620	989	952
22	471	678	1,200	1,300	1,000	640	2,330	1,050	1,020	1,220	781	1,420
23	457	821	1,300	1,500	1,100	700	3,120	1,230	989	942	624	1,420
24	462	823	1,300	1,400	1,300	720	3,490	1,370	965	744	528	1,190
25	451	892	1,400	1,300	1,100	680	3,140	1,290	744	733	484	981
26	477	1,070	2,100	1,200	1,000	660	2,590	1,230	702	650	448	863
27	329	1,040	4,500	1,600	980	680	2,200	1,280	841	600	416	811
28	348	1,020	4,900	1,800	920	660	1,950	1,210	808	765	424	739
29	370	1,510	4,500	2,000	-----	660	2,060	1,100	570	908	405	703
30	410	1,680	4,000	1,700	-----	759	3,260	1,060	580	1,120	379	698
31	438	-----	3,800	1,500	-----	1,010	-----	1,000	-----	1,120	355	-----
TOTAL	19,318	24,364	54,920	47,060	24,796	55,300	103,370	58,890	25,846	22,628	23,427	20,263
MEAN	623	812	1,772	1,518	886	1,784	3,446	1,900	862	730	756	675
MAX	1,470	1,680	4,900	3,200	1,500	6,080	9,390	3,530	1,220	2,030	1,480	1,420
MIN	329	445	560	960	700	640	1,120	1,000	505	296	355	378
CFSM	1.01	1.32	2.88	2.46	1.44	2.90	5.59	3.08	1.40	1.19	1.23	1.10
IN.	1.17	1.47	3.32	2.84	1.50	3.34	6.24	3.56	1.56	1.37	1.41	1.22

CAL YR 1973 TOTAL 492,075 MEAN 1.348 MAX 6,640 MIN 203 CFSM 2.19 IN 29.72
WTR YR 1974 TOTAL 480,182 MEAN 1.316 MAX 9,390 MIN 296 CFSM 2.14 IN 29.00

PEAK DISCHARGE (BASE, 5,600 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
03-06	1530	10.78	9,900	04-15	2115	9.64	6,660
04-05	0615	11.26	11,400				

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, 2,350 ft³/s (67.3 m³/s) Apr. 4 (gage height, 5.22 ft or 1.591 m), from rating curve extended as explained below; maximum gage height, 8.30 ft (2.53 m) Dec. 28 (backwater from ice); minimum discharge observed, 21 ft³/s (0.59 m³/s) Dec. 19 (result of freeze up); minimum gage height, 1.60 ft (0.488 m) Aug. 25-27, Sept. 9.

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 observed, 21 ft³/s (0.59 m³/s) Dec. 19, 1973 (result of freeze up); minimum gage height, 1.54 ft (0.469 m) July 25, 1973.

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

COOPERATION.--Observed services furnished by personnel of the Kraft Co. Plant, North Lawrence N.Y.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	65	64	173	210	300	110	160	694	145	60	100	40
2	63	70	166	190	210	160	170	510	136	72	77	41
3	77	119	139	160	150	220	280	440	110	79	70	43
4	79	124	130	170	100	280	960	449	149	86	121	54
5	140	104	139	150	100	860	1,370	390	145	130	256	65
6	174	86	208	140	80	680	968	359	145	102	162	56
7	155	75	204	120	72	780	640	399	145	77	108	49
8	135	70	177	140	66	780	545	359	136	64	86	44
9	115	67	159	62	60	420	390	332	113	60	236	41
10	92	63	272	60	66	200	318	318	103	81	139	61
11	77	73	220	82	66	160	332	288	163	90	83	81
12	72	65	184	100	66	170	363	264	110	70	66	77
13	66	64	622	90	60	170	426	300	88	58	60	70
14	66	67	236	86	60	130	646	284	77	51	54	79
15	70	86	150	100	64	90	975	264	70	46	51	70
16	70	124	80	90	50	90	790	240	65	46	47	63
17	72	126	60	82	54	86	535	240	77	44	51	58
18	68	101	56	86	58	86	480	232	136	41	58	60
19	66	91	40	80	54	86	435	204	133	216	63	58
20	63	91	60	78	54	90	372	180	208	260	61	77
21	63	364	60	86	60	90	336	163	208	240	56	115
22	61	127	76	160	80	94	341	156	177	148	50	166
23	58	133	110	180	150	100	458	204	149	110	44	156
24	56	121	150	260	130	100	471	228	152	92	44	139
25	52	163	200	210	110	110	417	220	152	88	40	130
26	50	142	280	300	100	54	363	212	136	83	39	127
27	49	124	480	430	96	48	314	204	110	77	40	105
28	49	145	560	620	94	72	272	180	92	75	43	86
29	55	224	430	360	-----	60	440	163	79	88	43	79
30	56	188	300	300	-----	82	664	149	77	112	41	70
31	61	-----	250	320	-----	110	-----	136	-----	124	41	-----
TOTAL	2,395	3,461	6,371	5,502	2,610	6,568	15,231	8,761	3,786	2,970	2,430	2,360
MEAN	77.3	115	206	177	93.2	212	508	283	126	95.8	78.4	78.7
MAX	174	364	622	620	300	860	1,370	694	208	260	256	166
MIN	49	63	40	60	50	48	160	136	65	41	39	40

CAL YR 1973 TOTAL 72,890 MEAN 200 MAX 1,100 MIN 34
WTR YR 1974 TOTAL 62,445 MEAN 171 MAX 1,370 MIN 39

PEAK DISCHARGE (BASE, 800 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
3-05	0930	6.72a	1,000	4-15	0930	3.82	1,040
4-04	1800	5.22	2,350	4-29	2300	3.56	856

a Backwater from ice

ST. LAWRENCE RIVER BASIN

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.--49 years, 223 ft³/s (6.315 m³/s).

EXTREMES.--Current year: Maximum discharge, 1,620 ft³/s (45.9 m³/s) Apr. 5 (gage height, 3.83 ft (1.167 m)); minimum, 18 ft³/s (0.51 m³/s) Nov. 8 (gage height, 0.56 ft (0.171 m)); minimum gage height, 0.54 ft (0.164 m) July 9; minimum daily, 112 ft³/s (3.17 m³/s) Nov. 14.
Period of record: Maximum discharge, 2,890 ft³/s (81.8 m³/s) Apr. 25, 1926 (gage height, 5.0 ft (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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	195	185	290	344	308	195	186	821	240	180	250	136
2	209	348	240	285	292	189	188	772	231	198	220	136
3	292	396	247	281	270	186	240	610	222	198	210	147
4	243	357	248	270	255	245	565	604	280	219	270	192
5	208	297	305	259	234	647	1,380	525	260	219	250	167
6	210	251	473	252	217	1,030	1,370	480	234	198	216	150
7	400	241	457	231	208	980	856	540	222	180	189	147
8	330	178	346	221	198	988	700	475	210	172	177	134
9	270	188	307	211	189	747	520	441	207	164	244	134
10	240	176	378	221	186	537	450	441	207	304	210	162
11	220	168	344	224	183	386	401	410	231	225	180	192
12	210	188	292	205	186	337	392	383	222	198	172	177
13	200	122	238	186	177	279	460	465	204	183	152	201
14	210	112	269	198	177	307	800	344	192	175	162	186
15	220	176	232	201	166	265	1,240	292	195	189	139	170
16	230	239	195	189	161	239	1,100	234	186	207	139	147
17	230	193	176	186	169	227	779	256	216	177	145	152
18	220	175	182	183	166	209	744	272	228	172	234	167
19	210	158	192	186	164	226	676	248	204	170	201	147
20	200	167	197	189	175	210	586	231	328	300	177	170
21	190	149	269	192	166	193	540	222	284	270	167	292
22	180	194	290	241	177	205	616	228	237	250	147	340
23	170	242	317	262	227	209	835	316	240	230	143	280
24	160	231	301	292	224	207	800	332	228	200	141	231
25	162	263	280	277	231	186	646	324	210	190	145	204
26	162	261	329	255	217	203	535	304	204	180	141	198
27	152	238	467	296	198	200	465	312	207	200	134	189
28	161	253	594	447	201	188	428	480	195	230	145	177
29	172	367	571	396	-----	171	628	360	183	260	139	175
30	156	332	487	340	-----	186	849	304	180	290	139	186
31	191	-----	387	316	-----	192	-----	207	-----	270	136	-----
TOTAL	6,603	6,845	9,900	7,836	5,722	10,569	19,975	12,233	6,687	6,598	5,514	5,486
MEAN	213	228	319	253	204	341	666	395	223	213	178	183
MAX	400	396	594	447	308	1,030	1,380	821	328	304	270	340
MIN	152	112	176	183	161	171	186	207	180	164	134	134
CAL YR 1973	TOTAL 111,345		MEAN 305		MAX 1,480		MIN 112					
WTR YR 1974	TOTAL 103,968		MEAN 285		MAX 1,380		MIN 112					

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.--16 years (1958-74), 116 ft³/s (3.285 m³/s) (16.83 in/yr or 427.5 mm/yr).

EXTREMES.--Current year: Maximum discharge, 3,250 ft³/s (92.0 m³/s) Apr. 4 (gage height, 12.90 ft or 3.932 m); minimum, 25 ft³/s (0.71 m³/s) Sept. 9 (gage height, 1.69 ft or 0.515 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44	69	159	180	240	88	160	698	125	53	72	28
2	44	71	102	150	200	88	242	432	106	71	54	29
3	79	127	103	140	160	86	635	272	86	64	54	31
4	104	123	106	130	130	300	2,200	398	106	60	104	41
5	162	82	129	120	100	740	2,320	276	87	66	624	39
6	260	67	206	120	90	600	773	244	72	58	127	33
7	125	60	176	110	80	500	412	410	65	48	75	30
8	89	58	118	100	70	280	502	268	58	44	56	28
9	73	58	105	100	64	170	340	232	56	40	113	27
10	64	54	243	98	60	140	224	250	57	99	94	36
11	59	51	206	94	58	120	250	196	206	88	62	55
12	57	51	129	90	56	110	436	169	119	59	49	42
13	54	52	86	88	56	100	454	244	79	46	44	37
14	57	60	78	86	58	96	624	214	64	40	40	34
15	60	76	70	82	60	92	740	151	58	39	38	31
16	56	128	64	80	64	90	480	127	54	39	36	28
17	53	103	58	78	70	90	322	136	67	37	36	30
18	51	81	54	76	80	92	276	162	93	35	52	32
19	49	71	49	72	90	100	234	119	69	510	46	36
20	49	70	56	70	110	110	188	103	97	286	40	46
21	50	62	90	86	130	120	164	94	128	110	38	76
22	49	98	160	130	160	120	169	103	86	71	34	90
23	47	161	190	200	180	110	320	276	66	58	32	70
24	46	111	230	250	130	100	312	248	58	73	31	52
25	45	200	220	210	100	100	270	218	54	70	31	43
26	44	160	230	250	100	98	192	169	51	60	30	42
27	42	108	280	300	94	94	151	159	53	54	29	43
28	41	132	440	350	90	92	128	120	49	52	29	38
29	42	308	340	330	-----	88	256	110	45	77	30	37
30	43	177	250	300	-----	98	853	105	48	198	30	39
31	70	-----	200	270	-----	120	-----	95	-----	112	30	-----
TOTAL	2,108	3,029	4,927	4,740	2,880	5,132	14,627	6,798	2,362	2,717	2,160	1,223
MEAN	68.0	101	159	153	103	166	488	219	78.7	87.6	69.7	40.8
MAX	260	308	440	350	240	740	2,320	698	206	510	624	90
MIN	41	51	49	70	56	86	128	94	45	35	29	27
CFSM	.73	1.08	1.70	1.63	1.10	1.77	5.21	2.34	.84	.94	.74	.44
IN.	.84	1.20	1.96	1.88	1.14	2.04	5.81	2.70	.94	1.08	.86	.49

CAL YR 1973 TOTAL 60,727 MEAN 166 MAX 1,590 MIN 27 CFSM 1.77 IN 24.14
WTR YR 1974 TOTAL 52,703 MEAN 144 MAX 2,320 MIN 27 CFSM 1.54 IN 20.95

PEAK DISCHARGE (BASE, 900 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
3-05	2000	12.81 a	1,200	4-30	0930	7.54	1,190
4-04	2330	12.90	3,250	8-05	0400	7.10	1,060

a Ice jam.

ST. LAWRENCE RIVER BASIN

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.--8 years (1966-74) 247 ft³/s (6.995 m³/s).

EXTREMES.--Current year: Maximum discharge, 5,200 ft³/s (147 m³/s) Apr. 4 (gage height, 7.33 ft (2.234 m)), from rating curve extended as explained below; minimum, 96 ft³/s (2.72 m³/s) Sept. 2 (gage height, 2.93 ft (0.893 m)).

Period of record: Maximum discharge, 5,200 ft³/s (147 m³/s) Apr. 4, 1974 (gage height, 7.33 ft (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 (0.811 m)); minimum daily, 61 ft³/s (1.73 m³/s) Nov. 15, 1967.

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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	263	115	173	260	310	150	157	654	296	177	209	100
2	263	115	173	230	310	140	166	556	269	180	209	100
3	270	145	192	210	300	170	407	562	266	174	224	108
4	259	120	200	190	300	230	2,950	758	263	178	245	106
5	340	120	203	180	300	400	1,690	710	260	178	224	104
6	283	118	248	160	290	656	886	710	239	171	206	104
7	263	118	219	150	190	967	782	703	212	169	194	104
8	251	122	210	140	180	944	766	580	209	167	183	102
9	248	118	278	140	170	912	696	430	206	166	175	102
10	223	115	400	140	160	865	544	426	206	178	165	115
11	170	118	426	140	150	812	458	418	191	175	163	108
12	168	123	464	140	140	751	485	418	180	175	160	106
13	168	125	453	170	140	608	806	462	175	175	138	106
14	168	128	370	170	130	553	862	454	175	173	110	102
15	163	148	360	160	130	502	950	422	178	173	104	104
16	163	148	300	160	130	458	1,030	406	175	171	104	102
17	150	138	250	160	130	407	966	422	178	170	115	104
18	106	135	250	160	130	388	934	406	172	170	115	106
19	106	150	250	160	130	321	750	390	172	191	110	102
20	106	138	250	160	130	230	654	322	194	184	110	130
21	106	150	250	170	140	210	640	251	245	185	108	123
22	106	163	280	260	140	200	668	257	269	184	108	128
23	104	158	350	250	160	180	689	314	263	195	108	120
24	104	153	470	240	170	170	647	303	260	215	110	118
25	106	178	460	250	170	160	610	354	257	218	106	130
26	104	160	460	270	170	150	520	293	254	218	106	160
27	102	160	460	300	160	140	275	310	254	215	108	158
28	102	200	450	280	150	130	272	322	248	212	106	155
29	104	206	440	260	-----	130	462	296	245	218	104	155
30	110	181	350	250	-----	140	640	282	213	218	104	148
31	110	-----	300	260	-----	150	-----	275	-----	212	104	-----
TOTAL	5,289	4,266	9,939	6,170	5,110	12,224	22,362	13,466	6,724	5,785	4,435	3,510
MEAN	171	142	321	199	183	394	745	434	224	187	143	117
MAX	340	206	470	300	310	967	2,950	758	296	218	245	160
MIN	102	115	173	140	130	130	157	251	172	166	104	100
CAL YR 1973	TOTAL	117,581	MEAN	322	MAX	1,530	MIN	102				
WTR YR 1974	TOTAL	99,280	MEAN	272	MAX	2,950	MIN	100				

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.--58 years, 822 ft³/s (23.28 m³/s).

EXTREMES.--Current year: Maximum discharge, 5,410 ft³/s (153 m³/s) Apr. 15 (gage height, 7.63 ft (2.326 m)); minimum recorded, 6.5 ft³/s (1.84 m³/s) Aug. 22 (gage height, 2.02 ft (0.616 m)) but may have been less during period of no gage-height record Aug. 26 to Sept. 9; minimum daily, 230 ft³/s (6.51 m³/s) Sept. 1.

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.

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 11.6 ft³/s (0.33 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	602	512	998	1,520	1,450	747	846	2,780	1,160	630	854	230
2	510	610	935	1,400	1,220	716	891	2,780	1,070	624	810	340
3	589	692	890	1,330	1,020	675	1,170	2,530	900	650	802	450
4	685	753	728	1,280	1,010	734	2,250	2,490	1,000	771	813	580
5	910	566	799	1,220	966	2,010	4,490	2,270	1,080	575	990	680
6	1,090	499	898	1,170	766	3,300	3,750	2,060	940	711	1,080	560
7	854	512	1,080	1,120	760	3,080	2,750	2,350	803	634	1,110	490
8	722	535	1,120	1,040	740	3,430	2,490	2,200	716	609	709	520
9	580	562	1,080	982	720	2,760	2,020	2,040	736	532	772	470
10	605	575	1,210	960	700	2,120	1,770	2,180	729	645	442	445
11	664	539	1,290	920	700	1,760	1,600	2,060	441	700	523	479
12	669	494	1,220	860	680	1,540	1,670	1,920	515	546	520	470
13	799	429	1,030	860	660	1,260	1,680	2,310	673	529	508	491
14	760	401	1,120	860	660	1,260	2,350	2,200	662	534	504	623
15	461	433	890	840	640	1,210	4,300	1,960	718	531	494	540
16	461	734	819	840	640	1,150	3,600	1,890	666	404	463	476
17	469	786	675	840	620	1,040	2,810	1,800	679	398	415	476
18	457	786	508	840	620	950	2,980	1,830	908	414	415	452
19	457	747	642	840	615	956	2,710	1,690	812	372	355	489
20	575	669	636	840	620	950	2,340	1,560	1,000	770	380	506
21	517	658	1,090	847	728	900	2,190	1,480	1,170	772	315	950
22	490	595	1,320	1,120	734	816	2,240	1,450	890	730	590	1,130
23	461	680	1,270	1,210	966	1,020	2,830	1,680	913	625	656	898
24	465	747	1,170	1,190	1,100	1,040	3,030	1,760	849	767	517	789
25	469	913	1,110	1,130	898	896	2,750	1,690	709	608	530	847
26	465	799	1,270	1,170	779	893	2,470	1,530	704	579	500	708
27	465	740	1,920	1,190	792	871	2,140	1,640	737	609	400	654
28	477	928	2,220	1,750	792	879	2,020	1,560	725	630	330	583
29	465	1,160	1,920	1,600	-----	811	2,100	1,460	728	519	290	552
30	477	1,130	1,780	1,450	-----	844	2,620	1,360	691	691	290	642
31	477	-----	1,610	1,430	-----	834	-----	1,210	-----	907	290	-----
TOTAL	18,147	20,184	35,248	34,649	22,596	41,452	72,857	59,720	24,324	19,016	17,667	17,520
MEAN	585	673	1,137	1,118	807	1,337	2,429	1,926	811	613	570	584
MAX	1,090	1,160	2,220	1,750	1,450	3,430	4,490	2,780	1,170	907	1,110	1,130
MIN	457	401	508	840	615	675	846	1,210	441	372	290	230

CAL YR 1973 TOTAL 413,023 MEAN 1,132 MAX 7,190 MIN 94
WTR YR 1974 TOTAL 383,380 MEAN 1,050 MAX 4,490 MIN 230

ST. LAWRENCE RIVER BASIN

04273900 LAKE PLACID AT LAKE PLACID, N.Y.

LOCATION.--Lat 44°17'42", long 73°59'26", Essex County, on south shore of East Lake on Victor Herbert Drive, 400 ft (122 m) north of State Highway 86 in village of Lake Placid.

DRAINAGE AREA.--20.1 mi² (52.1 km²) at outlet 0.7 mi (1.1 km) northwest of gage.

PERIOD OF RECORD.--November 1959 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,854.93 ft (565.383 m) above mean sea level.

EXTREMES.—Current year: Maximum gage height, 3.94 ft (1.201 m) May 1; minimum, 3.04 ft (0.927 m) Sept. 17.

Period of record: Maximum gage height, 4.49 ft (1.369 m) May 3, 1972; minimum, 2.67 ft (0.814 m) Oct. 2, 1968.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.13	3.22	3.40	3.55	3.38	3.23	3.29	3.86	3.44	3.24	3.31	3.12
2	3.14	3.24	3.38	3.54	3.36	3.23	3.30	3.83	3.43	3.23	3.29	3.11
3	3.16	3.27	3.37	3.53	3.35	3.23	3.31	3.76	3.41	3.23	3.28	3.14
4	3.16	3.26	3.35	3.52	3.34	3.23	3.38	3.73	3.39	3.26	3.34	3.17
5	3.20	3.23	3.37	3.50	3.31	3.42	3.60	3.66	3.37	3.28	3.46	3.15
6	3.24	3.23	3.45	3.48	3.30	3.58	3.68	3.62	3.37	3.26	3.47	3.14
7	3.25	3.21	3.48	3.46	3.30	3.61	3.65	3.61	3.34	3.25	3.44	3.13
8	3.25	3.20	3.46	3.44	3.29	3.66	3.61	3.57	3.33	3.23	3.41	3.11
9	3.24	3.19	3.46	3.42	3.28	3.63	3.58	3.54	3.31	3.21	3.39	3.10
10	3.24	3.17	3.48	3.40	3.27	3.60	3.55	3.54	3.30	3.24	3.35	3.12
11	3.23	3.15	3.47	3.38	3.27	3.54	3.50	3.52	3.33	3.22	3.32	3.13
12	3.23	3.15	3.45	3.36	3.26	3.50	3.47	3.51	3.32	3.20	3.29	3.12
13	3.22	3.14	3.42	3.34	3.25	3.46	3.46	3.61	3.29	3.17	3.28	3.14
14	3.25	3.14	3.40	3.32	3.24	3.42	3.53	3.64	3.29	3.16	3.26	3.13
15	3.24	3.18	3.38	3.29	3.23	3.40	3.77	3.61	3.31	3.16	3.24	3.11
16	3.25	3.25	3.33	3.31	3.22	3.39	3.78	3.59	3.30	3.15	3.22	3.10
17	3.25	3.26	3.30	3.31	3.21	3.41	3.71	3.58	3.32	3.12	3.26	3.08
18	3.25	3.25	3.32	3.29	3.21	3.41	3.68	3.57	3.33	3.11	3.35	3.11
19	3.24	3.25	3.33	3.29	3.21	3.39	3.65	3.53	3.32	3.22	3.34	3.10
20	3.24	3.24	3.34	3.29	3.23	3.37	3.61	3.51	3.34	3.27	3.32	3.11
21	3.24	3.23	3.35	3.29	3.22	3.37	3.58	3.47	3.33	3.24	3.29	3.15
22	3.23	3.24	3.52	3.31	3.25	3.38	3.61	3.45	3.32	3.23	3.27	3.22
23	3.23	3.25	3.53	3.32	3.29	3.35	3.85	3.48	3.32	3.21	3.25	3.24
24	3.22	3.25	3.54	3.32	3.28	3.35	3.86	3.49	3.30	3.22	3.24	3.23
25	3.22	3.28	3.55	3.32	3.27	3.33	3.79	3.51	3.29	3.22	3.22	3.21
26	3.21	3.28	3.56	3.31	3.26	3.31	3.71	3.50	3.30	3.21	3.19	3.21
27	3.21	3.28	3.57	3.32	3.26	3.30	3.66	3.51	3.28	3.24	3.17	3.21
28	3.20	3.32	3.58	3.35	3.24	3.29	3.61	3.48	3.27	3.23	3.17	3.21
29	3.20	3.37	3.62	3.39	-----	3.28	3.69	3.47	3.25	3.22	3.16	3.21
30	3.22	3.40	3.57	3.38	-----	3.28	3.79	3.45	3.25	3.26	3.15	3.23
31	3.22	-----	3.56	3.37	-----	3.29	-----	3.43	-----	3.33	3.14	-----
MEAN	3.22	3.24	3.45	3.38	3.27	3.39	3.61	3.57	3.33	3.22	3.29	3.15
MAX	3.25	3.40	3.62	3.55	3.38	3.66	3.86	3.86	3.44	3.33	3.47	3.24
MIN	3.13	3.14	3.30	3.29	3.21	3.23	3.29	3.43	3.25	3.11	3.14	3.08
CAL YR 1973	MEAN 3.33		MAX 3.96		MIN 2.83							
WTR YR 1974		MEAN 3.34	MAX 3.86		MIN 3.08							

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.--50 years, 303 ft³/s (8.581 m³/s) (20.79 in/yr or 528.1 mm/yr).

EXTREMES.--Current year: Maximum discharge, 4,740 ft³/s (134 m³/s) Dec. 21 (gage height, 6.59 ft or 2.009 m); maximum gage height, 10.19 ft (3.106 m) Mar. 5 (ice jam); minimum discharge, 51 ft³/s (1.44 m³/s) Aug. 16, 17 (gage height, 1.11 ft or 0.338 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	73	173	288	300	220	180	155	1,660	300	195	170	63
2	70	289	203	250	170	160	180	1,090	326	207	130	59
3	72	268	186	220	170	180	435	750	289	172	105	95
4	110	229	173	200	160	600	2,100	830	322	213	108	261
5	118	168	241	190	160	1,400	2,720	648	265	244	173	183
6	210	138	958	170	150	1,490	1,250	538	228	204	183	138
7	167	115	557	160	140	1,210	715	774	204	160	150	108
8	131	104	352	150	140	1,270	577	588	183	132	118	89
9	107	98	290	140	140	649	350	550	170	110	118	81
10	92	88	1,150	150	130	506	326	1,390	160	110	110	85
11	82	88	715	160	120	330	342	1,050	210	113	91	108
12	78	80	440	170	120	300	350	924	195	95	79	95
13	74	79	260	160	120	201	539	2,680	170	85	69	89
14	78	81	190	150	130	190	1,540	1,250	152	75	63	93
15	98	106	160	150	130	180	2,990	964	160	79	57	89
16	96	362	130	150	94	180	1,230	822	138	97	54	79
17	95	324	130	160	72	180	792	750	306	97	89	73
18	84	234	140	150	90	178	714	732	572	85	395	75
19	79	180	190	140	100	170	654	577	377	192	213	79
20	78	142	296	150	120	160	555	451	303	261	163	77
21	77	120	2,750	190	120	160	511	377	237	180	128	115
22	75	151	1,320	260	170	160	964	342	201	133	101	318
23	74	177	750	330	1,000	160	2,090	400	180	105	85	240
24	74	163	478	400	800	160	1,300	462	155	108	79	183
25	73	257	322	460	580	140	822	484	145	113	69	153
26	72	313	786	370	420	130	687	415	198	101	60	160
27	70	238	1,770	400	320	120	560	522	228	108	57	170
28	66	232	1,420	470	230	120	599	440	225	140	54	138
29	65	597	886	400	-----	128	1,250	355	178	118	55	133
30	91	413	665	350	-----	145	1,420	322	160	160	69	175
31	249	-----	456	300	-----	138	-----	293	-----	201	69	-----
TOTAL	2,978	6,007	18,652	7,400	6,316	11,275	28,717	23,430	6,937	4,393	3,464	3,804
MEAN	96.1	200	602	239	226	364	957	756	231	142	112	127
MAX	249	597	2,750	470	1,000	1,490	2,990	2,680	572	261	395	318
MIN	65	79	130	140	72	120	155	293	138	75	54	59
CFSM	.49	1.01	3.04	1.21	1.14	1.84	4.83	3.82	1.17	.72	.57	.64
IN.	.56	1.13	3.50	1.39	1.19	2.12	5.40	4.40	1.30	.83	.65	.71

CAL YR 1973 TOTAL 146,782 MEAN 402 MAX 3,890 MIN 45 CFSM 2.03 IN 27.58
WTR YR 1974 TOTAL 123,373 MEAN 338 MAX 2,990 MIN 54 CFSM 1.71 IN 23.18

PEAK DISCHARGE (BASE, 3,700 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-21	1400	5.49	4,740	4-04	2300	6.20	4,170
4-15	0700	6.48	4,570	5-13	0600	6.12	4,060

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.

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, non-recording gage at present site and datum.

EXTREMES.--Current year: Maximum gage height, 4.64 ft (1.414 m) Dec. 30; minimum, 2.79 ft (0.850 m) Oct. 30.
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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.22	3.15	3.18	4.44	3.41	3.56	3.32	3.61	3.89	3.73	3.39	3.22
2	3.22	3.13	3.18	4.39	3.36	3.56	3.34	3.54	3.85	3.71	3.36	3.20
3	3.24	3.14	3.20	4.34	3.33	3.58	3.38	3.50	3.86	3.76	3.35	3.16
4	3.24	3.11	3.18	4.30	3.31	3.60	3.45	3.51	3.89	3.73	3.38	3.24
5	3.28	3.08	3.23	4.25	3.30	3.64	3.63	3.47	3.88	3.73	3.38	3.27
6	3.23	3.06	3.34	4.19	3.28	3.67	3.73	3.46	3.85	3.69	3.35	3.26
7	3.21	3.05	3.32	4.15	3.23	3.67	3.81	3.54	3.83	3.66	3.32	3.25
8	3.19	3.07	3.35	4.06	3.21	3.67	3.81	3.52	3.82	3.60	3.27	3.27
9	3.19	3.02	3.36	3.98	3.20	3.67	3.83	3.51	3.81	3.58	3.20	3.28
10	3.15	3.00	3.55	3.94	3.17	3.67	3.88	3.53	3.79	3.50	3.19	3.23
11	3.18	2.98	3.57	3.91	3.14	3.63	3.86	3.56	3.80	3.41	3.17	3.26
12	3.18	2.99	3.59	3.90	3.12	3.58	3.82	3.61	3.77	3.39	3.16	3.25
13	3.20	2.98	3.63	3.84	3.09	3.54	3.82	3.85	3.74	3.41	3.15	3.37
14	3.21	2.96	3.67	3.82	3.08	3.50	3.87	3.93	3.70	3.41	3.11	3.36
15	3.16	2.93	3.70	3.72	3.10	3.45	4.00	3.97	3.72	3.40	3.10	3.37
16	3.14	3.02	3.66	3.67	3.10	3.45	3.99	3.93	3.70	3.38	3.11	3.31
17	3.12	3.09	3.57	3.62	3.10	3.53	3.99	3.99	3.78	3.39	3.13	3.33
18	3.10	3.06	3.78	3.61	3.10	3.54	3.95	3.95	3.81	3.40	3.13	3.23
19	3.10	3.02	3.71	3.56	3.12	3.48	3.88	3.92	3.83	3.37	3.14	3.26
20	3.08	3.04	3.72	3.51	3.16	3.43	3.90	3.91	3.82	3.31	3.14	3.27
21	3.06	3.07	4.00	3.48	3.17	3.45	3.88	3.92	3.84	3.33	3.15	3.27
22	3.07	3.07	4.36	3.52	3.24	3.49	3.83	3.92	3.82	3.32	3.16	3.36
23	3.08	3.08	4.36	3.48	3.43	3.44	3.81	3.92	3.80	3.32	3.15	3.32
24	3.05	3.07	4.31	3.49	3.45	3.43	3.75	3.97	3.76	3.31	3.14	3.32
25	3.05	3.05	4.34	3.45	3.46	3.39	3.75	3.98	3.81	3.29	3.08	3.34
26	3.05	3.05	4.33	3.42	3.51	3.36	3.71	3.96	3.83	3.28	3.12	3.34
27	3.00	3.08	4.42	3.43	3.53	3.32	3.69	3.94	3.83	3.30	3.14	3.36
28	2.99	3.16	4.50	3.41	3.54	3.28	3.67	3.93	3.84	3.33	3.08	3.37
29	2.96	3.20	4.50	3.45	-----	3.25	3.64	3.93	3.81	3.33	3.11	3.44
30	3.02	3.20	4.50	3.44	-----	3.25	3.61	3.90	3.81	3.45	3.23	3.51
31	3.09	-----	4.43	3.45	-----	3.28	-----	3.92	-----	3.44	3.25	-----
MEAN	3.13	3.06	3.79	3.78	3.26	3.50	3.75	3.78	3.81	3.46	3.20	3.30
MAX	3.28	3.20	4.50	4.44	3.54	3.67	4.00	3.99	3.89	3.76	3.39	3.51
MIN	2.96	2.93	3.18	3.41	3.08	3.25	3.32	3.46	3.70	3.28	3.08	3.16
CAL YR 1973	MEAN 3.54		MAX 4.50	MIN 2.93								
WTR YR 1974	MEAN 3.49		MAX 4.50	MIN 2.93								

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.--6 years (1965-68, 1971-74), 35.4 ft³/s (1.003 m³/s) (20.54 in/yr or 521.7 mm/yr).

EXTREMES.--Current year: Maximum discharge, 1,650 ft³/s (46.7 m³/s) Dec. 21 (gage height, 6.15 ft or 1.875 m) from rating curve extended as explained below; minimum, 1.2 ft³/s (0.034 m³/s) Aug. 26, 27 (gage height, 0.87 ft or 0.265 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, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.7	15	32	70	52	54	23	33	26	15	6.4	4.9
2	3.4	14	25	64	45	50	30	29	22	13	5.3	3.8
3	5.5	12	22	54	40	50	80	29	25	83	6.9	8.7
4	3.9	11	21	50	36	80	288	36	27	58	24	17
5	3.9	9.2	36	45	32	130	290	31	23	44	21	9.4
6	4.3	8.3	129	42	30	190	166	39	22	43	12	6.9
7	3.7	8.3	70	40	27	180	114	99	21	29	8.7	5.6
8	3.4	7.4	51	36	25	150	101	66	17	22	7.2	4.4
9	3.2	6.6	88	33	23	130	80	52	15	18	5.8	4.0
10	3.2	6.3	166	30	21	100	82	69	14	15	5.1	3.5
11	3.2	6.0	90	27	20	90	75	69	17	13	4.4	3.1
12	3.3	6.9	65	25	19	74	78	128	14	11	3.8	2.9
13	3.2	7.4	50	23	18	66	128	378	12	9.4	3.8	32
14	3.3	6.6	46	21	17	58	196	152	13	8.7	4.2	15
15	3.6	9.7	44	19	16	52	253	104	15	9.8	3.5	9.4
16	3.6	57	45	17	16	47	138	80	15	8.0	4.2	7.2
17	3.7	38	54	16	15	44	104	80	48	6.9	4.0	5.8
18	3.6	27	90	15	15	40	90	64	56	6.4	3.5	5.8
19	4.3	22	120	15	15	38	74	51	33	6.7	3.8	4.9
20	4.0	18	149	17	15	37	61	42	25	6.1	3.8	5.3
21	3.9	16	975	30	15	37	53	36	27	5.1	2.8	13
22	3.7	18	295	70	50	35	50	33	32	4.9	2.3	29
23	3.6	16	140	60	180	31	50	41	24	4.2	2.0	15
24	3.7	15	120	45	120	32	51	48	19	4.2	1.8	11
25	3.6	18	160	34	92	30	47	50	20	4.0	1.7	9.8
26	3.6	16	190	30	80	25	41	39	28	3.8	1.3	10
27	3.4	19	268	67	70	23	36	36	32	4.4	1.3	9.1
28	3.2	76	196	98	60	22	33	32	25	4.4	1.8	8.7
29	3.3	69	136	86	-----	21	31	30	20	4.6	4.4	19
30	15	42	106	69	-----	20	30	28	17	22	12	30
31	18	-----	85	62	-----	20	-----	24	-----	8.7	5.8	-----
TOTAL	139.0	601.7	4,064	1,310	1,164	1,956	2,873	2,028	704	496.3	178.6	314.2
MEAN	4.48	20.1	131	42.3	41.6	63.1	95.8	65.4	23.5	16.0	5.76	10.5
MAX	18	76	975	98	180	190	290	378	56	83	24	32
MIN	3.2	6.0	21	15	15	20	23	24	12	3.8	1.3	2.9
CFSM	1.19	8.86	5.60	1.81	1.78	2.70	4.09	2.79	1.00	6.68	2.25	4.45
IN.	2.22	9.96	6.46	2.08	1.85	3.11	4.57	3.22	1.12	7.79	2.28	5.50

CAL YR 1973 TOTAL 17,510.0 MEAN 48.0 MAX 975 MIN 1.7 CFSM 2.05 IN 27.84
WTR YR 1974 TOTAL 15,828.8 MEAN 43.4 MAX 975 MIN 1.3 CFSM 1.85 IN 25.16

PEAK DISCHARGE (BASE, 400 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-21	1000	6.15	1,650	5-13	0145	4.36	744
4-04	1945	3.50	435				

ST. LAWRENCE RIVER BASIN

04279000 LA CHUTE AT TICONDEROGA, N.Y.
(FORMERLY PUBLISHED AS LAKE GEORGE OUTLET AT TICONDEROGA)

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.

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.--32 years (1942-74), 297 ft³/s (8.411 m³/s).

EXTREMES.--Current year: Maximum daily discharge, 1,170 ft³/s (33.1 m³/s) Dec. 28; minimum daily, 6.8 ft³/s (0.19 m³/s) Aug. 26.
1942-74: 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 Part 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 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	32	31	1,140	823	78	110	872	483	727	334	21
2	32	32	31	1,120	795	71	110	847	480	711	330	29
3	32	31	31	1,100	767	73	111	733	485	787	279	25
4	33	31	31	1,080	756	405	115	649	489	885	230	18
5	33	31	32	1,070	756	735	124	642	486	879	301	16
6	33	31	33	1,050	756	891	132	645	476	863	340	20
7	33	31	31	1,050	756	891	148	655	469	854	340	16
8	33	31	31	1,000	756	881	553	545	462	837	340	17
9	32	31	35	973	756	891	934	420	458	810	332	17
10	32	31	36	973	756	891	953	452	457	645	329	17
11	32	31	33	963	756	891	962	452	469	392	330	17
12	32	31	33	973	756	862	951	460	463	237	153	17
13	33	31	151	963	740	852	957	494	458	86	16	30
14	33	31	285	963	360	842	977	502	343	90	15	42
15	32	32	452	932	74	842	1,010	511	183	126	15	42
16	32	36	581	911	74	842	1,000	502	179	128	15	42
17	32	33	554	911	74	881	986	511	188	94	15	86
18	32	32	608	911	74	871	971	502	190	95	14	149
19	32	31	581	911	74	862	948	485	192	95	14	78
20	32	31	590	901	74	833	957	485	194	92	13	25
21	32	31	765	901	74	842	955	485	194	93	12	40
22	32	31	842	891	74	852	945	494	189	61	11	40
23	32	31	842	871	74	846	940	493	182	37	11	39
24	32	31	833	862	73	834	908	504	175	36	10	39
25	32	31	842	852	71	826	913	505	185	36	7.1	39
26	32	31	842	842	71	820	900	500	188	36	6.8	39
27	31	31	1,020	852	71	802	903	495	184	37	46	39
28	31	32	1,170	833	73	773	897	488	419	36	11	39
29	31	32	1,160	833	-----	413	884	487	752	37	10	41
30	32	31	1,160	842	-----	106	877	482	751	188	11	188
31	32	-----	1,160	852	-----	107	-----	495	-----	334	12	-----
TOTAL	996	943	14,766	29,326	11,254	21,596	22,131	16,792	10,823	10,364	3,902.9	1,267
MEAN	32.1	31.4	476	946	402	697	738	542	361	334	126	42.2
MAX	33	36	1,170	1,140	823	891	1,010	872	752	885	340	188
MIN	31	31	31	833	71	71	110	420	175	36	6.8	16

CAL YR 1973 TOTAL 157,873 MEAN 433 MAX 1,170 MIN 31
WTR YR 1974 TOTAL 144,160.9 MEAN 395 MAX 1,170 MIN 6.8

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.--October 1928 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 105 ft (32 m) from topographic map.

AVERAGE DISCHARGE.--46 years, 238 ft³/s. (6,740 m³/s), 17.28 in/yr (439 mm/yr).

EXTREMES.--Current year: Maximum discharge, 6,140 ft³/s (174 m³/s) Dec. 22 (gage height, 16.83 ft or 5.130 m), from rating curve extended above 2,400 ft³/s (68.0 m³/s) as explained below; minimum daily, 4.0 ft³/s (0.11 m³/s) Oct. 16, 19, 24.

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.

REMARKS.--Records good except those for winter period, which are fair. Flow regulated by powerplant above station and by Lake Bomoseen.

REVISIONS (WATER YEARS).--WSP 1114: 1929(M), 1932-35.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	67	62	640	560	470	340	327	257	84	71	220
2	5.2	133	55	560	400	430	447	370	250	86	78	165
3	6.6	162	51	490	330	380	587	352	238	115	50	218
4	38	159	56	440	280	350	1,090	365	226	223	560	729
5	5.6	186	56	390	260	450	1,520	430	214	187	644	576
6	17	176	182	360	210	704	1,400	436	200	541	453	327
7	19	167	158	330	170	691	1,170	490	185	391	280	258
8	42	153	101	300	175	680	979	562	172	284	184	197
9	5.2	117	120	270	180	596	870	429	162	158	146	152
10	6.3	89	230	280	190	450	763	349	155	119	143	133
11	40	108	210	340	160	380	726	355	150	108	108	115
12	4.3	108	172	330	180	340	755	418	125	102	114	101
13	5.2	22	162	290	175	310	882	1,280	97	81	69	693
14	12	10	213	250	170	280	1,370	1,330	106	103	61	649
15	40	37	383	280	170	260	1,760	1,090	79	134	66	537
16	4.0	61	268	250	160	240	1,730	916	82	105	55	377
17	4.6	119	180	220	145	600	1,400	790	105	97	51	258
18	32	76	165	200	135	660	1,130	709	125	95	145	210
19	4.0	81	140	190	125	580	939	616	124	60	93	173
20	4.6	82	155	200	115	480	806	492	107	36	107	162
21	12	35	1,650	220	105	410	690	396	103	55	25	269
22	14	32	3,860	370	160	350	595	339	96	85	132	849
23	42	56	1,700	400	1,500	340	520	304	113	18	69	593
24	4.0	27	1,000	570	1,300	480	482	350	115	61	24	525
25	4.3	50	500	460	1,100	530	504	375	111	75	34	467
26	36	43	900	400	980	470	484	358	90	50	68	415
27	4.6	43	3,000	600	720	410	434	333	84	36	19	235
28	5.2	54	2,200	900	560	360	385	325	80	41	81	175
29	7.0	91	1,600	1,000	-----	340	345	307	62	81	85	299
30	46	88	1,000	720	-----	320	318	295	60	146	343	678
31	45	-----	760	640	-----	320	-----	282	-----	142	282	-----
TOTAL	564.7	2,632	21,289	12,890	10,715	13,661	25,421	15,770	4,073	3,899	4,640	10,755
MEAN	18.2	87.7	687	416	383	441	847	509	136	126	150	359
MAX	49	186	3,860	1,000	1,500	704	1,760	1,330	257	541	644	849
MIN	4.0	10	51	190	105	240	318	282	60	18	19	101
CFSM	.10	.47	3.67	2.22	2.05	2.36	4.53	2.72	.73	.67	.80	1.92
IN.	.11	.52	4.24	2.56	2.13	2.72	5.06	3.14	.81	.78	.92	2.14

CAL YR 1973 TOTAL 124,704.0 MEAN 342 MAX 3,860 MIN 4.0 CFSM 1.83 IN 24.81
WTR YR 1974 TOTAL 126,309.7 MEAN 346 MAX 3,860 MIN 4.0 CFSM 1.85 IN 25.13

PEAK DISCHARGE (BASE, 2,600 ft³/s)

NOTE.--No gage-height record Dec. 23 to Jan. 28.

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-22	0215	16.83	6,140				
12-27	-	-	*4,000				

* About.

LOCATION.--Lat 44°28'52", long 73°13'27", Chittenden County, 50 ft (15 m) south of Gulf Oil Co. dock at Burlington, 0.1 mi (0.2 km) north of Burlington Water Department pumping station, and 0.5 mi (0.8 km) north of railroad station.

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

GAGE.--Water-stage recorder. Datum of gage is 92.86 ft (28.304 m) above mean sea level. Prior to July 20, 1937, nonrecording gage at site 0.7 mi (1.1 km) south, and July 20, 1937, to Sept. 7, 1939, nonrecording gage at site 0.1 mi (0.2 km) south, both at present datum.

EXTREMES.--Current year: Maximum gage height, 7.08 ft (2.158 m) May 2; minimum, 2.01 ft (0.613 m) Nov. 13, affected by seiche.
Period of record: Maximum gage height observed, 8.65 ft (2.637 m) Mar. 27, 28, 1936; minimum observed, -0.25 ft (-0.076 m) Dec. 4, 1908.

REVISIONS (WATER YEARS).--WSP 684: 1912-29 (datum correction). WSP 1207: 1938 (datum correction).

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.82	2.31	2.50	5.53	5.25	4.16	4.26	6.98	6.14	3.97	3.33	2.60
2	2.76	2.27	2.50	5.53	5.28	4.16	4.25	7.06	6.10	3.91	3.32	2.62
3	2.77	2.31	2.40	5.52	5.25	4.10	4.29	7.04	6.00	3.89	3.33	2.63
4	2.79	2.31	2.42	5.50	5.18	4.06	4.49	7.02	5.92	3.89	3.35	2.63
5	2.86	2.32	2.47	5.45	5.12	4.20	4.97	6.99	5.82	3.89	3.30	2.61
6	2.94	2.31	2.55	5.40	5.04	4.46	5.42	6.95	5.76	3.90	3.30	2.58
7	3.01	2.28	2.66	5.35	4.99	4.71	5.63	6.93	5.62	3.91	3.32	2.56
8	3.03	2.20	2.71	5.29	4.92	4.97	5.74	6.89	5.51	3.91	3.25	2.54
9	3.02	2.20	2.76	5.23	4.84	5.09	5.85	6.82	5.42	3.90	3.20	2.49
10	3.01	2.19	2.83	5.16	4.76	5.14	5.85	6.77	5.32	3.92	3.17	2.49
11	2.98	2.15	2.90	5.12	4.69	5.13	5.81	6.78	5.23	3.92	3.18	2.46
12	2.95	2.09	2.94	5.07	4.63	5.10	5.80	6.71	5.13	3.94	3.20	2.42
13	2.90	2.05	2.92	5.00	4.55	5.04	5.79	6.83	5.02	3.91	3.14	2.43
14	2.85	2.05	2.96	4.89	4.50	4.98	5.91	6.91	4.93	3.85	3.06	2.44
15	2.80	2.10	3.05	4.89	4.43	4.91	6.12	6.89	4.83	3.80	3.05	2.39
16	2.77	2.19	3.10	4.90	4.35	4.87	6.41	6.88	4.73	3.77	3.00	2.36
17	2.73	2.19	3.15	4.88	4.28	4.88	6.53	6.83	4.70	3.73	2.97	2.32
18	2.70	2.24	3.18	4.84	4.21	4.86	6.57	6.77	4.67	3.67	3.03	2.32
19	2.67	2.25	3.16	4.82	4.13	4.82	6.61	6.69	4.61	3.63	3.05	2.28
20	2.65	2.25	3.14	4.79	4.09	4.78	6.59	6.59	4.60	3.62	3.05	2.27
21	2.60	2.20	3.33	4.73	4.03	4.76	6.56	6.48	4.55	3.64	3.04	2.33
22	2.60	2.20	3.69	4.75	4.00	4.72	6.54	6.37	4.51	3.60	3.00	2.40
23	2.55	2.22	3.99	4.72	4.10	4.62	6.61	6.36	4.44	3.54	2.95	2.43
24	2.53	2.24	4.17	4.73	4.22	4.63	6.80	6.40	4.38	3.52	2.93	2.41
25	2.50	2.25	4.19	4.73	4.27	4.60	6.86	6.45	4.35	3.50	2.90	2.33
26	2.45	2.30	4.27	4.70	4.26	4.54	6.89	6.47	4.32	3.45	2.84	2.35
27	2.40	2.27	4.50	4.68	4.22	4.51	6.87	6.46	4.25	3.40	2.73	2.34
28	2.39	2.31	4.84	4.84	4.18	4.47	6.79	6.45	4.18	3.34	2.72	2.32
29	2.38	2.38	5.13	5.03	-----	4.40	6.79	6.41	4.11	3.30	2.74	2.32
30	2.37	2.47	5.35	5.13	-----	4.33	6.87	6.35	4.03	3.32	2.69	2.34
31	2.33	-----	5.47	5.18	-----	4.32	-----	6.23	-----	3.35	2.63	-----
MEAN	2.71	2.24	3.39	5.04	4.56	4.66	6.02	6.70	4.97	3.71	3.06	2.43
MAX	3.03	2.47	5.47	5.53	5.28	5.14	6.89	7.06	6.14	3.97	3.35	2.63
MIN	2.33	2.05	2.40	4.68	4.00	4.06	4					

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, 100.08 ft (30.504 m) May 15; minimum, 94.71 ft (28.868 m) Nov. 14.
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).

ELEVATION, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	95.72	95.21	95.26	98.35	98.02	97.00	97.08	99.67	98.99	96.85	96.22	95.50
2	95.77	95.17	95.36	98.37	98.03	96.97	97.12	99.84	98.96	96.85	96.23	95.41
3	95.65	95.13	95.67	98.33	98.01	97.05	97.12	99.91	98.90	96.78	96.24	95.33
4	95.68	95.11	95.37	98.29	97.99	96.98	97.37	99.78	98.82	96.72	96.24	95.38
5	95.77	95.16	95.36	98.25	97.96	97.05	97.78	99.83	98.74	96.75	96.21	95.43
6	95.75	95.12	95.41	98.22	97.89	97.34	98.21	99.83	98.59	96.74	96.19	95.46
7	95.85	95.14	95.45	98.21	97.81	97.56	98.53	99.81	98.59	96.76	96.22	95.43
8	95.88	95.30	95.58	98.10	97.77	97.73	98.50	99.74	98.45	96.77	96.14	95.42
9	95.89	95.01	95.59	98.06	97.70	97.90	98.49	99.73	98.31	96.74	96.07	95.46
10	95.81	94.99	95.71	98.01	97.60	97.88	98.61	99.68	98.22	96.69	96.05	95.33
11	95.84	95.02	95.72	97.96	97.55	97.92	98.65	99.62	98.13	96.70	96.07	95.45
12	95.85	95.15	95.75	97.93	97.48	97.85	98.63	99.72	98.05	96.71	96.08	95.41
13	95.90	95.00	95.95	97.88	97.41	97.78	98.72	99.72	97.97	96.75	96.01	95.34
14	95.75	94.94	95.78	97.94	97.31	97.77	98.82	99.86	97.86	96.72	95.89	95.26
15	95.68	94.85	95.83	97.73	97.27	97.76	99.03	99.86	97.78	96.64	95.83	95.41
16	95.65	94.90	95.88	97.74	97.20	97.72	99.19	99.71	97.67	96.57	95.83	95.24
17	95.60	95.07	95.74	97.73	97.12	97.75	99.40	99.67	97.54	96.56	95.87	95.30
18	95.56	95.06	96.03	97.73	97.04	97.69	99.38	99.56	97.55	96.59	95.93	95.14
19	95.54	95.06	96.02	97.67	97.00	97.70	99.39	99.48	97.50	96.50	95.94	95.24
20	95.53	95.08	96.04	97.66	96.93	97.60	99.44	99.41	97.45	96.42	95.92	95.25
21	95.46	95.22	96.13	97.71	96.87	97.59	99.43	99.35	97.43	96.46	95.91	95.17
22	95.45	95.12	96.55	97.61	96.87	97.59	99.41	99.22	97.35	96.45	95.93	95.23
23	95.44	95.12	96.86	97.62	96.93	97.59	99.42	99.20	97.26	96.45	95.90	95.22
24	95.35	95.12	96.98	97.61	97.04	97.42	99.45	99.29	97.19	96.38	95.80	95.31
25	95.43	95.09	97.19	97.60	97.09	97.42	99.70	99.32	97.12	96.32	95.72	95.50
26	95.41	95.11	97.16	97.59	97.10	97.43	99.69	99.34	97.04	96.30	95.81	95.30
27	95.19	95.27	97.35	97.62	97.09	97.33	99.74	99.33	97.03	96.31	95.84	95.29
28	95.21	95.29	97.71	97.70	97.06	97.23	99.73	99.30	97.00	96.27	95.61	95.37
29	95.22	95.24	98.04	97.88	-----	97.23	99.65	99.26	96.99	96.26	95.60	95.31
30	95.11	95.32	98.21	98.02	-----	97.20	99.72	99.20	96.95	96.29	95.60	95.19
31	95.16	-----	98.30	98.10	-----	97.11	-----	99.37	-----	96.27	95.68	-----
MEAN	95.58	95.11	96.26	97.91	97.40	97.49	98.85	99.57	97.85	96.57	95.95	95.34
MAX	95.90	95.32	98.30	98.37	98.03	97.92	99.74	99.91	98.99	96.85	96.24	95.50
MIN	95.11	94.85	95.26	97.59	96.87	96.97	97.08	99.20	96.95	96.26	95.60	95.14
CAL YR 1973	MEAN 97.45		MAX 100.34	MIN 94.85								
WTR YR 1974	MEAN 96.99		MAX 99.91	MIN 94.85								

LAKES IN ST. LAWRENCE RIVER BASIN

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, 2,410 mil ft³ (68.3 hm³) May 6 (gage height, 16.6 ft or 5.06 m); minimum contents observed, 1,032 mil ft³ (29.2 hm³), Feb. 22 (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, 5,104.5 mil ft³ (145 hm³) May 15 (elevation, 1,385.8 ft or 422.39 m); minimum observed, 1,175.0 mil ft³ (33.3 hm³) Nov. 12 (elevation, 1,351.1 ft or 411.82 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 1973 TO SEPTEMBER 1974

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....	14.4	1,814		1,359.6	1,949.2	
Oct. 31.....	13.5	1,580	- 87.4	1,352.5	1,296.0	- 244
Nov. 30.....	14.2	1,762	+ 70.2	1,361.0	2,090.9	+ 307
Dec. 31.....	15.6	2,128	+137	1,384.6	4,938.6	+1,063
CAL YR 1973			+ 14.1			+ 7.45
Jan. 31.....	13.0	1,460	-249	1,382.6	4,662.1	- 103
Feb. 28.....	11.4	1,098	-150	1,369.0	2,937.6	- 713
Mar. 31.....	12.2	1,274	+ 65.7	1,363.8	2,381.2	- 208
Apr. 30.....	16.2	2,296	+394	1,367.5	2,769.1	+ 150
May 31.....	16.2	2,296	0	1,382.5	4,648.3	+ 702
June 30.....	15.7	2,156	- 54.0	1,378.9	4,160.2	- 188
July 31.....	15.0	1,970	- 69.4	1,380.8	4,413.3	+ 94.5
Aug. 31.....	13.9	1,684	-107	1,376.0	3,784.3	- 235
Sept. 30....	12.9	1,436	- 95.7	1,365.4	2,547.1	- 477
WTR YR 1974	-	-	- 12.0	-	-	+ 19.0

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 ground-water 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 1974

						Measurements
Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Date	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.	-	1953-74	1-17-74	1.0
					4-29-74	.89
					7-31-74	.64
					9-11-74	.59
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.	-	1953-74	1-17-74	.30
					4-29-74	.42
					7-31-74	.50
					9-11-74	.24
01302800	Island Swamp Brook at Lattinatown, N.Y.	Lat 40°53'25", long 73°37'10", Nassau County, at bridge on Lattinatown Road, 0.3 mile (0.5 km) southwest of Lattinatown, and 1.5 miles (2.4 km) northwest of Locust Valley.	-	1953-74	1-16-74	.83
					4-29-74	.90
					7-31-74	.57
					9-11-74	.63
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.	-	1953-74	1-16-74	3.7
					4-29-74	4.4
					7-31-74	3.4
					9-11-74	2.8
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.	-	1953-74	1-16-74	1.6
					4-29-74	2.0
					7-31-74	1.3
					9-11-74	1.1
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.	-	1972-74	1- 8-74	.92
					4-17-74	1.7
					7- 8-74	0
					9-10-74	.69
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 1951-74	1- 8-74	3.5
					4-17-74	4.0
					5- 7-74	2.9
					7- 8-74	1.1
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.	-	1972-74	1- 7-74	4.2
					4-17-74	5.1
					5- 7-74	1.7
					7- 8-74	1.7
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.	-	1953-74	1- 7-74	6.4
					3- 6-74	5.0
					4-17-74	7.3
					5- 7-74	5.9
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.	-	1972-74	1- 7-74	25
					7- 8-74	16
					9-10-74	24

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements made at low-flow partial-record stations during water year 1974--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Date	Measurements
						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	3-12-74	57
					7- 8-74	45
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 1964-74	1- 8-74	1.3
					5-16-74	.09
					7-22-74	1.2
					9-18-74	1.0
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 1951-74	1-17-74	11
					4- 3-74	12
					7- 2-74	6.1
					9-11-74	2.9
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.	-	1973-74	1-17-74	20
					4- 3-74	18
					7- 2-74	8.2
					9-11-74	4.6
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.	-	1973-74	1-17-74	28
					4- 3-74	40
					9-11-74	6.2
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.	-	1971-74	1-17-74	38
					4- 3-74	47
					7- 2-74	12
					9-11-74	12
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.	-	1952-74	1- 8-74	5.9
					5-16-74	6.3
					7-22-74	4.0
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 1973-74	1- 8-74	3.9
					5-16-74	4.8
					7-22-74	2.2
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 1971-74	3- 5-74	1.8
					4-18-74	1.8
					7-18-74	.24
					7-23-74	.14
					9-12-74	.62
					9-27-74	.25
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.	-	1958-74	3- 5-74	.80
					4-18-74	1.2
					7-18-74	.68
					7-29-74	.74
					9-12-74	.54
					9-26-74	.59
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 1973-74	3- 5-74	.61
					4-18-74	.61
					7-18-74	.04
					9-26-74	.05
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.	-	1953-74	3- 5-74	2.8
					7-18-74	1.4
					9-26-74	2.1
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	2-19-74	1.8
					7-18-74	.11
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	2-19-74	2.4
					7-17-74	1.6
					9-12-74	1.3
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.	-	1959-74	2-19-74	2.2
					7-17-74	.71

Discharge measurements made at low-flow partial-record stations during water year 1974--Continued

						Measurements
Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Date	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.	-	1953-74	2-19-74 4-30-74 7-17-74 9-13-74	2.1 2.8 1.9 1.4
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	2-19-74 7-17-74 9-13-74	1.1 .18 .58
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 1973-74	2-21-74 4-30-74 7-17-74	2.8 .85 .32
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.	-	1953-74	2-14-74 4-30-74 7-17-74 9-13-74	6.1 6.7 3.6 3.4
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	2-21-74 4-30-74 7-17-74 9-13-74	4.0 4.7 5.0 3.5
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 1952-74	2-21-74 4-30-74 7-17-74 9-12-74	11 12 1.9 8.5
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.	-	1947-74	12-13-73 2-15-74 5- 2-74 7-12-74 9-12-74	1.8 2.6 3.6 1.8 2.1
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.	-	1973-74	12-13-73 2-15-74 5- 2-74 7-12-74 9-12-74	12 13 14 9.4 10
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.	-	1973-74	12-13-73 2-15-74 5- 2-74 7-12-74 9-12-74	22 25 25 18 31
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.	-	1973-74	2-15-74 4-30-74 5- 2-74 7-12-74	64 67 67 57
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 1971-74	12-13-73 4-18-74 6-19-74 9-11-74	3.4 4.1 3.4 5.2
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 1952-74	12-13-73 4-18-74 6-19-74 9-12-74	10 14 9.9 11
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.	-	1953-74	1-15-74 4-18-74 7-11-74 9-11-74	7.9 8.6 5.4 3.8
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 1956-74	12-13-73 4-18-74 7-30-74 9-18-74	.87 1.7 .58 .50
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 1971-74	12-12-73 4-16-74 6-19-74 7-11-74 9-11-74 9-12-74	6.8 9.5 5.2 4.6 5.0 4.6

Discharge measurements made at low-flow partial-record stations during water year 1974--Continued

						Measurements
Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Date	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 1973-74	12-12-73 4-16-74 6-19-74 7-11-74 9-11-74 9-12-74	32 32 21 21 21 20
01306470	Connetquot Brook near Oakdale, N.Y.	Lat 40°45'47", long 73°09'10", Suffolk County, 100 ft (30 m) downstream from fish hatchery, and 1.1 miles (1.8 km) upstream from gaging station 01306499.	-	1968 1973-74	12-12-73 4-16-74 7-11-74 9-11-74 9-12-74	41 39 27 27 23
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 1971-74	1-15-74 4-18-74 7-11-74 9-11-74	25 29 18 16
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# 1970-74	10-11-73 11-20-73 12- 6-73 1- 2-74 2- 5-74 3- 6-74 4-11-74 5- 8-74 5- 9-74 6-12-74 7- 1-74 8-28-74	4.9 5.5 5.0 7.3 9.2 6.6 10 7.8 7.4 5.9 4.9 3.9
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	7-30-74 9-11-74	2.4 3.5
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.	-	1948-74	12-12-73 4-17-74 7-30-74 9-11-74	1.6 2.3 4.0 1.2
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.	-	1958-74	4-17-74 7-29-74 9-10-74	2.8 .23 .41
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 1973-74	5-20-74 7-24-74 9-10-74 9-16-74	3.9 1.4 1.7 1.9
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 1971-74	10-23-73 12-12-73 2- 6-74 5-20-74 7-24-74 9-16-74	1.4 2.7 5.1 3.9 1.5 1.7
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 1969-74	10-24-73 12-12-73 2- 6-74 5-20-74 7-24-74 9-16-74	4.2 8.5 13 7.3 4.4 7.6
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.	-	1968-74	4-17-74 7-24-74 9-10-74	35 12 22
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# 1970-74	2-14-74 3- 5-74 5- 9-74 6-10-74 7- 9-74 8-22-74	2.7 2.9 4.1 2.6 1.9 .91
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 1971-74	2-14-74 4-17-74 7-29-74	7.7 12 1.7

Discharge measurements made at low-flow partial-record stations during water year 1974--Continued

						Measurements
Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Date	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 1952-74	1- 3-74 4-17-74 7-29-74 9-10-74	2.6 4.9 3.0 1.3
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 1971-74	1- 3-74 4-17-74 7-30-74 9-10-74	.99 4.4 1.3 4.0
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.	-	1953-74	3- 5-74 4-17-74 7-30-74 9-10-74	2.4 2.0 2.0 1.8
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 1971-74	1- 3-74 7-15-74 9-10-74	5.0 11 4.7
01309454	Massapequa Creek at South Farmingdale, N.Y.	Lat 40°42'55", long 73°27'00", Suffolk 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 1973-74	10-23-73 5- 7-74 7-22-74 9-13-74	0 .63 .05 .04
01309476	Massapequa Creek at Southern State Parkway at South Farmingdale, N.Y.	Lat 40°42'21", long 73°27'05", Suffolk 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 1973-74	10-23-73 5- 7-74 7-22-74 9-13-74	.32 4.5 .78 1.4
01309490	Massapequa Creek at North Massapequa, N.Y.	Lat 40°41'55", long 73°27'08", Suffolk County, opposite Franklin Street, at North Massapequa; and 0.55 mile (0.88 km) upstream from gage at Massapequa.	-	1962 1964 1973-74	10-23-73 2-21-74 5- 7-74 7-22-74 9-13-74	1.1 6.8 7.1 1.2 2.6
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.	-	1953-74	1- 3-74 5- 1-74 7-15-74 9-10-74	1.1 4.8 1.5 .24
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, 1971-74	2-19-74 5- 1-74 7-15-74	4.8 4.2 1.0
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.	-	1973-74	2-19-74 6-24-74 9-13-74	.85 .24 0
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.	-	1973-74	2-19-74 6-24-74 9-13-74	2.0 .98 0
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.	-	1963-74	1- 3-74 5- 1-74 7-15-74 9-10-74	1.2 .84 .28 .41
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 1965-74	1- 3-74 5- 1-74 7-15-74 9-10-74	7.8 10 7.2 4.0
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.	-	1973-74	10-23-73 2-21-74 7-22-74 9-10-74	.37 .21 .25 .52
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.	-	1973-74	10-23-73 2-21-74 5- 6-74 7-22-74 9-10-74	.73 1.8 .85 .52 .43

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements made at low-flow partial-record stations during water year 1974--Continued

						Measurements
Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Date	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.	-	1973-74	5- 7-74 7-22-74 9-10-74	3.7 0 2.3
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.	-	1953-74	1- 3-74 5- 1-74 7-15-74 9-10-74	6.3 7.5 5.6 5.9
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 1971-74	1- 3-74 5- 1-74 7-15-74 9-10-74	2.9 3.6 1.7 1.8
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.	-	1953-74	1-17-74 4-17-74 7-30-74 9-16-74	1.7 2.5 .04 .23
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.	-	1954-74	1-17-74 5- 1-74 7-30-74 8- 8-74 9-16-74	.52 .65 0 0 .08
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.	-	1953-74	1-17-74 4-17-74 7-30-74	0 0 0
Hudson River basin						
01333520	Dill Creek near Petersburg, N.Y.	Lat 42°45'47", long 73°21'23", Rensselaer County, at bridge on county road, 0.3 mile east of Stillham hamlet, 1.0 mile northwest of Petersburg, and 1.1 miles upstream from mouth.	7.16	1962-66, 1973-74	8-12-74	.18
01335800	Mohawk River at Hillside, N.Y.	Lat 43°21'18", long 75°23'02", Oneida County, at bridge on Webster Hill road, 100 feet (30 m) upstream from Lansing Kill at Hillside.	48.8	1956-61 1968 1974	8-27-74	24
01338800	Sauquoit Creek at New Hartford, N.Y.	Lat 43°04'28", long 75°17'12", Oneida County, at bridge on county highway, 1.1 miles south of Oriskany.	43.4	1955-56 1958-61 1966 1973-74	8-27-74	18
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 south of Knox, and 1.7 miles upstream from mouth.	6.91	1962-65, 1970,1973	10- 6-72 8- 9-73	0 .22
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 upstream from mouth, and 1.3 miles southwest of Berne.	28.3	1962-65, 1967 1970, 1973-74	8-21-74	2.0
01354080	South Chuctanunda Creek at Amsterdam, N.Y.	Lat 42°56'04", long 74°12'44", Montgomery County, at bridge on Florida Street, at Amsterdam, 0.2 mile downstream from State Highway 58, and 0.7 mile upstream from mouth.	31.7	1961-64, 1967,1973	9-12-73	6.0
01354470	Poentic Kill at Schenectady, N.Y.	Lat 42°48'31", long 73°59'32", Schenectady County, at bridge on Campbell Road at Schonowe, and 0.7 mile (1.1 km) northwest of Schenectady City line.	6.67	1962-65, 1967 1973-74	8-13-74	4.0
01354950	Crabb Kill near Glenville, N.Y.	Lat 42°55'58", long 74°01'00", Schenectady County, at bridge on State Highway 147, 500 feet (152 m) downstream from Fallentree Kill, and 1.8 miles (2.9 km) east of Glenville.	4.67	1962-64 1974	8-18-74	.15

Discharge measurements made at low-flow partial-record stations during water year 1974--Continued

						Measurements
Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Date	Discharge (cfs)
Hudson River basin						
01355200	Alplaus Kill at Burnt Hills, N.Y.	Lat 42°54'18", long 73°55'08", Schenectady County, at bridge on Van Vorst Road, just downstream from LaRue Creek, and 1 mile (1.6 km) west of Burnt Hills.	37.9	1960-61, 1967,1974	8-13-74	2.4
01355450	Indian Kill near Alplaus, N.Y.	Lat 42°52'12", long 73°54'18", Schenectady County, at bridge on Hetcheltown Road at Glenridge, 0.2 mile (0.3 km) upstream from mouth, and 1.1 miles (1.8 km) north of Alplaus.	8.69	1962-64, 1967, 1973-74	8-13-74	1.5
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 1973-74	8- 1-73 8- 2-74	0 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 1973 1974	8- 8-74	0
01359990	East Brook at Stephentown, N.Y.	Lat 42°33'08", long 73°22'43", Rensselaer County, at Rutland Railroad bridge, 200 feet (61 m) upstream from mouth at Stephentown.	7.24	1962-64, 1973-74	8-12-74	2.4
01360520	Green Brook at Riders Mills, N.Y.	Lat 42°28'50", long 73°34'01", Columbia County, at bridge on State Highway 66, 200 feet (61 m) upstream from mouth, at Riders Mills, and 1.1 miles northwest of Malden Bridge.	4.65	1962-65, 1973-74	8-26-74	1.1
01360530	Trout Brook near Old Chatham, N.Y.	Lat 42°26'38", long 73°35'05", Columbia County, at bridge on Shaker Museum Road, 0.35 mile (0.6 km) upstream from mouth, and 1.2 miles (1.9 km) west of Old Chatham.	4.87	1962-65, 1973-74	8-26-74	.90
01360550	Stony Kill near East Chatham, N.Y.	Lat 42°23'22", long 73°33'05", Columbia County, at bridge on Percy Hill Road, 0.5 mile (0.8 km) upstream from unnamed tributary draining Southerland Pond, and 2 miles (3.2 km) southwest of East Chatham.	32.7	1962-65, 1972-74	8-26-74	7.7
01360570	Indian Creek near Chatham, N.Y.	Lat 42°21'11", long 73°34'34", Columbia County, at bridge on relocated State Highway 203, 0.4 mile (0.6 km) upstream from Punsit Creek, and 1.3 miles (2.1 km) east of intersection of State Highway 203 and 66 in Chatham.	12.4	1962-66 1972-74	8-15-74	2.0
01360580	Punsit Creek near Chatham, N.Y.	Lat 42°20'50", long 73°34'31", Columbia County, at bridge on Moorhouse Corner Road, 0.15 mile (0.2 km) upstream from Indian Creek, 0.25 mile southwest of Moorhouse Corner, and 1.5 miles (2.4 km) southeast of intersection of State Highways 203 and 66 in Chatham.	16.0	1962-66 1972-74	8-15-74	1.9
01360600	Kline Kill near Valatie, N.Y.	Lat 42°22'33", long 73°37'53", Columbia County, at bridge on State Highway 203, 2.2 miles (3.5 km) upstream from mouth, and 3.4 miles (5.5 km) southeast of Valatie.	35.8	1961-65, 1972-74	8-26-74	3.9
01360700	Valatie Kill near North Chatham, N.Y.	Lat 42°27'42", long 73°38'37", Columbia County, at bridge on State Highway 203, 0.3 mile (0.5 km) upstream from Kinderhook Lake, and 1.1 miles (1.8 km) southwest of North Chatham.	33.1	1962-65, 1973-74	8-26-74	6.9
01361250	Taghkanic Creek at Craryville, N.Y.	Lat 42°10'10", long 73°34'53", Columbia County, at bridge on County Highway 7, 0.4 mile (0.6 km) south of Craryville.	12.6	1962 1964-66 1970, 1973-74	8-22-74	2.8
01361310	Loomis Creek near Claverack, N.Y.	Lat 42°11'43", long 73°44'21", Columbia County, at bridge on county highway, 250 feet (76 m) upstream from bridge on U.S. Highway 9H, and 2.1 miles (3.4 km) south of Claverack.	6.09	1962 1964-66 1973-74	8-27-74	.33

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements made at low-flow partial-record stations during water year 1974--Continued

						Measurements
Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Date	Discharge (cfs)
Hudson River basin						
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, 1973-74	8-12-74	3.3
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, 1973-74	8-12-74	.56
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, 1973-74	8-12-74	.25
01361900	Shingle Kill at Cairo, N.Y.	Lat 42°18'22", long 74°00'15", Greene County, at bridge on town road at Cairo, about 100 feet (30 m) east of State Highway 32, about 400 feet (122 m) south of State Highway 23, and 0.8 mile (1.3 km) upstream from mouth.	13.9	1965, 1970, 1973-74	8-26-74	1.9
01362155	Preechey Hollow Brook near Copake, N.Y.	Lat 42°04'04", long 73°31'53", Columbia County, at bridge on county highway, 200 feet (61 m) east of State Highway 22, 200 feet (61 m) upstream from mouth, and 2.7 miles (4.3 km) southeast of Copake.	2.53	1962, 1964-66, 1973-74	8-22-74	.30
01362156	Noster Kill near Copake, N.Y.	Lat 42°04'04", long 73°31'55", Columbia County, at bridge on county highway 100 feet (30 m) east of State Highway 22, and 2.7 miles (4.3 km) southeast of Copake.	7.22	1962, 1964-66, 1973-74	8-22-74	1.8
01362168	Fall Kill near Elizaville, N.Y.	Lat 42°00'56", long 73°43'59", Columbia County, at bridge on County Highway 2, 0.3 mile (0.5 km) upstream from mouth, and 4 miles (6.4 km) southeast of Elizaville.	5.02	1962, 1964-66, 1973-74	8-22-74	.48
01362180	Doove Kill at Manorton, N.Y.	Lat 42°05'03", long 73°47'52", Columbia County, at bridge on County Highway 19, 0.5 mile (0.8 km) south of Manorton, and 2.4 miles (3.9 km) north of Elizaville.	10.8	1962, 1964-66, 1973-74	8-22-74	.55
01372945	Clove Creek near Cold Spring, N.Y.	Lat 41°27'30", long 73°55'13", Putnam County, at bridge on East Mountain Road West, 50 feet (15 m) east of U.S. Highway 9, and 3.2 miles (5.1 km) northeast of Cold Spring.	10.2	1962, 1964, 1966, 1970, 1973	8-31-73, 9-28-73	.40, .36
01374098	Annsville Creek at Graymoor, N.Y.	Lat 41°20'23", long 73°55'27", Putnam County, at bridge on U.S. Highway 9, 1 mile (1.6 km) south of Graymoor, and 3.3 miles (5.3 km) north of Peekskill.	1.97	1962, 1964-66, 1970, 73	8-31-73, 9-28-73	.16, .17
Susquehanna River basin						
01502680	Big Brook near Bennettsville, N.Y.	Lat 42°15'40", long 75°28'25", Chenango County, at bridge on County Highway 39, 0.7 mile (1.1 km) upstream from mouth, and 1.5 miles (2.4 km) west of Bennettsville.	39.6	1962-65, 1970-72	6- 4-74	*20
01502710	Wylie Brook at Harpursville, N.Y.	Lat 42°11'26", long 75°37'02", Broome County, at bridge on State Highway 7, 0.3 mile (0.5 km) northeast of Harpursville, and 0.4 mile (0.6 km) west of Ninevah.	24.8	1962-65, 1970, 1972	6- 5-74	*16
01502712	Belden Brook at Harpursville, N.Y.	Lat 42°10'50", long 75°37'26", Broome County, at bridge on Maple Street at Harpursville, and 0.5 mile (0.8 km) upstream from mouth.	11.6	1962-65, 1970, 1972	6- 5-74	2.4
01502720	Sage Creek at Ouaquaga, N.Y.	Lat 42°07'04", long 75°39'22", Broome County, at bridge on State Highway 79, 0.1 mile (0.2 km) upstream from mouth, and 1 mile (1.6 km) south of Ouaquaga.	13.0	1962-65, 1970-72, 1974	6- 5-74	4.8

Discharge measurements made at low-flow partial-record stations during water year 1974--Continued

						Measurements
Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Date	Discharge (cfs)
Susquehanna River basin						
01502730	Oceanum Creek at Windsor, N.Y.	Lat 42°04'54", long 75°38'26", Broome County, at bridge on State Highway 79, 0.25 mile (0.4 km) upstream from mouth, and 0.4 mile (0.6 km) north of Windsor.	14.4	1962-65 1970-72 1974	6- 5-74	2.3
01502740	Tuscarora Creek at Damascus, N.Y.	Lat 42°03'20", long 75°36'46", Broome County, at bridge on old State Highway 17 at Damascus, and 0.5 mile (0.8 km) upstream from mouth.	8.74	1962-65 1970-72 1974	6- 5-74	3.5
01503300	Park Creek near Binghamton, N.Y.	Lat 42°05'38", 75°48'29", Broome County, at bridge on U.S. Highway 11, 0.3 mile (0.5 km) upstream from mouth, and 1.1 miles (1.8 km) east of city line of Binghamton.	15.7	1962-65 1970-72 1974	6- 5-74	3.0
01505920	Mill Brook near Oxford, N.Y.	Lat 42°25'44", long 75°37'26", Chenango County, at bridge on State Highway 12, 0.24 mile (0.4 km) upstream from mouth, and 1.7 miles (2.8 km) south of Oxford.	13.0	1962-66 1974	6- 4-74	*10
01505950	Bowman Creek near Tyner, N.Y.	Lat 42°24'11", long 75°38'08", Chenango County, at bridge on State Highway 12, 0.2 mile (0.3 km) upstream from mouth, and 2.4 miles (3.9 km) southeast of Tyner.	26.8	1962-66 1970 1974	6- 4-74	*22
01506300	Wheeler Brook near Brisben, N.Y.	Lat 42°20'43", long 75°42'38", Chenango County, at bridge on East River Road, 0.15 mile (0.2 km) upstream from mouth, and 2.1 miles (3.4 km) southwest of Brisben.	10.6	1962-66 1970 1974	6- 4-74	*70
01506350	Tillotson Creek near Brisben, N.Y.	Lat 42°21'16", long 75°42'40", Chenango County, at bridge on State Highway 12, 0.4 mile (0.6 km) upstream from mouth, and 2 miles (3.2 km) southwest of Brisben.	9.65	1962-66 1970 1974	6- 3-74	*5.4
01506400	Spring Brook near Brisben, N.Y.	Lat 42°21'01", long 75°43'58", Chenango County, at bridge on State Highway 12, 0.2 mile (0.3 km) upstream from mouth, and 2.9 miles (4.7 km) southwest of Brisben.	17.5	1962-66 1970 1974	6- 4-74	*12
01507490	Pond Brook at Smithville Flats, N.Y.	Lat 42°23'48", long 75°48'31", Chenango County, at bridge on State Highway 41 and 220, at Smithville Flats, and 0.25 mile (0.4 km) upstream from mouth.	9.5	1962-66 1970 1974	6- 4-74	*50
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	10-23-73 6- 4-74	2.2 12
01513100	Fuller Hollow Creek at Johnson City, N.Y.	Lat 42°05'48", long 75°57'56", Broome County, at bridge on Vestal Road, 0.1 mile (0.2 km) upstream from mouth, and 0.3 mile (0.5 km) south of Johnson City.	3.52	1962-66 1970 1972 1974	6- 5-74	0.6
Streams Tributary to Lake Erie						
04213420	Elton Creek at The Forks, N.Y.	Lat 42°31'05", long 78°31'00", Cattaraugus County, at highway bridge at The Forks, and 0.2 mile (0.3 km) upstream from mouth.	71.1	1963-64 1970-72 1974	6- 4-74	73
04213490	South Branch Cattaraugus Creek near Otto, N.Y.	Lat 42°21'54", long 78°48'06", Cattaraugus County, at highway bridge, 0.2 mile (0.3 km) upstream from Mansfield Creek, and 1.7 miles (2.7 km) northeast of Otto.	25.6	1962-64 1971-72 1974	6- 4-74	14
04214010	Clear Creek near Iroquois, N.Y.	Lat 42°32'34", long 79°00'56", Erie County, at bridge on State Highway 438, 1 mile (1.6 km) upstream from mouth, and 1.7 miles (2.7 km) northwest of Iroquois.	56.4	1963-64 1970-72 1974	6- 4-74	20
04214030	Muddy Creek near Farnham, N.Y.	Lat 42°36'54", long 79°04'54", Erie County, at bridge on Reeves Road, 0.9 mile (1.4 km) southeast of Angola Lake Shore addition, 1.5 miles (2.4 km) north of Farnham, and 1.5 miles (2.4 km) upstream from mouth.	11.1	1963-64 1970-72 1974	6- 4-74	1.0

Discharge measurements made at low-flow partial-record stations during water year 1974--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Date	Discharge (cfs)
Streams Tributary to Lake Erie						
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 miles (2.4 km) southwest of Angola, and 1.6 miles upstream from mouth.	8.15	1963-64 1970-72 1974	6- 4-74	2.6
04214060	Big Sister Creek at Evans Center, N.Y.	Lat 42°39'24", long 79°02'09", Erie County, at bridge on State Highway 5, at Evans Center, and 1.5 miles (2.4 km) upstream from mouth.	48.4	1958 1963-64 1970-72 1974	8-14-74	3.2
04214260	S. Br. Smoke Creek at Lackawanna, N.Y.	Lat 42°48'18", long 78°48'36", Erie County, at bridge on Willetts Road, at Lackawanna, and 1.6 miles (2.6 km) upstream from mouth.	13.6	1953-55 1972 1974	6- 5-74	* 1.9
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	6- 4-74	4.0
04214980	Little Buffalo Creek near East Lancaster, N.Y.	Lat 42°52'46", long 78°36'27", Erie County, at bridge on Schwartz Road, 1.9 miles (3.1 km) southeast of East Lancaster, and 2.9 miles (4.7 km) upstream from mouth.	23.9	1963-64 1970-72 1974	6- 5-74	6.2
04215250	West Branch Cazenovia Creek near East Aurora, N.Y.	Lat 42°45'16", long 78°39'06", Erie County, at bridge on Jewett-Holmwood Road, 0.7 mile (1.1 km) upstream from mouth, and 1.5 miles (2.4 km) southwest of East Aurora.	58.6	1962-64 1970-72	6- 5-74	28
04215350	East Branch Cazenovia Creek at South Wales, N.Y.	Lat 42°42'12", long 78°34'50", Erie County, at bridge on Darling Road, 0.4 mile (0.6 km) south of South Wales, and 10 miles (16.1 km) upstream from confluence with West Branch.	38.0	1963-64 1970-72 1974	6- 5-74	25
Streams Tributary to Niagara River basin						
04216400	Tonawanda Creek near Johnsonburg, N.Y.	Lat 42°43'05", long 78°19'18", Wyoming County, at bridge on State Highway 98, 0.6 mile (1.0 km) downstream from East Fork, and 3.0 miles (4.8 km) south of Johnsonburg.	24.6	1961-64 1970-72 1974	6- 4-74	17
04217700	Murder Creek at Pembroke, N.Y.	Lat 42°59'37", long 78°26'08", Genesee County, at bridge on Lake Road, 0.3 mile (0.5 km) south of Pembroke and 12.5 miles (20.1 km) west of Batavia.	43.9	1961-64 1970-72 1974	6- 5-74	9.7
Streams Tributary to Lake Ontario						
04227650	Jaycox Creek near Geneseo, N.Y.	Lat 42°50'06", long 77°48'44", Livingston County, at bridge on Nations Road, 1.5 miles upstream from mouth, and 1.7 miles north of village line of Geneseo.	14.1	1964-65 1970 1973-74	11-28-73	2.6
04232428	Mill Creek at Lodi, N.Y.	Lat 42°35'57", long 76°49'27", Seneca County, at bridge on County Highway 137, 0.5 mile (0.8 km) south of village line of Lodi, and 3.4 miles (5.5 km) upstream from mouth.	7.08	1965-66 1970-72 1974	6- 4-74	.85
04233310	Sixmile Creek above Ithaca, N.Y.	Lat 42°24'33", long 76°27'14", Tompkins County, at bridge on Burns Road, 1.8 miles (2.9 km) southeast of Ithaca, and 4.4 miles (7.1 km) upstream from mouth.	42.0	1966 1968 1970-72 1974	6- 3-74	28
04233633	Fall Creek at McLean, N.Y.	Lat 42°33'04", long 76°17'33", Tompkins County, at bridge on County Highway 105, at McLean.	40.2	1963-64 1966-67 1970-72 1974	6- 3-74	35
04234028	Taughannock Creek at Halseyville, N.Y.	Lat 42°31'47", long 76°38'14", Tompkins County, at bridge on State Highway 96, at Halseyville, and 3.0 miles (4.8 km) upstream from mouth.	57.1	1955 1964-66 1970-72 1974	6- 4-74	17
04234032	Trumansburg Creek at Trumansburg, N.Y.	Lat 42°32'31", long 76°38'52", Tompkins County, at bridge on town road, in Trumansburg, and 1.8 miles (2.9 km) upstream from mouth.	13.1	1935 1955 1964-66 1970-72 1974	6- 4-74	2.8

Discharge measurements made at low-flow partial-record stations during water year 1974--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Date	Measurements
						Discharge (cfs)
Streams Tributary to Lake Ontario						
04234036	Lively Run at Interlaken Beach, N.Y.	Lat 42°37'48", long 76°41'17", Seneca County, 150 feet (46 m) upstream from mouth at Interlaken Beach.	1.97	1965-66 1970 1972 1974	6- 4-74	T
04234038	Sheldrake Creek at Sheldrake, N.Y.	Lat 42°39'54", long 76°42'06", Seneca County, at bridge on County Highway 153, at Sheldrake, and 0.1 mile (0.2 km) upstream from mouth.	8.39	1955 1965-66 1970-72 1974	6- 4-74	.76
04234048	Hicks Gully Creek at East Varick, N.Y.	Lat 42°44'43", long 76°46'14", Seneca County, at culvert on State Highway 89, 0.1 mile (0.2 km) upstream from mouth, and 1.7 miles (2.7 km) south of East Varick.	5.20	1965-66 1970-72 1974	6- 4-74	.30
04234053	Great Gully Brook near Union Springs, N.Y.	Lat 42°48'28", long 76°42'08", Cayuga County, at bridge on State Highway 90, 0.6 mile (1.0 km) upstream from mouth, and 1.7 miles (2.7 km) south of village boundary of Union Springs.	14.6	1965-66 1970-72 1974	6- 5-74	2.5
04234058	Yawger Creek near Union Springs, N.Y.	Lat 42°52'44", long 76°41'02", Cayuga County, at bridge on County Highway 4B, 1.4 miles (2.3 km) north of town line of Union Springs, and 2.4 miles (3.9 km) upstream from mouth.	13.2	1964-66 1970-72 1974	6- 5-74	2.5
04235276	Black Brook at Tyre, N.Y.	Lat 42°59'30", long 76°48'12", Seneca County, at bridge on County Highway 101, in village of Tyre, and 0.8 mile (1.3 km) upstream from mouth.	19.0	1964-66 1970-72 1974	6- 5-74	2.6
04235281	Crane Brook at Montezuma, N.Y.	Lat 43°01'17", long 76°41'21", Cayuga County, at bridge on Wisley Road, 1.0 mile (1.6 km) northeast of Montezuma, and 1.7 miles (2.7 km) upstream from mouth.	45.4	1965-66 1970-72 1974	6- 5-74	9.6
04235293	Spring Lake Outlet at Spring Lake, N.Y.	Lat 43°07'36", long 76°41'10", Cayuga County, at culvert on Spring Lake Road, at Spring Lake, and 1.7 miles (2.7 km) upstream from mouth.	7.59	1965-66 1970-72 1974	6- 5-74	2.1
04250990	Woodhull Creek near Forestport, N.Y.	Lat 43°27'48", long 75°10'23", Oneida County, on bridge on dirt road 2.3 miles northeast of Forestport.	-	1973-74	8-29-74	93
04250998	Alder Creek at Alder Creek, N.Y.	Lat 43°25'28", long 75°13'45", Oneida County, at culvert on State Highway 12, 0.1 mile northwest of Alder Creek, and 1.3 miles upstream from mouth.	4.73	1967-68 1971-74	8-29-74	9.9
04252400	Cummings Creek at Hawkinsville, N.Y.	Lat 43°29'56", long 75°16'24", Oneida County, at bridge on town highway, 0.1 mile upstream from mouth, and 0.4 mile northeast of Hawkinsville.	23.2	1962-64 1973-74	8-29-74	33
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 1973-74	8-27-74	1.7
04253005	Moose Creek near Talcottville, N.Y.	Lat 43°30'22", long 75°21'09", Lewis County, at bridge on State Highway 12D, 1.6 miles (2.6 km) upstream from mouth, and 2.0 miles (3.2 km) southeast of Talcottville.	20.4	1966-67 1973-74	8-27-74	19
04254900	Copper Creek at Fowlersville, N.Y.	Lat 43°37'27", long 75°15'30", Lewis County, at bridge on town highway, 0.2 mile (0.3 km) upstream from mouth, and 0.8 mile (1.3 km) east of Fowlersville.	28.5	1967 1973-74	8-29-74	16
04254930	Mill Creek at Turin, N.Y.	Lat 43°37'42", long 75°24'43", Lewis County, at bridge on State Highway 12D, at Turin, and 2.7 miles (4.3 km) upstream from mouth.	6.42	1967-68 1971-74	8-28-74	2.1
04254960	Fish Creek at Greig, N.Y.	Lat 43°40'00", long 75°21'27", Lewis County, at bridge on River Road, 0.2 mile (0.3 km) upstream from mouth, and 0.6 mile (1.0 km) south of Greig.	22.7	1966-67 1973-74	8-28-74	16

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements made at low-flow partial-record stations during water year 1974--Continued

						Measurements
Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Date	Discharge (cfs)
Streams Tributary to Lake Ontario						
04255010	Whetstone Creek at Glendale, N.Y.	Lat 43°43'28", long 75°24'37", Lewis County, at bridge on State Highway 12 (0.25 mile (0.4 km) upstream from old State Highway 12), 0.6 mile (1.0 km) northeast of Glendale, and 1.5 miles (2.4 km) upstream from mouth.	12.3	1966-67 1973-74	8-28-73	5.1
04256050	Mill Creek at Lowville, N.Y.	Lat 43°47'00", long 75°28'38", Lewis County, at bridge on East Main Street at Lowville, and 1.4 miles (2.3 km) upstream from mouth.	33.3	1967-68 1974	8-27-74	4.5
04256080	Crystal Creek at Crystal Dale, N.Y.	Lat 43°49'31", long 75°19'18", Lewis County, at bridge on county highway (Number Four Rd.), 0.6 mile (1.0 km) northeast of Crystal Dale.	5.48	1966-67 1974	8-28-74	8.6
04256090	Crystal Creek near New Bremen, N.Y.	Lat 43°50'16", long 75°25'05", Lewis County, at bridge on town highway (Tillman Road) 1.1 miles (1.8 km) east of New Bremen, and 3 miles (4.8 km) upstream from mouth.	19.9	1966-67 1974	8-27-74	19
04257950	Balsam Creek near Belfort, N.Y.	Lat 43°57'08", long 75°20'24", Lewis County, at bridge on Erie Canal Road, 1.5 miles (2.4 km) north of Belfort, and 2.2 miles (3.5 km) upstream from mouth.	10.1	1967 1974	8-28-74	6.6
04258070	Swiss Creek near Naumburg, N.Y.	Lat 43°56'13", long 75°30'28", Lewis County, at bridge on Second Road, 2.3 miles (3.7 km) upstream from mouth, and 3 miles (4.8 km) north of Naumburg.	14.7	1967-68 1974	8-28-74	0.53
St. Lawrence River basin						
04264350	South Branch Grass River at Newbridge, N.Y.	Lat 44°17'12", long 74°58'35", St. Lawrence County, at bridge on Tooley Pond Road, at former hamlet of Newbridge, 0.8 mile (1.3 km) downstream from Moosehead Pond Outlet, 6.5 miles (10.5 km) southeast of Degrasse, and 11 miles (18 km) upstream from confluence with Middle Branch.	120	1921, 1963-67, 1973-74	7-17-74	88
04272600	Sumner 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	1963-67 1974	10-11-73	61
04273800	Little Ausable River near Valcour, N.Y.	Lat 44°35'39", long 73°29'48", Clinton County, at bridge on town road, at Laphams Mills, and 2.8 miles (4.5 km) southwest of Valcour.	67.8	1956-61, 1966,73 1974	7-23-74	12.3
04276900	English Brook at Lake George, N.Y.	Lat 43°26'23", long 73°43'25", Saratoga County, at bridge on Big Hollow Road, 300 feet (91 m) southwest of U.S. Highway 9, about 500 feet (152 m) upstream from Big Hollow Branch, at Lake George, and 1.0 mile (1.6 km) upstream from mouth.	5.03	1961-66, 1973-74	8- 8-74	1.3
04279010	Trout Brook at Ticonderoga, N.Y.	Lat 43°50'46", long 73°26'28", Essex County, at bridge on State Highway 9N, 0.2 mile (0.3 km) west of village line of Ticonderoga, and 0.9 mile (1.4 km) upstream from mouth.	24.6	1962-66, 1973-74	10-15-73	3.3
04280600	Big Creek at Smiths Basin, N.Y.	Lat 43°21'23", long 73°29'16", Washington County, at highway bridge 0.35 mile upstream from mouth, 0.5 mile (0.8 km) east of Smiths Basin, and 4.8 miles (7.7 km) west of Hartford.	33.5	1961-64 1965-66 1973-74	6-19-74	8.8

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 1974

						Annual maximum	
Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Date	Gage height (feet)	Dis-charge (cfs)
Housatonic River basin							
01199400	Webatuck Creek near South Amenia, N.Y.	Lat 41°46'51", long 73°33'21", Dutchess County, at bridge on Pump House Road, 200 ft upstream from confluence with Wassaic Creek, and 1.6 miles southwest of South Amenia.	81.0	1962-69 1971-74	12-22-73	8.38	+
01199420	Tenmile River near Wassaic, N. Y.	Lat 41°46'50", long 73°33'34", Dutchess County, at county bridge A-30, 0.2 mile downstream from confluence of Wassaic and Webatuck Creeks and 1.6 miles south of Wassaic.	120	1959-60#, 1961-65, 1967-74	12-22-73	8.78	+
01199490	Swamp River near Dover Plains, N. Y.	Lat 41°41'56", long 73°35'03", Dutchess County, on left bank at old highway bridge, 0.2 mile upstream from bridge on State Highway 22, 0.4 mile downstream from Mill River, 1.7 miles upstream from Tenmile River, and 2.8 miles south of Dover Plains.	46.6	1961-68# 1969-74	12-22-73	5.67	+
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 mile north of Arietta. Datum of gage is 1,648.95 ft above mean sea level.	28.9	1963-74	12-21-73	10.66	893
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 mile up-stream from mouth, and 5.5 miles south of Piseco. Datum of gage is 1,687.35 ft above mean sea level.	7.16	1962-66, 1968-74	12-21-73	1.69	155
01323000	Kennyetto Creek near Broadalbin, N. Y.	Lat 43°03'57", long 74°09'48", Fulton County, at bridge on county highway, 1.8 miles east of Broadalbin.	28.3	1940-46#, 1960-65, 1969-74	12-27-73	4.06	1,160
01329900	Glowegee Creek Tributary at Mosherville, N.Y.	Lat 43°03'24", long 74°00'58", Saratoga County, at culvert on Parkis Mill Rodd, and 0.4 mile (0.6 km) south of Mosherville.	1.37	1968-74	12-27-73	11.63	39
01342730	Steele Creek at Ilion, N. Y.	Lat 43°00'04", long 75°26'10", Herkimer County, at bridge on Whitney Street in Ilion, and 1.6 miles upstream from mouth.	26.1	1966-68# 1969, 1971-74	7- 3-74	4.93	1,420
01342800	West Canada Creek at Nobleboro, N. Y.	Lat 43°23'47", long 74°51'35", Herkimer County, at bridge on State Highway 8 in Nobleboro.	192	1946 1958-66 1967-68# 1969 1972 1974	12-27-73	8.78	8,360
01346820	Mohawk River Tributary at Indian Castle, N.Y.	Lat 43°00'34", long 74°47'47", Herkimer County, at culvert on State Highway 58, 0.35 mi (0.6 km) west of Indian Castle, and 0.4 mi (0.7 km) upstream from mouth.	1.37	1974	7- 3-74	101.10	74
01349700	East Kill near Jewett Center, N.Y.	Lat 42°14'57", long 74°18'11", Greene County, at bridge on Mill Hollow Road, 1.2 miles northeast of Jewett Center, and 1.3 miles upstream from mouth.	35.2	1951, 1956, 1967-68, 1972-74	12-21-73	9.88	8,230
01349850	Batavia Kill at Hensonville, N. Y.	Lat 42°17'17", long 74°12'55", Greene County, at bridge on County Highway 40, at Hensonville, 0.7 mile upstream from Silver Lake Outlet, and 1.8 miles upstream from Nauvo Stream.	13.5	1955, 1960, 1965-66, 1968, 1972 1974	12-21-73	4.95	1,500

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Annual maximum discharge at crest-stage partial-record stations during water year 1974--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Date	Annual maximum	
						Gage height (feet)	Dis-charge (cfs)
Hudson River basin--Continued							
01349920	Batavia Kill at Ashland, N.Y.	Lat 42°17'44", long 74°21'07", Greene County, 1 mi (1.6 km) southwest of Ashland, 1.6 mi (2.6 km) downstream from West Hollow Brook, and 4.5 mi (7.2 km) upstream from mouth.	62.1	1955 1960 1967-70 1972 1974	12-21-73	8.91	8,700
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 south of Knox, and 1.7 miles upstream from mouth.	6.91	1963-64, 1966, 1969-74	12-21-73	5.56	770
01351000	Fox Creek at West Berne, N. Y.	Lat 42°37'42", long 74°11'08", Albany County, on right bank 200 ft upstream from highway bridge at West Berne, 1.8 miles downstream from Switz Kill, and 3.5 miles southeast of Gallupville.	73.0	1925-32# 1963-68# 1969-74	12-21-73	8.74	6,400
01351300	Cobleskill Creek at Cobleskill, N.Y.	Lat 42°40'51", long 74°27'56", Schoharie County, at bridge on State Highway 7, 1.0 mi (1.6 km) east of Cobleskill.	118	1963-65 1974	7- 3-74	11.10	5,400
01354200	Sandsea Kill at Pattersonville, N. Y.	Lat 42°53'20", long 74°04'42", Schenectady County, at bridge on State Highway 5S at Pattersonville.	9.56	1960 1965 1971-72 1974	7- 3-74	2.99	312
01354300	Plotter Kill at Rynex Corners,	Lat 42°49'16", long 74°04'20", Schenectady County, at bridge on State Highway 159, at Rynex Corners.	3.70	1958, 1960-68, 1970-74	7- 3-74	4.87	290
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	7- 3-74	15.58	54
01361900	Shingle Kill at Cairo, N. Y.	Lat 42°18'22", long 74°00'15", Greene County, at bridge on town road at Cairo, about 100 ft east of State Highway 32, and 0.8 mile upstream from mouth.	13.9	1953, 1960, 1967-74	7- 3-74	4.92	354
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 miles south of Hillsdale.	27.5	1958-60# 1963-64 1968-74	12-21-73	7.37	1,980
01364400	Plattekill Creek at Mount Marion, N. Y.	Lat 42°02'24", long 73°59'57", Ulster County, on downstream left wingwall of bridge on town road just off Glasco Turnpike, 0.6 mile west of Mt. Marion, and 2.6 miles upstream from mouth.	36.6	1962-64, 1968-74	12-21-73	4.06	+
01366750	Beer Kill at Ellenville, N.Y.	Lat 41°43'20", long 74°24'07", Ulster County, at bridge on Cape Road, at Ellenville. Prior to 1974 at different datum.	43.3	1962-71 1974	8-18-74	24.27	+
01366950	Coxing Kill near High Falls, N. Y.	Lat 41°49'54", long 74°06'38", Ulster County, on bridge on Coxing Kill Road off State Highway 213, 1.0 mile east of High Falls.	12.6	1962-64 1966, 1968-74	12-21-73	5.77	+
01368495	Indigot Creek Tributary near Mount Hope, N.Y.	Lat 41°25'16", long 74°31'08", Orange County, at bridge on town road, 1.3 mi (2.1 km) upstream from mouth, and 1.6 mi (2.6 km) south of Mount Hope.	5.78	1973- 12-21-73	6-30-73 12-21-73	5.75 5.97	2,300 3,000
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 mile downstream from Wickham Lake, and 2.5 miles northeast of Warwick.	5.15	1971-74	12-21-73	16.33	90
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 miles upstream from mouth.	11.8	1971-74	4-15-74	15.02	120
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 mile upstream from Double Kill.	45.0	1971-74	12-21-73	15.49	980

Annual maximum discharge at crest-stage partial-record stations during water year 1974--Continued

						Annual maximum	
Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Date	Gage height (feet)	Dis-charge (cfs)
Hudson River basin--Continued							
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	12-21-73	11.14	460
01372040	Crum Elbow Creek at Hyde Park, N. Y.	Lat 41°47'24", long 73°55'53", Dutchess County, at bridge on Hyde Park-East Park Road, at Hyde Park, and 0.3 mile east of U.S. Highway 9.	18.6	1959-62# 1963-74	12-21-73	5.60	+
01374460	South Branch Minis-ongo Creek at Letchworth Village, N. Y.	Lat 41°12'15", long 74°01'54", Rockland County, 200 ft downstream from Letchworth Village road and pond, and 1,000 ft downstream from Palisades Interstate Parkway, at Letchworth Village.	5.83	1960-74	12-21-73	3.87	241
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 mile east of Zukov Road, 0.8 mile upstream from mouth, and 1.1 miles north of New City.	2.39	1972-74	6-22-72 5-13-74	5.74 5.06	b480 305
Hackensack River basin							
01376600	Hackensack River at Brookside Park, N. Y.	Lat 41°10'18", long 73°58'24", Rockland County, at Brookside Park, 900 ft upstream from State Highway 304, 1,300 ft upstream from DeForest Lake, 0.8 mile downstream from unnamed tributary, and 1.2 miles from Lake Lucille.	13.2	1959-63# 1967-74	12-21-73	7.38	1,350
01376690	East Branch Hackensack River near Congers, N. Y.	Lat 41°07'32", long 73°57'24", Rockland County, about 0.1 mile downstream from small pond, half a mile upstream from DeForest Lake, and 2 miles south of Congers.	6.86	1960, 1968-69 1971-74	5-13-74	8.57	58
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 mile east of Spring Valley.	2.13	1972-74	6-22-72 12-21-73	4.42 3.98	b440 360
01377200	Pascack Brook Tributary at Spring Valley, N. Y.	Lat 41°06'15", long 74°01'57", Rockland County, 100 ft upstream from mouth, 150 ft downstream from bridge on Pascack Road at Spring Valley.	4.58	1960-62# 1963-74	12-21-73	4.65	269
Passaic River basin							
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 downstream from tributary, 100 ft upstream from State Highway 17, half a mile upstream from mouth, 1.1 miles downstream from Cranberry Pond Outlet, at Sloatsburg.	5.35	1960-74	12-21-73	7.55	233
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 a mile east of Ramapo.	2.62	1960, 1962-74	12-21-73	8.12	+
Delaware River basin							
01418500	Beaver Kill at Craigie Clair, N.Y.	Lat 41°57'45", long 74°52'00", Sullivan County, on left bank 100 ft downstream from highway bridge at Craigie Clair, 2.5 miles upstream from Spring Brook, and 2.5 miles northeast of Rockland.	82	1937-68# 1971-74	12-21-73	9.13	6,430
01419500	Willowemoc Creek near Livingston Manor, N. Y.	Lat 41°54'12", long 74°48'47", Sullivan County, on right bank, 0.4 mile upstream from State Highway 17 interchange 96 at Livingston Manor, and 1.1 miles upstream from Little Beaver Kill.	63	1938-70# 1971-74	12-21-73	7.03	6,140
01422000	West Branch Delaware River at Delhi, N. Y.	Lat 42°16'15", long 74°55'06", Delaware County, on left bank 300 ft downstream from Steele Brook, 0.3 mile downstream from bridge on State Highway 28 in Delhi, and 1 mile upstream from Little Delaware River.	142	1937-70# 1972-74	12-21-73	7.82	6,070

Annual maximum discharge at crest-stage partial-record stations during water year 1974--Continued

						Annual maximum	
Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Date	Gage height (feet)	Dis-charge (cfs)
Delaware River basin--Continued							
01422500	Little Delaware River near Delhi, N. Y.	Lat 42°15'10", long 74°54'10", Delaware County, on left bank 15 ft downstream from highway bridge, a quarter of a mile downstream from Toll Gate Brook, 1-1/2 miles upstream from mouth, and 2 miles south of Delhi.	49.8	1938-68# 1971-74	7-30-74	7.05	3,260
Susquehanna River basin							
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 mile south of Richfield Springs, and 1.0 mile upstream from mouth.	10.4	1969-74	12-27-73	4.04	346
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	1963-74	12-21-73	6.29	820
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 1967-74	4- 4-74	7.24	820
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# 1971-72 1974	12-27-73	14.95	12,800
01511500	Tioughnioga River at Itaska, N. Y.	Lat 42°17'55", long 75°54'30", Broome County, on right bank at Itaska, 3.8 miles downstream from Otselic River and village of Whitney Point and 6 miles upstream from mouth.	730	1929-67# 1968-74	4- 5-74	8.04	10,600
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# 1968-72 1974	12-28-73	18.24	40,000
01513790	Nanticoke Creek at Union Center, N. Y.	Lat 42°08'56", long 76°04'00", Broome County, at bridge on County Highway 43 at Union Center, 0.3 mile upstream from Bradley Creek. Datum of gage 858.41 ft above mean sea level. Prior to Apr. 4, 1964 the datum was 856.91 ft above mean sea level.	89.7	1956, 1963-64, 1966-68, 1970-74	4- 4-74	9.44	2,380
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	4-15-74	11.26	5,910
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# 1970-74	4- 3-74	8.15	2,600
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 mile upstream from Mansfield Creek, and 1.7 miles northeast of Otto.	25.	1963-74	4- 2-74	5.51	1,150
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 miles southwest of Angola, and 1.6 miles upstream from mouth.	8.15	1963-74	3- 5-74	3.01	201
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 miles downstream from mouth of Irish Gulf, and 2-3/4 miles southeast of Hamburg.	37.2	1963-68# 1971-74	3- 5-74	7.85	2,410
04214250	Smoke Creek at Lackawanna, N. Y.	Lat 42°49'21", long 78°48'10", Erie County, at bridge on Abbott Road, at Lackawanna.	14.6	1955, 1963-68 1970-74	3- 5-74	3.85	550

Annual maximum discharge at crest-stage partial-record stations during water year 1974--Continued

						Annual maximum	
Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Date	Gage height (feet)	Dis-charge (cfs)
Streams tributary to Lake Erie--Continued							
04214260	South Branch Smoke Creek at 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, 1967-74	3- 5-74	4.56	340
04214400	Buffalo Creek near Wales Hollow, N. Y.	Lat 42°44'54", long 78°30'31", Erie County, on right bank 80 ft downstream from bridge on Marlou Road, 1.1 miles northwest of Wales Hollow, and 1.8 miles upstream from Hunter Creek.	80.1	1963-68# 1970-74	3- 5-74	9.80	6,200
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 east of Colegrave, and 3.5 miles upstream from mouth.	14.0	1964-74	3- 5-74	4.80	680
Niagara River basin							
04216400	Tonawanda Creek near Johnsonburg, N. Y.	Lat 42°43'05", long 78°19'18", Wyoming County, on State Highway 98 near Johnsonburg, and 0.6 mile downstream from East Fork.	23.6	1962-74	3- 5-74	6.83	610
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	3- 5-74	8.58	a 1200
04222600	Wiscony Creek at Bliss, N. Y.	Lat 42°34'59", long 78°14'16", Wyoming County, at bridge on county road, 0.1 mile north of State Highway 39, and 0.6 mile east of Bliss.	21.8	1962-65, 1967-74	4-02-74	2.84	778
04224900	Mill Creek at Patchinville, N. Y.	Lat 42°31'13", long 77°35'06", Steuben County, at bridge on Ellinger Road, 0.1 mile east of State Highway 21, 0.8 mile south of Patchinville, 3.3 miles south of Wayland, and 9.1 miles upstream from mouth.	5.00	1964-74	5-17-74	1.78	130
04232406	Hector Falls Creek at Burdett, N. Y.	Lat 42°25'21", long 76°49'58", Schuyler County, at bridge on State Highways 79 and 227, 0.2 mile east of village line of Burdett, and 2.4 miles upstream from mouth.	11.8	1971-74	4- 5-74	2.84	a 460
04232460	Sugar Creek at Guyanoga, N. Y.	Lat 42°37'23", long 77°09'30", Yates County, at bridge on Sid White Road, 0.4 mile east of Guyanoga, and 2.3 miles upstream from mouth.	28.9	1966-74	4- 4- 74	2.38	280
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 miles north of MacDougall, 3.5 miles southwest of Waterloo, and 4.6 miles upstream from mouth.	13.8	1965-68# 1969-74	4- 4-74	4.30	280
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	7- 3-74	4.82	+
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 mile north of village of Constantia.	38.4	1966-68# 1969 1971-74	7- 3-74	7.68	+
04249050	Catfish Creek at New Haven, N. Y.	Lat 43°29'00", long 76°19'34", Oswego County, at bridge on State Highway 104B, at New Haven, and 1.4 miles upstream from mouth.	31.7	1962-66, 1968-74	7- 3-74	5.11	382
St. Lawrence River basin							
04258700	Deer River at Deer River, N. Y.	Lat 44°53'32", long 74°41'28", Lewis County, on left bank 350 ft upstream from bridge on State Highway 26, at Deer River, and 2 miles upstream from mouth.	98.1	1957-68# 1969-74	4- 4-74	6.35	7,300

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Annual maximum discharge at crest-stage partial-record stations during water year 1974--Continued

						Annual maximum	
Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Date	Gage height (feet)	Dis-charge (cfs)
St. Lawrence River basin--Continued							
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 mile south of Waddington, and 3.9 miles up-stream from mouth.	19.9	1959-60# 1961-69 1971-74	4- 5-74	5.59	+
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 miles southeast of Waddington, and 4.4 miles upstream from mouth.	27.0	1959-63# 1964-69, 1971-74	4- 5-74	6.18	305
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 miles up-stream from confluence with South Branch, and 1.9 miles south of Clare.	63.6	1959-60# 1961-68, 1971-74	4- 5-74	all.87	+
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 miles south of Hermon, and 6.8 miles upstream from confluence with Tanner Creek.	33.0	1958-68# 1969-74	4- 5-74	a 9.07	+
04265300	Little River near Canton, N. Y.	Lat 44°34'24", long 75°06'56", St. Lawrence County, at old dam 50 ft downstream from high-way, at Brick Chapel, 4.0 miles southeast of Canton, and 7.4 miles upstream from mouth.	42.4	1959-60# 1961-69 1971-74	4- 5-74	a 8.32	+
04267600	Cold Brook near South Colton, N. Y.	Lat 44°29'39", long 74°52'11", St. Lawrence County, at bridge on State Highway 56, 1.5 miles south of South Colton, and 1.6 miles upstream from mouth.	19.0	1961-64# 1967-74	4- 5-74	5.00	+
04267700	Parkhurst Brook near Potsdam, N. Y.	Lat 44°39'11", long 74°58'15", St. Lawrence County, at bridge on State Highways 56 and 72, 0.3 mile upstream from mouth, and 1.2 miles southeast of Campus of State University of New York, College of Education at Potsdam.	17.8	1958-63# 1964-74	1-23-73 4- 5-74	5.82 7.55	^b 520 1,200
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 miles southwest of Norfolk.	56.2	1958-63# 1964-65, 1967-74	4- 5-74	7.66	3,940
04268200	Plum Brook at Grantville, N. Y.	Lat 44°52'45", long 74°54'52", St. Lawrence County, at bridge on Grant Road, 0.7 mile downstream from unnamed tributary, 1.1 miles upstream from mouth, 1.4 miles north of Grant-ville, and 2.3 miles southwest of Massena city limits.	37.6	1958-63# 1964, 1966-68, 1971-74	4- 5-74	7.57	1,410
04268720	Hopkinton Brook at Hopkinton, N. Y.	Lat 44°40'59", long 74°42'03", St. Lawrence County, at bridge on town road, 0.4 mile up-stream from unnamed tributary, 0.6 mile south of Hopkinton, and 2.0 miles upstream from mouth.	18.5	1961-62# 1964-69, 1971-74	4- 5-74	3.49	736
04268800	West Branch St. Regis River near Parish-ville, N. Y.	Lat 44°35'52", long 74°44'19", St. Lawrence County, on right bank, 25 ft upstream from highway bridge, 4.1 miles downstream from Mud Pond Outlet, 4.2 miles southeast of Parish-ville, and 4.8 miles upstream from Niagara Mohawk Power Corp. dam.	172	1959-68# 1969 1971 1974	4- 5-74	4.63	2,490
04268900	Trout Brook at Stockholm Center, N. Y.	Lat 44°46'16", long 74°48'47", St. Lawrence County, at highway bridge, 0.7 mile upstream from mouth, and 1.0 mile northeast of Stockholm Center.	44.9	1959-60# 1961-67, 1970-74	4- 5-74	5.46	+
04269050	Allen Brook near Brasher Falls, N. Y.	Lat 44°48'07", long 74°43'40", St. Lawrence County, at bridge on U.S. Highway 11, 0.8 mile upstream from mouth, and 2.2 miles east of Brasher Falls.	16.0	1961-66# 1967-74	4- 5-74	3.90	360
04269100	Lawrence Brook near Moira, N. Y.	Lat 44°50'22", long 74°35'46", Franklin County, at highway bridge, 2.4 miles northwest of Moira, and 5.4 miles upstream from mouth.	28.0	1959-60# 1961-74	4- 5-74	6.86	+

Annual maximum discharge at crest-stage partial-record stations during water year 1974--Continued

						Annual maximum	
Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Date	Gage height (feet)	Dis-charge (cfs)
St. Lawrence River basin--Continued							
04269500	Deer River at Brasher Iron Works, N. Y.	Lat 44°53'32", long 74°41'28", St. Lawrence County, on left bank, 400 ft upstream from highway bridge at Brasher Iron Works, 2.6 miles southeast of Helena, 3.6 miles upstream from mouth, and 3.8 miles downstream from Lawrence Brook.	189	1913-16# 1959-68# 1969 1971-74	4- 5-74	10.12	+
04270100	West Branch Deer Creek at Fort Covington, N. Y.	Lat 44°56'49", long 74°28'49", Franklin County, at bridge on county highway, 0.8 mile west of Fort Covington Center, 2.1 miles upstream from East Branch, and 3.1 miles south of Fort Covington.	31.4	1962-74	4- 5-73	8.23	2,050
04270150	East Branch Deer Creek at Fort Covington Center, N.Y.	Lat 44°56'52", long 74°27'51", Franklin County, at highway bridge at Fort Covington Center, 1.9 miles upstream from mouth, and 3.2 miles south of Fort Covington.	23.1	1961-62# 1963-74	4- 5-74	6.34	735
04270700	Trout River at Trout River, N. Y.	Lat 44°59'23", long 74°17'56", Franklin County, at county highway bridge, 0.2 mile east of State Highway 30, at Trout River, 0.5 mile upstream from international boundary, 1.5 miles downstream from unnamed tributary, and 3.3 miles downstream from Little Trout River.	107	1960-66# 1967-74	4- 5-74	9.10	+
04270800	English River near Mooers Forks, N. Y.	Lat 44°58'32", long 73°39'49", Clinton County, on right bank at downstream side of highway bridge, 1.6 miles upstream from unnamed tributary, 1.7 miles northwest of Mooers Forks, and 2.5 miles upstream from international boundary.	40.8	1960-68# 1969 1971-74	3-15-74	6.97	+
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 mile west of State Highway 22, and 3.9 miles upstream from mouth.	61.9	1960-68# 1969 1971-74	3- 5-74	5.60	1,600

Operated as continuous-record gaging station

* Also a low-flow partial record station

+ Discharge not determined

a Approximate

b Revised

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 1974.

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Date	Measurements Discharge (cfs)
Hudson River basin						
01316320 Horseshoe Pond Brook	Schroon Lake	Lat 43°49'44", long 73°46'21", Essex County, at culvert on U.S. Highway 9, 0.2 mile (0.3 km) upstream from mouth and 0.8 mile (1.3 km) south of Schroon Lake.	-	1973	10- 9-73	.58
01316420 Mill Brook	Schroon Lake	Lat 43°45'45", long 73°45'14", Warren County, at culvert on Valentine Street in Adirondack, and 0.5 mile (0.8 km) upstream from mouth.	-	1973	10- 9-73	4.3
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 mile (0.3 km) upstream from mouth and 1.0 mile (1.6 km) northeast of Fourth Lake.			8-15-74	*1.6
01318472 Fourth Lake Inlet	Fourth Lake	Lat 43°21'33", long 73°48'49", Warren County, at culverts in State campsite, 0.4 mile (0.6 km) upstream from mouth, and 0.9 mile (1.4 km) northeast of Fourth Lake.			8-15-74	*4.5
01318485 Second Lake	Lake Luzerne	Lat 43°20'21", long 73°49'45", Warren County, at bridge on Towner Road, 0.9 mile (1.4 km) upstream from mouth, and 1.7 miles (2.7 km) north of Lake Luzerne.			8-15-74	*6.2
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 mile (0.3 km) upstream from mouth.			8-15-74	*6.0
01321500 West Stony Creek	Sacandaga River	Lat 43°15'10", long 74°13'30", Hamilton County, at bridge on State Route 30, 1,000 feet (305 m) upstream from mouth, and 3.0 miles (4.8 km) northwest of Northville.	88.0	1934-37† 1973	10- 5-73	22
01322010 East Stony Creek	Great Sacandaga Lake	Lat 43°15'43", long 74°12'25", Hamilton County, at bridge on County Route 15, 0.5 mile (0.8 km) upstream from mouth, and 3.0 miles (4.8 km) north of Northville.	-	1973	9- 4-74	28
01323310 Beecher Creek	Great Sacandaga Lake	Lat 43°13'16", long 74°06'15", Fulton County, at bridge on Military Road in Edinburg, and 0.3 mile (0.5 km) upstream from mouth.	-	1973	10- 5-73	6.1
01323330 Sand Creek	Great Sacandaga Lake	Lat 43°16'15", long 74°03'39", Saratoga County, at bridge on North Shore Road and 0.5 mile (0.8 km) west of West Day, about 4.5 miles (7.2 km) northeast of Edinburg.	-	1973	10- 3-73	7.3
01323350 Paul Creek	Great Sacandaga Lake	Lat 43°18'40", long 74°00'44", Saratoga County, at bridge on North Shore Road, in Day Center, 0.2 mile (0.3 km) upstream from mouth and about 8.3 miles (13.4 km) northeast of Edinburg.	20.5	1973	10- 3-73	14
01323400 Daly Creek	Great Sacandaga Lake	Lat 43°16'58", long 73°57'45", Saratoga County, at bridge on South Shore Road and 1.0 mile (1.6 km) southwest of Overlook.	-	1973	10- 3-73	5.2
01328450 Hudson River Tributary #10	Hudson River	Lat 43°14'46", long 73°35'53", Saratoga County, at culvert on River Road, 50 feet (15 m) upstream from mouth, 0.9 mile (1.4 km) south of Delaware and Hudson Railroad, and 1.7 miles (2.7 km) south of Fort Edward.			8-16-74	a 0
01328470 Hudson River Tributary #11	Hudson River	Lat 43°13'54", long 73°35'43", Saratoga County, at bridge on River Road, 100 feet (30 m) upstream from mouth, 0.1 mile (0.2 km) north of Clark Road, and 2.6 miles (4.2 km) southwest of Fort Edward.			8-16-74	a 0

† Operated as a continuous-record gaging station.

* Base flow.

a A general ephemeral study made on August 16 of all stream channels in a localized area.

Discharge measurements made at miscellaneous sites during water year 1974--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Hudson River basin--Continued						
01328675 Snook Kill	Hudson River	Lat 43°13'50", long 73°35'37", Saratoga County, at bridge on River Road, 50 feet (15 m) north of Clark Road, 100 feet (30 m) upstream from mouth, and 2.7 miles (4.3 km) southwest of Fort Edward.			8-16-74	a 0
01328677 Hudson River Tributary #12	Hudson River	Lat 43°13'12", long 73°35'05", Saratoga County, at bridge on River Road, 100 feet (30 m) upstream from mouth, 0.3 mile (0.5 km) north of Mott Road, and 2.9 miles (4.7 km) northeast of Jewell Corner.			8-16-74	a b
01328679 Hudson River Tributary #13	Hudson River	Lat 43°12'21", long 73°35'11", Saratoga County, at bridge on River Road, 100 feet (30 m) upstream from mouth, 0.8 mile (1.3 km) south of Mott Road, and 2.2 miles (3.5 km) northeast of Jewell Corner.			8-16-74	a 0
01328720 Hudson River Tributary #14	Hudson River	Lat 43°11'41", long 73°35'14", Saratoga County, at bridge on River Road, 40 feet, (12 m) upstream from mouth, 0.2 mile (0.3 km) north of Peters Road, and 1.7 miles (217 km) east of Jewell Corner.			8-16-74	a 0
01328725 Hudson River Tributary #15	Hudson River	Lat 43°10'47", long 73°35'10", Saratoga County, at culvert on River Road, 20 feet (6 m) south of Purinton Road, and 1.4 miles (2.2 km) northeast of Fort Miller.			8-16-74	a 0
01328727 Hudson River Tributary #16	Hudson River	Lat 43°10'30', long 73°35'23", Saratoga County, at bridge on River Road, 0.1 mile (0.2 km) upstream from mouth, 0.4 mile (0.6 km) south of Purinton Road, and 1.1 miles (1.8 km) northwest of Fort Miller.			8-16-74	a 0
01328750 Tuttle Brook	Hudson River	Lat 43°09'47", long 73°35'25", Saratoga County, at bridge on River Road 0.25 mile (0.4 km) upstream from mouth, 4.2 miles (6.8 km) north of Schuylerville.	3.78	1967	8-16-74	a .12
01328758 Pecks Creek	Hudson River	Lat 43°09'09", long 73°35'24", Washington County, at culvert on River Road, 0.5 mile (0.8 km) upstream from mouth, 0.9 mile (1.4 km) southwest of Fort Miller.			8-16-74	a 0
01328769 Hudson River Tributary #17	Hudson River	Lat 43°07'48", long 73°35'30", Saratoga County, at culvert on State Highway 32, 100 feet (30 m) upstream from mouth, 0.2 mile (0.3 km) northwest of U.S. Highway 4, and 0.3 mile (0.5 km) northwest of Northumberland.			8-16-74	a 0
01328773 Hudson River Tributary #18	Hudson River	Lat 43°07'29", long 73°35'18", Saratoga County, at bridge on U.S. Highway 4 in Northumberland, 50 feet (15 m) upstream from mouth, and 0.2 mile (0.3 km) west of Thomson.			8-16-74	a 0
01328775 Hudson River (Champlain Canal section) Tributary #19	Hudson River	Lat 43°07'05", long 73°35'07", Saratoga County, at bridge on U.S. Highway 4, 0.1 mile (0.2 km) upstream from mouth, and 0.5 mile (0.8 km) south of Northumberland, N.Y.			8-16-74	a 0
01330770 Kayaderosseras Creek	Saratoga Lake	Lat 43°02'37", long 73°46'16", Saratoga County, at bridge on Nelson Avenue, 200 feet (61 m) south of Kaydeross Avenue in Saratoga Springs, and 200 feet (61 m) upstream from Bear Swamp Outlet.	-	1973	10- 5-73	60
01330820 Spring Run	Lake Lonely	Lat 43°04'12", long 73°44'42", Saratoga County, at bridge on State Highway 9P, 0.4 mile (0.6 km) west of Gilbert Corners, 0.8 mile (1.3 km) upstream from mouth, and 2 miles (3.2 km) east of Saratoga Springs.	-	1970-71	10- 5-73	9.4
01330905 Fish Creek	Hudson River	Lat 43°06'24", long 73°37'02", Saratoga County, at bridge on State Highway 29, in Grangerville 0.2 mile (0.3 km) east of DeGarmo Road and 2.9 miles (4.7 km) upstream from mouth.	-	1973	10- 5-73	34

a A general ephemeral study made on August 16 of all stream
channels in a localized area.

b Ponded.

Discharge measurements made at miscellaneous sites during water year 1974--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Hudson River basin--Continued						
01330914 Fish Creek	Hudson River	Lat 43°05'46", long 73°34'39", Saratoga County, at bridge on U.S. Highway 4, in Schuylerville, 250 feet (76 m) south of State Highway 32, and 0.3 mile (0.5 km) upstream from mouth.			8-16-74	a 16
01330918 Hudson River Tributary #20	Hudson River	Lat 43°05'09", long 73°35'02", Saratoga County, at bridge on U.S. Highway 4, 0.6 mile (1.0 km) east of Victory Mills, and 1.0 mile (1.6 km) south of State Highway 32.			8-16-74	a 0
01330921 Hudson River Tributary #21	Hudson River	Lat 43°04'25", long 73°35'07", Saratoga County, at bridge on U.S. Highway 4, 0.1 mile (0.2 km) upstream from mouth, 0.8 mile (1.3 km) north of Haas Road, and 0.9 mile (1.4 km) northeast of Coveville.			8-16-74	a 0
01330926 The Cove Tributary	Hudson River	Lat 43°03'42", long 73°35'37", Saratoga County, at bridge on U.S. Highway 4, 0.2 mile (0.3 km) north of Coveville, and 0.2 mile (0.3 km) upstream from mouth on The Cove.			8-16-74	a .20
01330928 The Cove Tributary #2	Hudson River	Lat 43°03'39", long 73°35'41", Saratoga County, at culvert on U.S. Highway 4, and 0.3 mile (0.5 km) south of Haas Road.			8-16-74	a 0
01330932 The Cove Tributary #3	Hudson River	Lat 43°03'19", long 73°35'45", Saratoga County, at bridge on U.S. Highway 4, 0.1 mile (0.2 km) upstream from mouth on The Cove, 0.4 mile (0.6 km) south of Coveville, and 1.3 miles (2.1 km) north of Hanehan Road.			8-16-74	a 0
01330942 Hudson River Tributary #22	Hudson River	Lat 43°02'39", long 73°35'33", Saratoga County, at bridge on U.S. Highway 4, 0.4 mile (0.6 km) north of Hanehan Road, and 1.1 miles (1.8 km) south of Coveville.			8-16-74	a 0
01330945 Hudson River Tributary #23	Hudson River	Lat 43°02'16", long 73°35'36", Saratoga County, at bridge on U.S. Highway 4, 50 feet (15 m) south of Hanehan Road, 0.1 mile (0.2 km) upstream from mouth, and 1.6 miles (2.6 km) south of Coveville.			8-16-74	a .15
01330950 Hudson River Tributary #24	Hudson River	Lat 43°01'53", long 73°35'38", Saratoga County, at bridge on U.S. Highway 4, 100 feet (30 m) upstream from mouth, 100 feet (30 m) north of River Road, and 2.0 miles (3.2 km) south of Coveville.			8-16-74	a e 0.01
01330960 Hudson River Tributary #25	Hudson River	Lat 43°01'19", long 73°35'47", Saratoga County, at bridge on U.S. Highway 4, 0.2 mile (0.3 km) upstream from mouth, 0.2 mile (0.3 km) north of Wilbur Road, and 2.5 miles (4.0 km) west of North Easton.			8-16-74	a .16
01330967 Hudson River Tributary #26	Hudson River	Lat 43°00'54", long 73°35'54", Saratoga County, at culvert on U.S. Highway 4, 0.1 mile (0.2 km) south of Wilbur Road, 1.2 miles (1.9 km) north of entrance to Saratoga National Historical Park, and 2.4 miles (3.9 km) northwest of North Easton.			8-16-74	a 0
01330980 Kroma Kill	Hudson River	Lat 43°59'55", long 73°36'39", Saratoga County, at bridge on U.S. Highway 4, 0.1 mile (0.2 km) upstream from mouth, and 2.2 miles (3.5 km) southeast of Bemis Heights.			8-16-74	a 0.54
01330995 Mill Creek	Hudson River	Lat 43°59'02", long 73°37'18", Saratoga County, at bridge on U.S. Highway 4, 0.6 mile (1.0 km) upstream from mouth, and 1.0 mile (1.6 km) northeast of Bemis Heights.			8-16-74	a 0
01331100 Schuyler Creek	Hudson River	Lat 42°56'15", long 73°45'00", Saratoga County, at bridge on U.S. Highway 4, 200 feet (61 m) upstream from mouth, and 0.2 mile (0.3 km) south of State Highway 67.			8-16-74	a e 0.15

a A general ephemeral study made on August 16 of all stream
channels in a localized area.

e Estimated.

Discharge measurements made at miscellaneous sites during water year 1974--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Hudson River basin--Continued						
01335490 Hudson River Tributary #28	Hudson River	Lat 42°54'57", long 73°40'46", Saratoga County, at bridge on U.S. Highway 4, in Riverside, 100 feet (30 m) upstream from mouth, and 0.3 mile (0.5 km) northeast of Mechanicville.			8-16-74	a 0
01335639 Ballston Creek	Round Lake	Lat 42°56'29", long 73°47'26", Saratoga County, at bridge on Goldfoot Road in Round Lake 0.3 mile (0.5 km) upstream from mouth.	17.8	1973	10- 9-73	1.99
01335651 Luther Brook	Round Lake	Lat 42°56'41", long 73°47'04", Saratoga County, at culvert on Maltaville Road in Maltaville, and 0.3 mile (0.5 km) upstream from mouth.	3.89	1973	10- 9-73	3.0
01335653 Round Lake Tributary #1	Round Lake	Lat 42°55'57", long 73°47'28", Saratoga County, at culvert on U.S. Highway 9, in Round Lake 0.1 mile (0.2 km) upstream from mouth.	.60	1973	10- 9-73	T
01335657 Round Lake Tributary #2	Round Lake	Lat 42°55'43", long 73°47'30", Saratoga County, at culvert on U.S. Highway 9, 0.2 mile (0.3 km) upstream from mouth, and 0.7 mile (1.1 km) south of Round Lake.	2.19	1973	10- 9-73	.40
01335660 Round Lake Tributary #3	Round Lake	Lat 42°56'15", long 73°46'15", Saratoga County, at culvert on State Highway 67, 0.2 mile (0.3 km) upstream from mouth, and 0.8 mile (1.3 km) southeast of Maltaville.	.87	1973	10- 9-73	T
01335698 Anthony Kill	Hudson River	Lat 42°53'13", long 73°44'50", Saratoga County, at Coons, at bridge on Coons crossing road, 0.2 mile (0.3 km) south of State Highway 67, and 2.5 miles (5.6 km) west of Mechanicville, and 4.2 miles (6.8 km) upstream from mouth.	64.6	1973	10- 9-73	15
01335703 Anthony Kill	Hudson River	Lat 42°54'13", long 73°41'10", Saratoga County, at bridge on U.S. Highway 4, 0.1 mile (0.2 km) upstream from mouth, and 0.3 mile (0.5 km) south of State Highway 67.			8-16-74	a 11.5
01335707 Hudson River Tributary #29	Hudson River	Lat 42°53'13", long 73°41'14", Saratoga County, at bridge on U.S. Highway 4, at Mechanicville city line, 0.3 mile (0.5 km) upstream from mouth, and 1.4 miles (2.2 km) south of State Highway 67.			8-16-74	a 0.25
01335709 Hudson River Tributary #30	Hudson River	Lat 42°53'06", long 73°41'09", Saratoga County, at culvert on U.S. Highway 4, 300 feet (91 m) upstream from mouth, 0.2 mile (0.3 km) south of Mechanicville, and 1.7 miles (2.7 km) south of Mechanicville.			8-16-74	a 0
01335712 Hudson River Tributary #31	Hudson River	Lat 42°52'47", long 73°41'01", Saratoga County, at bridge on U.S. Highway 4, 0.1 mile (0.2 km) upstream from mouth, 0.6 mile (1.0 km) south of Mechanicville, and 2.1 miles (3.4 km) south of State Highway 67.			8-16-74	a 0.17
01335720 Hudson River Tributary #32	Hudson River	Lat 42°51'47", long 73°40'42", Saratoga County, at bridge on U.S. Highway 4, 250 feet (76 m) upstream from mouth, and 2.4 miles (3.9 km) southeast of Newtown.			8-16-74	a e 0.15
01335730 McDonald Creek	Hudson River	Lat 42°51'07", long 73°40'37", Saratoga County, at bridge on U.S. Highway 4, 0.1 mile (0.2 km) upstream from mouth, and 2.7 miles (4.3 km) southeast of Newton.			8-16-74	a 1.8
01335740 Hudson River Tributary #33	Hudson River	Lat 42°50'22", long 73°40'30", Saratoga County, at bridge on U.S. Highway 4, 0.1 mile (0.2 km) upstream from mouth, and 2.5 miles (4.0 km) west of Melrose.			8-16-74	a 0.76
01335744 Hudson River Tributary #34	Hudson River	Lat 42°50'04", long 73°40'12", Saratoga County, at bridge on U.S. Highway 4, 400 feet (122 m) upstream from mouth, 2.2 miles (3.5 km) west of Grant Hollow, and 2.6 miles (4.2 km) north- east of Waterford.			8-16-74	a e 0.5

a A general ephemeral study made on August 16 of all stream
channels in a localized area.

e Estimated.

T Trace.

Discharge measurements made at miscellaneous sites during water year 1974--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Hudson River basin--Continued						
01335760 Hudson River Tributary #35	Hudson River	Lat 42°49'00", long 73°39'57", Saratoga County, at culvert on U.S. Highway 4, 40 feet (12 m) south of School House Road, 0.2 mile (0.3 km) upstream from mouth, and 1.4 miles (2.3 km) northeast of Waterford.			8-16-74	a e 0.3
01339475 Nail Creek	Mohawk River	Lat 43°04'35", long 75°16'00", Oneida County, 350 feet (107 m) downstream from Oneida Street in Utica, and 0.2 mile (0.3 km) southwest of Proctor Blvd.	0.56		7- 3-74	370
01346820 Mohawk River Tributary	Mohawk River	Lat 43°00'34", long 74°47'47", Montgomery County, at culvert on State Highway 5-S, 0.4 mile (0.6 km) west of Indian Castle, and 0.4 mile (0.6 km) upstream from mouth.	1.37		7-3-74	74
01349070 Mohawk River Tributary #2	Mohawk River	Lat 42°54'38", long 74°35'55", Montgomery County, at culvert on State Highway 5-S, 0.1 mile (0.2 km) upstream from mouth, and 1.4 miles (2.3 km) west of State Highway 10.	2.91		7-3-74	315
01349080 Brimstone Creek	Mohawk River	Lat 42°49'20", long 74°35'40", Montgomery County, at bridge on State Highway 10, 0.2 mile (0.3 km) north of county line, 1.2 miles (1.9 km) south of Ames, and 2.4 miles (3.9 km) upstream from mouth.	7.61		7- 3-74	1,580
01349355 Van Wie Creek	Mohawk River	Lat 42°55'25", long 74°25'12", Montgomery County, at bridge on Dillenbeck Road, 150 feet (46 m) south of Borden Road, 0.1 mile (0.2 km) west of State Highway 5-S, 0.4 mile (0.6 km) upstream from mouth, and 1.5 miles (2.4 km) east of Randall.	6.51		7- 3-74	628
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 mile (0.5 km) south of Argisinger Road, and 0.9 mile (1.4 km) southwest of Randall.	1.03		7- 3-74	128
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 miles (9.2 km) north- west of Rensselaerville.	3.52	1970 1973	8- 9-74	*.38
01351000 Fox Creek	Schoharie Creek	Lat 42°37'42", long 74°11'08", Albany County, 200 ft (61 m) upstream from highway bridge at West Berne, 1.8 miles (2.9 km) downstream from Switz Kill, and 3.5 miles (5.6 km) south- east of Gallupville.	73.0	1924-32# 1962-68# 1973	8- 8-74	*21
01351272 West Creek	Cobleskill Creek	Lat 42°39'46", long 74°30'44", Schoharie County, at bridge on County Highway 10, 0.3 mile (0.5 km) upstream from mouth, and 0.3 mile (0.5 km) northwest of Warnersville.	54.7		7- 3-74	3,300
01356280 Shakers Creek Tributary	Shakers Creek	Lat 42°45'01", long 73°46'54", Albany County, at culvert on Wade Road, 0.75 mile (1.2 km) west of Latham, and about 1.0 mile (1.6 km) upstream from mouth.	2.09	1960, 1963-65, 1970,1973	8-21-74	0
01359060 Horse Heaven Brook	Wynants Kill	Lat 42°38'20", long 73°32'17", Rensselaer County, 100 feet (30 m) downstream from bridge on town road in Sand Lake, 200 feet (61 m) downstream from unnamed tributary, and 1500 feet (457 m) upstream from mouth.			10- 2-73 10- 6-73 10-28-73 11- 4-73 11-13-73 12- 2-73 12- 8-73 12-22-73 12-27-73	T T T .50 .34 .60 2.4 34 48
01359125 Van Rensselaer Creek	Little River	Lat 42°41'03", long 73°44'32", Albany County, on State Highway 377, 1.0 mile (1.6 km) south of junction of State Highways 378 and 377 in Menands.	0.64	1955, 1963-65, 1970,1973	8-21-74	*1.1

Operated as a continuous-record gaging station.

* Base flow.

a A general ephemeral study made on August 16 of all stream
channels in a localized area.

e Estimated.

T Trace.

Discharge measurements made at miscellaneous sites during water year 1974--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Hudson River basin--Continued						
01359270 Indian House Creek	Normans Kill	Lat 42°44'25", long 74°00'51", Albany County, at bridge on Dunnsville Road, 0.1 mile (0.2 km) north of Intersection with U.S. Highway 20 at Dunnsville.	2.83	1963,1970 1973	8- 7-74	T
01359320 Bozen Kill	Normans Kill	Lat 42°42'50", long 74°02'47", Albany County, at bridge on Westfall Road, 1.1 miles (1.8 km) northwest of Altamont.	-	1970 1973	8- 7-74	*2.3
01359325 Black Creek	Normans Kill	Lat 42°40'35", long 73°57'10", Albany County, at bridge on School Rd., 2.1 miles (3.4 km) northwest of Voorheesville.	-	1970- 1973	8- 6-74	*4.0
01359330 Black Creek	Bozen Kill	Lat 42°43'14", long 73°59'44", Albany County, at mouth, 1.9 miles (3.1 km) northwest of Guilderland Center.	19.3	1962-63 1970,1973	8- 7-74	*3.8
01359340 Bozen Kill	Normans Kill	Lat 42°43'21", long 73°59'33", Albany County, at bridge on State Highway 158, 0.7 mile (1.1 km) upstream from Watervliet Reservoir, and 1.9 miles (3.1 km) northwest of Guilderland Center.	51.8	1962-63, 1965, 1970 1973	8- 7-74	*7.5
01359507 Hunger Kill	Normans Kill	Lat 42°43'25", long 73°55'06", Albany County, at culvert on Old State Road, 0.8 mile (1.3 km) upstream from Glass Pond, 1.3 miles (2.1 km) northwest of Guilderland.	3.91	1960,1970 1973	8- 7-74	*5.9
01359517 Blockhouse Creek	Hunger Kill	Lat 42°41'08", long 73°54'05", Albany County, at bridge on State Highway 155, 0.15 mile (0.2 km) upstream from Kaikout Kill, 0.4 mile (0.6 km) upstream from mouth, and 1.4 miles (2.2 km) south of Guilderland.	1.96	1962-67 1970,1973	8- 6-74	*1.9
01359518 Kaikout Kill	Blockhouse Creek	Lat 42°41'20", long 73°54'08", Albany County, at bridge on Foundry Road, 0.2 mile (0.3 km) upstream from mouth, and 1.2 miles (1.9 km) southeast of Guilderland.	1.55	1962-1965, 1970,1973	8- 6-74	*2.1
01359520 Normans Kill	Hudson River	Lat 42°40'02", long 73°53'48", Albany County, at bridge on Normans Kill Road, 0.1 mile (0.2 km) upstream from Vly Creek, and 1.2 miles (1.9 km) northeast of Voorheesville.	-		5-29-74	73
013595205 Vly Creek	Normans Kill	Lat 42°38'56", long 73°56'09", Albany County, at bridge on State Highway 85A at Voorhees- ville.	12.3	1970 1973	8- 2-74	*3.3
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	8-15-74	*2.4
01359539 Normans Kill Tributary	Normans Kill	Lat 42°36'28", long 73°47'42", Albany County, at bridge on Bender Lane, 0.5 mile (0.8 km) north of Bethlehem Center.	1.24	1960,1962, 1970,1973	8- 2-74	* .25
01359550 Normans Kill	Hudson River	Lat 42°37'23", long 73°46'25", Albany County, at bridge on Boice St. at Albany City boundary, 1.6 miles (2.6 km) upstream from upper mouth.	-		5-28-74	65
01359585 Vloman Kill	Hudson River	Lat 42°37'27", long 73°54'16", Albany County, 70 feet downstream from bridge on farm road, and 0.5 mile (0.8 km) south of New Scotland.	2.55	1962-64, 1970,1973	8- 2-74	* .54
01359588 Phillipin Kill	Vloman Kill	Lat 42°36'49", long 73°52'35", Albany County, at bridge on Orchard St., 1.0 mile (1.6 km) northeast of Unionville.		1970 1973	8- 3-74	0
01359590 Phillipin Kill	Vloman Kill	Lat 42°35'24", long 73°50'49", Albany County, at bridge on State Highway 32, 0.7 mile (1.1 km) southwest of Houcks Corners, and 1.8 miles (2.9 km) northeast of Feura Bush.	-	1970,73	8-15-74	*.18
01359592 Vloman Kill	Hudson River	Lat 42°33'54", long 73°49'48", Albany County, at bridge on Jericho Road, 0.25 mile (0.4 km) west of Mallorvs Corners.	17.2	1965-67 1970,1973	8- 2-74	*1.0

T Trace

* Base flow.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements made at miscellaneous sites during water year 1974--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Hudson River basin--Continued						
01359830 Onesquethaw Creek	Coeymans Creek	Lat 42°33'49", long 73°55'44", Albany County, at bridge on State Highway 32, and 1.8 miles (2.9 km) southeast of Clarksville.	17.8	1952,1970 1973	8- 8-74	*1.5
01359904 Feuri Spruyt	Coeymans Creek	Lat 42°31'40", long 73°50'50", Albany County, at bridge on County Highway 101, 0.25 mile (0.4 km) south of South Bethlehem.	-	1970 1973	8- 9-74	0
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 mile (0.3 km) upstream from Silver Creek, 0.8 mile (1.3 km) east of Dormansville, and 0.8 mile (1.3 km) upstream from Alcove Reservoir.	13.2	1963, 1970 1973	8- 9-74	*1.4
01359916 Silver Creek	Hannacrois Creek	Lat 42°28'24", long 73°59'17", Albany County, at culvert on Boomhower Road near Dormansville.	-	1970 1973	8-12-74	0
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	8- 9-74	*.24
01361020 Agawamuck Creek	Hudson River	Lat 42°16'11", long 73°35'04", Columbia County, at bridge on town road, 0.4 mile (0.6 km) east of Harlemville, and 0.6 mile (1.0 km) upstream from Acker Pond outlet.	5.28		7- 5-74	3,670
01361465 Fox Creek	Catskill Creek	Lat 42°27'46", long 74°10'53", Albany County, at bridge on Pearson Road, 1.9 miles upstream from mouth, and 1.9 miles northeast of Preston Hollow.	3.43	1970,73	8-12-74	*.28
01361480 Catskill Creek Tributary	Catskill Creek	Lat 42°26'11", long 74°09'08", Albany County, at bridge on Niles Road, 1.0 mile (1.6 km) west of Medusa.	6.58	1970 1973	8-12-74	*.47
01362003 Bell Brook	Catskill Creek	Lat 42°16'03", long 73°57'40", Greene County, 0.5 mile (0.8 km) upstream from unnamed tributary, 0.7 mile (1.1 km) south of South Cairo, 0.6 mile (1.0 km) upstream from old State Highway 23, and 0.8 mile (1.3 km) upstream from mouth.	1.23	1972-73	10-16-73 12- 7-73	T .20
01362004 Bell Brook	Catskill Creek	Lat 42°16'10", long 73°57'32", Greene County, 0.4 mile (0.6 km) upstream from unnamed tributary, 0.4 mile (0.6 km) upstream from old State Highway 23, 0.5 mile (0.8 km) south of South Cairo, and 0.6 mile (1.0 km) upstream from mouth.		1972-73	10-16-73 12- 7-73	0 T
01362005 Bell Brook	Catskill Creek	Lat 42°16'19", long 73°57'29", Greene County, 0.1 mile (0.2 km) upstream from unnamed tributary, 0.3 mile (0.5 km) south of South Cairo, 0.3 mile (0.5 km) upstream from old State Highway 23, and 0.4 mile (0.6 km) upstream from mouth.	1.31	1971-73	10-16-73 12- 7-73	T .20
01362482 Beaver Kill	Esopus Creek	Lat 42°04'03", long 74°13'54", Ulster County, at bridge on State Highway 212, 0.6 mile (1.0 km) southwest of Willow, and 3.3 miles (5.3 km) upstream from mouth.	14.4		12-21-73	4,130
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 miles (2.1 km) upstream from mouth, and 1.6 miles (2.6 km) south of Mount Hope.	5.78	1973	4-12-74 5-30-74 7-30-74 9-10-74	21 3.6 13 7.5
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 mile (1.0 km) upstream from mouth, and 4.2 miles (6.8 km) northeast of Warwick.	0.68	1971-73	11-30-73 2-24-74 4- 8-74 5-16-74 7-23-74 9-9-74	T .79 1.8 .41 0 .30

* Base flow.

T Trace.

Discharge measurements made at miscellaneous sites during water year 1974--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Hudson River basin--Continued						
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 mile (0.2 km) downstream from Wickham Lake, and 2.5 miles (4.0 km) northeast of Warwick.	5.15	1967 1971-73	11-30-73	2.1
					2-24-74	14
					4-18-74	30
					5-16-74	12
					7-23-74	.21
	9- 9-74	4.6				
01368722 Long House Creek	Wawayanda Creek	Lat 41°12'53", long 74°20'02", Orange County, at bridge on Cascade Road, 1.0 miles (1.6 km) downstream from Cascade Lake, and 3.0 miles (4.8 km) southwest of Bellvale.	8.35	1973	11-30-73	13
					2-24-74	25
					4-11-74	58
					5-20-74	7.7
					7-23-74	.34
	9-10-74	12				
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 miles (3.1 km) upstream from mouth.	11.85	1971-73	11-30-73	15
					2-24-74	32
					4-11-74	82
					5-20-74	12
					7-23-74	.83
	9-10-74	16				
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 mile (0.8 km) upstream from mouth, and 1.0 mile (1.6 km) from Warwick.	.56	1971-73	11-30-73	.26
					2-24-74	1.3
					4- 8-74	2.3
					5-16-74	1.8
					7-22-74	.05
	9- 9-74	.26				
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 mile (1.3 km) upstream from mouth, and 1.2 miles (1.9 km) southwest of Warwick.	2.96	1971-73	11-30-73	2.0
					2-21-74	2.6
					4- 8-74	9.0
					5-16-74	6.3
					7-22-74	T
	9- 9-74	1.1				
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 mile (0.3 km) upstream from Double Kill.	45	1971-73	11-30-73	42
					2-21-74	91
					4- 8-74	186
					5-16-74	136
					7-22-74	11
	9- 9-74	49				
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 mile (0.5 km) upstream from mouth.	15.6	1971-73	11-30-73	19
					2-21-74	35
					4- 8-74	88
					5-16-74	95
					7-22-74	2.2
	9- 9-74	63				
01369650 Stony Creek	Wheeler Creek	Lat 41°18'06", long 74°23'14", Orange County, at bridge on Union Corners Road, 0.7 mile (1.1 km) upstream from mouth, and 2.6 miles (4.2 km) southwest of Florida.	2.62	1971-73	11-30-73	.81
					2-21-74	4.3
					4- 8-74	10
					5-16-74	3.5
					7-22-74	.25
	9- 9-74	1.3				
01369695 Coleman Ditch	Wallkill River (Black Walnut Creek Channel)	Lat 41°17'37", long 74°26'10", Orange County, at bridge on Little York Road, 0.4 mile (0.6 km) upstream from mouth, and 1.4 miles (2.2 km) east of Pine Island.	1.60	1971-73	11-30-73	1.3
					2-21-74	3.4
					4- 8-74	6.9
					5-16-74	2.3
					7-22-74	.21
	9- 9-74	1.2				
01370090 Wallkill River Tributary	Wallkill River	Lat 41°24'04", long 74°21'35", Orange County, at bridge on Smith Road (Six and One Half Station Road), 200 ft (60 m) southwest of Erie Railroad tracks, 0.6 mi (1.0 km) west of Goshen, and 1.6 mi (2.6 km) upstream from mouth.	-	-	7-17-74	0.40
					7-24-74	.52
01370280 Monhagen Brook	Wallkill River	Lat 41°25'19", long 74°24'22", Orange County, at bridge on McVeigh Road downstream from Erie Railroad bridge, 0.2 mi (0.3 km) south- east of Dolsontown Road, 1.2 mi (1.6 km) east of State Highway 84, 1.8 mi (2.9 km) south of Middletown, and 2.0 mi (3.2 km) up- stream from mouth.			7-17-74	8.6

T Trace

Discharge measurements made at miscellaneous sites during water year 1974--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Hudson River basin--Continued						
01370836 Dwaar Kill	Wallkill River	Lat 41°35'14", long 74°16'14", Orange County, at bridge on Hill Ave, 2.3 miles (3.7 km) southeast of Pine Bush, and 2.8 miles (4.5 km) northeast of Searsville.	12.8	1973	4-12-74 5-22-74 7-30-74 9-10-74	60 7.0 9.4 7.6
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 mile (1.3 km) downstream from unnamed tributary, and 2.0 miles (3.2 km) east of Florida.	3.47	1971-73	11-30-73 2-21-74 5-16-74 7-22-74 9- 9-74	2.2 6.2 5.4 T 2.0
01373580 Trout Brook	Seely Brook	Lat 41°16'36", long 74°15'01", Orange County, at bridge on Lake Road about 2.5 miles (4.0 km) southwest of Walton Park.	2.39	1964 1971-73	11-30-73 2-24-74 4-11-74 5-20-74 7-23-74 9-10-74	1.6 6.1 14 4.5 .39 1.4
01373650 Moodna Creek	Hudson River	Lat 41°25'36", long 74°10'02", Orange County, at bridge on State Highway 208 in Washington- ville.	-	-	10-11-72	39
01374535 Holly Stream	Hudson River	Lat 41°21'45", long 73°37'15", Putnam County, at bridge on Fields Lane, 0.5 mile (0.8 km) upstream from Interstate 684, and 2.6 miles (4.2 km) northwest of Salem Center.			8-15-74	*.63
01374780 Titicus River	Hudson River	Lat 41°19'32", long 73°35'27", Westchester County, at bridge on State Highway 124, 0.4 mile (0.6 km) southeast of Salem Center.			8-15-74	*.92
01374890 Cross River	Hudson River	Lat 41°15'37", long 73°36'09", Westchester County, at bridge in Ward Pound Ridge Reservation, 0.7 mile (1.1 km) upstream from Cross River Reservoir, and 0.7 mile (1.1 km) east of Cross River.			8-15-74	*1.0
01374915 Broad Brook	Hudson River	Lat 41°14'30", long 73°40'42", Westchester County, at bridge on Harris Road on West- field State Farm, 0.5 mile (0.8 km) northeast of Bedford Hills.			8-15-74	*.86
01374983 Kisco River	New Croton Reservoir	Lat 41°11'40", long 73°44'00", Westchester County, at bridge, 0.2 mile (0.3 km) upstream from sewage treatment plant in Mount Kisco.			8-16-74	*.42
01374985 Kisco River	New Croton Reservoir	Lat 41°12'29", long 73°44'29", Westchester County, at bridge on West Main Street in Mt. Kisco.			8-16-74	*.71
01374987 Kisco River	New Croton Reservoir	Lat 41°13'43", long 73°44'39", Westchester County, at bridge on road off Pines Branch Road, 0.3 miles (0.5 km) from mouth at New Croton Reservoir, and 0.8 mile (1.3 km) northwest of Mount Kisco.			8-16-74	*.95
Hackensack River basin						
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 mile (1.1 km) east of Spring Valley.	2.13	1972-73	11-28-73	1.1
Delaware River basin						
01418600 Beaver Kill	West Branch Delaware River	Lat 41°56'11", long 74°55'13", Sullivan County, at bridge on old Rt. 17 in Roscoe, and 2.0 mile (0.3 km) upstream from Willowemoc Creek.			9-17-74	87
01419500 Willowemoc Creek	Delaware River	Lat 41°54'15", long 74°48'50", Sullivan County, 0.8 mile (1.3 km) upstream from highway bridge in Livingston Manor, and 1.5 miles (2.4 km) upstream from Little Beaver Kill.	63	1937-70#	7-23-74 9-17-74	37 52
01420030 Little Beaver Kill	Willowemoc Creek	Lat 41°54'01", long 74°49'43", Sullivan County, at bridge on Main Street in Livingston Manor, and 0.2 mile (0.3 km) upstream from mouth.			7-23-74	*11

Operated as a continuous-record gaging station.

* Base flow.

T Trace.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

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Discharge measurements made at miscellaneous sites during water year 1974--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Delaware River basin--Continued						
01420484 Willowemoc Creek	Beaver Kill	Lat 41°55'49", long 74°54'54", Sullivan County, at bridge on Main Street in Roscoe, and 0.5 mile (8.0 km) upstream from mouth.			7-23-74 9-17-74	*51 87
01420486 Willowemoc Creek	Delaware River	Lat 41°56'02", long 74°55'14", Sullivan County, at bridge on State Highway 17 in Roscoe, and 0.1 mile (0.2 km) upstream from mouth.			9-17-74	95
01420900 Beaver Kill	East Branch Delaware River	Lat 41°59'21", long 75°07'48", Delaware County, at bridge in East Branch, at mouth.		1945	7-22-74	*127
01421500 East Branch Delaware River	Delaware River	Lat 41°57'10", long 75°16'37", Delaware County, at bridge on N.Y. State Highway 97 in Hancock, and 1.2 mi (1.9 km) upstream from confluence with West Branch.	838	1903-13# 1973	12-19-73 1-23-74	790 1,440
01422700 West Branch Delaware River	Delaware River	Lat 42°10'32", long 75°01'04", Delaware County, at highway bridge at Hawleys, 0.3 mile (0.5 km) upstream from Mallory Brook, and 1.6 miles (2.6 km) southwest of Hamden.	256	1973	6-18-74 8-27-74	116 78
01425665 Oquaga Creek	West Branch Delaware River	Lat 42°11'05", long 75°25'27", Broome County, at bridge on North Sanford Road, 0.3 mile (0.5 km) upstream from small tributary, 0.5 mile (0.8 km) west of Arctic, 1.3 miles (2.1 km) upstream from gaging stations near North Sanford, and 2.6 miles (4.2 km) northeast of North Sanford.	-	1969-73	10-15-73 11-14-73 3-21-74 4-24-74 5-22-74 6-20-74 7-25-74	T .44 2.8 1.7 .70 .19 .10
01425670 Oquaga Creek Tributary	Oquaga Creek	Lat 42°10'56", long 75°25'16", Broome County, 0.2 mile (0.3 km) upstream from mouth, 0.4 mile (0.6 km) southwest of Arctic, 0.4 mile (0.6 km) downstream from bridge on East Afton Road, and 2.5 miles (4.0 km) northwest of North Sanford.	-	1969-73	10-13-73 3-21-74 4-24-74 5-22-74 6-20-74 7-25-74 8-21-74	.18 7.9 4.3 2.0 .65 .33 .10
01432865 Middle Mongaup River	Mongaup River	Lat 41°42'14", long 74°44'22", Sullivan County, at mouth, 0.9 mile (1.4 km) southeast of- Harris.			8-15-74	*14
01432880 East Branch Mongaup River	Mongaup River	Lat 41°42'24", long 74°43'56", Sullivan County, at bridge on County Road 174 (old State High- way 17), 0.4 mile (0.6 km) upstream from mouth, and 0.6 mile (1.0 km) southwest of Harris.			8-15-74	*12
01432897 West Branch Mongaup River	Mongaup River	Lat 41°40'48", long 74°46'21", Sullivan County, at bridge on Gail Road, 0.2 mile (0.3 km) upstream from mouth, and 0.6 mile (1.0 km) northeast of Mongaup Valley.			8-15-74	* 9.5
01433005 Mongaup River	Delaware River	Lat 41°34'02", long 74°47'01", Sullivan County, at highway bridge, 0.3 mile (0.5 km) upstream from Black Lake Creek, and 4.0 mile (0.6 km) downstream from dam and Swinging Bridge Reservoir.	148	1973	10-17-73 12-13-73 2-20-74	24 1,010 1,510
01436655 Sheldrake Stream	Neversink River	Lat 41°40'04", long 74°37'24", Sullivan County, at bridge on River Road at Thompsonville, 0.2 mile (0.3 km) downstream from Kiamesha Creek, and 1.5 miles (2.4 km) upstream from mouth.			8-15-74	7.4
01436690 Neversink River	Delaware River	Lat 41°38'03", long 74°37'10", Sullivan County, at highway bridge in Bridgeville, 0.2 mile (0.3 km) downstream from bridge on State Highway 17.	-		8-15-74	55

+ Operated as a crest-stage partial-record station.

Operated as a continuous-record gaging station.

* Base flow.

T Trace.

Discharge measurements made at miscellaneous sites during water year 1974--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Delaware River basin--Continued						
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 upstream from Clove Brook, and 0.6 mile (1.0 km) up- stream from mouth.	346	1902-03# 1943 1945 1960-74	10-30-73 12-12-74 2-11-74 4-18-74 5- 8-74 7-10-74 8- 8-74 8-15-74 9-16-74	644 994 421 1270 498 156 166 110 268
Susquehanna River basin						
01496363 Ocquanionis Creek	Canadarago Lake	Lat 42°51'13", long 74°59'30", Otsego County, on River Street in Richfield Springs, and 1.4 miles (2.2 km) upstream from Canadarago Lake.	20	1963-64 1968-73	11-11-73 5- 4-74 8-30-74	4.1 20 17
01496390 Hyder Creek	Canadarago Lake	Lat 42°49'00", long 75°01'12", Otsego County, at bridge on State Highway 28, 0.4 mile (0.6 km) upstream from mouth, and 3.0 miles (4.8 km) southwest of Richfield Springs.	9.52	1963 1968-73	5- 4-74 8-30-74	10 12
01496448 Herkimer Creek	Canadarago Lake	Lat 42°47'19", long 75°01'30", Otsego County, at bridge on State Highway 28, 0.5 mile (0.8 km) upstream from mouth, and 0.6 mile (1.0 km) north of Schuyler Lake.	12	1963 1968-73	11-11-73 5- 4-74 8-30-74	1.8 18 12
01496451 Oaks Creek	Susquehanna River	Lat 42°46'52", long 75°01'04", Otsego County, at bridge on county Highway, 0.5 mile (0.8 km) east of Schuyler Lake, and 1.0 mile (1.6 km) downstream from Canadarago Lake.	65	1963 1968-73	11-11-73 5- 4-74 9-13-74	12 88 86
01501006 Mill Brook	Unadilla River	Lat 42°37'33", long 75°20'20", Chenango County, at bridge on State Highway 80 in New Berlin, and 0.1 mile (0.2 km) upstream from unnamed tributary.			4-30-74	*3.0
01501009 Mill Brook Tributary	Mill Brook	Lat 42°37'32", long 75°20'22", Chenango County, off State Highway 80 in New Berlin, and 0.1 mile (0.2 km) upstream from mouth.			4-30-74	*2.4
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 mile (0.2 km) downstream from unnamed tribu- tary, and 0.2 mile (0.3 km) upstream from mouth.			4-30-74	*4.9
01507000 Chenango River	Susquehanna River	Lat 42°19'28", long 75°46'18", Chenango County, 0.3 mile (0.5 km) downstream from bridge on State Highway 206 at Greene, and 0.6 mile (1.0 km) downstream from Birdsall Brook.		1937-70 1970-74	4-26-74	1,020
01507970 East Branch Tioughnioga River tributary	East Branch Tioughnioga River	Lat 42°44'10", long 75°57'07", Cortland County, at culvert on State Highway 13 in Cuyler, and 0.2 mile (0.3 km) upstream from mouth.			10-11-73	*.13
01508650 West Branch Tioughnioga River	Tioughnioga River	Lat 42°43'55", long 76°07'52", Cortland County, on Preble Road, 0.8 mile (1.3 km) east of State Highway 281, and 1.0 mile (1.6 km) east of Preble.		1972	6-14-74	*28
01508652 West Branch Tioughnioga River	Tioughnioga River	Lat 42°43'07", long 76°08'08", Cortland County, on Clark Road, 0.1 mile (1.6 km) west of U.S. Highway 11 in Slab City, and 1.3 miles (2.1 km) southwest of Preble.		1972	6-14-74	*32
01508705 West Branch Tioughnioga River	Tioughnioga River	Lat 42°40'50", long 76°09'54", Cortland County, 0.1 mile (.16 km) downstream from Cold Brook, 0.4 mile (.64 km) downstream from White Birch Road, 1.0 mile (1.6 km) southeast of Little York, and 2.3 miles (3.7 km) north of Homer.		1972	6-14-74	*49
01508800 Factory Brook	West Branch Tioughnioga River	Lat 42°38'39", long 76°11'18", Cortland County, at bridge on State Highway 41 at Homer, and about 1 mile upstream from mouth.	15.8	1962-66 b 1970 b 1972-73	8-23-73 8-31-73 9-17-73	3.5 3.0 4.0
01508905 Dry Creek	West Branch Tioughnioga River	Lat 42°36'30", long 76°13'30, Cortland County, on Sweeney Road 200 feet north of Kinney Gulf Road, and 1.2 miles west of State Highway 281 and Cortland.		1972	6-13-74	*.27

Operated as a continuous-record gaging station.

* Base flow.

b Ponded.

Discharge measurements made at miscellaneous sites during water year 1974--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Susquehanna River basin--Continued						
01508913 Blue Creek	Dry Creek	Lat 42°36'15", long 76°12'56", Cortland County, at bridge on Kinney Gulf Road, 0.2 mile (0.3 km) upstream from mouth, 0.7 mile (1.1 km) northwest of State Highway 281, and 0.8 mile (1.3 km) west of Cortland.	4.3		6-13-74	1.8
01508918 Dry Creek	West Branch Tioughnioga River	Lat 42°35'58", long 76°12'14", Cortland County, County, on State Highway 281, 0.2 mile (0.3 km) west of Cortland and 1.3 mile (2.1 km) upstream from mouth.		1972	6-13-74	*3.2
01508925 Dry Creek	West Branch Tioughnioga River	Lat 42°36'17", long 76°11'31", Cortland County, on Hamlin street in Cortland and 0.6 mile (1.0 km) upstream from mouth.		1972	6-13-74	*1.4
01508940 Otter Creek	West Branch Tioughnioga River	Lat 42°34'55", long 76°13'07", Cortland County, at culvert on Cortland Road, 0.2 mile (0.3 km) west of State Highway 281, and 1.1 miles (1.8 km) southwest of Cortland.		1972	6-13-74	3.4
01508945 Otter Creek Tributary	Otter Creek	Lat 42°35'30", long 76°14'20", Cortland County, on Sears Road, 0.2 mile (0.3 km) northwest of State Highway 222, and 2.0 miles (1.9 km) west of Cortland.		1972	6-13-74	*.39
01508948 Otter Creek Tributary	Otter Creek	Lat 42°35'15", long 76°13'25", Cortland County, on Fairview Drive, 0.2 mile (0.3 km) south of State Highway 222, and 1.2 miles (1.9 km) west of Cortland.		1972	6-13-74	*.20
01508951 Otter Creek	West Branch Tioughnioga River	Lat 42°35'30", long 76°12'32", Cortland County, on State Highway 281, 0.4 mile (0.6 km) west of Cortland, and 2.0 miles (3.2 km) upstream from mouth.		1972	6-13-74	*2.9
01508955 Otter Creek	West Branch Tioughnioga River	Lat 42°36'03", long 76°11'23", Cortland County, on State Highway 222 (Groton Avenue) in Cortland, and 0.7 mile (1.1 km) upstream from mouth.		1972	6-13-74	*3.8
01508960 Otter Creek	West Branch Tioughnioga River	Lat 42°36'25", long 76°10'58", Cortland County, at bridge on State Highway 11 in Cortland, and 0.2 mile (0.3 km) upstream from mouth.	14.3	1964 1972	6-13-74	*5.6
01516000 Cayuta Creek	Susquehanna River	Lat 42°00'32", long 76°31'33", Tioga County, at bridge on Ithaca Street, Waverly.	140	1898-62* 1938-73	10-19-73 7-10-74 7-26-74	*66 *22 17
Allegheny River basin						
03013800 Ball Creek	Chautauqua Lake	Lat 42°09'13", long 79°24'27", Chautauqua County, at bridge on State Highway 17-J, at Stow.		1955 1957-60 1963-64 1967 1974	10- 2-73 11-12-73 1-21-74 2-20-74 8-19-74 8-27-74	.32 4.0 198 10 19 0
03014670 Conewango Creek	Allegheny River	Lat 42°01'23", long 79°09'36", Chautauqua County, at bridge on Riverside Road, just upstream from Kiantone Creek, 1.5 miles (2.4 km) northwest of Fentonville.	767	1960 1967-74	11-12-73 4- 4-74	341 3,490
Streams Tributary to Lake Erie						
04213318 Chautauqua Creek	Lake Erie	Lat 42°19'00", long 79°34'45", Chautauqua County, at bridge on Water Street at West- field, 0.8 mile (1.3 km) downstream from Little Chautauqua Creek, and 2.5 miles (4.0 km) upstream from mouth.	33.6	1971	6- 6-74	*9.1
04213319 Chautauqua Creek	Lake Erie	Lat 42°19'50", long 79°35'25", Chautauqua County, at bridge on Hawley Street in West- field, 1.1 miles (1.8 km) downstream from bridge on U.S. Highway 20, and 1.3 miles (2.1 km) upstream from mouth.			6- 6-74 8-13-74	9.8 4.1

* Operated as a continuous-record gaging station.

* Base flow.

Discharge measurements made at miscellaneous sites during water year 1974--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
				Date	Discharge (cfs)	
Streams Tributary to Lake Erie						
04213320 Chautauqua Creek	Lake Erie	Lat 42°20'15", long 79°36'04", Chautauqua County, at bridge on State Highway 4, at Barcelona, 0.3 mile (0.5 km) upstream from mouth, and about 0.8 mile (1.3 km) downstream from Westfield sewage disposal plant outfall.		1953-68 1972	6- 6-74 8-13-74	11 6.2
042133755 Canadaway Creek	Lake Erie	Lat 42°26'16", long 79°20'02", Chautauqua County at bridge on U.S. Highway 20 (West Main Street) in Fredonia.			6- 5-74 8-13-74	12 10
04213377 Canadaway Creek	Lake Erie	Lat 42°27'45", long 79°21'51", Chautauqua County, at bridge on Willow Road, 0.1 mile (0.2 km) downstream from Beaver Creek, and 0.6 mile (1.0 km) northwest of City line of Fredonia, N.Y.	38.1	1962	6- 5-74 8-13-74	*17 14
04214056 Big Sister Creek	Lake Erie	Lat 42°38'38", long 79°01'26", Erie County, at bridge on Delmater Road, in Angola.			6- 4-74 8-14-74	*8.9 2.4
04215000 Cayuga Creek	Buffalo River	Lat 42°53'24", long 78°38'45", Erie County, on right bank, 150 feet (46 m) upstream from low flat-crested dam in Como Lake Park, 700 feet (213 m) downstream from bridge on Bowen Road, 800 feet (244 m) downstream from bridge on Buffalo Creek, and 2 miles (3.2 km) southeast of Lancaster.	94.9	1938-68# 1969	5- 2-74 7- 9-74 8-21-74	84 8 5.6
Streams Tributary to Niagara River						
04216440 Little Tonawanda Creek	Tonawanda Creek	Lat 42°49'00", long 78°10'04", Wyoming County, 200 feet (61 m) north of Gulf Road (Fox Road), and 0.3 mile (0.5 km) southeast of Dale.	4.10		8- 2-74	T
04216443 Little Tonawanda Creek Tributary	Little Tonawanda Creek	Lat 42°48'36", long 78°10'34", Wyoming County, in Kennedy Gulf, 65 feet (20 m) downstream from unnamed tributary, 0.6 mile (1.0 km) southwest of Dale, and 0.8 mile (1.3 km) upstream from mouth.	97		8- 2-74	T
04216445 Little Tonawanda Creek Tributary #2	Little Tonawanda Creek	Lat 42°49'22", long 78°09'49", Wyoming County, in Dape Gulf, 110 feet (34 m) upstream from abandoned bridge, 0.4 mile (0.6 km) upstream from mouth, and 0.5 mile (8.0 km) east of Dale.	1.13		8- 2-74	T
04216450 Little Tonawanda Creek Tributary #3	Little Tonawanda Creek	Lat 42°48'59", long 78°11'26", Wyoming County, at culvert on Town Line Road, 1.1 miles (1.8 km) upstream from mouth, 0.9 mile (1.4 km) west of Dale, and 1.9 miles (3.1 km) north of Nichols Corners.	.19		8- 2-74	T
04216455 Little Tonawanda Creek Tributary to Tributary #3	Little Tonawanda Creek Tributary #3	Lat 42°49'13", long 78°10'48", Wyoming County, 180 feet (55 m) upstream from mouth, 300 feet (91 m) south of town road, 0.2 mile (0.3 km) west of Erie Railroad tracks, and 0.3 mile (0.5 km) west of Dale.	.31		8- 2-74	.22
04216460 Little Tonawanda Creek Tributary #4	Little Tonawanda Creek	Lat 42°50'11", long 78°10'10", Wyoming County, in Dersam Gulf, 0.3 mile (0.5 km) upstream from mouth, 0.5 mile (0.8 km) east of Dale Road, and 1.2 miles (1.9 km) north of Dale.	.18		8- 2-74	T
04216465 Little Tonawanda Creek Tributary #5	Little Tonawanda Creek	Lat 42°50'06", long 78°11'00", Wyoming County, in Pflaum Gulf, 500 feet (152 m) west of Erie Railroad, 0.6 mile (1.0 km) upstream from mouth, and 1.2 miles (1.9 km) northwest of Dale.	.90		8- 2-74	.16
04216470 Little Tonawanda Creek	Tonawanda Creek	Lat 42°50'24", long 78°10'28", Wyoming County, in Pflaum Gulf, 100 feet (30 m) downstream from tributary no. 5, 1.4 miles (2.3 km) north of Dale, and 1.8 miles (2.9 km) south of Belknap Crossing.	14.41		8- 2-74 8-22-74	.63 .58
04216473 Little Tonawanda Creek Tributary #6	Little Tonawanda Creek	Lat 42°50'36", long 78°10'49", Wyoming County, in Dusing Gulf, 800 feet (244 m) west of Erie Railroad, 0.4 mile (0.6 km) upstream from mouth, 1.7 miles (2.7 km) north of Dale, and 1.7 miles (2.7 km) southwest of Belknap Crossing.	.42		8- 3-74	T

[#] Operated as a continuous-record gaging station.

* Base flow.

T Trace.

Discharge measurements made at miscellaneous sites during water year 1974--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Streams Tributary to Lake Ontario						
04216478 Little Tonawanda Creek	Tonawanda Creek	Lat 42°50'43", long 78°10'16", Wyoming County, 0.2 mile (0.3 km) east of Dale Road, 1.4 miles (2.3 km) south of Belknap Crossing, and 2.0 miles (3.2 km) north of Dale.	15.72		8- 2-74 8-22-74	.56 .43
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 miles (5.3 km) northwest of Elba village line.	7.49		4-30-74	*5.1
04219940 Manning Muckland Creek	Oak Orchard Creek	Lat 43°10'13", long 78°08'04", Orleans County, at bridge on McNamar Road, and 3.3 miles (5.3 km) southeast of Barre Center.	5.28		4-29-74	*5.8
04219950 Manning Muckland Creek	Lake Ontario	Lat 43°07'56", long 78°09'53", Genesee County, 125 ft (44 m) upstream from State Highway 98 (Oak Orchard Road) and 3.9 mi (6.3 km) north of Elba.	-	-	4-30-74	*11
042202625 Northrup Creek	Lake Ontario	Lat 43°15'13", long 77°44'33", Monroe County, at bridge on State Highway 18, 0.5 mile (0.8 km) west of North Greece.	11.7		5-17-74	758
04220275 Round Pond Creek	Round Pond	Lat 43°13'42", long 77°41'47", Monroe County, on private farm bridge off Long Pond Road, 0.3 mile (0.5 km) north of Maiden Lane, and 0.3 mile (0.5 km) north of Greece town line.	9.08		5-16-74	500
04220282 Paddy Hill Creek	Round Pond Creek	Lat 43°15'11", long 77°40'14", Monroe County, at bridge on State Highway 18 (Latta Road), 0.7 mile (1.1 km) upstream from mouth, and 3.2 miles (5.2 km) north of Greece, N.Y.	4.64		5-17-74	450
04220462 East Valley Creek	Railroad Brook	Lat 42°09'51", long 77°47'14", Allegany County, at bridge on East Valley Road in Andover, and 0.4 mile (0.6 km) upstream from mouth.	7.29	1972-73	10-18-73 11-13-73 12-17-73	.56 3.6 4.6
04225050 Mud Creek	Canaseraga Creek	Lat 42°33'55", long 77°41'45", Livingston County, at footbridge in park in Dansville.	1.43	1972-73	10-18-73 11-27-73 12-18-73	1.0 1.3 1.7
04227995 Conesus Creek	Genesee River	Lat 42°50'10", long 77°42'22", Livingston County, at bridge on U.S. Highway 20A at Lakeville, and 0.2 mile (0.3 km) downstream from Conesus Lake.	69.8	1964-65		
04228825 Briggs Gully Creek	Lake Ontario	Lat 42°43'21", long 77°30'08", Ontario County, at bridge on East Lake Road, 0.4 mile (0.6 km) upstream from mouth, and 4.5 miles (7.2 km) south of Honeoye.	6.63	1973	11-16-73 11-26-73 12-18-73	9.8 2.4 .76
04229620 Spring Brook	Honeoye Creek	Lat 42°55'29", long 77°36'23", Livingston County, at farm road crossing, 0.5 mile (0.8 km) north of Lima village line, 0.9 mile (1.4 km) upstream from Corby Road, and 1.2 miles (1.9 km) downstream from U.S. Highway 20 and State Highway 5.			12- 4-73	2.8
04229670 Spring Brook	Honeoye Creek	Lat 42°56'45", long 77°37'10", Monroe County, at bridge on county Rd. No. 6 (Honeoye Falls Road), 0.3 mile (0.5 km) west of Dann Corner, and 1.5 miles (2.4 km) upstream from mouth.			12- 4-73	2.6
04230015 Honeoye Creek Tributary	Honeoye Creek	Lat 42°54'29", long 77°40'25", Livingston County, in farm field, 0.3 mile (0.5 km) downstream from U.S. Highway 20 and State Highway 5, 1.6 miles (2.6 km) upstream from North Avon, and 1.7 miles (2.7 km) east of East Avon.			12- 4-73	.23
04230018 Honeoye Creek Tributary	Honeoye Creek	Lat 42°55'05", long 77°40'32", Livingston County, in farm field, 1.0 mile (1.6 km) upstream from North Avon, and 1.0 mile (1.6 km) downstream from U.S. Highway 20 and State Highway 5.			12- 4-73	.44
04230022 Honeoye Creek	Honeoye Creek	Lat 42°55'49", long 77°40'44", Livingston County, at bridge on North Avon Road in North Avon, 1.0 mile (1.6 km) upstream from Livingston-Monroe County line.			12- 4-73	.70

* Base flow.

Discharge measurements made at miscellaneous sites during water year 1974--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Streams Tributary to Lake Ontario--Continued						
04231360 Red Creek Tributary to Tributary	Red Creek	Lat 43°04'20", long 77°39'27", Monroe County, at bridge on Bailey Road, 0.7 mile (1.1 km) west of U.S. Highway 15, and 1.5 miles (2.4 km) south of Mortimer.			5-17-74	42
04231400 Red Creek	Erie (Barge) Canal	Lat 43°05'32", long 77°39'08", Monroe County, at State Highway 252 near Rochester, and 2.2 miles (3.5 km) upstream from Erie (Barge) Canal.	16.2	1961-64/ 1964-66	5-17-74	549
04231420 Red Creek Tributary No. 2	Red Creek	Lat 43°06'13", long 77°39'16", Monroe County, at bridge on Crittenden Road, 1.1 miles (1.8 km) west of U.S. Highway 15, and 0.7 mile (1.1 km) north of Mortimer.			5-17-74	41
04232098 Sterling Creek Tributary	Sterling Creek	Lat 43°18'37", long 76°38'48", Cayuga County, at bridge on State Highway 38, 1.0 mile (1.6 km) south of Sterling.			7-23-74	*.85
04232423 Plum Point Creek	Seneca Lake	Lat 42°35'26", long 76°57'18", Seneca County, at bridge at Himrod, N.Y.	3.0	1955 1965	5-21-74	1.8
042324235 Plum Point Creek Himrod, N.Y.	Lake Ontario	Lat 42°35'37", long 76° 56'37", Yates County, 150 feet (46 m) upstream from New State High- way 14, and 0.7 mile (1.1 km) northeast of Himrod.			5-21-74	3.1
04232425 Plum Point Creek	Seneca Lake	Lat 42°35'45", long 76°55'15", Yates County, at bridge on Hall Road at Plum Point, and 0.1 mile (0.2 km) upstream from mouth.	-	1965	12-10-73 5-21-74	2.8 3.0
042324481 Keuka Inlet	Keuka Lake	Lat 42°24'13", long 75°13'53", Steuben County, 200 feet (61 m) upstream from Tributary No. 3, 0.1 mile (0.2 km) southwest of Hammondsport, and 0.8 mile (1.3 km) upstream from mouth.			7-10-74	*5.2
042324482 Keuka Inlet Tributary #3	Keuka Inlet	Lat 42°24'05", long 77°15'03", Steuben County, upstream from sewage treatment plant of Taylor Wine Company in Pleasant Valley.			7-10-74	.10
042324483 Keuka Inlet Tributary #3	Keuka Inlet	Lat 42°24'05", long 77°15'04", Steuben County, downstream from outfall of sewage treatment plant of Taylor Wine Company in Pleasant Valley.			7-10-74	.32
042324484 Keuka Inlet Tributary #3	Keuka Inlet	Lat 42°24'07", long 77°14'41", Steuben County, at abandoned dirt road, 0.6 mile (1.0 km) southwest of Hammondsport, and 0.7 mile (1.1 km) upstream from mouth.			7-10-74	.20
042324486 Keuka Inlet	Keuka Lake	Lat 42°24'13", long 75°13'52", Steuben County, downstream from Tributary No. 3, and 0.8 mile (1.3 km) upstream from mouth, 0.1 mile (0.2 km) southeast of Hammondsport.			7-10-74	5.1
04233648 Fall Creek	Cayuga Lake	Lat 42°30'51", long 76°20'50", Tompkins County, at bridge on State Highway 38, at Freeville.	55.9	1963,1966, 1968,1973	10-17-73 3-05-74 3-28-74 4- 3-74 4- 4-74	*13 340 68 265 1,080
04233665 Virgil Creek	Fall Creek	Lat 42°28'46", long 76°14'20", Cortland County, at bridge on Town Line Road, 0.6 mile (1.0 km) from intersection of McClintol Road and Town Line Road.	16.3		3-28-74	*18
04233670 Virgil Creek	Fall Creek	Lat 42°29'04", long 76°17'34", Tompkins County, at bridge on East Lake Road at Dryden, and 0.7 mile (1.1 km) upstream from Dryden Lake Outlet.	-	1964	9-26-73	3.4
04233687 Virgil Creek	Fall Creek	Lat 42°29'40", long 76°18'61", Tompkins County, at bridge on Springhouse Road, 0.9 mile (1.4 km) northwest of Dryden.	31.1	1963 1973	10-17-73 3-28-74	*5.6 30

/ Operated as a crest-stage partial-record station.

* Base flow.

Discharge measurements made at miscellaneous sites during water year 1974--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Streams Tributary to Lake Ontario--Continued						
04233692 Virgil Creek Tributary No. 2	Virgil Creek	Lat 42°29'47", long 76°18'52", Tompkins County, at bridge on Spring House Road, 0.2 mile (0.3 km) upstream from mouth, and 0.9 mile (1.4 km) northwest of Dryden.	-	1973	10-17-73	*.33
04233694 Virgil Creek	Fall Creek	Lat 42°29'45", long 76°19'44", Tompkins County, at bridge on George Road, 0.6 mile (1.0 km) southeast of Freeville, 1.6 miles (2.6 km) west of Dryden, and 2.6 miles (4.2 km) upstream from mouth.	-	1973	10-17-73	*7.0
04234207 Fish Creek	Mud Creek	Lat 42°54'42", long 77°25'10", Ontario County, at bridge on Holcomb-Victor Road, 0.6 mile (1.0 km) north of Holcomb, N.Y.	4.20	1955 1965	12- 5-73	2.5
04234210 Fish Creek	Mud Creek	Lat 42°55'13", long 77°23'56", Ontario County, at culvert on Pond Road, 0.3 mile (0.5 km) south of junction with Rice Road, and 1.1 miles (1.8 km) northeast of Holcomb.			12- 5-73	2.5
04234214 Fish Creek	Mud Creek	Lat 42°56'38", long 77°23'24", Ontario County, at bridge on Brace Road at Monroe-Ontario County line, and 2.0 miles (3.2 km) southeast of town line of Victor, N.Y.		1964-65	12- 5-73	3.1
04234217 Fish Creek	Mud Creek	Lat 42°58'31", long 77°23'09", Ontario County, at bridge on State Highway 96 at East Victor, N.Y., and 0.3 mile (0.5 km) upstream from mouth.		1965-66	12- 5-73	3.0
042352935 Owasco Inlet	Lake Ontario	Lat 42°37'05", long 76°23'03", Tompkins County at bridge on State Highway 38, 1.8 mi (2.9 km) north of Groton, and 4.4 mi (7.1 km) upstream from Hemlock Creek.	-		7-16-74	12
04235294 Owasco Inlet	Owasco Lake	Lat 42°39'35", long 76°25'43", Cayuga County, at bridge on State Highway 90 in Locke, and 200 feet (61 m) downstream from Hemlock Creek.	-		7-15-74	21
04235300 Owasco Inlet	Owasco Lake	Lat 42°43'05", long 76°26'18", Cayuga County, on right bank, 575 feet (175 m) downstream from highway bridge on State Highway 38, and 1.0 mile (1.6 km) west of Moravia.	106	1960-68# 1969	7-15-74	38
04236520 Skaneateles Creek	Seneca River	Lat 42°59'37", long 76°27'30", Onondaga County, at Depot Road bridge in Skaneateles Falls.	-	1971	10- 5-72	8.9
04240100 Harbor Brook	Onondaga Lake	Lat 43°02'08", long 76°11'17", Onondaga County, on right bank 145 feet (44 m) downstream from bridge on Velasko Road at Syracuse, and about 3 miles (4.8 km) upstream from mouth.	9.63	1959-73#	7- 3-74	726
04240135 Bloody Brook	Onondaga Lake	Lat 43°05'51", long 76°12'06", Onondaga County, 200 feet (61 m) upstream from bridge on State Highway 57 at Liverpool, and 0.2 mile (0.3 km) upstream from mouth.	3.91	1971-72	7- 3-74	390
04240188 Nine Mile Creek	Onondaga Lake	Lat 42°59'29", long 76°20'24", Onondaga County, at bridge on State Highway 174 in Marcellus.	-	-	6-26-73	*50
04240470 Sawmill Creek	Onondaga Lake	Lat 43°06'55", long 76°14'07", Onondaga County, at bridge on Onondaga Lake Parkway, at Liver- pool, and 200 feet (61 m) upstream from mouth.	2.34	1971-72	7- 3-74	108
04244909 Limestone Creek	Chittenango Creek	Lat 42°52'34", long 75°54'12", Onondaga County, at bridge on Pompey Hollow Road, 0.6 mile (1.0 km) east of Delphi Falls, and 2.7 miles (4.3 km) south of U.S. Highway 20.			7- 3-74	2,680
04245010 Limestone Creek Tributary	Limestone Creek	Lat 43°01'16", long 76°01'43", Onondaga County, at culvert on Highbridge Road at intersection of Mott Road, 0.5 mile (0.8 km) west of Fayette- ville, and 1.5 miles (2.4 km) upstream from mouth.			10-10-73 10-10-73 10-10-73 10-31-73 11-13-73 1- 5-74 2- 2-74 4- 2-74 5-18-74	T T T T .25 .98 .50 1.9 .61

[#] Operated as a continuous-record station.

* Base flow.

T Trace.

Discharge measurements made at miscellaneous sites during water year 1974--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Streams Tributary of Lake Ontario--Continued						
04245160 Butternut Creek	Limestone Creek	Lat 42°53'22", long 76°05'10", Onondaga County, at bridge on Dodge Rd. in Onativia, and 1.0 mile (1.6 km) east of LaFayette.			7- 3-74	2,260
04245168 Butternut Creek Tributary	Butternut Creek	Lat 42°53'50", long 76°05'00", Onondaga County, at bridge on county highway (Apulia Road), 0.6 mile (1.0 km) north of Onativia.	0.78		7- 3-74	140
04245230 Meadow Brook	Butternut Creek	Lat 43°01'51", long 76°04'16", Onondaga County, at culverts on Jamesville Road in DeWitt.			7- 3-74	310
04245236 Meadow Brook	Butternut Creek	Lat 43°02'29", long 76°06'01", Onondaga County, on right bank, 170 feet (52 m) downstream from culvert at intersection of Hurlburt Rd. and Meadowbrook Drive, 2.3 miles (3.7 km) upstream from mouth on Butternut Creek.	2.90	1970-73#	7- 3-74	475
04245870 Volmer Creek	Oneida Lake	Lat 43°11'47", long 76°05'40", Onondaga County, at culvert on Mud Mill Road, 1.8 mile (2.9 km) northeast of Cicero.	2.3		7- 3-74	535
04246850 Black Creek	Oneida River	Lat 43°13'54", long 76°10'55", Onondaga County, at culvert on Caughdenoy Road, 2.0 mile (3.2 km) west of Brewerton.	1.8		7- 3-74	1,600
04249097 Salmon River	Lake Ontario	Lat 43°29'52", long 75°43'24", Lewis County, at bridge on State Highway 45 (Florence Road), in Osceola, and 0.5 mile (0.8 km) downstream from Fall Brook.	-	-	11- 9-73	524
St. Lawrence River basin						
04263186 Indian River	Oswegatchie River	Lat 44°10'51", long 75°38'46", Jefferson County, 0.4 mile (0.6 km) downstream from bridge off Pleasant Street, 1.1 miles (1.8 km) upstream from bridge of county road off U.S. Highway 11, and 4.5 miles (7.2 km) northeast of Philadelphia.			9-17-74	17
04263210 Indian River	Black Lake	Lat 44°08'55", long 75°43'53", Jefferson County, at bridge on Sandy Hollow Road, 1.3 miles (2.1 km) southwest of Philadelphia.	-	1973	9-17-74	34
04263215 Trout Brook	Indian River	Lat 44°05'39", long 75°46'57", Jefferson County, 5.0 feet (1.5 m) upstream from mouth, and 0.1 mile (0.2 km) southeast of Anstead Bridge, and 2.0 miles (3.2 km) northeast of Evans Mills.			9-18-74	2.1
04263216 Indian River	Oswegatchie River	Lat 44°06'40", long 75°47'00", Jefferson County, at Anstead Bridge on Elm Ridge Road, 200 feet (61 m) downstream from Trout Brook at Anstead Bridge, and 2.0 miles (3.2 km) northeast of Evans Mills.			9-18-74	34
04263290 Indian River	Oswegatchie River	Lat 44°12'58", long 75°47'30", Jefferson County, at bridge on State Highways 26 and 411 in Theresa.	-	1973	9-16-74	49
04263291 Indian River	Oswegatchie River	Lat 43°13'03", long 75°47'41", Jefferson County, 0.1 mile (0.2 km) downstream from dam in Theresa.			9-16-74	9.3
04263350 Indian River	Oswegatchie River	Lat 44°22'14", long 75°38'56", St. Lawrence County, at bridge on town road, 0.2 mile (0.3 km) east of county road 30A, and 1.6 miles (2.6 km) upstream from Rossie.	-	1967 1973	10- 9-73	345
04265475 South Pond Outlet	Raquette River	Lat 43°56'25", long 74°25'32", Hamilton County, at bridge on Buttermilk Falls Road, 0.2 mile (0.3 km) upstream from mouth, and 0.2 mile (0.3 km) southwest of Deerland.	21.3	1973	10- 4-73	13
04265480 Shaw Brook	Long Lake	Lat 43°58'14", long 74°24'55", Hamilton County, at culvert on State Highway 28N, and 0.5 mile (0.8 km) upstream from mouth.	5.55	1973	10- 5-73	4.6

[†] Operated as a continuous-record gaging station

Discharge measurements made at miscellaneous sites during water year 1974--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
St. Lawrence River basin--Continued						
04265483 Polliwog Pond Outlet	Long Lake	Lat 43°59'25", long 74°23'35", Hamilton County, at foot bridge on Northville-Lake Placid Trail, 0.5 mile (0.8 km) upstream from mouth at Oven Point, and 1.8 (2.9 km) miles northeast of Long Lake.	-	1973	10- 4-73	.60
04265486 Big Brook	Long Lake	Lat 44°00'10", long 74°28'53", Hamilton County, at bridge on State Highway 30, 3.5 miles (5.6 km) northwest of Long Lake, and 4.1 miles (6.6 km) upstream from mouth.	-	1973	10- 5-73	29
04265490 Pine Brook	Long Lake	Lat 44°04'15", long 74°15'25", Essex County, at culvert on Wolf Lake Road, 3.6 miles (5.8 km) upstream from mouth, and 8.3 miles (13.3 km) northwest of Newcomb.	-	1973	10- 4-73	1.0
04265495 Cold River	Raquette River	Lat 44°05'20", long 74°15'50", Essex County, at bridge at end of Wolf Lake Road, 0.1 mile (0.2 km) downstream from Moose Creek, 3.7 miles (6.0 km) upstream from mouth, and 9.6 miles (15.4 km) northwest of Newcomb.	-	1973	10- 4-73	87
04266380 Raquette Pond Tributary	Raquette River	Lat 44°13'59", long 74°27'55", Franklin County, at culvert on State Highway 3, 0.1 mile (0.2 km) upstream from mouth.	-	1973	10- 4-73	.65
04266385 Raquette Pond Tributary No. 2	Raquette River	Lat 44°14'31", long 74°28'55", Franklin County, at bridge in Faust, 300 feet (98 m) upstream from State Highway 3, and 0.7 mile (1.1 km) upstream from mouth.	-	1973	10- 4-73	49
04266610 Chandler Pond Outlet	Raquette River	Lat 44°19'32", long 74°43'25", St. Lawrence County, at culvert on State Highway 56, 0.2 mile (0.3 km) upstream from mouth, and 1.8 miles (2.9 km) north of Sevey.	-	1973	10- 4-73	2.5
04266620 Crooked Lake Outlet	Raquette River	Lat 44°19'57", long 74°43'33", St. Lawrence County, at culvert on State Highway 56, 0.3 mile (0.5 km) upstream from mouth, and 2.5 miles (4.0 km) north of Sevey.	-	1973	10- 4-73	1.8
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 junc- tion of State Highways 30 and 192.	-	1972-73	10-16-73 11- 8-73 5- 7-74 6-13-74 7-23-74 8- 6-74 9- 9-74	.25 .16 1.3 .30 .28 .88 .15
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- 9-73 11- 8-73 11- 8-73 4-16-74 5-14-74 6-13-74 7-23-74 8- 6-74 9- 9-74	1.3 1.2 1.4 2.1 2.0 1.9 1.5 1.6 1.3
04268383 Barnum Pond Outlet	St. Regis River	Lat 44°26'15", long 74°15'47", Franklin County, at bridge on Keese Mills Road in Paul Smiths, and 0.5 mile (0.8 km) west of State Highway 30 (formerly State Highway 10).	-	1973	10- 9-73	4.4
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	10-16-73 4-16-74 5-14-74 6-13-74 7-23-74 8- 6-74 8- 6-74 9-18-74	2.5 14 8.0 2.3 2.0 4.0 4.1 1.0
04271500 Great Chazy River	Lake Champlain	Lat 45°00'00", long 73°30'05", Clinton County, at highway bridge in Perry Mills, 1.4 miles (2.3 km) upstream from Beaver Creek, and 7.5 miles (12.1 km) upstream from Corbeau Creek.	247	1928-68†	10-10-73	68

[†] Operated as a continuous-record gaging station.

Discharge measurements made at miscellaneous sites during water year 1974--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
St. Lawrence River basin--Continued						
04271800 Little Chazy River	Lake Champlain	Lat 44°53'30", long 73°24'45", Clinton County, at bridge on Stetson Rd., 1.4 miles (2.2 km) east of Chazy, and 2.2 miles (3.5 km) upstream from mouth.	-	1973	10-10-73	15
04272540 Twobridge Brook	Sumner Brook	Lat 44°22'15", long 74°09'33", Franklin County, at bridge on State Highway 86, 1.6 miles (2.6 km) downstream from Fay Brook, 2.1 miles (3.4 km) northwest of Saranac Lake, and 5 miles (8.0 km) upstream from mouth.			10-11-73	*15
04272550 Twobridge Brook	Sumner Brook	Lat 44°24'44", long 74°06'40", Franklin County, at bridge on State Highway 192, 0.1 mile (0.2 km) upstream from Negro Brook, 0.4 mile (0.6 km) west of Bloomingdale, and 1.1 miles (1.8 km) upstream from mouth.			10-11-73	*7.7
04272560 Negro Brook	Twobridge Brook	Lat 44°25'14", long 74°07'08", Franklin County, at bridge on town road, 0.3 mile (0.5 km) upstream from Rickerson Brook, 0.6 mile (1.0 km) upstream from mouth, and 1.0 mile (1.6 km) northwest of Bloomingdale.	-		10-11-73	*17
04272570 Rickerson Brook	Negro Brook	Lat 44°24'56", long 74°08'16", Franklin County, at bridge on State Highway 192, 1.0 mile (1.6 km) upstream from mouth, and 1.8 mile (2.9 km) northwest of Bloomingdale.	-		10-11-73	*7.3
04272580 Lyon Brook	Sumner Brook	Lat 44°25'19", long 74°05'35", Franklin County, at bridge on town road, 0.1 mile (0.2 km) upstream from confluence with Twobridge Brook, and 0.7 mile (1.1 km) north of Bloomingdale.	-		10-11-73	*9.8
04273005 Behan Brook	Saranac River	Lat 44°40'20", long 73°43'36", Clinton County, at bridge on Picketts Corners-Dannemora Rd., 0.7 mile (1.1 km) north of Picketts Corners.	9.92	1947, 1954, 1966 1973	10-10-73	4.8
04273700 Salmon River	Lake Champlain	Lat 44°37'35", long 73°26'55", Clinton County, at U.S. Highway 9 bridge about 2 miles (3.2 km) east of South Plattsburgh.	66.0	1973	10- 9-73	33
04273795 Little Ausable River	Lake Champlain	Lat 44°34'41", long 73°31'37", Clinton County, at dam 20 feet (6.1 m) downstream from bridge on State Highway 22 in Peru.	67.8	1973	10- 9-73	13
04276650 Hammond Brook	Lake Champlain	Lat 44°11'00", long 73°26'02", Essex County, at bridge on State Highways 22 and 9N in Westport, N.Y.	11.4	1973	10- 9-73	2.6
04276775 Mill Brook	Lake Champlain	Lat 44°03'10", long 73°27'25", Essex County, at bridge on Public Beach Road in Port Henry.	27.1	1973	10- 9-73 8-27-74	6.2 *5.1
04276785 Stony Brook	Lake Champlain	Lat 44°02'20", long 73°27'43", Essex County, at culvert on State Highways 22 and 9N in Port Henry.			8-27-74	*16
04276800 McKenzie Brook	Lake Champlain	Lat 44°02'05", long 73°27'46", Essex County, at bridge on State Highways 9N and 22 in Port Henry.	10.3	1973	10- 9-73 8-27-74	1.2 *3.8
04276835 Putnam Creek diversion to Fish Hatchery	Lake Champlain	Lat 43°56'32", long 73°28'03", Essex County, off Factoryville Road in Crown Point Center, 400 feet (122 m) downstream from unnamed tributary, 0.1 mile (0.2 km) upstream from unnamed tributary, and 0.2 mile (0.3 km) up- stream from fish hatchery.			8-27-74	1.5
04276836 Putnam Creek	Lake Champlain	Lat 43°56'32", long 73°28'03", Essex County, off Factoryville Road in Crown Point Center, 400 feet (122 m) downstream from unnamed tributary, 0.1 mile (0.2 km) upstream from unnamed tributary, and 0.2 mile (0.3 km) up- stream from fish hatchery.			8-27-74	1.2
04276844 Putnam Creek	Lake Champlain	Lat 43°57'01", long 73°27'30", Essex County, at bridge on Crown Point Road, 0.6 mile (1.0 km) downstream from fish hatchery, and 0.8 mi (1.3 km) west of Factoryville.			8-27-74	*3.5

* Base flow.

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
St. Lawrence River basin--Continued						
04276852 Putnam Creek	Lake Champlain	Lat 43°57'21", long 73°25'58", Essex County, at bridge on State Highways 8 and 9N in Crown Point, and 1.5 miles (2.4 km) upstream from mouth.			8-27-74	*7.6

* Base flow.

West Branch Tioughnioga River Seepage Investigations

Four series of discharge measurements were made between August 1972 and June 1974 on West Branch Tioughnioga River and its tributaries, 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 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, 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 each tributary is inserted in the order in which it enters the main stream.

Site no	Distance upstream from mouth of river (miles)	Drainage area (sq mi)	Discharge, in cubic feet per second							
			Gain		Gain		Gain		Gain	
			Measured discharge	or loss	Measured discharge	or loss	Measured discharge	or loss	Measured discharge	or loss
			Aug. 17, 1972 at 60% duration		Sept. 17, 1972 at 70% duration		Aug. 31, 1973 at 90% duration		June 13/14, 1974 at 60% duration	
01508650	11.8	23.7	22.6	- †	11.0	- †	6.76	- †	27.9	- †
01508652	10.8	24.8	27.2	+5.1 †	13.5	+2.5 †	7.34	+58 †	32.0	+4.1 †
01508665	7.7	34.3	31.8	+4.1 †	-	-	-	-	-	-
01508700+	7.7	15.4	5.9	- †	-	-	.13	- †	-	-
01508705	7.3	50.0	-	-	22.0	+8.5 —	10.7	+3.27 †	49.3	+17.3 †
01508800+	4.8	15.8	7.8	- †	5.7	- †	3.00	- †	11.2	- †
01508802	3.9	16.1	7.4	-0.4 †	3.9	-1.8 †	3.01	+0.1 †	11.5	+3.0 †
01508803†	3.4	71.5	62.6	+17.5 †	38.7	+12.8 †	20.44	+6.69 †	63.8	+3.0 †

+ Partial record site

≠ Recording stream gaging station

Note.-- ↓ falling water table
 ↑ rising water table
 — no change in water table

Based on readings in well
nearest to measuring site

Site Location

	Site Location
01508650	West Branch Tioughnioga River at Preble
01508652	West Branch Tioughnioga River near Preble
01508665	West Branch Tioughnioga River at Little York
+ 01508700	Cold Brook at Little York
01508705	West Branch Tioughnioga River near Homer
+ 01508800	Factory Brook at State Highway 281, Homer
01508802	Factory Brook at State Highway 11, Homer
# 01508803	West Branch Tioughnioga River at Homer

SUSQUEHANNA RIVER BASIN

Otter Creek Seepage Investigations

Four series of discharge measurements were made between August 1972 and June 1974 on Otter Creek and its tributaries, to study channel gains and losses. The reach is 4.1 mi (6.6 km) in length and extends from McLean Road, 1.1 mi (1.8 km) southwest of Cortland, to Main Street in Cortland, 0.2 mi (0.3 km) upstream from the mouth, lat 42°36'33", 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	Discharge, in cubic feet per second							
			Measured	Gain or	Measured	Gain or	Measured	Gain or	Measured	Gain or
			discharge	loss	discharge	loss	discharge	loss	discharge	loss
			Aug. 17, 1972 at 60% duration		Sept. 17, 1972 at 70% duration		Aug. 31, 1973 at 90% duration		June 13, 1974 at 55% duration	
01508940	3.1	nr Cortland (at McLean Road)	3.24	-	0	-	0	-	3.45	-
01508945	4.1	tributary nr Cortland (at Sears Road)	.14	-	0	-	0	0	.39	-
01508948	3.2	tributary nr Cortland (at Fairview Drive)	0	-.14	0	0	0	0	.20	-.19
01508951	2.1	above Cortland (at State Highway 281)	2.48	-.76	0	0	0	0	2.86	-.79
01508955	0.8	at State Highway 222, at Cortland	1.41	-1.07 +	.03	+0.03 +	.03	+0.03 +	3.75	+0.89 +
01508960	0.2	at Cortland (north Main Street)	1.37	-.04	0	-.03	0	-.03	5.57	+1.82

Note.-- + indicates that the water table is falling, based on records for well C-19 at the Cortland Water Works.

Gridley Creek Seepage Investigations

Two series of discharge measurements were made during 1974 on Gridley Creek and 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 periods of constant base flow of the streams. 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	Discharge, in cubic feet per second				
			Drainage area (sq mi)	Measured discharge	Gain or loss	Measured discharge	Gain or loss
				Oct. 23, 1973 at 90% duration		June 4, 1974 at 50% duration	
01509104	7.6	at Page Green Rd nr Blodgett Mills	1.63				
01509108	6.7	near Blodgett Mills	2.96				
01509110	5.8	above Page Green Road nr Virgil	3.46			0.82	-
01509115	6.2	tributary No 3 nr Virgil	0.25			0.01	-
01509116	6.2	tributary to tributary no 3 near Virgil	0.10			0.15	-
01509118	5.8	tributary No 3 at mouth nr Virgil	0.71			0.73	+0.57
01509120	5.6	at Page Green Road nr Virgil	3.73	0	-	2.2	+0.57
01509125	5.2	at State Highway 90 nr Virgil	4.14	0	0	2.47	+0.35
01509127	5.1	tributary nr Virgil (at State Highway 90)	2.56	0.17	-	0.92	-
01509135	4.4	at Greek Peak nr Virgil	7.21	0.10	-0.070	3.48	+0.09
01509145	3.9	tributary No 2 nr East Virgil	1.87	0.01	-	1.02	-
01509150	3.6	above East Virgil	10.2	1.42	+1.310	5.76	+1.26
01509190	2.0	at State Highway 90 nr Virgil	12.3	1.601	+0.190	8.38	+2.62
01509198	1.6	nr Messengerville	12.5	1.701	+0.092	-	-
01509200	0.1	at Messengerville	16.1	2.10	+0.487	11.70	+3.32

Virgil Creek Seepage Investigations

Two series of discharge measurements were made during 1974 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 periods of constant base flow of the streams. Duration figures 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.

				Discharge in cubic feet per second		
Site no	Distance upstream from mouth of Virgil Creek (miles)	Distance and direction from Virgil (main intersection)	Virgil Creek	Drainage area (sq mi)	Measured discharge	Gain or loss
					June 4, 1974 at 50% duration	
042336540	14.8	2.1 mi north	near Virgil	0.63	.09	-
042336551	13.1	.3 mi north	above Virgil	2.35	.82	+73
042336553	12.7	.1 mi east	at Virgil	2.50	0	-.82
042336557	13.3	.9 mi northeast	tributary to tributary No 4 at Virgil	0.23	.06	
042336559	12.6	.5 mi east	tributary No 4 at N.Y. 90, Virgil	0.96	.02	-.04
042336560	12.4	.3 mi southeast	tributary No 4 at Shultz Road, Virgil	1.48	0	-.02
042336563	11.8	.5 mi south	below Virgil	4.56	.18	+18
042336565	11.9	.5 mi south	tributary No 5 at Virgil	0.39	.80	-
	12.6	.5 mi south	below tributary No 5 at Virgil		*.98	0

*Sum of discharge of Virgil Creek below town of Virgil and Virgil Creek Tributary No 5 at Virgil

Dryden Lake Inlet Seepage Investigations

Six series of discharge measurements were made during the 1974 water year, on April 25, June 5, 25, August 12, 24, and September 20, on Dryden Lake Inlet to study channel gains and losses. The reach is 0.77 mi (1.24 km) in length and extends from a point 0.26 mi (0.42 km) upstream from gaging station Dryden Lake Inlet near Harford, N.Y. (04233678) to a point 0.51 mi (0.82 km) downstream, at railroad bridge. 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 the tributary is inserted in the order in which it enters the main stream.

Distance upstream from RR bridge at end of study reach	Discharge in cubic feet per second							
	Measured discharge	Gain or loss	Measured discharge	Gain or loss	Measured discharge	Gain or loss	Measured discharge	Gain or loss
	April 25, 1974		June 5, 1974		June 25, 1974		Aug. 12, 1974	
0.51 mi (04233678)	2.85	-	1.13	-	0.35	-	0.008	-
0.47 mi	-	-	-	-	-	-	0	-.008
0.41 mi (tributary)	.07	-	-	-	-	-	0	0
0.37 mi	-	-	1.12	-.01	.35	Trace	0	0
0.31 mi	2.86	-.06	-	-	-	-	0	0
0.23 mi	-	-	.94	-.18	.17	-.18	0	0
0.15 mi	-	-	-	-	0	-.17	0	0
0.03 mi	2.81	-.05	.69	-.25	0	0	0	0
	Aug. 24, 1974		Sept. 20, 1974		*Oct. 16, 1974		*Oct. 17, 1974	
0.77 mi	0.02	-	-	-	-	-	-	-
0.55 mi	0	-.02	-	-	-	-	-	-
0.51 mi (04233678)	0	0	.11	-	0.21	-	0.55	-
0.38 mi	0	0	0	-.11	-	-	-	-
0.37 mi	0	0	.02	+.02	.16	-.05	.36	-.19
0.34 mi	0	0	0	-.02	-	-	-	-
0.23 mi	0	0	0	0	0	-.16	-	-
0.21 mi	0	0	0	0	.12	+.12	.38	+.02
0.18 mi	0	0	0	0	0	-.12	-	-
0.12 mi	0	0	0	0	0	0	.14	-.24
0.10 mi	0	0	0	0	0	0	0	-.14

* Two additional series of measurements were made on October 16 and 17, 1974, during the 1975 water year. Since these measurements were made as an extension of the 1974 project they are included in this table.

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PLATE 1.--LOCATION OF SURFACE-WATER STATIONS AND WATER-QUALITY STATIONS



PLATE 1A.--LOCATION OF SURFACE-WATER STATIONS AND WATER-QUALITY STATIONS

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