

Water Resources of Monroe County, New York, Water Years 1984-88, with Emphasis on Water Quality in the Irondequoit Creek Basin

Part 1. Water-Resources Data
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CONVERSION FACTORS AND VERTICAL DATUM

Multiply	By	To Obtain
Length		
inch (in.)	2.54	centimeter
foot (ft)	0.3048	meter
mile (mi)	1.609	kilometer
Area		
square mile (mi ²)	2.59	square kilometer
acre	0.40483	hectare
Flow		
cubic foot per second (ft ³ /s)	0.02832	cubic meter per second
inch per year (in/yr)	25.4	millimeter per year
million gallons per day (Mgal/d)	3.785	cubic meters per day
gallons per minute (gal/min)	0.06309	liter per second
gallons per second (gal/s)	0.0010515	liter per second
Volume		
cubic feet (ft ³)	0.02832	cubic meters
Temperature		
degrees Fahrenheit (°F)	°C = 5/9 (°F-32)	degrees Celsius
Specific Conductance		
microsiemens per centimeter at 25° Celsius (μS/cm)		
Equivalent Concentration Terms		
milligrams per liter (mg/L) ≈ parts per million		
micrograms per liter (μg/L) = parts per billion		
Load		
Tons per day (t/d) x 907.1 kilograms per day		

National Geodetic Vertical Datum of 1929 (NGVD) is a geodetic datum derived from a general adjustment of the first order level nets of both the United States and Canada. Although the datum was derived from the average sea level over a period of many years at 26 tide stations along the Atlantic, Gulf of Mexico, and Pacific Coasts, it does not necessarily represent local mean sea level at any particular place.

DEFINITION OF TERMS¹

Terms related to streamflow, water quality, and other hydrologic data, as used in this report, are defined as follows.

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

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

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

Fecal coliform bacteria: bacteria that are present in the intestines or feces of warm-blooded animals and are indicators of the sanitary quality of the water. In the laboratory they are defined as all organisms that produce blue colonies within 24 hours when incubated at $44.5^{\circ}\text{C} \pm 0.2^{\circ}\text{C}$ on M-FC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Fecal streptococcal bacteria: bacteria found in intestines of warm-blooded animals. Their presence in the water is considered to verify fecal pollution. They are characterized as gram-positive, cocci bacteria that are capable of growth in brain-heart-infusion broth. In the laboratory they are defined as all organisms that produce red or pink colonies within 48 hours at $35^{\circ}\text{C} \pm 1.0^{\circ}\text{C}$ on KF medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

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

Control: a feature downstream from the gage that determines the stage-to-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.

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

Cubic feet per second per square mile (CFSM): the average number of cubic feet of water flowing per second from each square mile of area drained, on the assumption that the runoff is distributed uniformly over time and area.

Cubic foot per second (FT^3/S , ft^3/s): the rate of discharge representing a volume of 1 ft^3 passing a given point during 1 second; equivalent to about 7.48 gallons per second, 448.8 gal/min, 0.02832 cubic meters per second.

Discharge: the volume of water (or more broadly, volume of fluid plus suspended sediment) that passes a given point within a given period of time.

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

Instantaneous discharge: the discharge at a particular instant.

Dissolved: that material in a representative water sample which passes through a 0.45- μ membrane filter. This is a convenient operational definition used by federal agencies that collect water data. Determinations of "dissolved" constituents are made on subsamples of the filtrate.

Drainage area of a stream at a specific location: that area, measured in a horizontal plane, enclosed in a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the stream above the specified point. Drainage area values herein include all closed basins, or

¹ Modified from Campbell and others, 1991.

noncontributing areas, within the area unless otherwise noted.

Drainage basin: an area occupied by a drainage system that consists of a stream or a body of impounded surface water together with all tributary streams and bodies of impounded surface water.

Gage height (G.H.): the water-surface elevation as referred to some arbitrary gage datum. Gage height is often used interchangeably with the more common term "stage," although gage height is more appropriate when used with a reading on a gage.

Gaging station: a particular site on a stream at which systematic hydrologic measurements are obtained.

Hydrologic unit: a geographic area representing part or all of a surface drainage basin or a distant hydrologic feature as delineated on the Hydrologic Unit Maps. Each hydrologic unit is identified by an 8-digit number.

Micrograms per liter (UG/L, $\mu\text{g/L}$): the concentration of chemical constituents in solution as mass (micrograms) of solute per unit volume (liter) of water. One thousand micrograms per liter is equivalent to 1 milligram per liter.

Milligrams per liter (MG/L, mg/L): the concentration of chemical constituents in solution as mass (milligrams) of solute per unit volume (liter) of water. Suspended-sediment concentration is expressed in mg/L and is based on the mass of sediment per liter of water-sediment mixture.

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

Sediment: solid material that originates mostly from disintegrated rocks and is transported by, suspended in, or deposited from water; it includes chemical and biochemical precipitates and decomposed organic material, such as humus. The quantity and characteristics of sediment in streams are influenced by environmental factors, some of which are degree of slope, length of slope, soil characteristics, land use, and quantity and intensity of precipitation.

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

Suspended-sediment concentration: the velocity-weighted concentration of suspended sediment in the sampled zone (from the water surface to a point about 0.3 ft above the streambed), expressed as milligrams of dry sediment per liter of water-sediment mixture (mg/L).

Suspended-sediment discharge (tons/day): the rate at which dry weight of sediment passes a section of a stream, or the quantity of sediment, as measured by dry weight or volume, that passes a section in a given time. It is computed as discharge multiplied by mg/L , multiplied by 0.0027.

Specific conductance: a measure of the ability of water to conduct an electrical current, expressed in microsiemens per centimeter ($\mu\text{S/cm}$) at 25°C . Specific conductance is related to the type and concentration of ions in solution and can be used for approximating the dissolved-solids concentration of the water. Commonly, the concentration of dissolved solids (in milligrams per liter) is about 65 percent of the specific conductance (in microsiemens). This relation is not constant from stream to stream, however, and can vary within the same stream with changes in the composition of the water.

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

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

Suspended, recoverable: the amount of a given constituent that is in solution after the part of a representative water-and-suspended-sediment sample that is retained on a $0.45\text{-}\mu$ mem-

brane filter has been digested by a method (usually a dilute acid solution) that results in dissolution of only readily soluble substances. Because digestion treatment does not achieve complete dissolution of all particulate matter, the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Determinations of "suspended, recoverable" concentrations are made either through analysis of the material collected on the filter or, more commonly, as the difference between dissolved and total recoverable concentrations of the constituent.

Suspended, total: the total amount of a given constituent in the part of a representative water-and-suspended-sediment sample that is retained on a 0.45- μ membrane filter. This term is used only when the analytical procedure ensures measurement of at least 95 percent of the constituent. To determine when the results should be reported as "suspended, total" requires knowledge of the expected form of the constituent in the sample, as well as of the analytic methods used.

Determinations of the "suspended, total" constituents are made either through analysis of parts of the material collected on the filter or, more commonly, through determinations of (1) dissolved and (2) total concentration of the constituent.

Total load (tons): the total quantity of any individual constituent, as measured by dry mass or volume, that is dissolved in a specific amount of water (discharge) during a given time. It is computed as the product of the total discharge, the concentration of the constituent (mg/L), the factor 0.0027, and the number of days.

Total (as used in tables of chemical analyses):

Total, recoverable: the amount of a given constituent that is in solution after a representative water- and-suspended-sediment sample has been digested by a method (usually a

dilute acid solution) that results in dissolution of only readily soluble substances. Because the digestion treatment does not achieve complete dissolution of all particulate matter, the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the dissolved and suspended phases of the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce differing analytical results.

Total: the total amount of a given constituent in a representative water-and-suspended sample, regardless of the constituent's physical or chemical form. This is used only when the analytical procedure ensures measurement of at least 95 percent of the constituent present in both the dissolved and suspended phases of the sample. Judgment as to when the results should be reported as "total" requires knowledge of the expected form of the constituent in the sample, as well as the analytical methods used. (The word "total" here denotes that the sample consists of a water-and-suspended-sediment mixture, and that the analytical method accounts for all of the constituent in the sample.)

Water Year: The 12-month period from October 1 of a given calendar year to September 30 of the following calendar year.

WDR: an abbreviation for "Water-Data Report," used in the REVISED RECORDS paragraphs to refer to U.S. Geological Survey annual data reports published beginning in 1975.

WRD: an abbreviation for "Water Resources Data," in the REVISED RECORDS paragraphs to refer to U.S. Geological Survey annual data reports published before 1975.

WSP: an abbreviation for U.S. Geological Survey "Water-Supply Paper," used in reference to published reports.

Water Resources of Monroe County, New York, Water Years 1984-88, with Emphasis on Water Quality in the Irondequoit Creek Basin

Part 1. Water-Resources Data

By William H. Johnston, and Donald A. Sherwood

Abstract

Monroe County, in the Lake Ontario Plain region of western New York, has an area of about 673 square miles (mi²). The easternmost part of the county contains the 169-mi² Irondequoit Creek Basin, the water quality of which has been documented for over 100 years. Continued pollution of Irondequoit Creek has contributed to the accelerated eutrophication of Irondequoit Bay. During 1980-81, the U.S. Geological Survey and the Monroe County Environmental Health Laboratory collected stream-discharge and water-quality data in the Irondequoit Creek basin near Rochester, N.Y., as part of the National Urban Runoff Program (NURP) study and continue to collect data to document changes in the concentrations of chemical constituents and sediment loads over time.

This report presents records of (1) streamflow, water levels (stage), and chemical quality of streams; (2) water levels and quality of ground water; and (3) quantity and quality of precipitation, in Monroe County during water years 1984-88. Included are tables of daily mean stage, daily mean discharge, total daily precipitation, water levels in wells, surface-water and ground-water quality, and precipitation data for each of the 5 years covered. Stream-discharge data were collected at 9 sites, stage-only data at 1 site, and water-quality data at 6 sites. Ground-water levels were measured at 10 wells, and ground-water-quality data were collected at 9 wells and 3 springs. Precipitation-volume data were collected at 4 sites, and atmospheric-quality (wetfall, dustfall, and bulk deposition) data at 1 site. These data can be used by county officials, planners, engineers, and consultants working on projects within the county and provide a basis for future water-resource studies within the county.

INTRODUCTION

The continued deterioration of water quality in Irondequoit Bay and its main tributary, Irondequoit Creek, has been documented for more than 100 years (Kappel and others, 1986). More than 30 reports on the chemical quality of Irondequoit Bay and its tributaries, published during 1964-82 by the Rochester Committee for Scientific Information, have drawn community attention to the need to improve water quality in the Irondequoit Creek Basin. Monroe County has invested millions of dollars since 1971 to prevent the discharge of sewage into the Irondequoit watershed. Kappel and others (1986) summarize the water-quality documentation and briefly discuss previous water-quality studies of the bay and the Irondequoit Creek Basin.

In 1979, the U.S. Geological Survey (USGS) entered into a cooperative agreement with Monroe County to study the quantity and quality of storm runoff in the Irondequoit Creek Basin (Zarriello and others, 1984; Kappel and others 1986) as part of the National Urban Runoff Program (NURP). Since completion of that study in 1981, the USGS, the Monroe County Department of Health, and the Monroe County Environmental Health Laboratory (MCEHL) have continued to collect precipitation, stream-discharge, and chemical-quality data at selected sites in the basin to document temporal changes in the concentration of chemical constituents and in sediment loads to form a basis for evaluation of the success of county programs in improving water quality in the basin. Records from the Irondequoit Creek watershed are presented herein; these include streamflow and water-quality data from 5 streamflow-gaging stations, precipitation data from 4 sites,

and ground-water data from 10 wells to supplement the precipitation and surface-water network.

Additional data presented herein include (1) long-term streamflow data from the part of the St. Lawrence River Basin that lies within Monroe County (these data were collected by the USGS through cooperative programs with State and other federal agencies and are available from USGS files), and (2) water-quality data from a NASQAN site¹ near the mouth of the Genesee River. These long-term data can be used to define the relation between past and present streamflow and water quality and to indicate recent trends.

All information used in preparation of records in this report, such as discharge-measurement notes, water-temperature measurements, gage-height records, and rating tables, is on file in the USGS office in Ithaca, N.Y. Most gaging-station records are also available in computer-readable form, and many statistical analyses are available. Information on the availability of unpublished data or statistical analyses can be obtained from the USGS office in Ithaca or Albany, N.Y.

Study Area

Monroe County, in the Lake Ontario Plain region of western New York (fig. 1) has a total area of about 673 mi² (Heffner and Goodman, 1973). Rochester, the county seat and largest city, is in the northern part of the county.

The largest water course in Monroe County is the Genesee River, which has a drainage area of 2,480 mi² at its mouth (Wagner and Dixon, 1985), and flows northward through Rochester into Lake Ontario. West of the Genesee River are several smaller drainage basins ranging in size from less than

5 mi² to about 88 mi². These streams flow northeastward into Lake Ontario or one of the several bays of the western part of the Rochester Embayment. East of the Genesee River are several small drainage basins ranging from less than 0.2 mi² in size to nearly 24 mi², that flow north or northwestward into Lake Ontario, and the Irondequoit Creek Basin (169 mi²), which empties into Irondequoit Bay.

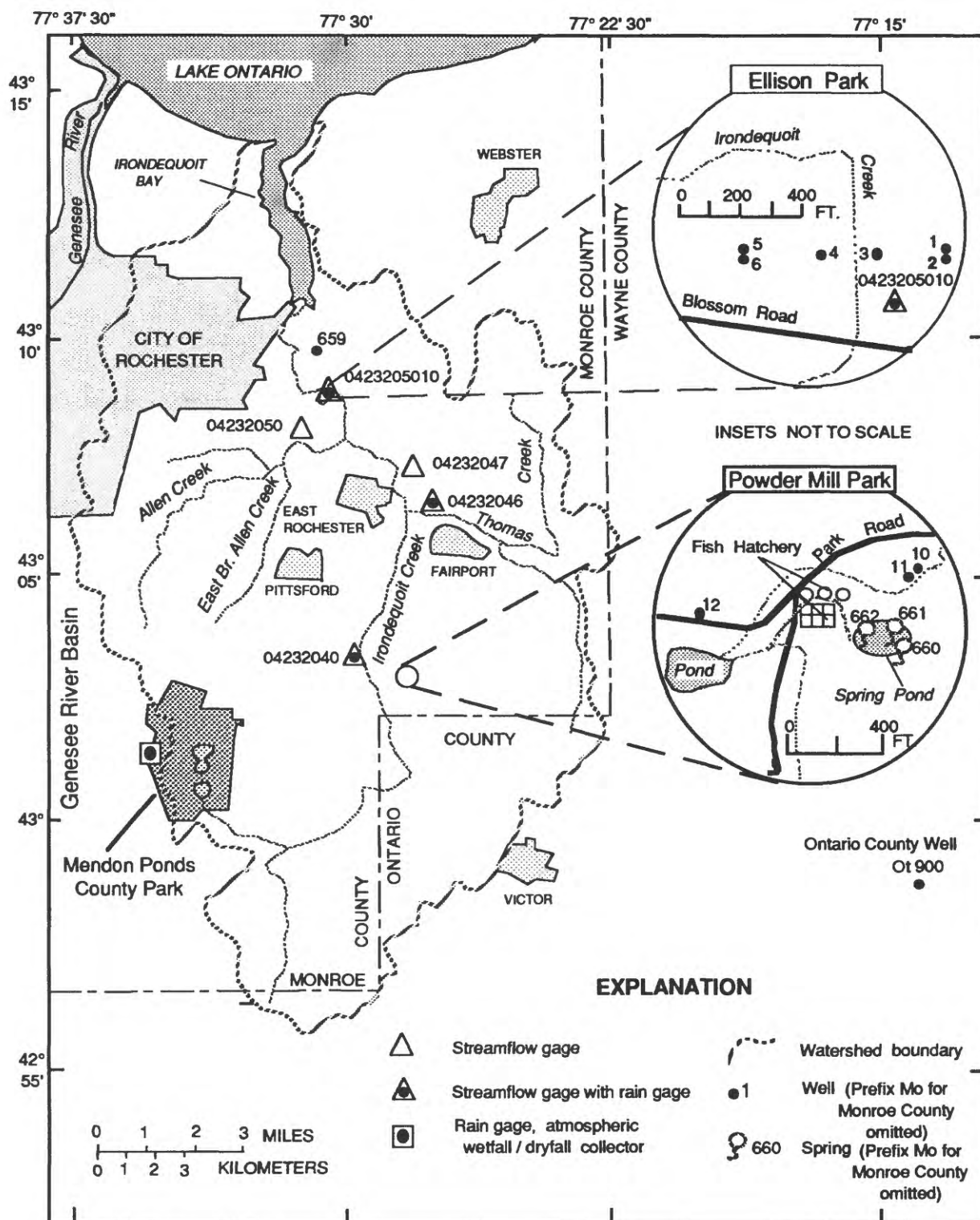
Irondequoit Creek drains into Lake Ontario through Irondequoit Bay (fig. 2). The drainage basin, mostly in eastern Monroe County, includes drainage from the east side of the city of Rochester and from neighboring Ontario and Wayne Counties. A more complete basin description that includes stormwater and sanitary-sewer systems, drinking-water supplies, surface geology, and climate, is given in Kappel and others (1986). The glacial history and geohydrology of the Irondequoit Creek valley are discussed in Kappel and Young (1989).

The Erie Canal flows southeastward through the middle of the county and receives flow from the head-water areas of many streams. The canal contains diversion structures at several points so that water can be discharged from the canal for flow augmentation of several small streams during low-flow conditions. The canal crosses the Genesee River 11.8 mi upstream from its mouth. Water diverted by the canal from Lake Erie is discharged into the river from the west. A smaller amount of water is then diverted from the Genesee River eastward into the canal.

Purpose and Scope

This report presents all water-resources data collected within Monroe County through USGS cooperative programs from October 1983 through September 1988. It presents records of stage, streamflow, and chemical quality of streams; ground-water levels and quality at wells and springs, and chemical quality and daily amount of precipitation at rain gages. These records represent (1) streamflow at 9 gaging stations, water quality at 5 of these stations and 1 NASQAN site, and stage-only at 1 station; (2) water levels at 10 and chemical quality of water at 9 observation wells and water quality at 3 springs; and (3) precipitation quality at 1 site and total daily precipitation at 4 rain gages. Water-quality tables list concentrations of selected nutrients and common ions, and values for several physical properties.

¹ Genesee River at Charlotte Docks at Rochester (04232006, p. 66-76) is part of the National Stream Quality Accounting Network (NASQAN). It is a data-collection network designed by USGS to meet many of the information demands of agencies or groups involved in national or regional water-quality planning and management. Both accounting and broad-scale monitoring objectives have been incorporated into the network design. NASQAN sites are generally at the downstream ends of major streams. Primary objectives of the network are (1) to regularly depict and monitor areal variability of streamflow and water quality in streams flowing from the United States and (2) to detect and assess long-term changes in streamflow and stream quality.



Base from U.S. Geological Survey
State base map, 1: 500,000, 1974

Figure 2. Locations of gages, wells, and springs within Irondequoit Creek Basin.

Acknowledgments

Organizations that assisted in the collection of data included in this report, through cooperative agreement with USGS are: the New York State Department of Environmental Conservation and three Monroe County agencies—Department of Health, Division of Engineering, and Water Authority. Assistance in the form of funds for data collection at selected gaging stations was also given by the U.S. Army Corps of Engineers.

Special thanks are extended to MCEHL for assistance in the collection and analysis of data. Laboratory staff maintained samplers, collected, split, and analyzed water samples, assisted in the maintenance of water-stage and precipitation recorders, made discharge measurements, measured ground-water levels and collected water-quality samples at observation wells, and verified the data presented in this report. Richard Burton, laboratory administrator, provided guidance and suggestions throughout the data-collection period. Lisa Spittal of MCEHL organized and prepared the chemical-quality data for entry into the USGS data base. Staff of the Powder Mill Park fish hatchery assisted in the measurement of ground-water levels at the Powder Mill Park wells.

SUMMARY OF HYDROLOGIC CONDITIONS, BY WATER YEAR

Hydrologic conditions in Monroe County fluctuated considerably during water years 1984-88. Surface-water, discharges, ground-water levels, and precipitation amounts are discussed by water year later in this section.

Annual mean discharges in the county ranged from 64 percent to 143 percent of long-term averages, and annual mean ground-water levels in a long-term observation well southeast of Monroe County were below normal. The total precipitation for the 5-year period, recorded at the Rochester Airport, by contrast, was nearly 10 in. above normal. Precipitation data collected in the Irondequoit Creek watershed indicate consistently lesser amounts of precipitation than at the Rochester Airport.

Surface Water

Surface-water records representing 11 sites in Monroe County, 6 sites in the Genesee River Basin, and 5 sites in the Irondequoit Creek Basin are given

herein. Three of the Irondequoit Creek Basin sites were established in 1980 as part of the NURP study (Zarriello and others, 1984). Streamflow and chemical-quality data are collected at all 5 sites in the Irondequoit Creek Basin. In the Genesee River Basin streamflow data are collected at 4 of the sites, chemical quality data are collected at Charlotte Docks (04232006) (fig. 1), and stage-only data are collected at Ballantyne Bridge (04230650) (fig. 1).

Discharge-frequency statistics were computed for unregulated discharge stations with more than 9 years of record. These values were compared with 1984-88 data to indicate the representativeness of streamflow during 1984-88. Genesee River at Rochester (04232000) streamflow is affected by regulation at Mt. Morris Reservoir, Rushford Lake (both outside the study area), the Erie Canal, and powerplants upstream from the station. Honeoye Creek at Honeoye Falls (04229500) is regulated by diversion and regulation of Canadice and Hemlock Lakes (outside the study area) and by mills upstream from the station. Records from Oatka Creek at Garbutt (04230500) and Black Creek at Churchville (04231000), each with 44 years of record, are suitable for hydrologic comparison (table 1). In the Irondequoit Creek Basin, only Allen Creek near Rochester (04232050), with 29 years of record, and Irondequoit Creek at Linden Avenue, East Rochester (04232047), with 15 years of record, have been in operation long enough to provide hydrologic comparison. Although these sites are subject to minor diversions from the Erie Canal, as are several other sites in the basin, the hydrologic comparison of mean annual flows shown in table 1 indicates similar departures for most years from the average discharge for the period of record. Table 1 also indicates that, on an annual basis, Allen Creek near Rochester is fairly representative of the Irondequoit Creek Basin.

Discharge

Annual mean discharges in north-central New York State during water years 1984-88 were in the above-average, near-average, and below-average range (table 1). Monthly means for Allen Creek near Rochester, representing the Irondequoit Creek Basin, during the same period (fig. 3) were commonly well above or below the median value for the particular month. The median for monthly means was calculated from a statistical analysis of daily streamflow data that computed monthly means for all months for

Table 1. Annual mean discharge for selected stations in Monroe County, water years 1984-88, with average discharge for period of record

[ft³/s = cubic feet per second. Locations are shown in fig. 1]

Station number	Station name and period of record	Average discharge (ft ³ /s)	Water year	Mean discharge (ft ³ /s)	Percentage of average discharge
04230500	Oatka Creek at Garbutt 1946-89	214	1984	305	143
			1985	199	93
			1986	277	129
			1987	242	113
			1988	159	74
04231000	Black Creek at Churchville 1946-89	115	1984	157	138
			1985	98.5	86
			1986	144	126
			1987	126	111
			1988	85.4	75
04232047	Irondequoit Creek at Linden Avenue 1974-89	91.7	1984	107	117
			1985	66.3	72
			1986	97.4	106
			1987	98.6	108
			1988	66.1	72
04232050	Allen Creek near Rochester 1961-89	32.1	1984	42.2	131
			1985	24.5	76
			1986	36.5	114
			1987	29.3	91
			1988	21.1	66

water years 1965-83. The means for each month were then ranked and the median selected so that, statistically, half (50 percent) of the values for any particular month would fall above the median and half below.

The normal range for daily values also was calculated from a statistical analysis of daily streamflow data for water years 1965-83. Means for each day of the year were ranked, and 20-percent, 50-percent, and 80-percent points selected so that 20 percent of the means for any particular day would be greater than the 20th percentile, and 20 percent would be less than the 80th percentile. The remaining 60 percent of the values would fall between the 20th and 80th percentiles or in the normal range. The 50th percentile value represents the median discharge for any particular day.

1984 water year (fig. 3A).--Mean monthly streamflow, which began below the median, was above the median much of the year (fig. 3A) as a result of above-average precipitation in the form of

rain and snowfall during the fall, winter, and early spring. Warming trends in early spring contributed to the above-median streamflow conditions. By June, monthly mean streamflow had returned to below the median but recovered to just above the median by August. Daily streamflows were largely in the normal range for most of the year except for brief rises caused by snowmelt and seasonal rainstorms.

1985 water year (fig. 3B).--Daily and monthly mean streamflow were in the below-normal range at the beginning of the 1985 water year and in the low-normal range during much of the rest of the year. An early winter rise resulted from unseasonably high temperatures accompanied by precipitation in the form of rain and snow, which melted rapidly. High-normal streamflow persisted until mid-January, when streamflow returned to the low-normal range. February and March rises were caused by thawing conditions accompanied by rains, and low-normal streamflow conditions returned within a few days.

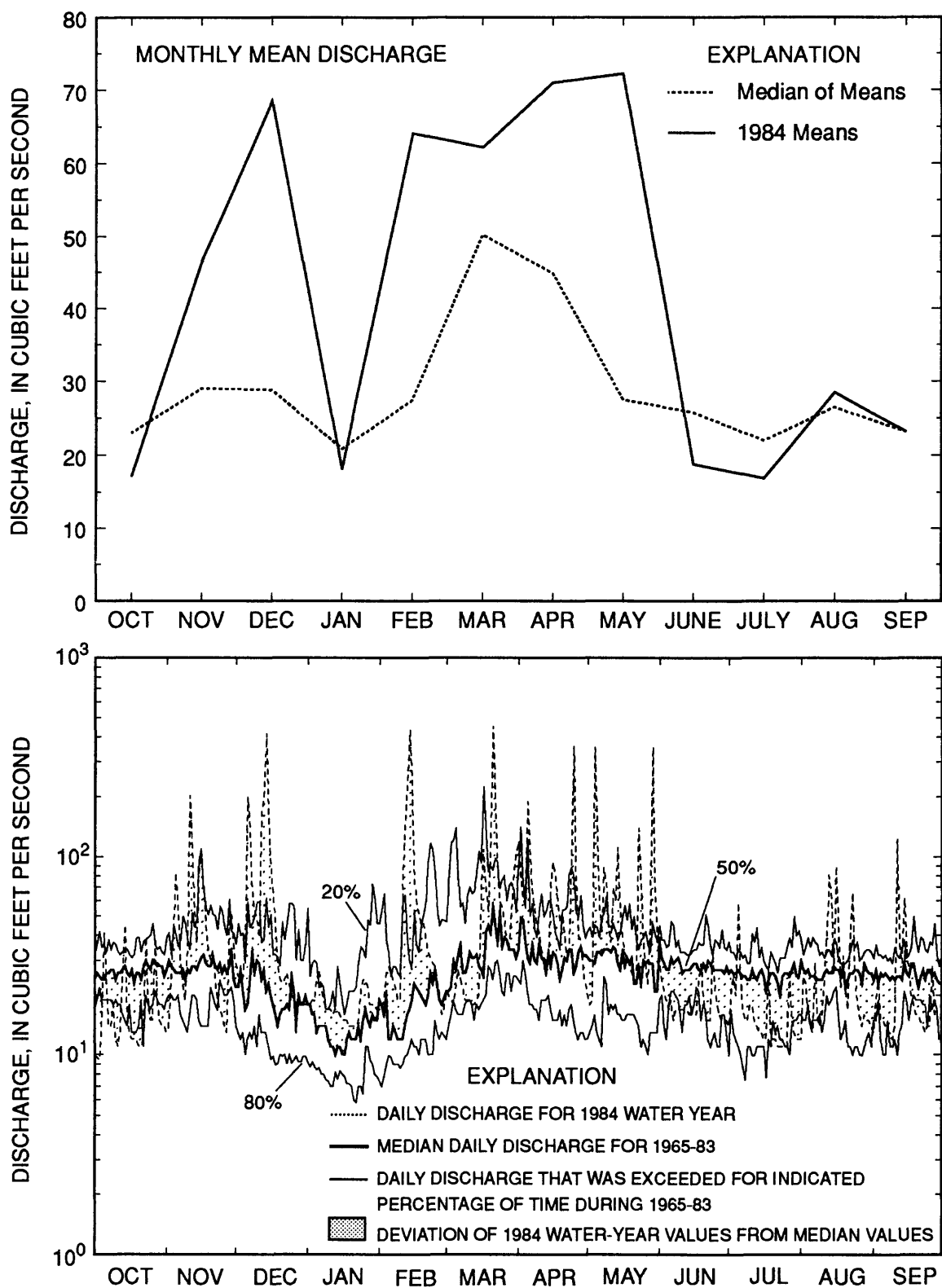


Figure 3A. Hydrographs for Allen Creek near Rochester, water year 1984. Above, monthly mean discharge during water year 1984 with median of monthly mean discharges for period of record. Below, median, 20 per cent, and 80 percent discharges for 1965-83 period of record and daily discharges during water year 1984 with deviation from median values.

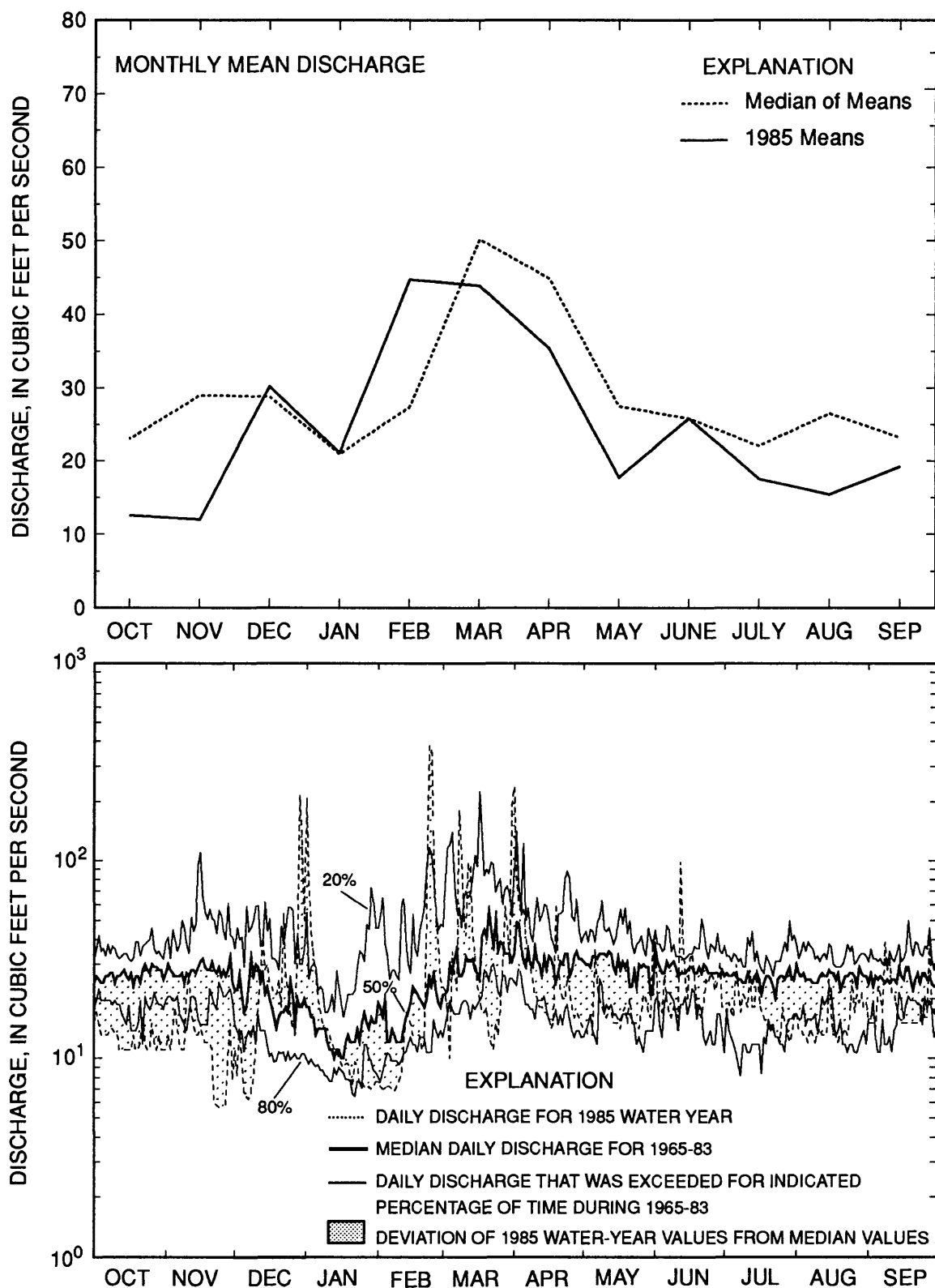


Figure 3B. Hydrographs for Allen Creek near Rochester, water year 1985. Above, monthly mean discharge during water year 1985 with median of monthly mean discharges for period of record. Below, median, 20 percent, and 80 percent discharges for 1965-83 period of record and daily discharges during water year 1985 with deviation from median values.

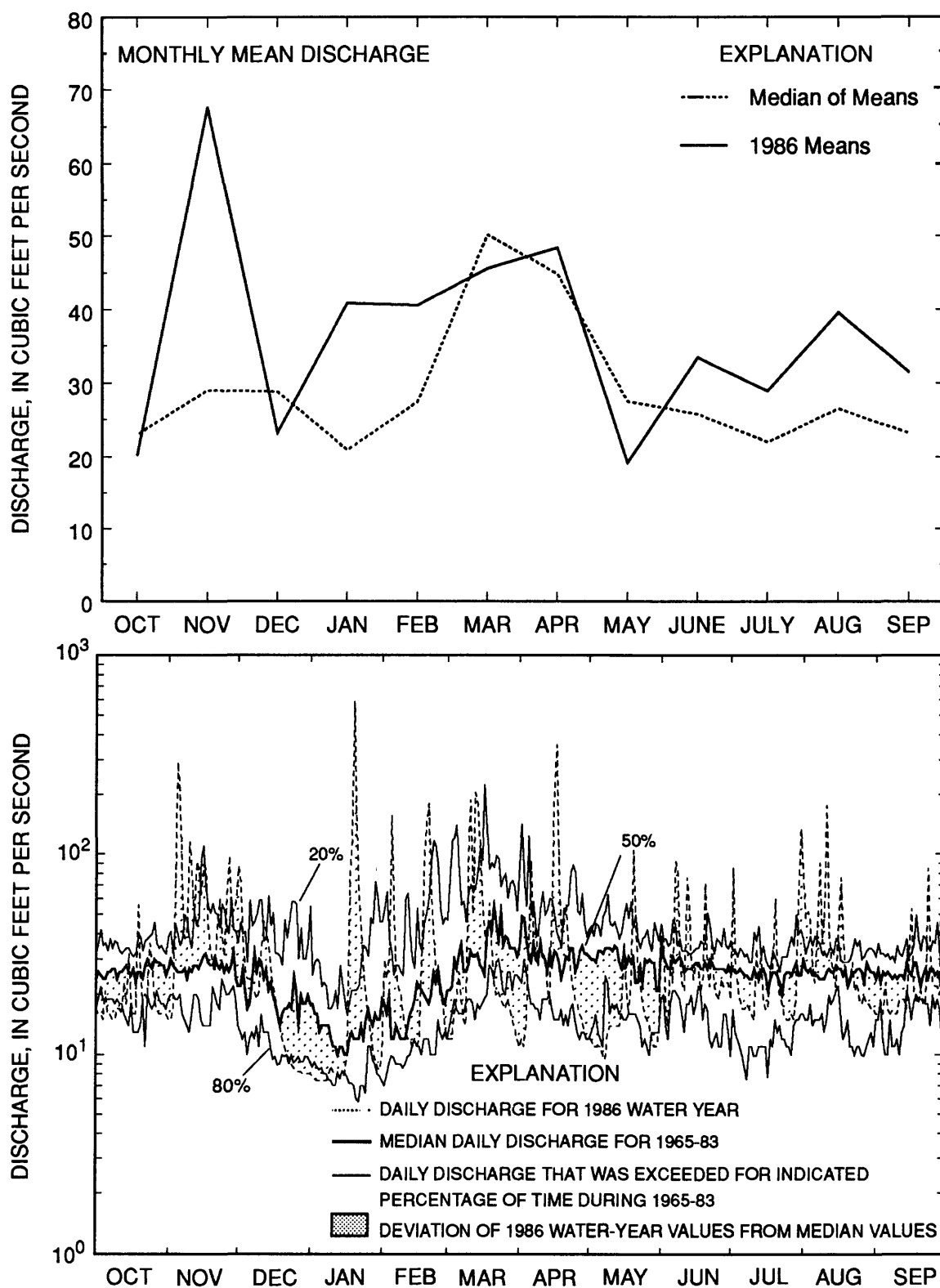


Figure 3C. Hydrographs for Allen Creek near Rochester, water year 1986. Above, monthly mean discharge during water year 1986 with median of monthly mean discharges for period of record. Below, median, 20 percent, and 80 percent discharges for 1965-83 period of record and daily discharges during water year 1986 with deviation from median values.

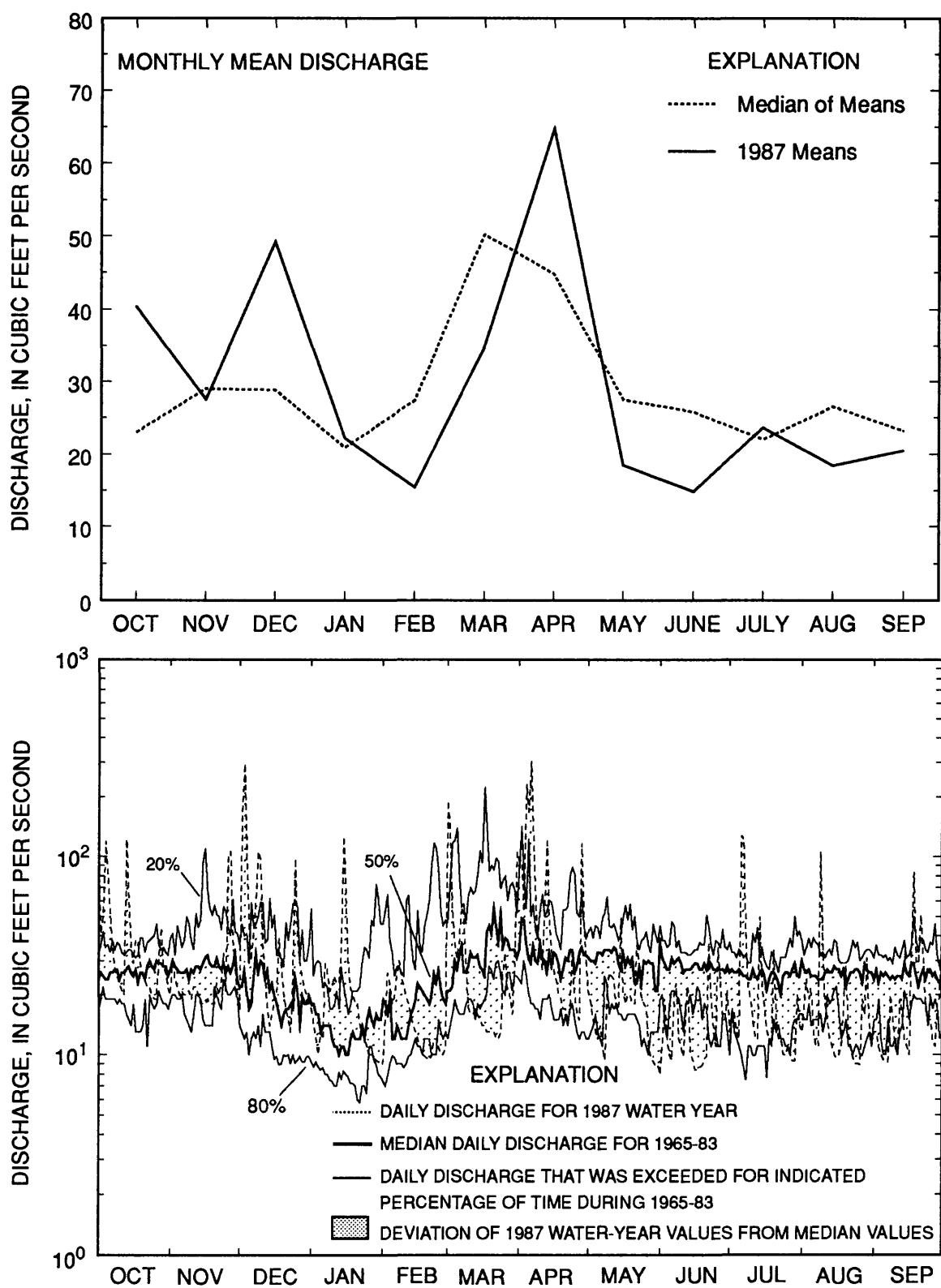


Figure 3D. Hydrographs for Allen Creek near Rochester, water year 1987. Above, monthly mean discharge during water year 1987 with median of monthly mean discharges for period of record. Below, median, 20 percent, and 80 percent discharges for 1965-83 period of record and daily discharges during water year 1987 with deviation from median values.

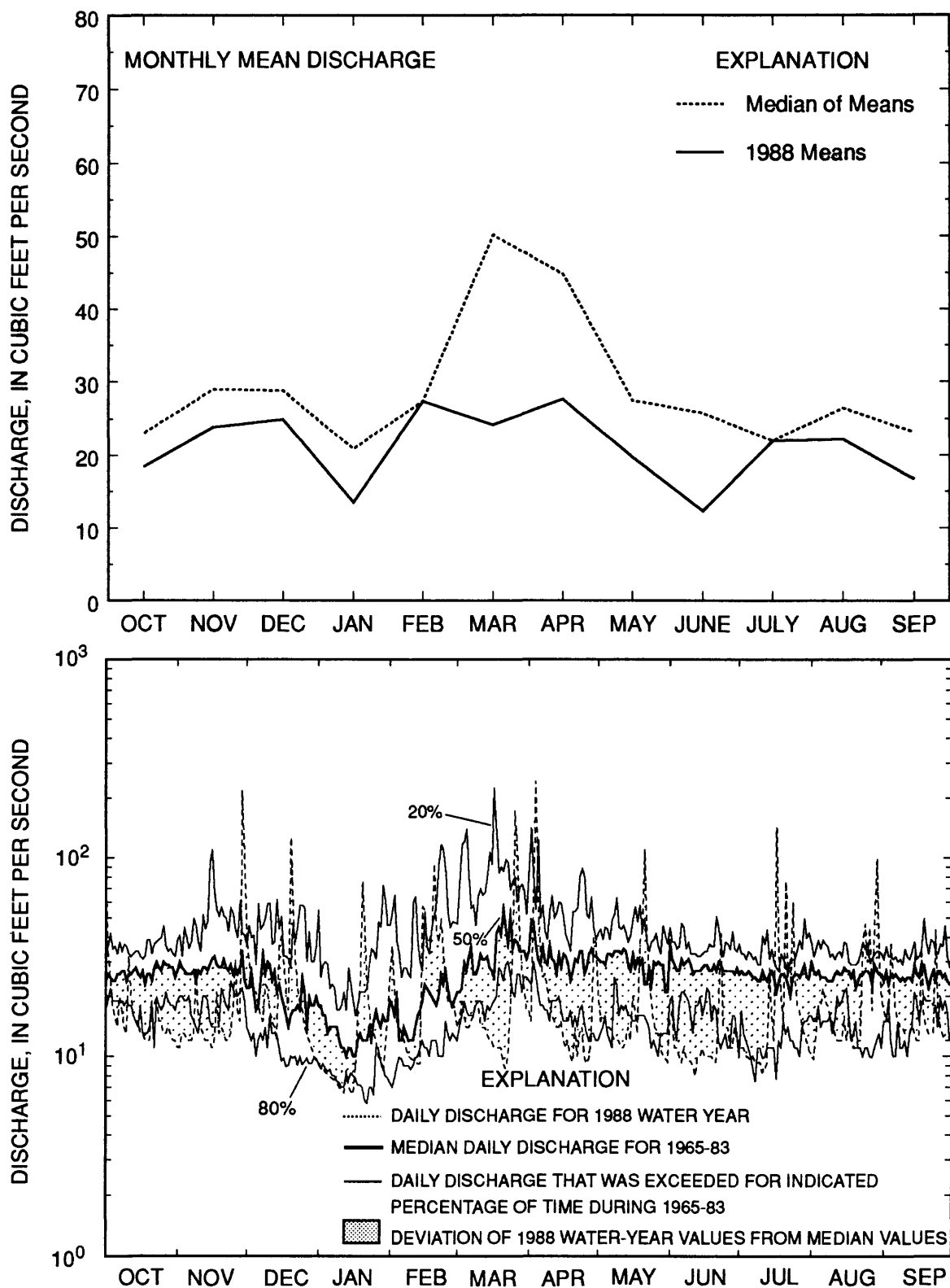


Figure 3E. Hydrographs for Allen Creek near Rochester, water year 1988. Above, monthly mean discharge during water year 1988 with median of monthly mean discharges for period of record. Below, median, 20 percent, and 80 percent discharges for 1965-83 period of record and daily discharges during water year 1988 with deviation from median values.

1986 water year (fig. 3C).--October monthly mean streamflow was below the median. Frequent rain showers and intermittent moderate to heavy precipitation into mid-December brought daily mean flows into the high range throughout most of the fall, with short periods above normal. During early winter, flows receded and remained normal but fluctuated between extreme conditions in response to unseasonable temperature fluctuations. Unseasonably high temperatures accompanied by rain often caused thawing. The spring streamflows were in the low-normal range, and summer streamflows fluctuated in response to frequent showers and thunderstorms. Most monthly means were near or above the monthly median. Late summer flows receded to the low-normal range, but three large storms in the second half of September brought streamflows into the above-normal range by the end of the water year.

1987 water year (fig. 3D).--Frequent fall showers kept flows in the above-normal range during much of the first month (October) of the 1987 water year, but they receded rapidly and remained in the low-normal range through the rest of the fall. Precipitation in the form of rain, sleet, and snow caused flows to increase again to the above-normal range in early winter and to remain in the high-normal range until freezing mid-winter temperatures caused them to recede into the normal to low-normal range. Early spring rain and snowmelt increased streamflow to above normal, but it receded rapidly and remained in the low-normal range until the onset of spring runoff, when it increased to above normal. By mid-spring, streamflow had receded to normal and continued into the below-normal range. Except for several rises from spring and summer rains, streamflow for the rest of the water year remained mostly in the low-normal range.

1988 water year (fig. 3E).--Monthly mean streamflow throughout the 1988 water year was at or below the monthly median. Daily streamflow was below normal through most of the fall but fluctuated between extremes from early winter through spring in response to heavy rains and warming trends followed by freezing conditions. Streamflow during most of March was below normal, but heavy rains in late March and early April produced monthly high streamflows. Precipitation during the remainder of the water year consisted of scattered showers and thunderstorms. Except for these periods of rainfall, streamflow was in the low-normal to below-normal range for the rest of the water year.

Chemical Quality

Chemical data, collected and analyzed by MCEHL from the various sites in the Irondequoit Creek Basin, indicated that yearly mean concentrations of most constituents were relatively constant during 1984-88. Dissolved orthophosphorus and ammonia seemed to have the most consistent yearly mean concentration from year to year and site to site. Other constituents, especially those associated with suspended or total fraction, were more variable. Box-plots for each station (fig. 4) show the distribution of constituent concentrations over the 5-year period. Three of the five sites had slightly higher mean chloride concentrations during the 1985 water year than in other years.

Water-quality data, collected and analyzed by USGS, from the Genesee River at Charlotte Docks, a long-term NASQAN site, indicated no significant changes in chemical or biological quality during 1984-88. Nearly all values of all constituents were within historical extremes for the site.

Ground Water

Community water supplies deliver about 4.47 Mgal/d of ground water to more than 45,000 residents of Monroe County (D.S. Lumia, U.S. Geological Survey, oral commun., 1992). Individual wells supply 1.9 Mgal/d to an estimated 25,400 homes throughout rural areas of the county. Ground water also is an important factor in maintaining streamflow during periods of limited rainfall. The ground-water system generally receives the greatest annual recharge during snowmelt periods, which are often accompanied by rain. During the growing season, recharge occurs only when rainfall exceeds evapotranspiration.

The aquifer system in the Irondequoit Valley, as described in detail by Kappel and Young (1989), is continuous, but flow is restricted by the buried Pinnacle Hills Moraine (Kappel and Young, 1989, fig. 3 and pls. 1A and 1B), which transects the valley north of the Ellison Park wells and south of well Mo 659 (B86-2) (fig. 2). The aquifers north and south of the moraine have only limited subsurface connections through that part of the moraine, which is continuously incised by Irondequoit Creek (Kappel and Young, 1989). Ground water discharges from the Powder Mill Park area as seepage directly into Irondequoit Creek, as springs along the base of the east

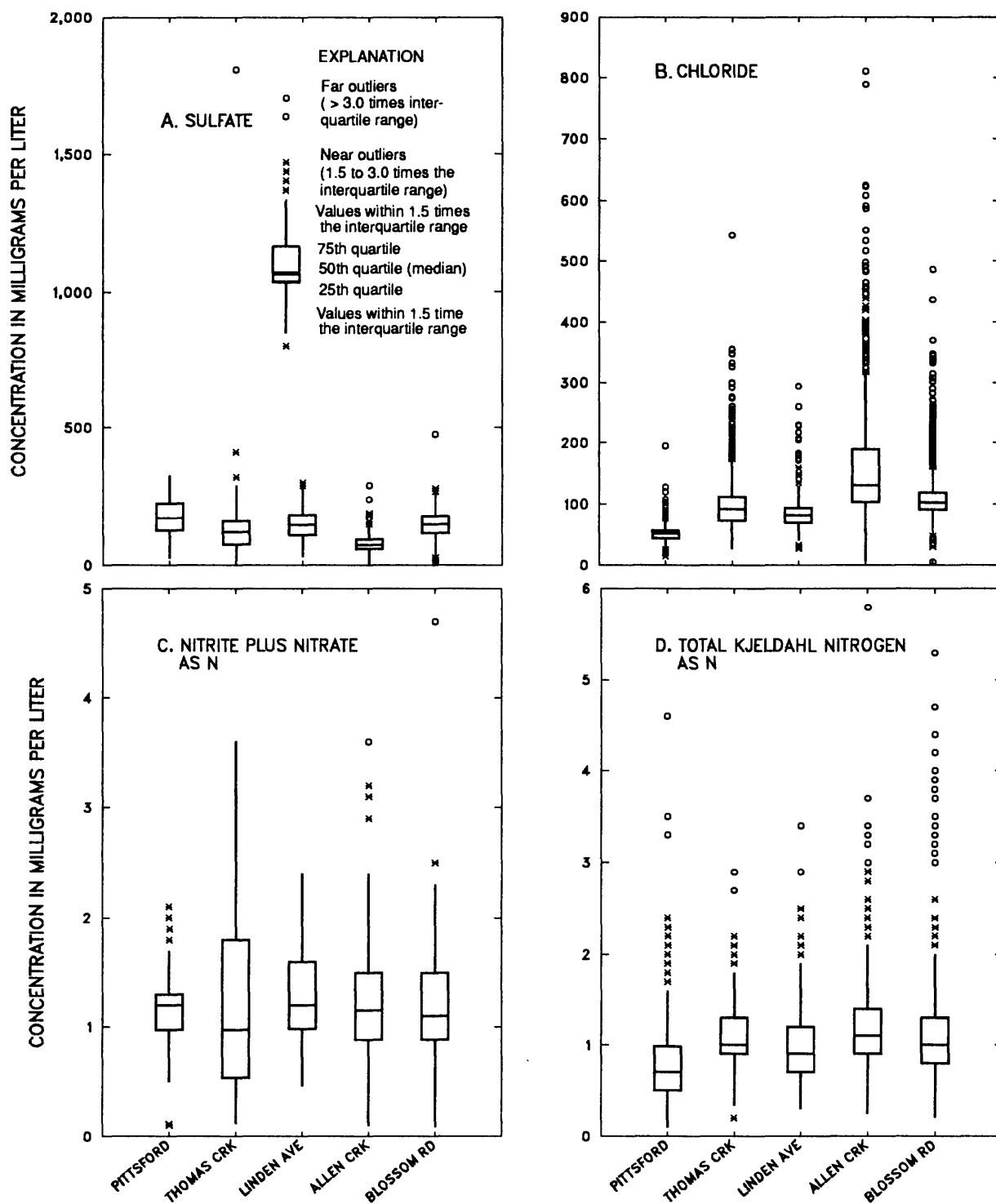


Figure 4. Concentrations of eight constituents in samples from Irondequoit Creek near Pittsford, (Thornell Road), Thomas Creek at Fairport, Irondequoit Creek at Linden Avenue, Allen Creek near Rochester, and Irondequoit Creek at Blossom Road. (Locations are shown in Fig. 2).

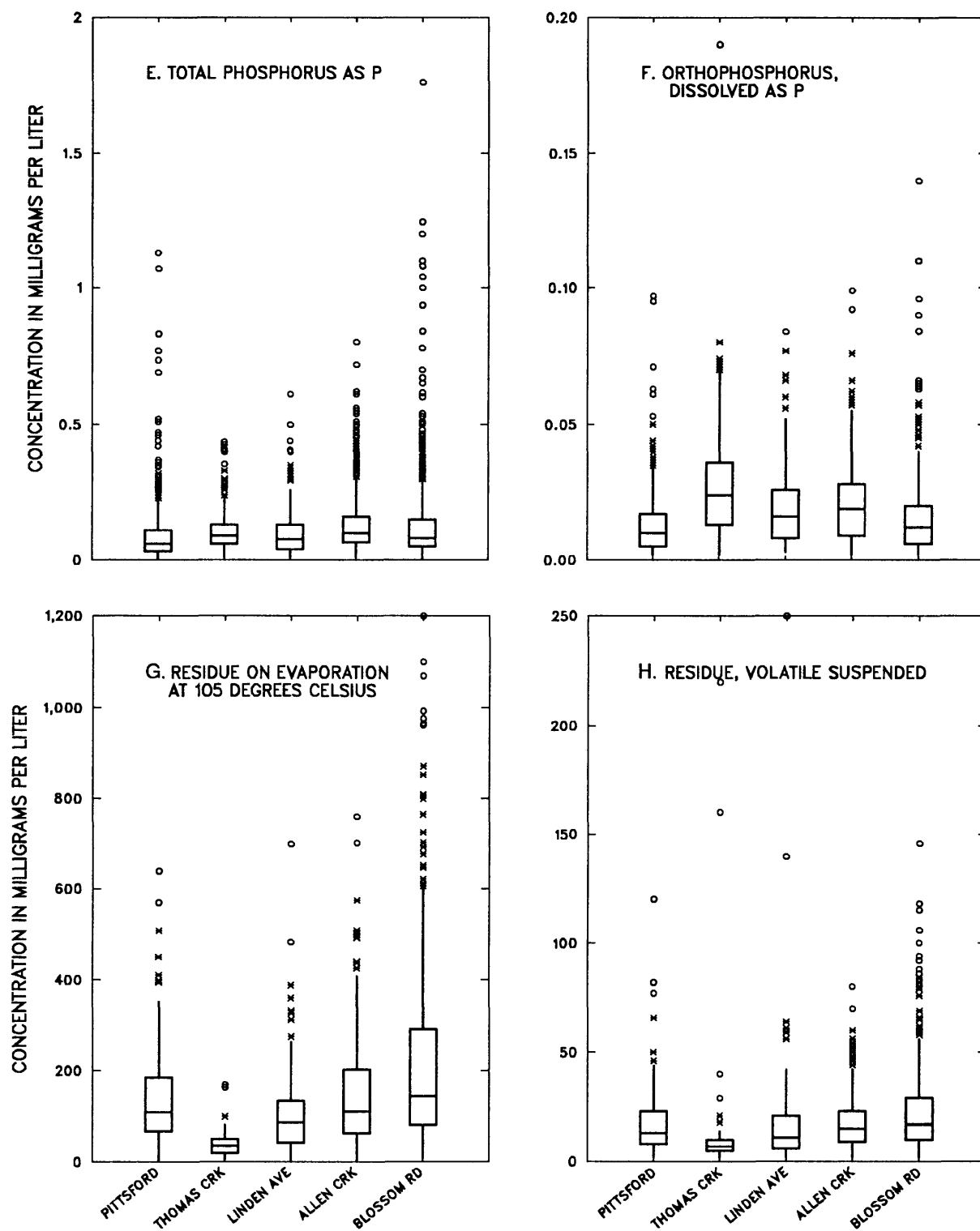


Figure 4 (continued). Concentrations of eight constituents in samples from Irondequoit Creek near Pittsford, (Thornell Road), Thomas Creek at Fairport, Irondequoit Creek at Linden Avenue, Allen Creek near Rochester, and Irondequoit Creek at Blossom Road. (Locations are shown in Fig. 2).

valley wall, and as underflow northward through the unconsolidated deposits of the valley. Similarly, ground water in the Ellison Park area discharges northward into Irondequoit Creek and as northward underflow (Kappel and Young, 1989).

This report presents ground water data from ten wells and three springs in the Irondequoit Creek watershed. Water levels at all wells are included, as are the results of chemical-quality analysis of samples from nine of the wells and all three springs. Seasonal temperature profiles for the nine wells are included.

Three wells and the three springs are in Powder Mill Park, and six wells are in Ellison Park and transect the valley (see insets, fig. 2); the remaining well, Mo 659 (B86-2), is on private property at the eastern boundary of Ellison Park and northwest of the Ellison Park wells and station 0423205010 (fig. 2). Two Powder Mill Park wells, Mo 10 (PM 83-1) and Mo 11 (PM 83-2), are completed in the water-table aquifer, and one, Mo 12 (PM 83-4), is completed in the underlying confined aquifer. All Ellison Park wells are screened in the water-table aquifer; Mo 2 (El 84-2) and Mo 5 (El 84-5) are paired with Mo 1 (El 84-1) and Mo 6 (El 84-6), respectively, to indicate the difference in potentiometric head at differing depths in the water-table aquifer. Well Mo 659 (B86-2) is screened in the confined aquifer. The wells and springs are considered to represent the same aquifer system (Kappel and Young, 1989).

Water Levels

Monroe County has no observation wells from which the USGS has collected long-term records; therefore, well Ot 900 in the northern part of neighboring Ontario County (fig. 2), 8.5 mi east of the village of Victor, was selected as an indicator of annual water-level trends. This well penetrates a confined bedrock aquifer (Camillus Shale) and thus might not fully reflect trends of unconsolidated water-table aquifers in Monroe County. Water-table aquifers in other parts of New York State indicate annual trends similar to those at well Ot 900, although the fluctuations are more subdued (U.S. Geological Survey, 1988). The monthly mean water levels at this long-term observation well during water years 1984-88 are in the below-average range (fig. 5). The annual maximum water levels for the same period range from 2.38 ft to 3.28 ft below the maximum for the period of record, and the annual minima are less than 0.90 ft

above the minimum of record (table 2). Monthly precipitation at the Rochester Airport for water years 1984-88 and normal monthly precipitation are plotted in figure 7 (p. 18) and discussed in the next section of this report. These data can be useful for comparison with ground-water fluctuations (fig. 3).

1984 water year.--Ground-water levels in Ontario County well Ot 900 at the beginning of the 1984 water year were well below the long-term monthly mean until late-fall and early-winter precipitation, along with the cessation of vegetation growth, brought them to near mean conditions. Extremely low midwinter temperatures causing frozen soil decreased recharge and resulted in further declines until warm weather in late winter accelerated recharge to raise water levels to more nearly mean values into spring. An excess of precipitation during May delayed seasonal water-level declines until early June. Water levels then receded to well below mean conditions until late August, when excess precipitation again increased ground-water levels to near normal through the end of the water year.

1985 water year.--Ground-water levels were declining by the beginning of the 1985 water year, but late-fall precipitation and cessation of evapotranspiration at the end of the growing season restored the seasonal rate of recharge. Early-winter warm weather and heavy precipitation caused water levels to rise, but by midwinter, they had declined in response to freezing weather and the attendant decrease in recharge. A small winter snowpack and less-than-normal precipitation in March resulted in below-normal spring recharge, which caused water levels to decline to near minimum and remain so for the rest of the water year. This was considered to be a year of mild drought.

Table 2. Annual mean, maximum, and minimum water levels at well Ot 900 for period of record (1955-83) and for water years 1984-88)

[Values are in feet above land surface. Location is shown in fig. 2.]

	Period of record	Water year				
		1984	1985	1986	1987	1988
Mean	08.38	7.22	6.65	7.28	6.96	7.14
Max.	11.14	8.76	7.86	8.44	8.59	8.41
Min.	4.59	5.46	5.15	5.07	5.43	5.48

WATER LEVEL, IN FEET ABOVE LAND SURFACE

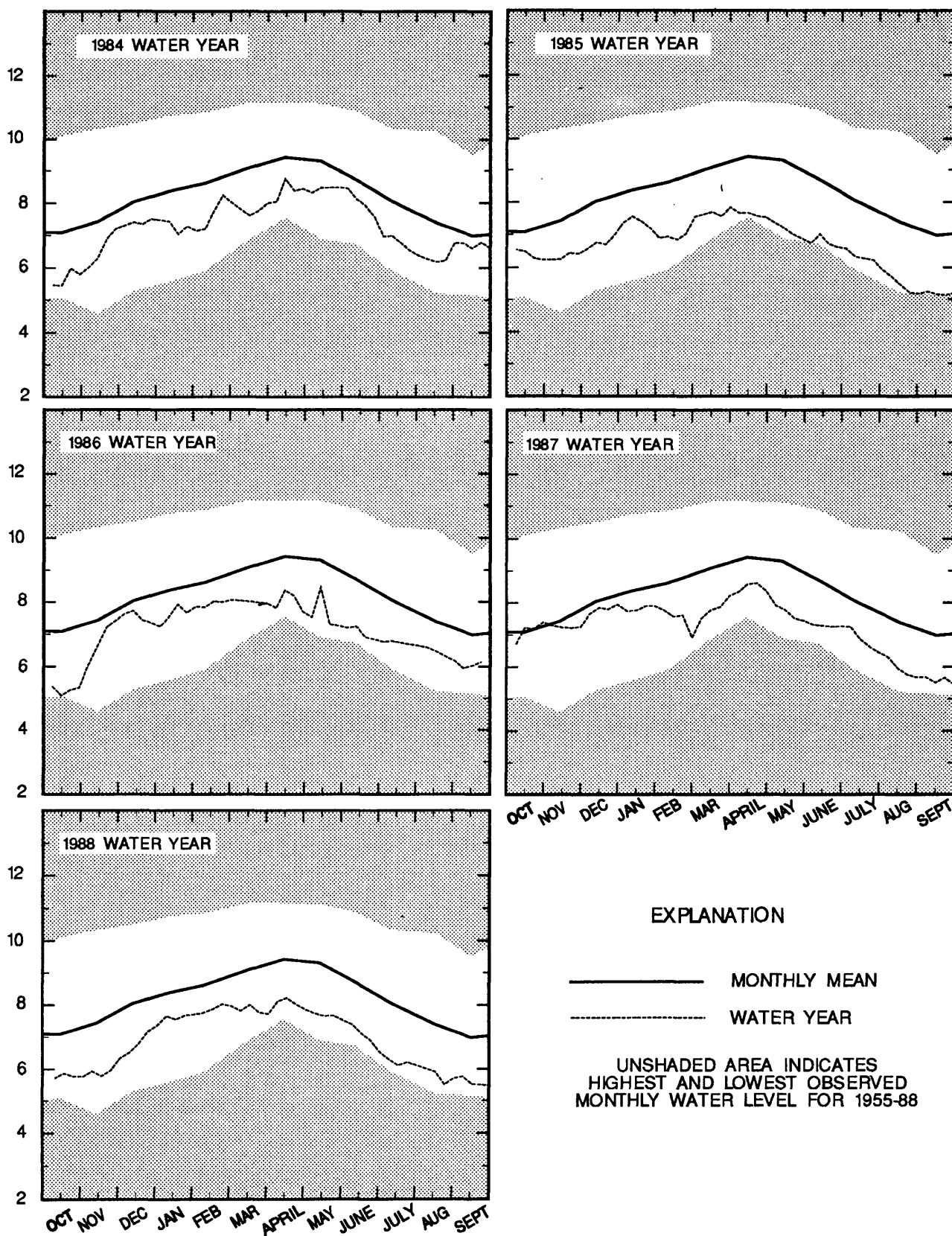


Figure 5. Observed water levels for water years 1984-88 at well Ot 900 in northern Ontario County with monthly mean, maximum, and minimum water level throughout period of record, 1955-88. (Location is shown in fig. 2.)

1986 water year.--The mild drought carried into the 1986 water year until late fall, when ground water rose to near mean levels in response to heavy precipitation and the end of the growing season. Water levels declined in early winter but rose in mid-January in response to warm weather, then declined as the result of ground frost caused by extremely cold weather. Water levels remained well below the mean throughout most of the spring as the result of a small winter snowpack and less-than-normal precipitation. Above-normal precipitation during the summer had little effect on ground-water levels, which continued a seasonal gradual recession as fall approached. Heavy precipitation at the end of the water year caused water levels to begin recovery.

1987 water year.--Ground-water levels at the beginning of the 1987 water year rose to the mean range in response to heavy precipitation during the first week of October and remained so throughout the month as a result of frequent showers. Rainfall and snowmelt throughout the fall were sufficient to keep ground-water levels near the mean through mid-winter. In late winter, less-than-normal precipitation caused water levels to drop well below the mean, but early spring rain and snowmelt caused some recovery. Below-average precipitation early in the growing season caused ground-water levels to again drop well below the mean. The seasonal decline for the remainder of the water year was gradual because frequent showers provided greater-than-normal precipitation from June through September.

1988 water year.--October water levels began well below the mean range and remained so until heavy rain produced a late-fall rise. Below-average winter precipitation caused the seasonal rise to be more gradual than usual, even through unseasonably warm periods, because snow accumulations were insignificant. Early-spring rains produced a small rise and caused the highest ground-water level of the year in well Ot 900 and in most observation wells in western New York. Below-average precipitation during the late spring caused water levels to decline to near minimum values and remain in that range for the rest of the water year. Heavy rains during the last half of July and the end of August brought little recharge.

Chemical Quality

Ground-water samples were collected from nine wells and three springs in Monroe County, and water-

temperatures were measured at successive depths in the wells to provide temperature profiles.

Springs

Samples from the three springs in Powder Mill Park (fig. 2) were collected and analyzed by MCEHL biweekly during most of the 5 water years. Weekly sample collection began in November 1983, but by December 1984, sampling frequency had been decreased to biweekly. Chemical analyses indicate that water from the springs has high specific conductance ($>800 \mu\text{S}/\text{cm}$) and alkalinity ($>250 \text{ mg/L}$ as CaCO_3) and is very hard ($>180 \text{ mg/L}$ as CaCO_3).

Wells

Six of the wells sampled by MCEHL are in Ellison Park, and three are in Powder Mill Park (fig. 2). Sampling of all wells began in 1986; two samples were collected from each well during the 1986 water year, three during the 1987 water year, and four (quarterly) during the 1988 water year. With a few exceptions, water-temperature profiles were made when samples were collected. Analysis by MCEHL of ground-water samples from both parks indicate that water in the underlying aquifer system has high specific conductance (480 to $1,780 \mu\text{S}/\text{cm}$) and alkalinity (150 to 418 mg/L as CaCO_3) values and is very hard (220 to 570 mg/L as CaCO_3).

Temperature

Water temperatures were measured seasonally during 1985-88 in six water-table wells in Ellison Park and two water-table wells and one confined-aquifer well in Powder Mill Park. Water temperatures at the water table ranged from 0.5°C in February at well Mo 1 (El 84-1) to 19°C in September at Mo 12 (PM 83-4) (fig. 6). The observed water temperatures at the potentiometric surface ranged from 11.17°C to 16.37°C ; at a depth of about 18 ft the range was from 1.73°C to 8.05°C ; and at a depth of 40 ft, the range was from 0.42°C to 2.83°C .

The annual mean air temperature in the Rochester area during 1985-88 was 8.9°C (National Oceanic and Atmospheric Administration, 1985-88). The average observed water temperature at the 16- to 20-ft depth in water-table wells ranged from 8.6°C at Powder Mill Park well Mo 10 (PM 83-1) (fig. 6) to 10.0°C at Ellison Park well Mo 5 (El 84-5). The average observed water temperature at the 40-ft depth in the

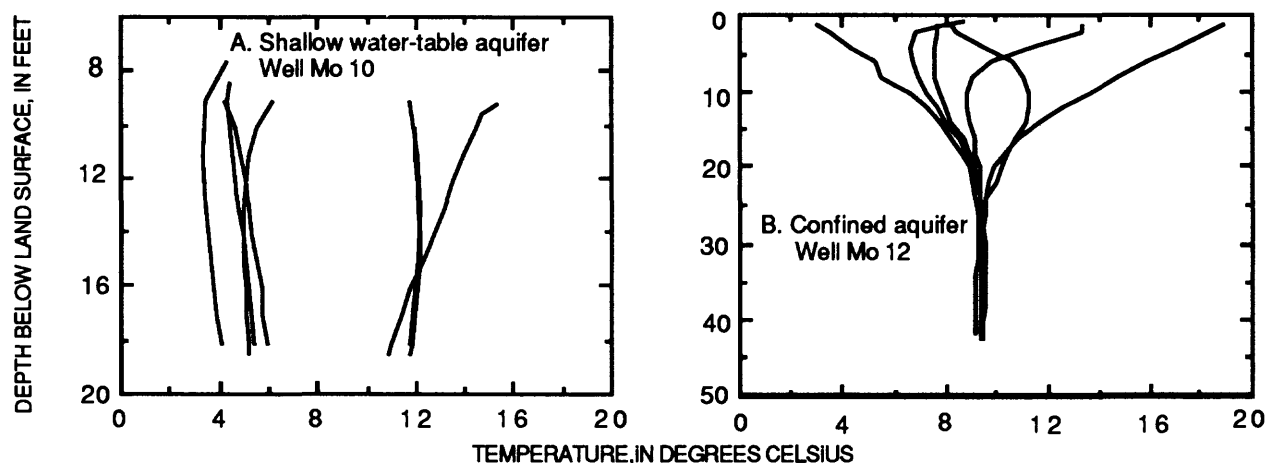


Figure 6. Water-temperature profiles from a well screened in (A) a shallow water-table aquifer, and (B) a confined aquifer, in Powder Mill Park, 1985-88. Note differing scales. (Locations are shown in fig. 2; tables and graphs are found in the ground-water section, p. 215-228.)

water-table aquifer at Ellison Park was 9.6 °C at well Mo 2 (El 84-2) and 10.2 °C at well Mo 5 (El 84-5); that in well Mo 12 (PM 83-4), which taps the confined aquifer at Powder Mill Park, was 9.4 °C.

Precipitation

Precipitation data have been collected in the Rochester area since 1827. Normal monthly (fig. 7) and annual (table 3) precipitation data presented herein are from records published by the National Oceanic and Atmospheric Administration (NOAA) and are based on the average precipitation at the Rochester Airport during 1951-80. This report includes precipitation-quantity data from three sites in the Irondequoit Creek Basin and one site in the Genesee River Basin near the drainage divide between these two basins and data on chemical quality of precipitation at the Genesee River Basin

Table 3. Total annual precipitation at Rochester airport, by water year, and departures from the normal of 31.27 inches per year

	1984	1985	1986	1987	1988
Precipitation	40.74	24.75	38.02	36.76	25.84
Departure	09.47	-6.52	6.75	5.49	-5.43

site in Mendon Ponds County Park (fig. 2).

Quantity

Annual total precipitation at the Rochester Airport for water years 1984-88, from records published by NOAA (1983-88), fluctuated from 9.47 in. above normal (31.27 in. for 1951-80) in 1984 to 6.52 in. below normal in 1985 (table 3). The cumulative total for the 5-year period was 9.76 in. above normal, only slightly greater than the 1984 figure. Annual precipitation recorded at the Pittsford, Fairport, and Blossom Road sites (fig. 2) was consistently less than at the airport and, during the 1987 water year, differed from that at the airport by more than 10 in. at the Pittsford and Blossom Road sites. Monthly totals at these sites at times exceeded those at the airport, however. Monthly precipitation recorded at the Rochester airport during each of the 5 water years is shown in figure 7.

The value for "normal" monthly or annual precipitation, as used by NOAA and as referred to in this report, is computed as the average of values for 1951-80. This is not the same as the statistical normal used by the USGS, in reference to normal runoff or normal water level, for instance, where half of the values for the specified period are above the normal and half are below.

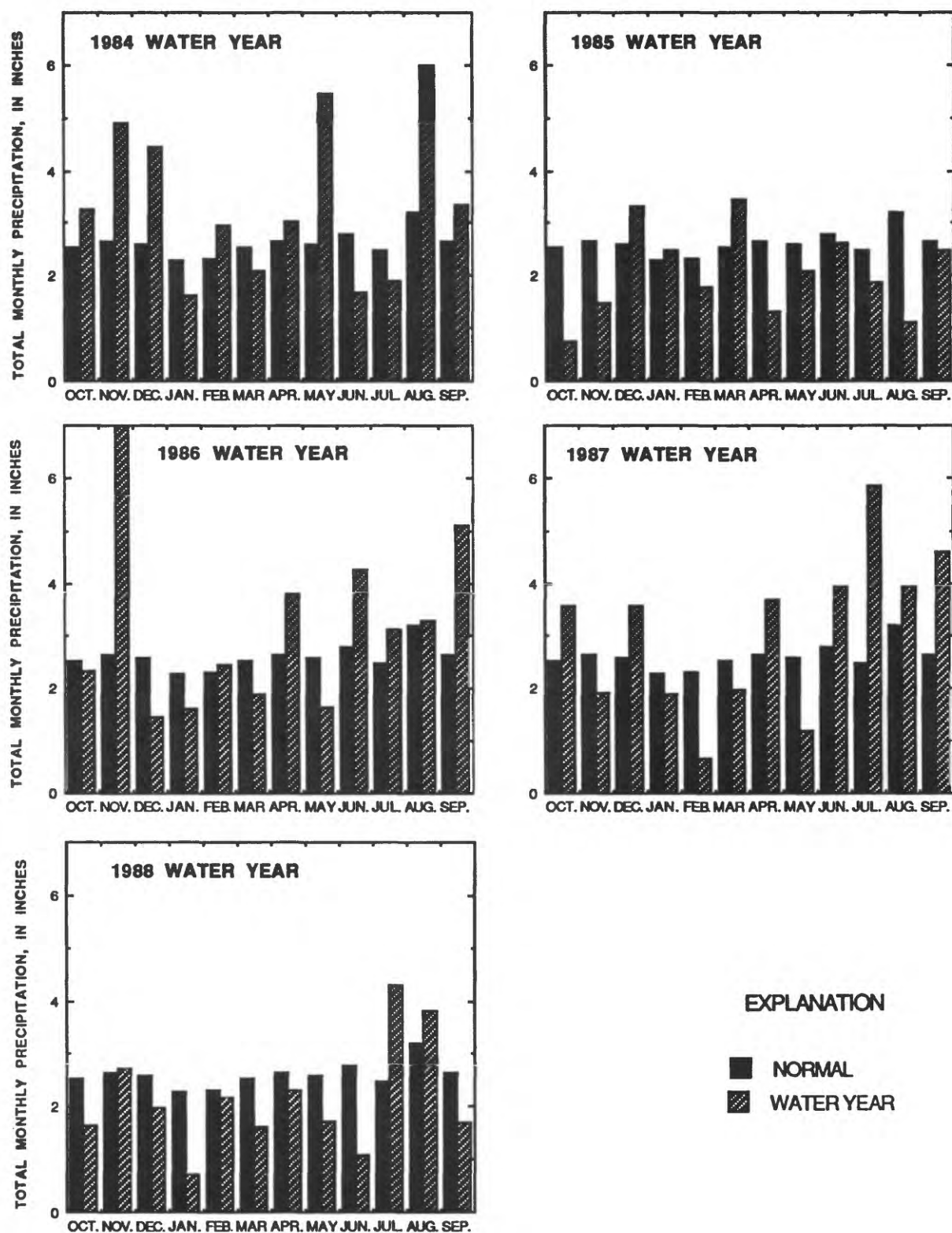


Figure 7. Monthly precipitation at Rochester airport, water years 1984-88, and normal monthly precipitation based on average for 1951-80. (Data from National Oceanic and Atmospheric Administration, Climatological Data Annual Summary, New York series.)

1984 water year.--Precipitation was above normal from October through December and was near normal from January through April. The May total was well above normal, and June and July totals were below normal. August totals were well above normal, and September totals were slightly above normal.

1985 water year.--Below-normal precipitation opened the 1985 water year and lasted through November. Precipitation from December through March was near normal, and precipitation during the rest of the year was below normal. The most deficient months were August (-2.09 in.), October (-1.78 in.), and April (-1.34 in.).

1986 water year.--Total precipitation for the 1986 water year was 6.75 in. above normal, in contrast to the 6.52 in. below normal for the preceding water year. Although precipitation was below normal for nearly half of the year, some months had totals well above normal, such as November (+4.34 in.) and September (+2.45 in.), that contributed significantly to the high annual figure. Totals for April and June were also more than 1 in. above normal.

1987 water year.--Precipitation recorded at the Rochester Airport during the 1987 water year was 5.49 in. above normal, but rain gages in the Irondequoit Creek Basin indicated about 11 in. less precipitation in their area of coverage than at the airport. Months with totals well above normal at the airport included July (+3.37 in.) and September (+1.94 in.); totals for October, April, and June were more than 1.0 in. greater than normal. Totals for February and May were more than 1.0 in. below normal.

1988 water year.--In contrast to the above-normal total for the 1987 water year, the 1988 total was 5.43 in. below normal. Three months had totals greater than normal, but only the July total (+1.82 in.) was more than 1.0 in. above normal. Two months—January (-1.58 in.) and June (-1.68 in.)—had deficits that exceeded 1.0 in. below normal. The rain-gage total precipitation for May at Pittsford (6.16 in.) was more than 4 in. greater than that at any of the other sites. This anomaly is supported by the streamflow record for Irondequoit Creek near Pittsford, which shows that the mean runoff for May (in cubic feet per second per square mile) was 2.3 times that of Thomas Creek at Fairport and 1.4 times that of Irondequoit Creek at Blossom Road, which includes the flow passing both of the other gages; this was during May, when evapotranspiration rates are high (Kappel and Young, 1989).

Chemical Quality

Data on chemical quality of precipitation are collected at Monroe County's Mendon Ponds Park (fig. 2). Three forms of precipitation were analyzed for chemical quality: (1) wetfall (liquid deposition), (2) dustfall (dry deposition, the fraction of precipitation that settles out of the atmosphere as dust), and (3) bulk (composite) deposition, which includes the two previous forms. These analyses provide information on the atmospheric contribution of various chemical constituents to streams and land surface.

The three forms of deposition were analyzed for common ions, nutrients, lead, and physical characteristics such as pH and specific conductance. pH values indicated moderate acidity (4.0 to 5.0), which is typical for precipitation in this area. Specific conductance was generally less than 100 $\mu\text{S}/\text{cm}$. Concentrations of lead in late fall and winter and during the summer were slightly above those during the rest of the year.

DATA COMPILATION

The surface-water, ground-water and precipitation data in the following compilation represent the water years that began October 1, 1983 and ended September 30, 1988. The data include (1) surface-water discharge (or stage) and quality, (2) ground-water levels and quality, and (3) precipitation quantity and quality. Locations of the stations and wells at which data were collected are shown in figures 1 and 2. The following paragraphs explain how the data were collected, analyzed, computed, and arranged for presentation.

Surface Water

The surface-water part of this compilation consists of two sections—discharge or stage, and water quality. These records are presented in downstream order, as explained below.

Downstream-Order Station-Identification System

Since October 1, 1950, the order for listing surface-water station records in USGS reports is in a downstream direction along the main stream. All stations on a tributary entering upstream from a main-stream station are listed before that station, and a

station on a tributary that enters between two main-stream stations is listed between them. The rank of a tributary on which a station is situated with respect to the stream to which it is immediately tributary is indicated by an indentation in the list of stations on page 35. The downstream order and system of indentation show which stations are on tributaries between any two stations in a basin.

Gaps are left in the number sequence to allow for new stations; hence, the numbers are not consecutive. The complete 8-digit number for each station, such as 04232050, consists of the 2-digit part "04" plus the 6-digit downstream-order number "232050". The 2-digit part represents the major river basin (St. Lawrence). Wherever no gap is available for a new station, two digits are added to make a 10-digit number.

Stage and Discharge

The data collected at stream-gaging stations consist of records of stage, measurements of discharge throughout a range of stages, and notations regarding factors that can affect the relation between stage and discharge. Records of stage are obtained from a water-stage recorder that gives either a continuous graph or a tape punched at selected time intervals. Measurements of discharge are made with a current meter through methods adopted by USGS and described in Rantz and others (1982, v. 1), a two-volume report on the measurement and computation of streamflow.

Computation Methods

Results of individual discharge measurements at stream-gaging stations are plotted against corresponding stages to develop stage-to-discharge-relation curves. From these curves, rating tables that indicate the approximate discharge for any stage within the range of measurements are prepared. If the discharge to be expressed exceeds the measured value, the rating curves are extended from indirect measurements of peak discharge, step-backwater techniques (Bailey and Ray, 1966; Shearman, 1976), slope-conveyance studies (Dalrymple, 1948), and logarithmic plotting (Kennedy, 1984). Indirect measurement techniques include (1) slope-area measurements (Dalrymple and Benson, 1967), (2) contracted-opening measurements (Matthai, 1967), and (3) computation of flow over dams or weirs (Hulsing, 1967). Most of these topics are also covered in Rantz and others (1982, v. 1).

Daily mean discharges are computed through a process whereby the instantaneous stages (gage heights) are applied to the stage-to-discharge curves or rating tables, and the resulting discharges are averaged for each day. Monthly and yearly mean discharges are computed from the daily figures. If the stage-to-discharge relation is subject to change as a result of frequent or continual change in the physical features that form the control, the daily mean discharge is computed by the shifting-control method (Kennedy, 1983; Rantz and others, 1982, v. 2). Correction factors based on individual discharge measurements and notes by the person making the measurement are applied to the gage heights before the discharges are read from the curves or tables. This shifting-control method also is used if the stage-to-discharge relation is temporarily altered by aquatic growth or debris on the control.

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

Some gaging stations have periods when the gage-height record either is unavailable or is so faulty that it cannot be used to compute daily discharge. This happens when, for example, the recorder stops or fails to operate properly, intakes are plugged, or the float is frozen in the well. The daily discharges for such periods are estimated from the recorded range in stage, previous and following records, discharge measurements, weather records, and comparison with other station records in the same or nearby basins. Designation of estimated values in the tables of station records is explained below.

Data Presentation

The 1984-88 mean daily discharge or gage-height records for each gaging station represented herein are preceded by a 1-page station description that provides information such as station location, period of record, average discharge, historical extremes, record accuracy, and other remarks pertinent to station operation and regulation. Headings and the types of information provided in each are as follows:

Location.--Information on locations is obtained from the most accurate maps available. The location

of the gage is given with respect to the cultural and physical features in the vicinity and the reference place mentioned in the station name. River mileage, given for some stations, is that determined and used by the U.S. Army Corps of Engineers or other agencies.

Drainage Area.--Drainage areas are measured in square miles from the most accurate maps available. Because the types of maps available differ from one drainage basin to another, the accuracy of the drainage-area measurements likewise varies. Drainage areas are updated as new maps become available.

Period Of Record.--Identifies the period for which published records for the station (or an equivalent station) are available.

Revised Records.--Published records are occasionally revised in light of new information. Listed under this heading are all reports in which revisions for the station have been published and the water years for which revisions apply. If a revision did not include daily, monthly, or annual discharge figures, that fact is noted after the year dates as follows: (M) means that only the instantaneous maximum discharge was revised; (m) that only the instantaneous minimum was revised; and (P) that only peak discharges were revised. If the drainage area has been revised, the report in which the most recently revised figure was first published is cited. Note that revision of the drainage area of stations for which runoff is given, in cubic feet per second per square mile (cfs/m) and in inches (in.), necessitates corresponding revision of all data that are based on drainage area. Runoff values, in cubic feet per second per square mile and in inches, that result from a revision of the drainage area only are generally not published.

Gage.--Under this heading are listed the type of gage in use, the datum of the current gage referred to National Geodetic Vertical Datum of 1929 (see DEFINITION OF TERMS, p. vi-viii), and a condensed history of the types, locations, and datum of previous gages.

Remarks.--This paragraph gives information on the accuracy of the records, special methods of computation, conditions that affect natural flow at the station, and other pertinent items. The accuracy of the records varies at some stations from year to year; where this occurs, a general statement is given that explains the accuracy for the 5 years represented in this report, and a statement at the top of the table for each water year describes the accuracy of that year's data.

Cooperation.--Records provided by a cooperating organization or obtained for USGS by a cooperating organization are identified here.

Average Discharge.--This is the value given to the arithmetic mean of the water-year mean discharges and is computed for stations having at least 5 water years of complete record. Only water years of complete record are included. This value is not computed for stations where diversions, storage, or other water-use practices would make it meaningless.

Extremes For Period Of Record.--Extremes include maximum and minimum stages and maximum and minimum discharges. Unless otherwise qualified, the maximum discharge is the instantaneous maximum corresponding to the highest stage recorded on a 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 on the same day as the maximum discharge, it is given separately. Similarly, the minimum is the instantaneous minimum unless otherwise qualified.

Extremes Outside Period Of Record.--Included here is information concerning major floods or unusually low flows that occurred outside the stated period of record. The information may or may not have been obtained by the USGS.

Extremes For Water Years 1984-88.--Values given here are similar to those for the period of record, except that secondary peaks are included. (Secondary peaks are those that are less than the peak for the year but that exceed a selected base discharge.) The base discharge, which is given in the table heading, is selected so that an average of about three peaks a year will be presented. No base discharge is selected for streams for which the peaks are subject 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. The annual minimums for these stations are published to the right of the peak information for each year.

The tabulation of daily mean discharges or gage height for each gaging station contains one page for each water year. On each page the discharge (or gage height) tabulation is followed by the monthly total, mean, maximum, and minimum (TOTAL, MEAN, MAX, MIN) summary. The "TOTAL" line gives the sum of the daily figures. The "MEAN" line gives the average flow (in cubic feet per second) for the month. The "MAX" and "MIN" lines give the maximum and minimum daily discharges, respectively, for the month. Some stations give discharge and runoff

values for the month, in cubic feet per second per square mile (CFSM) line and inches (IN) line. CFSM and IN values are omitted if the stream has extensive regulation or diversion or if the drainage area includes large noncontributing areas. The last two lines of each page are a yearly summary by calendar year (CAL YR) and water year (WAT YR).

Accuracy and Precision of Records

The accuracy of the streamflow records depends primarily on (1) the stability of the stage-vs-discharge relation or, if the control is unstable, the frequency of discharge measurements, and (2) the accuracy of observations of stage, measurements of discharge, and interpretations of records. The accuracy attributed to the records for each station is indicated in the "REMARKS" paragraph of each station description. "Excellent" means that about 95 percent of the daily discharges are within 5 percent of the true discharge; "good" means within 10 percent; "fair" means within 15 percent, and "poor" means that the daily discharges have less than fair accuracy. Estimated daily-discharge values are identified by the letter "e" in the water-discharge tables of the report.

Daily mean discharges in this report are given to the nearest hundredth of a cubic foot per second for discharges of less than 1 ft³/s; to tenths between 1.0 and 10 ft³/s; to whole numbers between 10 and 1,000 ft³/s; and to three significant figures above 1,000 ft³/s. The number of significant figures used is based solely on the magnitude of the discharge value.

Chemical Quality

This report contains chemical-quality data from five stream-gaging stations and one NASQAN site—Genesee River at Charlotte Docks at Rochester (04232006). The water-quality records for each site follow the streamflow record for that site. Station number and name are the same for both records unless the locations differ significantly, in which case the water-quality site is given a separate number and name in the downstream-order sequence.

Water-quality samples are usually obtained as close to streamflow-gaging stations as possible because streamflow data are extremely important in the interpretation of water-quality data. Each streamflow gaging station in the Irondequoit Creek Basin was visited two or three times each week. At the

Blossom Road site near Rochester (station 0423205010, p. 143), samples were collected hourly by automatic sampler and combined into 2- to 4-day baseline composite samples two or three times per week, and into flow-related composite samples during storms. At Irondequoit Creek near Pittsford (station 04232040), Thomas Creek at Fairport (station 04232046), and Allen Creek near Rochester (station 04232050) samples were collected hourly by automatic sampler and combined into 2- to 4-day baseline composite samples at least once monthly and into flow-related composite samples during storms. At Irondequoit Creek at Linden Avenue, East Rochester (station 04232047), samples were collected hourly by automatic sampler and composited into 2- to 4-day base-line samples and into flow-weighted composite samples during storms until January 1984. After January 1984, discrete samples were collected by hand several times per month. The records of surface-water quality presented herein generally include physical properties, such as turbidity and dissolved solids, and chemical constituents, such as nitrogen and phosphorus species and common ions such as chloride and sulfate.

Continuing-Record and Partial-Record Stations

Each surface-water-quality site is classified as either (1) a *continuing-record*¹ station, a site at which data are collected on a regular schedule, once or more daily, weekly, monthly, or quarterly, or (2) a *partial-record station*, a site at which limited water-quality data are collected systematically over a period of years, usually less than quarterly. All stations represented in this report are in the *continuing-record* category.

Field and Laboratory Methods

To ensure that analytical results obtained in the laboratory accurately reflected the chemical quality of stream water, carefully prescribed procedures were followed in the collection and processing of the samples and in preservation of the samples to minimize chemical or physical changes between time of collection and analysis. Procedures for collecting, treating, and transporting samples are given in Britton

¹ "Continuing record" differs from "continuous record," which refers to a continuous graph or a series of discrete values recorded at predetermined intervals.

and Greeson (1989), Goerlitz and Brown (1972), Guy and Norman (1970), Skougstad and others (1979), and Wood (1976).

Most of the data given herein were collected by automatic samplers that are capable of collecting either discrete or composite samples. Discrete samples are collected at a particular instant and are assumed to represent only the water quality at that time, whereas composite samples consist of two or more discrete samples collected and combined over a period of time, such as several hours or days, to reflect average water-quality conditions for that period. The limitation of automatic water samplers is that they collect the sample from only one point in the stream cross section. Although a sample from a single point in the stream can adequately define the water quality for that time if the water is homogeneous, variations in turbulence can cause uneven mixing and result in local differences in the concentration of solutes throughout the cross section, depending on rate of water discharge and the source of the solutes. For this reason, placement of the automatic sampler intake in the stream cross section is occasionally checked for representativeness. (See Quality Assurance/Quality Control section further on for detailed information.)

Chemical-quality data published herein are considered to be the most representative values available for the stations listed and describe the water-quality conditions at the time of sampling as accurately as possible within the limits of available sampling techniques and methods of analysis.

All samples were analyzed by MCEHL by analytical methods described by the American Public Health Association (1985). Some samples were split into two parts, one of which was sent to the U.S. Geological Survey National Water-Quality Laboratory (NWQL) at Denver, Colo., for analysis as part of the QA/QC program.

Data Presentation

The surface-water compilation contains water-quality data from five of the nine stream-gaging stations and one NASQAN site. The water-quality tabulation for each station is preceded by a station description, which includes information pertinent to the history of station operation, including location, drainage area, period of record, type of data available, instrumentation, general remarks, and cooperation. If the location is identical to that of the discharge gaging

station, neither the *Location* nor the *Drainage Area* statements are repeated. The headings and types of information provided under each are explained below.

Location.--Information on locations is obtained from the most accurate maps available. The location of the gage is given with respect to the cultural and physical features in the vicinity and to the reference place mentioned in the station name. River mileage, given for some stations, is that determined and used by the U.S. Army Corps of Engineers or other agencies.

Drainage Area.--Drainage areas are measured in square miles from the most accurate maps available. Because the types of maps available differ from one drainage area to another, the accuracy of drainage areas likewise varies. Drainage areas are updated as new maps become available.

Period Of Record.--This statement indicates (1) the periods for which published water-quality records for the station are available, (2) the categories of data to which these records pertain (chemical, minor elements, organic compounds, nutrients, and biological constituents), and (3) the amount of data available as specified by the following letter codes:

- (a) 1 or 2 samples per year
- (b) 3 to 5 samples per year
- (c) 6 to 9 samples per year
- (d) 10 to 20 samples per year
- (e) more than 20 samples per year

For example, "CHEMICAL DATA: 1972-74(c), 1977-82(a)." indicates from 6 to 9 analyses for each year for the first 3 years of record, no data for this category in 1975 and 1976, and one or two samples for each of the 5 additional years.

Instrumentation.--Information on instrumentation is given only if a water-quality monitor or other automatic sampling device is in operation at the station.

Remarks.--Remarks provide added information pertinent to the collection, analysis, or computation of the records. The following remark codes appear in the water-quality tables:

- K results based on colony count outside the ideal range (non-ideal colony count);
- E estimated value;
- > actual value known to be greater than value shown;
- < actual value known to be less than value shown.

Cooperation.--Records provided by a cooperating organization or obtained for USGS by a cooperating organization are identified here.

Tables of chemical, physical, biological data, etc. that were obtained less often than daily at each station follow the information on station history.

Chemical Data.--Generally include most of the major ions and some of the following physical properties: specific conductance, pH, temperature, color, turbidity, dissolved oxygen.

Minor Elements.--Includes the heavy metals and some of the alkaline earth groups.

Determinations generally include Al, As, Ba, Cd, Cr, Co, Cu, Hg, Li, Ni, Pb, Se, Sn, Sr, Zn.

Organic Data.--Organic data (other than pesticides) such as OC, PCB, PCN.

Nutrient Data.--Constituents containing nitrogen or phosphorus. Analytical results usually include several of the following species: nitrite plus nitrate, phosphorus, ammonia nitrogen, organic nitrogen, and nitrogen ammonia plus organic nitrogen.

Biological Data.--The identification and concentration of microscopic plant organisms (phytoplankton, periphyton) or enteric bacteria (total coliform, fecal coliform, or fecal streptococci) living in aquatic habitats.

Sediment Data.--Suspended-sediment concentration, suspended-sediment discharge, and particle-size data for discrete samples.

Ground Water

Ground-water records consist of water-level measurements made in observation wells, analyses of

water samples collected quarterly from these wells, and seasonal water-temperature profiles based on measurements made at successive depths. Analyses of water samples collected biweekly from springs are also included. Ground-water records are presented by locality in order of latitude and longitude. (See fig. 8.) Locations of observation wells are shown in figure 2.

Latitude-Longitude System

The spring- and well-identification and precipitation-station numbers are based on the grid system of latitude and longitude. The number consists of 15 digits. The first six digits denote the degrees, minutes, and seconds of latitude and the next seven digits denote degrees, minutes, and seconds of longitude. The last two digits (assigned sequentially) identify the wells or precipitation gages within a 1-second grid (fig. 8).

Field and Laboratory Methods

Water levels were measured in ten wells in the Irondequoit Creek Basin, three wells in Powder Mill Park, six wells in Ellison Park, and one well [Mo 659 (B86-2)] on the north side of the Pinnacle Hills Moraine (fig. 2). Water temperatures were measured at successive depths in the Powder Mill and Ellison Park wells to obtain water-temperature profiles that can be used as an indicator of similar or dissimilar stratigraphy by comparing shape and spread of seasonal profile plots, and of anomalous features by noting any sudden unexpected change in temperature with depth. The seasonal temperature profiles can also provide an estimate of aquifer permeability

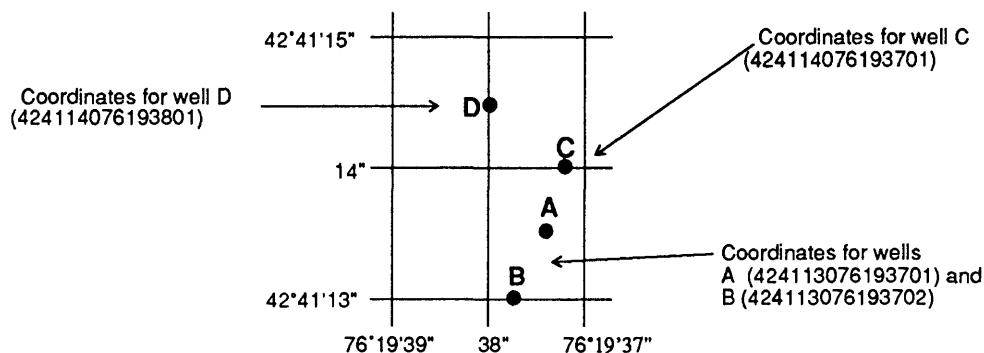


Figure 8. Latitude and longitude system for well numbering.

(W.W. Lapham, 1989). Water samples were collected from the Powder Mill and Ellison Park wells and from three springs in Powder Mill Park to compare chemical quality of ground water from different parts of the aquifer system. The procedures used are discussed in the following paragraphs.

Water Levels

Water-level records are taken from direct measurements made with a weighted steel tape and recorded in feet below land-surface datum, a datum plane that approximates land surface at each well. Water levels in wells are measured periodically, usually monthly, and are recorded to the nearest hundredth of a foot. Each well description herein includes the land-surface datum above National Geodetic Vertical Datum of 1929 and the height of the measuring point above or below land-surface datum.

Temperature

Water temperature was measured seasonally in most wells at various depths with a temperature probe. The depth intervals between measurements ranged from 1 ft to about 3 ft, and temperatures were recorded to the nearest hundredth of a degree Celsius.

Chemical Quality

Water-quality samples were collected quarterly from nine wells and approximately biweekly from three springs in the Irondequoit Creek basin during 1984-88. Samples from wells were collected with a peristaltic pump. At least three casing volumes of water were removed to purge the well before sampling, and the water level was then allowed to recover before sample collection to ensure that samples would be representative of fresh aquifer water, not water that had been standing in the well. Samples from the springs were taken in a sample bottle that was inverted over the spring until full.

Results of the chemical analyses document the background water quality of the aquifer system and indicate temporal and areal differences in the quality of water within the aquifer as well as areas that may be affected by contamination. Ground-water samples were analyzed for specific conductance, pH, and concentrations of common ions, nutrients, metals, dissolved solids, alkalinity, and hardness. These constituents provide an indication of the general ground-water quality of an aquifer.

Data Presentation

Ground-water data are presented in two sections: (1) chemical quality of three springs in Powder Mill Park, and (2) water levels, temperature, and chemical quality of water from three wells in Powder Mill Park, six wells in Ellison Park, and one well near Brown-croft Blvd. in Rochester.

Springs

The spring records consist of two parts—a site description, and chemical analyses for each of the 5 water years. Site descriptions include location, aquifer, period of record, and cooperation.

Wells

Each well record consists of four parts—the well description, a table and graph of water levels measured during 1984-88, a table and depth profile of water temperature, and chemical analyses for each water year. The well description includes such information as location, aquifer, period of record, historical extremes, and other pertinent information. Following is a list of headings used in the spring and well descriptions and a discussion of the information provided under each.

Location.--Gives the latitude and longitude (in degrees, minutes, and seconds); the hydrologic unit number; the distance and direction from a geographic point of reference; and the owner's name.

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

Well Characteristics.--Describes the depth, diameter, casing depth and(or) screened interval, method of construction, and use of the well and additional information such as casing breaks, collapsed screen, and other changes since construction.

Instrumentation.--Describes frequency of measurements and the method used.

Datum.--Describes both the measuring point and the land-surface elevation at the well. The measuring point is described physically (such as top of collar, notch in top of casing, plug in pump base and so on), and in relation to land surface (such as 1.3 ft above land-surface datum). The elevation of land-surface datum is described in feet above National Geodetic Vertical Datum of 1929; precision depends on the method of determination.

Remarks.--Describes factors that could affect the water level in a well or the measurement of the water

level and identifies wells that also are water-quality observation wells and acknowledges the assistance of local (non-Survey) observers.

Period Of Record.--Identifies the period(s) for which published records are available.

Extremes For Period Of Record.--Indicates the highest and lowest water levels of the period of published record, with respect to land-surface datum, and the dates of their occurrence.

The second part of the well record lists water levels for each of the 4 or 5 water years for which data are available, in feet above or below land-surface datum, and the measurement dates. A hydrograph of water levels for the period of record follows the water-level tables.

The annual water-level tables and 4- or 5-year hydrograph for each well are followed by a table of water-temperatures and a seasonal profile covering 3 to 4 years of record to provide a visual comparison of seasonal patterns. The fourth part of the well record consists of water-quality data.

Precipitation Quantity and Quality

Precipitation data were collected at four sites, three of which are in the Irondequoit Creek Basin. Wetfall/dryfall data were collected at Mendon Ponds, just outside the southwestern part of the Irondequoit Creek Basin, near the drainage divide between the Genesee River and Irondequoit Creek watersheds (fig. 2). Collection of precipitation-quantity data at Mendon Ponds began in May 1985.

Methods

Two types of data-collection devices were used to collect the precipitation data compiled herein. A precipitation-collection tube with float and counter-weight was used at the three Irondequoit Creek Basin sites to measure total precipitation. These values were coded at 15-minute intervals by punched tape recorders. The positive difference between two successive readings was computed and recorded as the total precipitation for that 15-minute interval. The 96 values of 15-minute data were summed to give the total daily precipitation value, which was subsequently entered into the WATSTORE data-storage system and is included here.

Precipitation at the Mendon Ponds site was recorded continuously on a strip chart from a weigh-

ing-bucket rain gage. A bulk collector and an Aerochem Metrics model 301 wetfall/dryfall sampler were used to collect composite samples. The dryfall (or dustfall) container was removed monthly for analysis of the contents, and the wetfall container was removed and the contents analyzed after selected storms. MCEHL collected and analyzed these samples in accordance with procedures outlined by USGS.

Data Presentation

The precipitation records herein consist of two parts—the site description and a table of total daily precipitation values for each available water year. The precipitation-quality (Mendon Ponds) section contains, in addition, chemical analyses of dustfall, wetfall, and bulk deposition for each water year.

The site descriptions include such information as location, period of record, annual maximum, and other pertinent information. Following is a list of headings and an explanation of the information provided under each.

Location.--Information on locations is obtained from the most accurate maps available. The location of the gage is given with respect to the cultural and physical features in the vicinity and to the reference place mentioned in the station name.

Period Of Record.--This indicates the period for which published precipitation or atmospheric-quality records for the station are available.

Equipment.--Describes the type of equipment used at the site, the type of data collected by each, and the location of the equipment with respect to ground level.

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

Annual Maximum.--Indicates the greatest daily total precipitation for each year presented herein and the date of its occurrence.

Beneath the site description for each precipitation gage is a plot of total monthly precipitation for the period herein reported, followed by a table and a plot of total daily precipitation values for each water year, with monthly and yearly summaries. In the monthly summary, the "TOTAL" line gives the sum of the daily figures. In the yearly summary, below the monthly summary, the figures shown are the appropriate total precipitation values for the calendar year (CAL YR) and water years (WTR YR).

QUALITY ASSURANCE AND QUALITY CONTROL

Many of the data included in this report were collected and analyzed by MCEHL. Their responsibilities included completion of most of the discharge measurements at stations with established ratings, monthly inspections at all sites, removal of recorded data, and collection and laboratory analysis of water samples. To ensure that these data meet standards for publication set by USGS, a Quality Assurance/Quality Control (QA/QC) program has been an integral part of this cooperative data-collection effort. The basic QA/QC protocol devised for the NURP study (Zarriello and others, 1984; Kappel and others, 1986) has continued and been extended in subsequent years under the USGS-MCEHL cooperative program. The program contains two parts: (1) streamflow measurements and (2) water-quality samples. The procedures and guidelines used in the QA/QC program are summarized below.

Streamflow Measurements

General guidelines and procedures accepted by USGS for gaging streams (Carter and Davidian, 1968) were followed throughout the period represented by this report. More detailed procedures were followed in regard to specific phases of data collection, which include stage measurement at gaging stations (Buchanan and Somers, 1968) and discharge measurement by current meter (Buchanan and Somers, 1969). Interpretation of the data by USGS staff followed recommended procedures and include stage-to-discharge rating development (Kennedy, 1984) and computation of records for publication (Kennedy 1983). These topics are also covered in Rantz and others (1982, v. 1 and 2).

USGS provides further quality control of the streamflow data-collection efforts of MCEHL by (1) monthly review of stream-discharge measurements and equipment-inspection notes, and (2) semi-annual on-site inspections of gaging facilities and completion of discharge measurements by USGS personnel. These semiannual discharge measurements, which check the validity of the rating developed for that particular year, have consistently indicated that discharge measurements made by MCEHL fully meet USGS standards. In addition, USGS personnel make additional discharge measurements for the first year after the establishment of a new gaging station.

Water-Quality Samples

The QA/QC program for water-quality samples includes sample collection and laboratory analysis. Continuing-record water samples are collected from a single point in the stream at surface-water sites by automatic sampler. Part of this program is to determine whether these samples are representative of water quality throughout the stream cross section. The program is also designed to ensure that laboratory analysis of water samples by MCEHL meet standards for publication set by USGS. This is done by two procedures: (1) split-sample collection and analysis, and (2) participation in the USGS Standard Reference Water-Sample (SRWS) program. All aspects of the QA/QC procedures for water-quality samples are evaluated by statistical methods and are discussed more fully in the following sections.

Statistical Methods

A paired t-test was used to compare (1) mean differences between constituent concentrations in the split samples analyzed by the USGS Central Laboratory and those analyzed by MCEHL, and (2) mean differences between samples collected by hand and those collected by automatic sampler. A paired t-test uses the difference method to test the null hypothesis that the mean difference between the two sample groups is zero. If the calculated t statistic is greater than the t statistic from the t-distribution table for a particular confidence level and number of degrees of freedom, then the null hypothesis is rejected, and a difference is indicated between the two groups of data, with a less than 5-percent (95-percent confidence level) chance that the difference is due to random causes. If the t statistic is less than that found in the table, the null hypothesis is not rejected and indicates a chance of less than 5 percent that the means are different.

The data were tested for bias to determine whether constituent concentrations in samples analyzed by MCEHL or those collected by the automatic sampler were consistently high or low. The mean bias (in percent) was calculated from the equation:

$$\text{Bias} = \frac{C_a - C_b}{C_b} \times 100$$

where

C_a = concentrations either in samples taken from the automatic sampler or determined by MCEHL, and

C_b = concentrations in samples collected by hand from the stream cross section or determined by the USGS laboratory.

A t-test is then done on the mean bias to determine significance at the 95-percent confidence level. Statistical methods used are outlined in Friedman and Erdmann (1982).

Statistical analysis of the sample results, discussed in some detail below, indicate some significant differences, as well as instances of bias, but because only a small number of split samples were involved in the analysis, the results are considered inconclusive.

The November 17, 1987 round of samples had only two constituents—dissolved Kjeldahl nitrogen (DKN) and nitrite plus nitrate ($\text{NO}_2 + \text{NO}_3$)—with sufficient data for statistical comparison. Other constituents had either several values below the detection limits, different detection limits, or both, making statistical comparison difficult.

Split Samples

During November 1987 (beginning of split-sample collection program) and June 1989, Monroe County staff collected two sets of split samples from each of two sites in partial fulfillment of the QA/QC program required by the cooperative agreement between Monroe County and USGS. These splits were used to (1) compare concentrations of constituents in samples collected by the automatic sampler with those collected by hand from the stream cross section, and (2) assess any differences in analytical results between MCEHL and the USGS Central Laboratory. Split samples are samples divided into equal parts to obtain a statistical comparison of analytical results.

Part of the QA/QC protocol is designed to determine whether samples collected by the automatic samplers are representative of water quality throughout the stream cross section. Periodically at each site, depth-integrated cross-sectional samples were collected from the stream, while the automatic sampler was programmed to take samples. The results of the analysis of the two sets of samples were then compared to detect any systematic bias in samples collected by the automatic sampler.

In samples collected on November 17, 1987 at the Thornell Road site near Pittsford (station 04232040), mean concentrations of $\text{NO}_2 + \text{NO}_3$ were signifi-

cantly higher (95-percent confidence level) in samples collected by the automatic sampler and also showed a significantly high bias (table 4). Mean concentrations of $\text{NO}_2 + \text{NO}_3$ in samples collected at Blossom Road near Rochester (station 0423205010) by the automatic sampler were significantly lower than in samples collected by hand and had a significantly low bias. At both sites, the mean concentrations of dissolved Kjeldahl nitrogen in samples collected by the automatic sampler were low and indicated a low bias but were not significantly different from hand-collected samples at the 95-percent confidence level. In samples collected on June 20, 1989 at Thornell Road, dissolved Kjeldahl nitrogen was the only constituent for which the mean concentrations differed significantly between automatic and hand samples. Mean concentrations of dissolved Kjeldahl nitrogen were significantly higher in samples collected by the automatic sampler and showed a significantly high bias. In samples collected by the automatic sampler at Blossom Road, bias and mean concentrations of $\text{NO}_2 + \text{NO}_3$ were significantly high.

Split samples were also collected periodically for comparison of MCEHL analytical results with those obtained from the USGS Central Laboratory in Denver, Colo. For this purpose, a sample was split into eight parts, four of which were analyzed by MCEHL and four by USGS. The analytical results for each constituent were then compared statistically to locate consistent differences.

A paired t-test was also used to statistically compare constituent concentrations determined by MCEHL with those determined by USGS. Of samples collected on November 17, 1987, and June 20, 1989, only the mean concentrations $\text{NO}_2 + \text{NO}_3$ collected on November 17 differed significantly and showed a significantly high bias (table 5). The mean concentrations of orthophosphorus determined by MCEHL in samples collected on June 20 were not significantly different from those obtained by USGS but did show a significantly high bias.

Standard Reference Water-Sample Program

As part of USGS quality-assurance program for cooperating laboratories, MCEHL was required to participate in a standard reference water-sample (SRWS) program. Under this program, the USGS Central Laboratory submits reference samples (major constituents, trace constituents, and nutrients) twice

Table 4. Statistical analysis of split samples collected to determine representativeness of samples collected by automatic sampler
[Locations are shown in fig. 2; DKN = dissolved Kjeldahl nitrogen; OrthoP = Orthophosphorus, Auto = automatic sampler]

Site	Date	Constituent	Number of pairs (n)	Paired t-test on differences					t-test on bias				
				Mean values		Mean difference (d)	Standard deviation	t	Degrees of freedom (n-1)	Mean bias	Standard deviation	Number of pairs (n)	t
				hand	auto								
04232040	11-17-87	DKN	8	0.373	0.288	-0.085	0.138	-1.75	7	-34.25	49.64	8	-1.951
		NO ₂ +NO ₃	8	1.050	1.150	0.100	0	*u	7	8.712	0.405	8	*60.83
0423205010	11-17-87	DKN	8	0.414	0.299	-0.115	0.172	-1.89	7	-51.80	76.07	8	-1.926
		NO ₂ +NO ₃	8	0.762	0.698	-0.065	0.011	*-17.20	7	-9.320	1.510	8	*-17.46
04232040	6-20-89	OrthoP	8	0.040	0.021	-0.020	0.057	-0.97	7	-97.35	285.62	8	-0.964
		NO ₂ +NO ₃	8	0.874	0.862	-0.011	0.015	-2.18	7	-1.312	1.703	8	-2.179
		NO ₂	4	0.020	0.020	0	0	0	3	--	--	--	--
		DKN	8	0.561	0.738	0.176	0.200	*2.49	7	19.77	17.18	8	*3.225
0423205010	6-20-89	OrthoP	8	0.022	0.026	0.004	0.008	1.41	7	18.13	31.58	8	1.627
		NO ₂ +NO ₃	8	1.225	1.300	0.075	0.046	*4.58	7	5.77	3.56	8	*4.584
		NO ₂	4	0.020	0.018	-0.002	0.005	-1.00	3	-25.00	50.00	4	-1.000
		DKN	8	0.782	0.719	-0.064	0.284	-0.64	7	-19.52	52.15	8	-1.059

* Differences are significant at the 95-percent confidence level ($t > \pm 2.3646$ for $n = 8$, $t > \pm 3.1824$ for $n = 4$).

u High undefined value as the result of a zero divisor.

Table 5. Statistical analysis of split samples collected for laboratory comparison.

[USGS = U.S. Geological Survey; MCEHL = Monroe County Environmental Health Laboratory;
DKN = dissolved Kjeldahl nitrogen; OrthoP = Orthophosphorus.]m

Date	Constituent	Number of pairs (n)	Paired t-test on differences					t-test on bias				
			Mean values		Mean difference (d)	Standard deviation	Degrees of freedom (n-1)	Mean bias	Standard deviation	Number of pairs (n)		
			USGS	MCEHL								
11-17-87	DKN	16	0.375	0.311	-0.064	0.135	-1.89	15	-20.97	41.41	16	-2.026
	NO ₂ +NO ₃	16	0.882	0.948	0.065	0.037	*6.98	15	6.350	2.701	16	*9.404
6-20-89	Ortho P	16	0.026	0.029	0.002	0.043	0.23	15	102.6	112.5	16	*3.648
	NO ₂ +NO ₃	16	1.062	1.068	0.006	0.039	0.57	15	0.266	3.532	16	0.256
	DKN	16	0.744	0.656	-0.088	0.222	-1.58	15	-5.088	30.90	16	-0.659

* Differences are significant at the 95-percent confidence level ($t > \pm 2.1314$).

yearly to laboratories that analyze water samples as part of a cooperative program. The analytical results from all participating laboratories are sent to the Central Laboratory and analyzed statistically to determine the "most probable value" (MPV) for each constituent. Each laboratory's results are then compared against the MPV and rated (table 6) by increments of standard deviation from the MPV.

ACCESS TO WATSTORE DATA

USGS is the principal Federal water-data agency and, as such, collects and disseminates about 70 percent of the water data currently being used by State, local, private, and other Federal agencies to develop and manage our water resources. As part of the USGS program of releasing water data to the public, a large-scale computerized system has been developed for the storage and retrieval of water data collected through its activities. The National WATER Data STOrage and RETrieval System (WATSTORE) was established in 1972 to provide an efficient means for the processing and maintenance of USGS water data collected and to

facilitate release of the data to the public. A variety of products, ranging from data tables to complex statistical analyses such as Log Pearson Type III, can be produced through WATSTORE. The system resides on the central computer facilities of USGS at its National Center in Reston, Va., and consists of the following related files and data bases.

- Station Header File - Contains descriptive information on more than 440,000 sites throughout the United States and its territories where USGS collects or has collected data.
- Daily Values File - Contains more than 220 million daily values of streamflow, stages, reservoir contents, water temperature, specific conductance, sediment concentration, sediment discharge, and ground-water levels.
- Peak Flow File - Contains about 500,000 maximum (peak) streamflow and gage-height values at surface-water sites.
- Water-Quality File - Contains about 2 million analyses of water samples that describe the chemical, physical, biological, and radiochemical characteristics of both surface water and ground water.

Table 6. Rating of cooperating laboratory's analysis of U.S. Geological Survey standard reference water samples [First number is rating, explained in footnote. Numbers in parentheses are the number of constituents analyzed in each group.]

Date	Constituents					
	Trace elements	Major ions	Nutrients	Precipitation	Mercury	Overall
May 1983	2.92 (13)	3.07 (15)	3.00 (6)	2.64 (11)	--	3.07 (45)
Nov. 1983	3.60 (12)	3.20 (15)	3.00 (6)	3.27 (11)	--	3.20 (44)
May 1984	2.85 (13)	1.87 (15)	2.60 (6)	3.20 (15)	--	2.63 (49)
Nov. 1984	2.56 (16)	3.73 (15)	3.83 (6)	2.71 (17)	--	3.21 (54)
May 1985	2.37 (18)	3.21 (15)	3.33 (6)	--	--	2.97 (39)
Dec. 1985	3.43 (14)	3.47 (15)	3.33 (6)	3.10 (20)	--	3.33 (55)
May 1986	2.90 (21)	3.50 (28)	3.17 (6)	3.13 (16)	--	3.18 (71)
Oct. 1986	2.81 (21)	3.64 (14)	3.60 (5)	3.22 (9)	--	3.32 (49)
May 1987	2.56 (16)	3.00 (27)	3.60 (5)	3.70 (11)	4.0 (1)	3.40 (60)
Oct. 1987	2.90 (18)	3.00 (14)	3.50 (6)	--	4.0 (1)	3.20 (39)
May 1988	2.80 (13)	3.30 (28)	3.80 (6)	2.90 (10)	--	3.20 (56)
Mean	2.88	3.23	3.34	3.10	4.00	3.16

Rating system:

- 4 excellent 0.00 to 0.50 standard deviation from Most Probable Value (MPV).
- 3 good 0.51 to 1.00 standard deviation.
- 2 satisfactory 1.01 to 1.50 standard deviation.
- 1 questionable 1.51 to 2.00 standard deviation.
- 0 poor 2.00 standard deviation.

- Ground-Water Site Inventory Data Base - Contains inventory data on more than 900,000 wells, springs, and other sources of ground water. The data include site location, geohydrologic characteristics, well-construction history, and one-time field measurements such as water temperature.

In 1976, the USGS opened WATSTORE to the public. Direct access to WATSTORE can be obtained through:

U.S. Geological Survey
National Water Data Exchange
421 National Center
Reston, VA 22092

The system can be accessed either synchronously or asynchronously. The requestor will be expected to pay all computer costs incurred.

In addition to direct access, WATSTORE data can be provided in various machine-readable formats on magnetic tape or 6-1/4-in. floppy disk. Information about the availability of specific types of data or products, and user charges, can be obtained locally from each USGS District office. (See address on back of title page.) A limited number of CD-ROM discs are available for sale by the Books and Open-File Reports Section, U.S. Geological Survey, Federal Center, Box 25425, Denver, CO 80225. □

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DATA FROM SURFACE-WATER, GROUND-WATER, AND PRECIPITATION STATIONS IN MONROE COUNTY

SURFACE-WATER STATIONS, IN DOWNSTREAM ORDER

[Letter after station name designates type of data: (d) discharge, (e) gage height,
(c) chemical, (b) biological, (t) water temperature, (s) sediment, (p) precipitation.]

ST. LAWRENCE RIVER BASIN

LAKE ONTARIO:

STREAMS TRIBUTARY TO GENESEE RIVER

Honeoye Creek at Honeoye Falls (d)	36
Oatka Creek at Garbutt (d)	42
Genesee River at Ballantyne Bridge near Mortimer (e)	48
Black Creek at Churchville (d)	54
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STREAMS TRIBUTARY TO IRONDEQUOIT CREEK	
Irondequoit Creek near Pittsford (dc)	77
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Irondequoit Creek at Blossom Road, Rochester (dc)	152

WELLS AND SPRING

[Letter after station identification designates type of data:
(e) water level, (c) chemical, (t) water temperature]

Spring 430249077283401 Powder Mill Park No. 1 [Mo 660] (c)	182
Spring 430249077283402 Powder Mill Park No. 2 [Mo 661] (c)	193
Spring 430249077283403 Powder Mill Park No. 3 [Mo 662] (c)	204
Well 430250077284401 Powder Mill Park No. 4 [Mo 12] (ect)	215
Well 430252077283401 Powder Mill Park No. 1 [Mo 10] (ect)	222
Well 430252077283402 Powder Mill Park No. 2 [Mo 11] (ect)	229
Well 430853077304401 Ellison Park No. 1 [Mo 1] (ect)	236
Well 430853077304402 Ellison Park No. 2 [Mo 2] (ect)	242
Well 430853077304601 Ellison Park No. 3 [Mo 3] (ect)	248
Well 430853077305001 Ellison Park No. 4 [Mo 4] (ect)	254
Well 430853077305301 Ellison Park No. 5 [Mo 5] (ect)	260
Well 430853077305302 Ellison Park No. 6 [Mo 6] (ect)	266
Well 430932077311501 Browncroft Boulevard [Mo 659] (e)	272

PRECIPITATION STATIONS

[Letter after station identification designates type of data: (p) precipitation, (c) chemical]

430117077350101 At Mendon Ponds (pc)	273
430314077292801 near Pittsford (p)	294
430622077274401 at Fairport (p)	300
430850077304801 at Blossom Road, Rochester (p)	306

STREAMS TRIBUTARY TO GENESEE RIVER
04229500 HONEOYE CREEK AT HONEOYE FALLS, NY

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

DRAINAGE AREA.--196 mi².

PERIOD OF RECORD.--October 1945 to September 1970, October 1972 to current year.

REVISED RECORDS.--WSP 2112; WDR NY-82-3: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 610.00 ft above National Geodetic Vertical Datum of 1929. Prior to Sept. 30, 1970, water-stage recorder at same site at datum 609.76 ft NGVD.

REMARKS.--Records rated good to fair except those for winter periods or estimated daily discharges, which are fair to poor. Outlet of Honeoye Lake not controlled. Some diversion from and regulation of Hemlock and Canadice Lakes for water supply of city of Rochester. Diurnal fluctuation at low flow caused by mills upstream from station. Prior to 1967 water year, published monthly figures adjusted for change in contents in, and diversion from, Hemlock and Canadice Lakes. During low-water periods the village of Honeoye Falls pumps water from two deep wells with maximum pumping capacity of 600 gal/min (1.33 ft³/s). This pumped water enters creek upstream from gage. Satellite gage-height telemeter at station. Several measurements of water temperature were made during each year.

AVERAGE DISCHARGE.--42 years (water years 1946-70, 1973-89), 122 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,630 ft³/s, Mar. 28, 1950, gage height, 6.42 ft, datum then in use, from rating curve extended above 2,700 ft³/s by logarithmic plotting; minimum, 0.06 ft³/s, Aug. 28, 1949.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 23, 1972, reached a stage of about 6.3 ft, current datum; discharge, about 6,600 ft³/s, from rating curve extended above 2,700 ft³/s by logarithmic plotting.

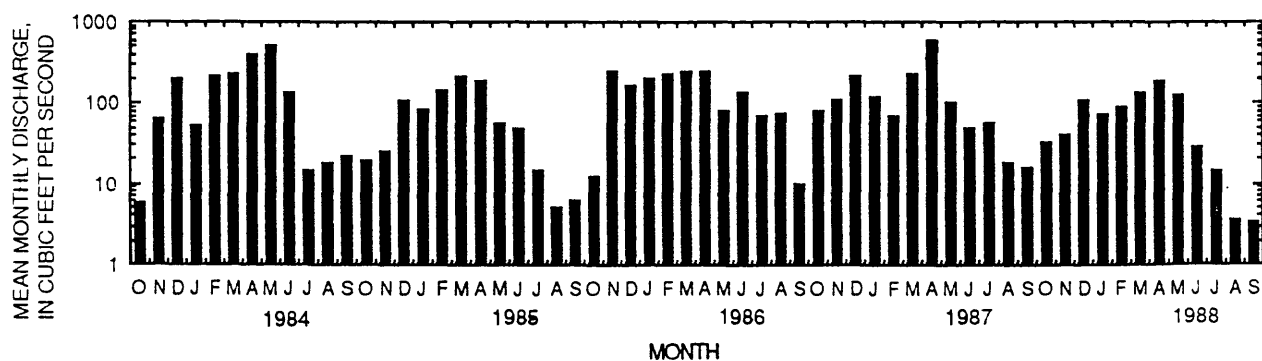
EXTREMES FOR WATER YEARS 1984-88.--Table of annual maximum and minimum discharge and gage height:

Water year	Date	Time	Maximum discharge (ft ³ /s)	Gage height (ft)	Date	Maximum gage height (ft)	Date	Minimum discharge (ft ³ /s)	Date	Minimum gage height (ft)
1984	May 29	2200	1,420	3.47	Feb. 14	^a 3.54	Oct. 6, 7	^b 2.2	Oct. 6	^c 0.20
1985	Feb. 24	2100	1,110	3.27	Feb. 24	^a 3.99	Aug. 23	^b 2.7	Sept. 19	^c .28
1986	Jan. 21	0830	2,190	4.22			Sept. 16	1.4	Sept. 16	.16
1987	Apr. 5	1900	2,330	4.23			June 20-21	3.5	June 20-21	.30
									Aug. 26-27	
1988	Apr. 4	2200	991	3.14			Aug. 21-22	^b 1.0		

a Result of ice jam

b Minimum daily value

c Minimum observed gage height



STREAMS TRIBUTARY TO GENESEE RIVER

04229500 HONEOYE CREEK AT HONEOYE FALLS, NY--continued

RECORD QUALITY.--Fair except those for winter periods, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e4.0	6.3	115	e88	e46	e100	297	248	612	29	e5.1	6.9
2	e2.9	5.4	84	e82	e43	e110	468	209	480	27	e5.1	7.3
3	e2.5	6.2	73	e78	e42	e120	641	180	390	24	e4.8	12
4	e2.4	11	71	e76	e58	e110	522	419	348	23	e4.8	20
5	e2.3	22	94	e72	e110	e110	647	775	296	25	e4.8	15
6	e2.2	44	179	e72	e120	e140	866	530	249	30	e4.5	10
7	e2.2	49	229	e70	e92	e170	612	357	183	36	e4.5	e7.5
8	e2.4	36	149	e68	e66	e170	455	343	108	28	e4.5	e5.7
9	e2.4	26	116	e62	e56	e160	367	468	88	22	e4.5	e5.1
10	e2.5	22	94	e56	e54	e140	311	363	78	18	e4.5	e4.8
11	e2.6	71	88	e52	e110	e130	278	283	65	18	e5.0	e6.8
12	e2.7	247	101	e47	e340	e140	245	465	54	19	e6.0	14
13	e4.0	136	356	e43	e410	e140	224	466	47	20	e8.2	27
14	e5.0	71	980	e40	e780	e120	231	786	56	16	14	72
15	e5.0	53	857	e38	e840	e94	249	658	61	14	53	118
16	e6.3	79	474	e37	e540	e180	277	537	46	11	52	76
17	e5.4	99	308	e36	390	e540	342	448	40	10	35	48
18	e5.4	86	237	e35	327	472	284	377	53	9.9	30	30
19	e5.0	66	e150	e34	287	300	284	338	223	9.1	21	21
20	5.0	58	e150	e33	264	e260	234	308	159	8.2	19	16
21	4.9	53	e120	e32	232	e620	204	301	76	e7.2	14	13
22	4.8	52	e120	e32	207	612	169	280	53	e7.2	11	10
23	5.8	45	e140	e31	192	423	155	e360	43	e6.0	55	9.2
24	6.6	38	e130	e30	175	295	179	721	40	e5.4	72	8.3
25	15	38	e120	e38	160	260	1050	618	44	e4.8	37	7.9
26	13	40	e120	e66	e140	230	936	507	45	e4.8	22	11
27	12	37	e110	e70	e120	200	510	437	39	e6.4	15	20
28	10	48	e110	e64	e80	181	347	478	34	6.8	13	19
29	11	237	e110	e60	e72	191	348	1230	34	8.1	11	15
30	10	189	e98	e54	---	197	301	1200	32	e6.4	10	12
31	8.3	---	e92	e49	---	236	---	815	---	e5.4	7.7	---
TOTAL	173.6	1970.9	6175	1645	6353	7151	12033	15505	4076	465.7	558.0	648.5
MEAN	5.60	65.7	199	53.1	219	231	401	500	136	15.0	18.0	21.6
MAX	15	247	980	88	840	620	1050	1230	612	36	72	118
MIN	2.2	5.4	71	30	42	94	155	180	32	4.8	4.5	4.8
CAL YR 1983	TOTAL	38532.2	MEAN	106	MAX	980	MIN	2.2				
WTR YR 1984	TOTAL	56754.7	MEAN	155	MAX	1230	MIN	2.2				

e Estimated

STREAMS TRIBUTARY TO GENESEE RIVER
04229500 HONEOYE CREEK AT HONEOYE FALLS, NY--continued

RECORD QUALITY.--Fair except those for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	26	47	338	47	229	725	61	100	34	e12	e5.2
2	11	28	50	440	e40	229	489	54	77	27	e11	e4.5
3	16	24	49	276	e29	205	321	49	39	24	e9.0	e4.5
4	15	23	54	e120	e25	156	308	44	26	21	e7.8	e5.2
5	14	22	e44	e72	e24	166	294	42	24	19	e6.8	e7.0
6	12	26	e31	e58	e24	238	279	58	24	17	e6.2	e6.8
7	9.7	29	e41	e52	e24	197	243	99	23	18	e5.8	e5.8
8	8.3	25	e54	e50	e24	277	207	97	21	18	e5.4	e7.2
9	7.5	19	e48	e52	e24	387	186	73	19	16	e5.2	7.6
10	7.8	20	52	e52	e25	282	170	61	18	14	e4.7	19
11	8.6	32	84	e52	e25	229	162	54	17	19	e4.2	16
12	48	44	114	e52	e25	260	147	52	43	18	e3.6	12
13	59	39	145	e52	e27	446	131	74	116	14	e3.4	9.0
14	31	32	129	e54	e48	414	124	85	113	13	e3.4	e7.4
15	17	27	100	e80	e84	315	120	64	61	14	e3.7	e6.2
16	14	25	95	e90	e70	246	114	55	44	14	e4.2	e5.4
17	14	23	85	e62	e52	226	102	54	132	14	e4.0	e4.9
18	15	21	78	e46	e40	201	88	51	114	13	e3.8	e4.3
19	16	20	70	e45	e40	175	99	51	75	10	e3.6	e3.8
20	17	e16	73	e45	e42	181	233	59	54	9.7	e3.3	e3.5
21	18	e14	78	e45	e54	159	186	63	50	8.8	e3.0	e3.3
22	17	e14	184	e45	e110	135	138	62	44	8.6	e2.8	e3.2
23	16	e15	216	e48	e310	129	120	49	36	e8.4	e2.7	e3.0
24	16	16	138	e48	e1000	129	110	39	29	e7.8	e3.1	e2.9
25	16	18	e90	e48	e820	152	100	33	27	e7.2	e3.6	e2.9
26	16	20	e43	e49	e430	138	93	29	27	e9.0	e4.3	e3.3
27	20	20	e42	e52	309	121	85	28	25	e13	e4.7	e5.2
28	24	20	e88	e54	234	134	78	40	22	e12	e4.4	e5.0
29	24	29	187	e56	---	216	73	65	27	e10	e5.2	e4.7
30	32	52	565	e58	---	184	70	45	35	e8.6	e5.8	e4.4
31	29	---	415	52	---	241	---	41	---	e11	e6.0	---
TOTAL	578.9	739	3489	2643	4006	6797	5595	1731	1462	451.1	156.7	183.2
MEAN	18.7	24.6	113	85.3	143	219	186	55.8	48.7	14.6	5.05	6.11
MAX	59	52	565	440	1000	446	725	99	132	34	12	19
MIN	7.5	14	31	45	24	121	70	28	17	7.2	2.7	2.9
CAL YR 1984	TOTAL	53242.0	MEAN	145	MAX	1230	MIN	4.5				
WTR YR 1985	TOTAL	27831.9	MEAN	76.3	MAX	1000	MIN	2.7				

e Estimated

STREAMS TRIBUTARY TO GENESEE RIVER

04229500 HONEOYE CREEK AT HONEOYE FALLS, NY--continued

RECORD QUALITY.--Good except those for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e4.2	9.2	391	e70	e140	e110	98	84	53	60	207	15
2	e3.9	7.1	405	e70	e120	e100	92	81	193	57	269	14
3	e3.7	6.0	318	e66	e140	e100	86	75	145	58	213	13
4	e3.6	11	213	e66	e150	e100	82	69	77	58	146	12
5	e3.5	142	181	e60	e360	e110	85	67	59	48	113	9.3
6	e3.4	501	168	e60	e280	e120	97	67	61	42	93	6.5
7	e3.2	363	160	e54	e170	e100	100	75	68	36	86	4.6
8	e3.1	192	150	e54	e140	e80	111	77	74	32	86	4.0
9	e3.0	112	143	e54	e140	e100	118	68	115	30	90	4.0
10	e3.1	141	144	e50	e130	195	114	63	98	28	80	3.7
11	e3.2	298	203	e50	e120	640	133	58	68	26	97	3.7
12	e3.1	244	393	e50	e110	447	161	55	70	30	95	3.7
13	e3.7	303	358	e45	e100	440	154	52	317	52	72	3.5
14	e4.0	466	241	e40	e94	698	130	48	321	111	61	3.5
15	e4.9	480	e150	e35	e100	725	136	47	169	144	55	3.3
16	27	390	e140	e40	e94	625	450	52	122	76	54	2.4
17	20	525	e120	e60	e130	414	1410	45	311	54	57	1.5
18	12	397	e110	e140	e180	326	906	43	376	53	54	1.6
19	13	280	e100	e300	e340	298	442	58	237	64	49	1.6
20	43	230	e100	e880	e680	282	337	111	164	71	45	1.8
21	34	199	e96	e1600	e780	224	348	248	146	148	42	1.9
22	19	175	e86	e700	e480	195	314	170	150	145	40	1.9
23	14	211	e90	e400	e380	203	258	134	109	86	37	6.1
24	12	198	e86	e230	e280	165	222	130	87	65	31	30
25	11	160	e80	e220	e210	161	196	89	80	55	28	37
26	18	178	e60	e220	e150	160	175	67	73	51	25	23
27	16	402	e66	e190	e140	151	150	55	62	50	23	22
28	12	332	e64	e100	e120	142	113	48	66	53	21	20
29	9.7	264	e70	e90	---	130	95	44	70	54	19	16
30	29	259	e80	e120	---	121	87	40	63	75	18	24
31	17	---	e76	e130	---	111	---	36	---	162	16	---
TOTAL	360.3	7475.3	5042	6244	6258	7773	7200	2356	4004	2074	2322	294.6
MEAN	11.6	249	163	201	223	251	240	76.0	133	66.9	74.9	9.82
MAX	43	525	405	1600	780	725	1410	248	376	162	269	37
MIN	3.0	6.0	60	35	94	80	82	36	53	26	16	1.5
CAL YR 1985	TOTAL	35902.6	MEAN	98.4	MAX	1000	MIN	2.7				
WTR YR 1986	TOTAL	51403.2	MEAN	141	MAX	1600	MIN	1.5				

e Estimated

STREAMS TRIBUTARY TO GENESEE RIVER
04229500 HONEOYE CREEK AT HONEOYE FALLS, NY--continued

RECORD QUALITY.--Good except those for estimated daily discharges, which are fair.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	90	123	86	e88	e150	306	285	31	46	45	12
2	46	87	137	74	e90	e850	398	241	102	47	26	12
3	38	99	576	58	e88	e640	389	212	57	106	24	11
4	139	96	584	e100	e86	e310	388	183	89	135	26	11
5	253	83	397	e150	e84	e240	1600	163	52	124	21	9.6
6	183	80	303	e110	e82	e220	1840	145	34	107	18	8.3
7	95	87	283	e100	e80	e390	1680	133	28	99	15	7.2
8	64	84	327	e100	e76	625	1390	121	28	103	13	7.2
9	50	82	313	e96	e76	490	1040	110	31	93	16	7.3
10	45	78	440	e90	e74	305	819	104	27	71	64	7.9
11	42	71	321	e90	e72	246	679	95	21	61	65	8.5
12	38	69	209	e86	e70	237	594	88	22	51	35	9.6
13	61	69	148	e84	e70	217	661	80	30	49	22	8.8
14	105	63	145	e82	e68	183	736	69	31	51	16	11
15	88	58	150	e180	e66	166	603	82	20	67	13	19
16	70	60	142	430	e66	144	534	86	13	58	10	17
17	62	62	140	244	e64	130	455	76	8.6	44	8.9	15
18	84	61	147	178	e64	119	394	67	6.5	35	7.3	20
19	102	59	185	141	e62	111	354	65	5.0	30	7.5	30
20	80	53	181	117	e60	104	313	65	4.0	38	7.5	35
21	67	67	164	125	e58	99	259	67	3.5	57	7.5	30
22	61	83	136	e110	e56	97	212	61	13	41	6.7	24
23	57	85	121	e100	e56	95	187	83	221	30	6.1	21
24	55	138	131	e98	e56	91	205	76	221	23	5.8	19
25	57	147	158	e94	e54	91	271	58	71	20	5.7	20
26	56	182	192	e90	e52	111	243	51	42	18	5.4	19
27	59	424	145	e88	e50	137	203	48	74	19	6.6	17
28	67	299	121	e86	e52	130	427	46	65	17	8.9	16
29	71	190	110	e84	---	121	533	44	50	14	16	15
30	96	149	98	e80	---	109	369	39	42	20	18	23
31	113	---	94	e84	---	150	---	33	---	64	15	---
TOTAL	2442	3255	6721	3635	1920	7108	18082	3076	1442.6	1738	561.9	471.4
MEAN	78.8	108	217	117	68.6	229	603	99.2	48.1	56.1	18.1	15.7
MAX	253	424	584	430	90	850	1840	285	221	135	65	35
MIN	38	53	94	58	50	91	187	33	3.5	14	5.4	7.2
CAL YR 1986	TOTAL	50943.6	MEAN	140	MAX	1600	MIN	1.5				
WTR YR 1987	TOTAL	50452.9	MEAN	138	MAX	1840	MIN	3.5				

e Estimated

STREAMS TRIBUTARY TO GENESEE RIVER
04229500 HONEOYE CREEK AT HONEOYE FALLS, NY--continued

RECORD QUALITY.--Good except those for estimated daily discharges, which are fair.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46	31	148	e64	e110	e60	148	211	62	5.6	5.1	11
2	62	29	95	e60	e130	e73	144	142	62	5.2	5.2	6.7
3	59	28	77	e56	e110	e82	152	119	63	4.6	4.4	4.3
4	52	28	72	e54	e90	e84	751	108	64	3.9	3.3	4.5
5	42	29	72	e52	e80	e78	702	100	57	3.0	2.7	3.9
6	34	29	68	e50	e72	e72	361	94	49	2.3	2.8	5.3
7	31	27	60	e49	e66	e74	268	89	45	1.9	2.1	6.0
8	29	27	62	e47	e60	e80	233	82	43	1.7	2.2	5.2
9	28	31	79	e45	e58	e82	232	75	40	1.6	2.1	3.8
10	26	48	140	e44	e56	e110	211	71	37	1.4	1.8	2.9
11	27	53	124	e42	e52	e100	180	70	33	1.4	1.6	2.4
12	29	42	96	e40	e50	86	157	66	31	1.4	1.6	2.1
13	33	38	85	e37	e48	83	139	62	27	1.4	1.4	2.2
14	31	38	80	e56	e47	84	126	61	25	1.5	e1.4	1.9
15	28	36	83	e49	e54	77	120	58	22	1.5	e1.4	1.7
16	26	33	153	e43	e85	73	116	59	20	1.4	e1.3	1.6
17	24	33	130	e39	e120	70	105	108	19	9.0	e1.3	2.7
18	23	38	92	e35	e106	71	98	112	17	15	e1.2	2.6
19	22	46	88	e100	e94	70	95	101	16	14	e1.2	1.9
20	22	40	214	e270	e98	69	88	160	14	9.1	e1.1	2.3
21	22	32	410	e200	e105	63	81	562	13	12	e1.0	1.9
22	23	34	232	e160	e122	58	78	389	12	27	e1.0	1.6
23	24	25	148	e110	e145	69	79	210	15	37	e1.3	2.9
24	29	27	122	e80	e160	91	126	164	15	34	1.9	2.2
25	32	31	115	e70	e115	126	111	138	13	53	2.1	3.1
26	32	34	e100	e66	e86	473	87	126	11	81	2.5	4.0
27	31	39	e90	e64	e66	559	79	113	9.4	58	2.3	3.9
28	30	36	e78	e66	e64	393	82	97	8.6	25	5.0	2.5
29	33	55	e56	e66	e62	249	97	85	7.2	14	10	1.9
30	34	193	e50	e62	---	200	278	75	6.0	9.2	21	1.7
31	32	---	e60	e70	---	168	---	68	---	7.0	19	---
TOTAL	996	1210	3479	2246	2511	4027	5524	3975	856.2	444.1	112.3	100.7
MEAN	32.1	40.3	112	72.5	86.6	130	184	128	28.5	14.3	3.62	3.36
MAX	62	193	410	270	160	559	751	562	64	81	21	11
MIN	22	25	50	35	47	58	78	58	6.0	1.4	1.0	1.6
CAL YR 1987	TOTAL	43719.9	MEAN	120	MAX	1840	MIN	3.5				
WTR YR 1988	TOTAL	25481.3	MEAN	69.6	MAX	751	MIN	1.0				

e Estimated

STREAMS TRIBUTARY TO GENESEE RIVER
04230500 OATKA CREEK AT GARBUTT, NY

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

DRAINAGE AREA.--200 mi².

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

REVISED RECORDS.--WSP 2112; WDR NY-82-3: Drainage area. WRD NY 1971: 1960(M).

GAGE.--Water-stage recorder. Datum of gage is 560.86 ft above National Geodetic Vertical Datum of 1929.

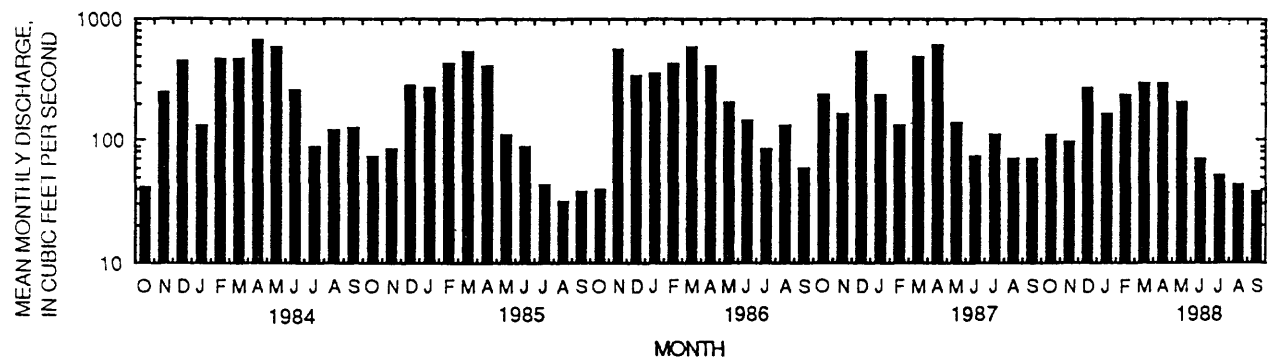
REMARKS.--Records good except those for estimated daily discharges, which are fair. Telephone gage-height telemeter and satellite gage-height and precipitation telemeter at station. Several measurements of water temperature were made during each year.

AVERAGE DISCHARGE.--44 years, 214 ft³/s, 14.53 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,050 ft³/s, Mar. 31, 1960, gage height, 8.64 ft; minimum, 3.3 ft³/s, Sept. 11, 12, 1958; minimum gage height, 1.88 ft, June 19, 1959, result of regulation; minimum daily, 13 ft³/s, Oct. 30 to Nov. 1, 1966.

EXTREMES FOR WATER YEARS 1984-88.--Peak discharges greater than base discharge of 1,500 ft³/s and annual maximum (*), and minimum:

Water year	Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Minimum discharge (ft ³ /s)	Gage height (ft)
1984	Feb. 15	1045	2,870	6.32	Apr. 6	1245	*3,360	*6.91	Oct. 12	32	2.30
	Mar. 22	1945	1,790	5.64							
1985	Dec. 31	0815	2,200	6.01	Apr. 2	0730	1,730	5.53	Aug. 23	25	2.29
	Feb. 25	0800	*4,010	*7.39							
1986	Jan. 21	2200	*2,060	*5.87	Mar. 15	1415	1,940	5.75	Oct. 9-10, 12	28	2.27
	Mar. 12	0530	1,730	5.53	Apr. 18	1015	1,750	5.55			
1987	Mar. 9	1100	1,820	5.63	Apr. 6	2145	*2,450	*6.42	Sept. 6, 7, 8	48	2.41
1988	Apr. 5	2200	*1,280	*5.02					Sept. 17	32	2.30



STREAMS TRIBUTARY TO GENESEE RIVER
04230500 OATKA CREEK AT GARBUTT, NY--continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	43	397	e190	e110	e200	506	303	711	112	57	66
2	36	41	274	e180	e110	e210	635	276	489	108	60	64
3	36	45	243	e170	e110	e220	711	260	410	101	59	84
4	34	49	241	178	124	e220	736	532	367	102	58	82
5	37	69	264	179	162	236	1500	873	330	123	60	81
6	38	92	437	180	178	274	2970	951	292	122	57	75
7	35	111	789	e170	e150	e330	1770	647	273	131	58	67
8	34	124	701	e150	e130	e280	941	483	258	120	55	61
9	35	118	654	e140	e120	e240	698	504	242	106	57	58
10	34	97	440	e130	e120	e210	582	490	231	99	61	57
11	35	154	351	e120	139	e200	512	420	217	108	63	75
12	34	463	457	e110	265	e190	465	491	204	114	68	125
13	36	445	850	e120	e540	e180	428	575	194	102	190	142
14	48	336	1080	e120	e1400	e180	406	752	206	94	226	215
15	44	229	1180	e120	2420	e180	432	788	228	85	300	350
16	55	513	994	e120	1680	278	498	726	191	81	329	456
17	40	569	755	124	865	553	585	526	171	76	412	324
18	37	528	533	123	633	578	585	429	196	77	224	193
19	37	392	e380	119	563	595	528	385	323	76	143	150
20	37	335	e290	e120	529	524	469	365	476	71	109	129
21	37	367	e260	e120	511	991	423	365	421	69	93	116
22	37	379	e290	e110	433	1620	353	373	213	69	86	107
23	43	296	e300	102	393	1370	325	465	162	66	122	100
24	42	227	e310	103	386	813	339	677	171	67	189	95
25	54	202	e270	110	347	628	598	699	214	65	133	92
26	56	180	e250	130	311	589	674	537	218	64	98	98
27	52	163	e240	146	281	540	640	383	166	66	83	101
28	48	164	e220	140	e220	499	461	368	142	63	75	118
29	51	328	e210	130	e160	495	380	924	127	62	70	98
30	50	447	e200	128	---	466	337	1220	118	61	69	90
31	46	---	e190	124	---	463	---	1230	---	60	69	---
TOTAL	1274	7506	14050	4206	13390	14352	20487	18017	7961	2720	3733	3869
MEAN	41.1	250	453	136	462	463	683	581	265	87.7	120	129
MAX	56	569	1180	190	2420	1620	2970	1230	711	131	412	456
MIN	34	41	190	102	110	180	325	260	118	60	55	57
CFSM	.21	1.25	2.27	.68	2.31	2.31	3.41	2.91	1.33	.44	.60	.64
IN.	.24	1.40	2.61	.78	2.49	2.67	3.81	3.35	1.48	.51	.69	.72
CAL YR 1983	TOTAL	72289	MEAN	198	MAX	1180	MIN	34	CFSM	.99	IN.	13.45
WTR YR 1984	TOTAL	111565	MEAN	305	MAX	2970	MIN	34	CFSM	1.52	IN.	20.75

e Estimated

STREAMS TRIBUTARY TO GENESEE RIVER
04230500 OATKA CREEK AT GARBUTT, NY--continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	86	75	100	1160	118	e480	1370	136	145	50	39	29
2	87	71	90	1050	119	459	1560	130	142	48	38	28
3	96	69	110	924	e110	437	939	129	104	49	36	27
4	101	72	108	591	e92	e350	744	123	83	48	35	26
5	89	74	e120	382	e90	e370	674	122	75	46	35	31
6	83	73	e100	323	e92	e560	629	129	71	49	35	29
7	78	82	e84	295	e92	e540	521	224	68	50	35	28
8	75	78	e92	e250	e92	e640	424	220	66	47	35	29
9	75	75	112	e190	e92	958	375	161	63	48	34	31
10	74	72	112	e210	e100	1040	351	135	60	48	34	111
11	72	80	125	212	104	680	325	125	58	47	33	100
12	72	136	182	e200	107	621	310	119	79	47	33	59
13	71	139	238	e190	109	835	282	118	196	47	33	45
14	69	107	322	e190	e100	975	265	114	180	46	33	36
15	66	94	325	e180	e110	757	251	107	133	47	33	33
16	65	90	264	e160	e110	587	237	101	110	48	33	33
17	65	89	213	e150	114	489	220	98	113	45	32	33
18	66	90	183	e150	111	446	203	98	124	43	31	33
19	66	89	162	e150	e100	369	211	99	97	43	31	33
20	66	88	148	e140	e100	349	411	98	82	42	30	33
21	71	85	151	e120	e100	340	364	96	72	42	29	33
22	83	74	186	e120	118	313	269	90	66	41	29	33
23	74	71	332	131	413	288	227	94	63	41	28	33
24	71	75	329	134	1660	300	201	84	59	41	28	34
25	70	73	e210	133	3520	382	183	76	56	40	31	33
26	69	76	e140	130	2500	349	174	72	54	42	29	33
27	70	79	e130	128	1070	317	167	72	52	40	30	38
28	81	77	173	127	e620	386	158	75	51	39	30	34
29	81	80	387	125	---	616	152	96	54	39	33	33
30	76	99	1480	e120	---	726	145	90	53	38	31	32
31	79	---	1980	e110	---	595	---	87	---	40	30	---
TOTAL	2347	2532	8688	8475	12063	16554	12342	3518	2629	1381	1006	1143
MEAN	75.7	84.4	280	273	431	534	411	113	87.6	44.5	32.5	38.1
MAX	101	139	1980	1160	3520	1040	1560	224	196	50	39	111
MIN	65	69	84	110	90	288	145	72	51	38	28	26
CFSM	.38	.42	1.40	1.37	2.15	2.67	2.06	.57	.44	.22	.16	.19
IN.	.44	.47	1.62	1.58	2.24	3.08	2.30	.65	.49	.26	.19	.21
CAL YR 1984	TOTAL	102301.8	MEAN	280	MAX	2970	MIN	55	CFSM	1.40	IN.	19.03
WTR YR 1985	TOTAL	72678	MEAN	199	MAX	3520	MIN	26	CFSM	1.00	IN.	13.52

e Estimated

STREAMS TRIBUTARY TO GENESEE RIVER
04230500 OATKA CREEK AT GARBUTT, NY--continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	34	592	e170	e180	e240	225	231	104	118	147	56
2	30	34	775	e170	e200	e220	208	222	273	111	170	55
3	30	34	780	e170	e240	e220	193	208	259	93	205	55
4	30	44	651	e160	e260	e230	184	198	154	84	130	55
5	31	245	444	e170	e520	e230	186	191	130	77	93	56
6	30	912	378	e160	e620	e230	234	189	137	70	77	54
7	29	1340	345	e140	e580	e200	235	184	151	66	73	54
8	29	972	319	e130	e380	e170	235	184	248	67	81	53
9	28	501	301	e130	e310	e200	276	179	268	65	103	53
10	28	406	299	e130	e290	e240	263	176	216	62	118	53
11	29	642	366	e130	e240	1240	285	173	141	61	397	53
12	28	703	540	e150	e230	1590	289	170	127	65	460	53
13	30	812	580	e140	e200	1260	284	167	160	73	392	51
14	29	836	516	e120	e190	1510	265	164	223	148	191	51
15	32	1080	e360	e110	e190	1860	257	163	154	152	128	52
16	32	885	e310	e110	e190	1460	384	173	123	108	115	56
17	43	883	e290	e120	e190	995	1230	197	132	86	125	52
18	39	792	e250	e190	e200	695	1610	197	230	76	124	50
19	37	709	e230	e560	e480	594	967	171	148	75	100	49
20	54	464	e240	e1100	e880	626	556	229	116	106	88	49
21	117	352	e240	e1800	e1400	595	598	438	105	110	81	49
22	66	310	e220	1690	e1100	415	602	427	97	115	77	48
23	48	366	e220	e900	e920	391	480	363	98	109	72	56
24	43	468	e230	e540	e560	365	392	398	90	82	72	79
25	44	368	e200	e400	e420	345	343	260	95	69	67	129
26	57	327	e160	e360	e330	325	311	192	86	64	67	78
27	65	584	e160	e270	e300	325	287	158	83	62	63	62
28	49	692	e170	e180	e270	310	270	137	77	60	60	61
29	42	684	e170	e160	---	276	254	123	79	59	59	73
30	37	528	e160	e170	---	257	237	112	118	70	59	108
31	35	---	e170	e150	---	239	---	102	---	92	57	---
TOTAL	1253	17007	10666	10880	11870	17853	12140	6476	4422	2655	4051	1803
MEAN	40.4	567	344	351	424	576	405	209	147	85.6	131	60.1
MAX	117	1340	780	1800	1400	1860	1610	438	273	152	460	129
MIN	28	34	160	110	180	170	184	102	77	59	57	48
CFSM	.20	2.83	1.72	1.75	2.12	2.88	2.02	1.04	.74	.43	.65	.30
IN.	.23	3.16	1.98	2.02	2.21	3.32	2.26	1.20	.82	.49	.75	.34
CAL YR 1985	TOTAL	88037	MEAN	241	MAX	3520	MIN	26	CFSM	1.21	IN.	16.37
WTR YR 1986	TOTAL	101076	MEAN	277	MAX	1860	MIN	28	CFSM	1.38	IN.	18.80

e Estimated

STREAMS TRIBUTARY TO GENESEE RIVER
04230500 OATKA CREEK AT GARBUTT, NY--continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	194	157	213	238	171	206	633	266	70	103	94	58
2	222	140	203	229	171	e900	712	231	86	161	76	55
3	145	140	646	e200	176	e1400	707	205	92	113	82	52
4	289	140	1060	e170	177	e880	656	189	96	174	111	50
5	475	128	1120	e170	e160	666	1460	180	79	131	98	50
6	585	122	875	200	168	491	2190	172	73	132	78	50
7	439	120	513	208	175	635	2210	166	69	330	68	48
8	243	119	501	227	180	1180	1630	157	68	181	64	53
9	176	117	536	225	e160	1690	997	152	66	141	72	51
10	153	130	1090	211	e150	1140	608	146	63	131	119	74
11	142	123	1130	212	e144	541	447	142	62	104	138	71
12	127	117	1000	208	e138	372	405	138	62	87	103	62
13	195	119	550	199	e132	336	537	134	67	79	81	60
14	405	113	360	198	e126	294	592	132	62	85	69	66
15	426	103	395	352	e120	263	469	141	76	103	62	66
16	412	108	366	658	e114	242	389	157	61	111	59	58
17	335	118	346	602	e110	224	353	146	56	93	57	57
18	265	134	379	e390	e110	213	334	132	54	78	56	87
19	218	129	491	e320	e110	206	317	127	53	71	56	95
20	186	117	440	e250	e110	205	289	129	52	81	55	97
21	170	109	349	e230	e100	206	267	125	51	124	54	96
22	156	111	297	e220	e100	205	243	118	62	186	54	112
23	147	113	255	e200	e100	203	232	118	84	109	53	98
24	145	147	240	e190	e100	198	255	110	149	84	52	129
25	157	240	423	e170	e100	212	292	101	88	74	52	103
26	142	214	605	e170	e100	310	270	94	81	76	51	93
27	135	463	560	e170	e100	410	230	90	93	71	54	78
28	144	507	396	e170	108	348	248	87	126	67	53	70
29	174	442	322	e170	---	336	344	81	93	67	69	65
30	159	271	284	174	---	266	349	77	91	68	66	72
31	185	---	257	175	---	418	---	72	---	82	66	---
TOTAL	7346	5111	16202	7506	3710	15196	18665	4315	2285	3497	2222	2176
MEAN	237	170	523	242	132	490	622	139	76.2	113	71.7	72.5
MAX	585	507	1130	658	180	1690	2210	266	149	330	138	129
MIN	127	103	203	170	100	198	230	72	51	67	51	48
CFSM	1.18	.85	2.61	1.21	.66	2.45	3.11	.70	.38	.56	.36	.36
IN.	1.37	.95	3.01	1.40	.69	2.83	3.47	.80	.43	.65	.41	.40
CAL YR 1986	TOTAL	100809	MEAN	276	MAX	1860	MIN	48	CFSM	1.38	IN.	18.75
WTR YR 1987	TOTAL	88231	MEAN	242	MAX	2210	MIN	48	CFSM	1.21	IN.	16.41

e Estimated

STREAMS TRIBUTARY TO GENESEE RIVER
04230500 OATKA CREEK AT GARBUTT, NY--continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	100	87	429	e180	380	e130	256	463	113	46	41	59
2	238	80	305	e170	440	194	245	366	110	45	40	43
3	217	75	228	e150	360	273	259	244	125	44	41	37
4	189	73	197	e140	212	289	719	203	110	42	40	40
5	134	72	184	e125	e130	223	1100	188	98	41	40	40
6	110	72	173	e110	e150	207	874	180	92	41	43	38
7	103	70	158	e120	e150	203	433	179	87	40	41	41
8	103	69	146	e120	e140	222	349	164	83	39	41	40
9	144	74	170	e120	e130	278	329	149	81	39	40	37
10	121	85	294	e116	e130	436	301	140	81	38	40	36
11	110	109	295	e110	e130	452	274	137	78	38	40	36
12	112	88	212	112	e130	307	252	138	72	37	40	37
13	134	82	193	112	e125	266	233	129	69	36	40	38
14	113	80	191	e102	e115	289	219	123	65	39	38	37
15	100	80	194	e100	e140	228	209	119	62	39	38	37
16	91	76	344	95	234	194	210	118	60	37	37	37
17	85	73	366	96	358	183	195	126	58	57	38	40
18	81	75	256	109	e300	178	188	156	57	46	37	38
19	78	95	216	172	e250	176	185	148	55	43	36	38
20	77	111	292	283	e240	172	181	209	54	44	36	38
21	76	94	602	454	e250	e140	174	382	52	52	37	37
22	76	80	668	441	295	e130	175	392	52	48	34	37
23	85	e76	598	e400	e400	151	170	553	55	56	37	41
24	97	80	331	245	e480	226	209	360	51	82	40	37
25	105	97	271	195	e360	365	274	253	49	198	37	46
26	102	117	297	171	e290	604	216	204	49	95	40	41
27	104	139	280	e130	e210	802	178	182	47	64	36	37
28	90	126	219	e120	e150	888	168	168	47	52	41	36
29	85	148	e170	e115	e140	587	184	148	48	48	48	36
30	84	380	e125	e115	---	379	341	134	46	43	88	36
31	85	---	e145	187	---	298	---	124	---	43	107	---
TOTAL	3429	2963	8549	5215	6819	9470	9100	6579	2106	1612	1332	1171
MEAN	111	98.8	276	168	235	305	303	212	70.2	52.0	43.0	39.0
MAX	238	380	668	454	480	888	1100	553	125	198	107	59
MIN	76	69	125	95	115	130	168	118	46	36	34	36
CFSM	.55	.49	1.38	.84	1.18	1.53	1.52	1.06	.35	.26	.21	.20
IN.	.64	.55	1.59	.97	1.27	1.76	1.69	1.22	.39	.30	.25	.22
CAL YR 1987	TOTAL		74513	MEAN	204	MAX	2210	MIN	48	CFSM	1.02	IN. 13.86
WTR YR 1988	TOTAL		58345	MEAN	159	MAX	1100	MIN	34	CFSM	.80	IN. 10.85

e Estimated

GENESEE RIVER MAIN STEM

04230650 GENESEE RIVER AT BALLANTYNE BRIDGE, NEAR MORTIMER, NY

LOCATION.--Lat 43°05'32", long 77°40'50", Monroe County, Hydrologic Unit 04130003, on right bank 400 ft upstream from Ballantyne Bridge on State Highway 252, 1.6 mi west of Mortimer, and 2.8 mi upstream from Erie (Barge) Canal.

DRAINAGE AREA.--2,210 mi².

PERIOD OF RECORD.--October 1973 to current year.

REVISED RECORD.--WDR NY-82-3: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 500.00 ft above National Geodetic Vertical Datum of 1929.

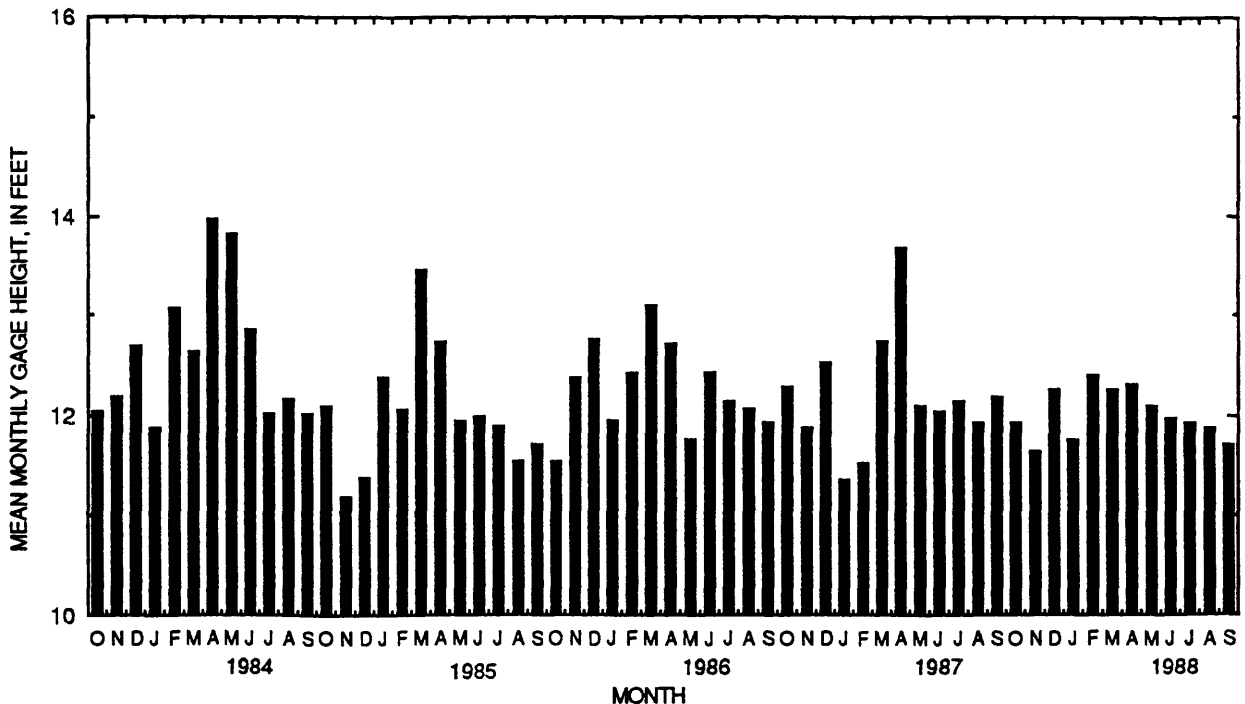
REMARKS.--River regulated for operation of Erie (Barge) Canal, downstream powerplants, and at high stages by Mount Morris Lake. Satellite gage-height telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 19.33 ft, Mar. 5, 1976; minimum recordable, 8.20 ft, Nov. 9, 1979, result of regulation.

EXTREMES FOR WATER YEARS 1984-88.--Annual maximum and minimum gage heights are as follows:

Water year	Date	Maximum gage height (ft)	Date	Minimum gage height (ft)
1984	Feb. 15	16.51	Jan. 24	10.77
1985	Feb. 25	16.35	Nov. 23	8.81
1986	Apr. 18	16.19	Jan. 14	8.95
1987	Apr. 6-7	16.16	Feb. 9	^d 8.21
1988	Feb. 7	15.12	Dec. 30	^d 10.00

d Result of regulation



GENESEE RIVER MAIN STEM

04230650 GENESEE RIVER AT BALLANTYNE BRIDGE, NEAR MORTIMER, NY--continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.89	12.04	12.25	12.49	11.97	12.05	13.21	12.96	14.47	12.16	11.78	11.96
2	11.99	11.96	11.84	12.58	11.87	11.83	13.31	12.54	14.32	12.26	11.83	11.82
3	12.14	12.09	11.87	12.43	11.43	11.76	13.41	12.18	13.90	12.21	11.93	11.95
4	12.06	12.20	12.09	12.41	11.62	12.23	13.18	12.74	13.48	12.18	12.00	12.01
5	12.02	12.10	12.19	12.34	12.09	12.04	14.73	14.26	12.74	12.20	12.07	12.17
6	11.99	12.21	12.09	12.25	12.21	12.39	16.14	13.90	12.29	12.16	12.11	11.99
7	12.07	12.20	12.72	11.82	11.92	12.61	15.00	13.49	12.66	11.98	12.22	11.97
8	12.05	11.95	12.94	11.73	11.43	12.55	14.44	13.72	12.27	11.87	12.20	11.85
9	11.96	12.02	12.22	11.87	11.98	13.05	14.78	13.37	12.17	11.82	12.03	11.87
10	11.93	12.15	11.80	11.85	11.94	11.72	15.07	13.15	12.07	12.38	11.73	11.83
11	12.03	12.14	12.28	11.93	11.90	12.39	14.98	13.02	12.19	12.71	11.64	12.01
12	12.10	12.50	12.69	12.17	12.34	11.99	14.52	13.30	12.10	12.49	12.02	11.97
13	12.14	12.64	13.24	11.88	12.71	11.83	13.93	13.67	12.15	12.28	12.13	12.12
14	12.05	12.30	14.04	11.57	14.19	12.13	13.33	14.48	12.23	11.94	12.72	12.27
15	12.06	12.31	15.08	11.57	16.19	11.76	13.36	15.01	12.28	12.14	13.85	12.66
16	11.93	12.55	14.02	11.67	15.51	11.58	14.02	14.78	12.25	11.92	14.38	12.40
17	12.04	12.61	13.54	11.58	14.34	12.39	14.18	14.40	12.12	12.01	12.99	12.35
18	12.06	12.41	13.59	11.48	13.98	12.44	13.96	14.16	12.18	11.82	12.01	12.13
19	12.08	12.30	13.42	11.59	13.90	12.04	13.88	13.87	13.16	11.98	12.40	11.91
20	12.10	12.32	13.46	11.52	14.11	11.78	13.59	13.56	14.00	11.98	12.63	12.17
21	12.12	12.21	13.29	11.71	14.12	13.81	13.14	13.49	13.99	11.82	11.82	11.97
22	12.08	12.25	12.83	11.66	14.23	15.12	13.10	13.55	13.70	11.73	11.80	11.70
23	12.10	12.24	12.67	12.05	14.68	14.49	13.00	13.73	13.61	11.84	12.20	11.91
24	12.11	12.00	12.83	11.21	14.53	13.29	12.96	14.72	13.58	11.88	11.95	11.94
25	12.16	11.86	12.96	11.70	13.52	12.42	14.32	14.65	13.45	11.81	11.88	11.93
26	12.07	12.00	11.75	11.83	12.69	12.53	14.62	14.09	13.14	11.81	11.87	12.14
27	12.00	11.97	11.25	11.99	12.95	13.57	14.12	13.65	12.74	11.78	11.86	12.10
28	11.95	11.93	11.89	12.11	12.84	13.36	13.84	13.37	12.29	11.81	11.79	11.91
29	12.03	12.42	12.29	11.79	12.47	13.43	13.62	15.27	12.07	12.02	11.96	11.91
30	12.20	12.50	12.52	11.94	---	13.76	13.44	15.49	12.29	12.16	11.92	12.15
31	12.17	---	12.51	11.84	---	13.77	---	14.19	---	11.98	11.92	---
MEAN	12.05	12.21	12.71	11.89	13.09	12.65	13.97	13.83	12.86	12.04	12.18	12.04
MAX	12.20	12.64	15.08	12.58	16.19	15.12	16.14	15.49	14.47	12.71	14.38	12.66
MIN	11.89	11.86	11.25	11.21	11.43	11.58	12.96	12.18	12.07	11.73	11.64	11.70
CAL YR 1983	MEAN	12.21	MAX	15.08	MIN	10.47						
WTR YR 1984	MEAN	12.62	MAX	16.19	MIN	11.21						

GENESEE RIVER MAIN STEM

04230650 GENESEE RIVER AT BALLANTYNE BRIDGE, NEAR MORTIMER, NY--continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.09	12.10	11.69	13.20	12.05	13.17	15.20	12.04	12.13	12.07	11.89	11.78
2	12.08	12.04	10.83	13.60	12.10	14.02	15.51	12.00	11.96	11.98	11.85	11.81
3	12.07	12.09	9.95	12.75	11.95	14.33	14.38	11.89	12.14	11.99	11.66	11.80
4	12.08	12.13	9.57	12.76	11.95	14.28	14.15	11.72	12.02	12.01	11.43	11.83
5	11.90	11.97	9.80	13.17	11.91	13.58	14.32	11.95	11.94	11.94	11.27	11.92
6	12.07	12.11	9.70	13.10	11.97	14.11	14.03	11.98	12.00	11.93	11.08	11.97
7	12.22	11.98	9.94	12.70	11.95	13.87	13.45	11.90	11.90	12.01	11.05	11.99
8	12.19	12.10	11.36	12.75	11.78	13.76	13.34	12.02	11.90	12.02	11.03	12.07
9	12.13	11.94	10.28	12.45	11.47	14.60	12.99	11.57	11.96	12.02	11.06	11.72
10	12.07	11.99	11.07	12.10	11.69	14.10	12.84	11.49	12.00	11.98	11.18	11.39
11	12.10	12.27	11.31	11.90	11.75	13.52	12.50	11.99	11.87	11.95	11.24	11.47
12	12.01	12.40	10.24	11.90	11.96	13.35	12.30	11.79	11.98	11.89	11.25	11.83
13	11.96	12.29	10.99	12.10	12.08	14.27	12.17	12.06	11.95	11.82	11.36	11.98
14	12.13	11.87	11.73	12.10	12.06	14.31	11.90	12.03	11.95	11.83	11.59	11.98
15	12.26	12.11	11.69	12.10	12.15	14.36	12.21	12.01	12.11	11.90	11.71	11.90
16	12.17	12.10	11.47	11.90	12.22	13.95	12.21	12.00	12.11	12.03	11.76	11.78
17	12.13	11.82	11.90	12.26	12.11	13.74	12.06	12.09	12.07	11.95	11.77	11.72
18	12.15	11.84	11.99	12.07	12.24	13.54	12.00	11.97	12.17	11.84	11.77	11.67
19	12.03	11.77	11.89	12.22	11.87	13.23	11.94	12.11	12.03	11.90	11.75	11.69
20	11.90	11.33	11.69	12.20	11.61	13.00	12.24	12.05	12.06	11.96	11.76	11.70
21	12.11	10.65	12.09	12.24	10.23	12.66	12.32	11.90	11.93	11.95	11.75	11.66
22	11.85	9.76	11.73	12.24	9.22	12.43	12.19	12.05	11.92	11.91	11.75	11.52
23	12.09	9.02	12.54	12.32	10.36	11.83	12.12	12.03	11.96	11.80	11.63	11.47
24	12.17	9.40	12.17	12.32	13.77	11.46	11.98	11.91	12.08	11.72	11.58	11.50
25	12.15	9.69	12.04	12.26	16.10	12.17	11.88	11.93	12.00	11.66	11.67	11.50
26	12.10	9.43	11.69	12.14	14.87	12.97	12.06	12.15	12.00	11.80	11.71	11.41
27	12.20	9.21	11.61	12.35	12.80	12.91	12.06	11.97	11.98	11.84	11.74	11.53
28	12.16	9.27	11.80	12.17	12.23	12.99	11.93	11.88	11.93	11.87	11.70	11.55
29	12.07	9.19	11.62	12.09	---	13.46	11.92	12.07	11.87	11.89	11.74	11.52
30	12.37	9.88	13.34	12.24	---	13.79	12.05	11.95	11.95	11.94	11.84	11.54
31	12.17	---	13.50	12.01	---	13.80	---	12.04	---	11.91	11.86	---
MEAN	12.10	11.19	11.39	12.38	12.09	13.47	12.74	11.95	12.00	11.91	11.56	11.71
MAX	12.37	12.40	13.50	13.60	16.10	14.60	15.51	12.15	12.17	12.07	11.89	12.07
MIN	11.85	9.02	9.57	11.90	9.22	11.46	11.88	11.49	11.87	11.66	11.03	11.39
CAL YR 1984	MEAN	12.43	MAX	16.19	MIN	9.02						
WTR YR 1985	MEAN	12.04	MAX	16.10	MIN	9.02						

GENESEE RIVER MAIN STEM

04230650 GENESEE RIVER AT BALLANTYNE BRIDGE, NEAR MORTIMER, NY--continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.59	11.56	13.90	12.13	12.60	12.57	12.18	12.08	12.03	12.00	12.25	11.94
2	11.61	11.44	14.46	12.33	10.96	12.61	12.10	12.03	12.14	12.02	12.32	11.89
3	11.55	11.42	14.46	10.76	9.13	12.70	11.90	12.15	12.06	11.95	12.37	11.92
4	11.53	11.68	13.96	11.83	9.98	12.12	11.97	12.08	11.95	12.03	12.03	11.88
5	11.52	11.98	13.55	12.08	12.39	12.08	11.97	11.91	11.95	12.01	12.21	11.85
6	11.61	12.97	13.14	10.77	13.03	12.36	11.92	12.08	12.05	11.94	12.03	11.72
7	11.65	12.43	13.09	11.76	12.85	12.02	12.25	12.07	12.21	11.87	12.14	11.63
8	11.62	11.97	12.47	11.81	12.96	11.80	12.48	12.02	12.35	11.85	12.13	11.76
9	11.60	11.65	12.50	12.03	12.67	11.96	12.66	12.15	12.56	11.92	12.11	11.87
10	11.55	11.70	12.24	12.28	12.50	11.92	12.41	12.17	12.48	11.94	12.04	11.91
11	11.48	12.24	12.55	11.14	12.24	13.40	12.12	12.16	12.06	11.87	12.24	12.00
12	11.42	12.49	13.34	10.07	11.98	13.93	12.17	11.95	12.48	11.99	12.24	11.78
13	11.46	12.81	13.80	9.21	11.95	13.89	12.50	12.05	13.37	12.10	12.33	11.85
14	11.54	12.92	13.27	9.03	11.78	15.40	12.29	12.10	13.73	12.33	12.80	11.92
15	11.69	12.85	12.64	9.21	12.24	15.82	11.89	12.04	13.64	12.74	12.14	11.90
16	11.60	12.71	12.54	10.46	12.16	15.84	12.11	12.06	13.54	12.62	11.99	12.00
17	11.66	13.22	12.66	10.22	12.17	14.70	14.83	12.07	13.23	12.06	12.14	11.79
18	11.63	12.86	12.68	9.56	11.40	14.20	15.81	11.95	13.39	12.06	12.04	11.84
19	11.65	12.71	13.03	11.02	11.32	14.23	14.11	12.02	12.83	12.11	11.88	11.93
20	11.51	12.53	12.81	13.21	13.68	13.99	13.43	11.73	12.30	12.34	12.07	11.94
21	11.80	12.19	12.30	15.44	14.06	13.52	13.42	11.63	12.20	12.50	11.98	12.10
22	11.57	12.32	12.35	14.23	14.03	12.94	13.57	11.63	12.27	12.66	11.79	12.14
23	11.45	12.71	12.34	13.22	13.57	13.21	13.43	11.35	12.15	12.61	11.86	11.87
24	11.39	12.62	12.23	12.95	13.09	12.96	13.27	11.17	12.09	12.51	12.04	11.96
25	11.57	12.02	11.49	13.66	13.77	12.69	13.10	10.83	12.11	12.10	12.05	12.10
26	11.48	11.18	11.33	14.10	13.58	12.42	12.79	10.98	12.05	11.95	12.02	12.08
27	11.53	12.50	12.21	13.79	13.20	12.08	12.86	10.87	12.07	12.14	11.96	11.92
28	11.48	13.28	11.94	13.17	13.15	12.27	12.61	10.72	12.07	12.11	11.89	12.36
29	11.50	13.31	12.26	13.19	---	12.26	12.06	10.99	11.94	11.98	11.89	12.37
30	11.60	13.36	12.40	13.40	---	12.13	11.70	11.91	12.06	12.11	11.90	12.09
31	11.64	---	12.23	12.72	---	12.21	---	12.20	---	12.13	12.01	---
MEAN	11.56	12.39	12.78	11.96	12.44	13.10	12.73	11.78	12.45	12.15	12.09	11.94
MAX	11.80	13.36	14.46	15.44	14.06	15.84	15.81	12.20	13.73	12.74	12.80	12.37
MIN	11.39	11.18	11.33	9.03	9.13	11.80	11.70	10.72	11.94	11.85	11.79	11.63
CAL YR 1985	MEAN	12.21	MAX	16.10	MIN	9.22						
WTR YR 1986	MEAN	12.28	MAX	15.84	MIN	9.03						

GENESEE RIVER MAIN STEM

04230650 GENESEE RIVER AT BALLANTYNE BRIDGE, NEAR MORTIMER, NY--continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.08	12.37	12.32	11.65	11.85	12.03	13.06	12.87	12.08	12.09	12.09	12.05
2	12.43	12.07	11.72	11.46	11.91	13.28	13.39	12.67	12.02	12.32	11.96	11.94
3	12.06	12.11	12.68	11.39	11.75	13.34	13.78	12.47	12.20	12.36	12.05	11.94
4	12.33	12.31	14.29	11.45	11.44	12.62	13.64	12.16	12.09	12.43	12.17	11.96
5	12.93	11.80	13.85	11.90	11.83	12.51	15.31	12.04	12.10	12.57	12.07	11.79
6	12.99	12.13	13.17	11.77	11.68	13.05	16.09	12.28	12.10	12.57	12.07	11.88
7	12.87	12.16	12.71	11.48	11.42	13.25	15.82	12.18	11.90	12.65	12.04	11.90
8	12.70	12.35	12.95	9.55	8.67	14.19	15.11	12.11	12.05	12.46	11.95	11.79
9	12.47	12.05	12.82	9.76	8.21	14.52	14.79	12.10	12.05	12.29	11.90	11.84
10	12.45	12.09	13.74	9.71	10.23	14.20	14.59	12.07	12.10	12.16	11.88	12.10
11	12.17	12.02	13.66	11.99	12.05	13.54	14.53	12.07	12.06	12.18	12.15	12.11
12	11.99	12.11	13.18	10.26	11.98	13.17	14.75	12.11	12.05	12.02	12.03	12.05
13	12.25	12.01	12.86	11.05	11.88	13.44	14.93	12.04	12.02	12.09	11.95	12.07
14	12.40	12.09	12.64	11.48	12.02	13.06	14.97	11.95	12.28	12.17	11.91	12.74
15	12.32	12.13	12.48	12.24	12.02	12.90	14.64	12.07	12.26	12.17	11.82	12.83
16	12.19	12.15	11.61	12.86	12.03	12.63	14.26	12.05	11.91	12.21	11.82	12.62
17	12.17	12.15	11.83	12.01	11.16	12.39	13.53	12.11	11.99	12.03	11.85	12.06
18	12.07	12.14	12.23	10.64	11.52	12.05	13.07	12.07	11.95	11.93	11.84	11.92
19	12.33	12.15	12.19	10.25	11.92	11.85	13.22	11.96	12.04	12.02	11.82	12.54
20	12.28	11.91	12.28	9.81	11.87	11.98	13.01	11.82	12.09	12.12	11.95	12.75
21	11.95	11.21	12.02	11.83	11.24	12.02	12.78	12.11	12.12	12.06	11.90	12.79
22	12.30	9.80	11.98	12.03	11.87	12.15	12.27	12.01	12.02	12.05	11.78	12.69
23	12.25	9.25	11.42	11.83	11.97	12.24	12.07	12.07	11.79	11.89	11.66	12.46
24	12.41	9.54	11.95	11.52	12.09	11.95	12.04	12.05	11.68	11.81	11.64	12.51
25	12.35	11.84	12.30	12.11	11.90	12.07	12.22	12.02	12.10	11.80	11.81	12.30
26	12.03	11.97	12.60	11.73	12.09	12.01	12.23	12.05	12.12	11.90	11.84	12.15
27	12.11	12.71	12.74	11.97	12.00	12.58	11.81	11.96	12.06	12.09	11.83	12.19
28	11.97	12.88	12.40	11.55	11.89	12.85	12.35	11.90	12.14	12.11	11.93	11.89
29	12.19	12.53	11.94	11.30	---	12.53	12.98	12.02	12.10	12.02	12.20	12.12
30	12.06	12.31	12.27	11.98	---	12.43	13.02	11.99	12.04	12.02	12.04	11.98
31	12.25	---	11.65	11.90	---	12.29	---	12.10	---	12.11	12.05	---
MEAN	12.30	11.88	12.53	11.37	11.52	12.75	13.68	12.11	12.05	12.15	11.94	12.20
MAX	12.99	12.88	14.29	12.86	12.09	14.52	16.09	12.87	12.28	12.65	12.20	12.83
MIN	11.95	9.25	11.42	9.55	8.21	11.85	11.81	11.82	11.68	11.80	11.64	11.79
CAL YR 1986	MEAN	12.28		MAX	15.84	MIN	9.03					
WTR YR 1987	MEAN	12.21		MAX	16.09	MIN	8.21					

GENESEE RIVER MAIN STEM

04230650 GENESEE RIVER AT BALLANTYNE BRIDGE, NEAR MORTIMER, NY--continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.40	12.08	12.80	11.63	11.74	11.82	12.79	12.90	11.87	11.87	12.05	11.95
2	12.17	12.06	12.76	12.06	12.17	11.89	12.48	12.53	11.97	12.04	12.02	11.97
3	11.97	12.10	12.77	11.80	12.13	12.12	12.75	12.06	12.07	12.05	12.06	11.91
4	12.23	11.94	12.51	11.98	12.06	11.98	13.52	12.26	12.06	11.90	12.12	11.93
5	11.92	12.01	12.25	11.78	12.16	11.90	14.00	11.89	12.07	11.77	11.92	11.93
6	11.72	11.89	11.98	11.90	14.06	12.12	13.72	11.42	12.00	11.74	11.90	12.01
7	11.87	12.02	12.16	11.95	14.91	12.00	13.19	11.60	12.02	11.78	11.88	11.95
8	11.86	12.04	11.80	11.87	14.59	11.92	13.19	11.49	12.05	11.85	11.84	11.75
9	11.71	12.07	11.40	11.87	13.72	11.86	13.15	11.63	11.95	11.84	11.87	11.86
10	11.63	12.12	12.54	12.07	12.61	12.22	12.89	11.56	11.94	11.78	11.81	11.85
11	11.88	12.17	12.57	11.72	12.12	12.15	12.94	11.70	11.99	11.76	11.80	11.82
12	11.83	11.91	12.46	11.18	11.86	12.04	12.48	11.77	11.92	11.72	11.77	11.76
13	12.05	11.67	12.19	11.27	12.12	12.09	12.20	11.80	12.04	11.70	11.67	11.77
14	11.75	11.58	12.31	11.30	12.35	12.10	11.84	11.68	11.84	11.70	11.72	11.80
15	11.73	11.67	12.11	11.38	12.04	12.15	12.17	11.64	11.92	11.76	11.80	11.78
16	11.68	11.61	12.20	11.45	12.49	12.33	12.07	11.77	12.02	11.73	11.77	11.73
17	11.83	11.46	12.43	11.72	12.29	12.54	11.55	11.73	12.09	11.96	11.89	11.77
18	11.85	11.39	12.26	11.67	12.09	12.37	10.63	12.08	12.04	12.04	11.90	11.89
19	11.72	11.53	11.72	11.87	12.06	12.44	10.72	11.64	12.01	12.00	11.83	11.76
20	11.82	11.70	12.21	11.62	11.53	12.19	11.81	12.55	12.01	12.13	11.81	11.47
21	12.12	11.50	13.07	12.16	12.30	12.25	11.82	12.87	12.01	12.06	11.74	11.50
22	12.03	11.44	13.01	12.33	11.93	11.75	11.70	13.15	11.95	12.12	11.68	11.46
23	12.10	11.64	12.70	11.99	12.22	11.64	11.58	12.51	11.99	12.12	11.64	11.57
24	11.97	11.52	12.74	11.61	12.39	11.79	11.77	12.71	11.94	12.10	11.91	11.50
25	12.05	11.41	12.55	11.96	12.20	12.18	12.12	12.61	11.93	12.21	11.89	11.52
26	12.17	11.01	12.17	11.80	12.22	12.76	12.35	12.64	11.96	12.15	12.03	11.51
27	11.96	10.65	12.15	12.03	12.08	13.66	11.77	12.67	12.02	12.04	11.99	11.44
28	12.06	10.37	12.20	11.65	11.85	12.94	12.02	12.52	12.06	12.05	12.03	11.46
29	11.97	11.34	11.79	11.80	12.01	12.91	12.07	12.27	11.99	11.89	11.98	11.43
30	12.06	12.03	11.48	11.85	---	13.25	12.66	11.88	11.91	12.00	11.85	11.52
31	12.12	---	10.79	11.76	---	13.09	---	12.00	---	12.09	11.99	---
MEAN	11.94	11.66	12.26	11.78	12.42	12.27	12.33	12.11	11.99	11.93	11.88	11.72
MAX	12.40	12.17	13.07	12.33	14.91	13.66	14.00	13.15	12.09	12.21	12.12	12.01
MIN	11.63	10.37	10.79	11.18	11.53	11.64	10.63	11.42	11.84	11.70	11.64	11.43
CAL YR 1987	MEAN	12.14	MAX	16.09	MIN	8.21						
WTR YR 1988	MEAN	12.02	MAX	14.91	MIN	10.37						

STREAMS TRIBUTARY TO GENESEE RIVER
04231000 BLACK CREEK AT CHURCHVILLE, NY

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

DRAINAGE AREA.--130 mi².

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

REVISED RECORDS.--WDR NY-82-3: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 551.88 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except those for estimated daily discharges, which are fair. Prior to May 1952, small diversion by Penn Central Transportation Co. and slight regulation by pumping operations upstream from station. Telephone gage-height telemeter and satellite gage-height and precipitation telemeter at station. Several measurements of water temperature were made during each year.

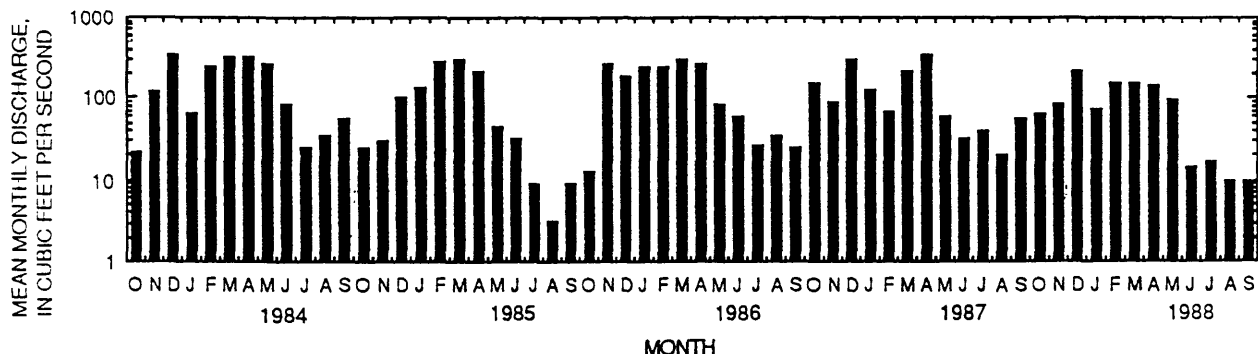
AVERAGE DISCHARGE.--44 years, 114 ft³/s, 11.91 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,880 ft³/s, Mar. 31, 1960, gage height, 9.44 ft; minimum, 0.22 ft³/s, Aug. 19, 1970; minimum gage height, 0.93 ft, Aug. 5-7, Sept. 15, 1959.

EXTREMES FOR WATER YEARS 1984-88.--Peak discharges greater than base discharge of 800 ft³/s and annual maximum (*), and minimum:

Water year	Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Minimum discharge (ft ³ /s)	Gage height (ft)
1984	Dec. 14	0630	1,310	5.75	Mar. 22	2400	*1,760	6.57	Oct. 4	2.7	1.25
	Feb. 15	0600	Ice jam	*6.60	Apr. 6	1730	1,050	5.21			
	Feb. 15	1500	1,730	6.52							
1985	Dec. 31	1400	884	4.81	Apr. 2	0800	892	4.83	Aug. 22, 23	.34	.97
	Feb. 25	1730	*2,690	*8.05							
1986	Jan. 21	2100	*1,420	*6.01	Mar. 15	1900	940	4.96	Oct. 3-4	2.0	1.17
	Mar. 12	1400	1,060	5.25	Apr. 18	0630	1,030	5.17			
1987	Dec. 4	2130	944	4.97	Apr. 7	0030	*1,310	*5.80	Aug. 26	7.7	1.29
1988	Dec. 1	0330	*853	*4.75					July 7	.34	^f .98

^f Due to construction.



STREAMS TRIBUTARY TO GENESEE RIVER
04231000 BLACK CREEK AT CHURCHVILLE, NY--continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.4	24	124	e90	e47	79	364	98	329	38	11	25
2	4.4	18	126	e88	e47	91	409	91	219	33	17	23
3	4.0	21	128	e86	e47	102	405	86	168	31	21	33
4	3.8	27	130	e84	e48	e110	370	134	142	28	18	43
5	7.4	48	139	e84	e52	e120	543	142	124	30	17	37
6	15	67	238	e82	e58	e140	971	142	106	37	17	29
7	15	69	418	e82	e52	e150	761	248	95	42	22	25
8	12	56	638	e80	e46	e200	457	286	81	38	23	21
9	9.4	47	629	e80	e48	e180	350	393	69	31	20	19
10	20	43	377	e80	e52	e160	276	395	57	30	17	18
11	19	105	262	e76	e54	e140	232	259	50	35	16	45
12	16	202	370	e74	e80	e120	207	214	46	34	21	99
13	25	246	818	e72	e150	117	185	225	44	30	25	116
14	43	203	1240	e70	e350	113	168	285	45	25	41	131
15	49	131	1050	e68	e1300	131	182	339	47	21	59	196
16	36	205	821	e64	1190	152	219	348	47	19	78	204
17	25	265	564	e62	638	220	284	254	45	18	79	165
18	25	303	387	e60	454	284	329	208	57	25	82	89
19	22	236	275	e56	393	382	270	180	78	26	86	53
20	20	160	231	e54	350	425	230	165	83	21	52	33
21	13	143	196	e50	296	644	199	159	61	19	37	24
22	18	133	154	e47	247	1300	165	160	47	18	32	21
23	23	112	e140	e45	223	1430	149	229	41	17	40	20
24	30	97	e130	e44	213	775	210	362	47	15	45	20
25	32	87	e130	e46	199	527	309	431	87	13	40	21
26	31	77	e120	e49	170	440	458	307	100	12	31	23
27	34	71	e120	e54	149	387	350	200	76	14	25	27
28	34	72	e110	e52	96	330	219	173	57	14	21	27
29	23	96	e110	e48	64	306	152	360	47	14	24	24
30	21	128	e100	e47	---	302	120	557	42	13	26	21
31	26	---	e96	e47	---	316	---	559	---	12	28	---
TOTAL	660.4	3492	10371	2021	7113	10173	9543	7989	2537	753	1071	1632
MEAN	21.3	116	335	65.2	245	328	318	258	84.6	24.3	34.5	54.4
MAX	49	303	1240	90	1300	1430	971	559	329	42	86	204
MIN	3.8	18	96	44	46	79	120	86	41	12	11	18
CFSM	.16	.90	2.57	.50	1.89	2.52	2.45	1.98	.65	.19	.27	.42
IN.	.19	1.00	2.97	.58	2.04	2.91	2.73	2.29	.73	.22	.31	.47
CAL YR 1983	TOTAL	38780.2	MEAN	106	MAX	1240	MIN	2.3	CFSM	.82	IN.	11.10
WTR YR 1984	TOTAL	57355.4	MEAN	157	MAX	1430	MIN	3.8	CFSM	1.21	IN.	16.41

e Estimated

STREAMS TRIBUTARY TO GENESEE RIVER
04231000 BLACK CREEK AT CHURCHVILLE, NY--continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	24	33	671	e41	397	595	69	62	13	3.3	7.8
2	23	26	29	611	e41	317	828	64	77	12	4.4	7.0
3	24	30	31	667	e40	288	494	60	57	11	3.6	6.5
4	21	31	40	372	e40	209	375	56	33	9.4	2.8	5.5
5	20	39	34	229	e39	179	398	55	23	8.1	2.4	5.4
6	18	42	32	160	e39	269	386	67	19	9.9	2.5	7.4
7	18	34	30	134	e39	397	327	96	16	11	2.8	7.5
8	18	29	31	98	e39	467	240	99	14	11	2.7	8.9
9	19	27	32	e92	e38	694	195	77	12	10	2.8	17
10	20	32	37	e86	e38	641	172	60	10	9.6	2.4	33
11	20	47	52	e80	e39	424	157	52	8.5	10	2.0	37
12	19	54	68	e74	e40	392	147	46	37	14	1.3	23
13	20	50	81	e68	e42	541	136	44	76	13	1.2	15
14	21	42	91	e64	e45	603	128	38	67	12	1.2	10
15	23	37	91	e60	e50	436	123	35	46	12	1.3	7.9
16	28	34	83	e58	e54	348	117	34	38	12	1.3	6.5
17	40	31	77	e56	e56	279	105	33	60	14	1.1	5.3
18	38	29	66	e52	e54	239	99	35	71	14	.92	4.9
19	31	28	58	e50	e50	205	108	38	60	11	1.8	4.2
20	28	26	54	e48	e45	188	159	37	38	9.0	1.5	3.9
21	27	24	51	e46	e50	174	221	34	29	8.6	1.0	3.6
22	26	20	89	e45	e70	155	174	33	23	8.8	.64	3.9
23	27	21	130	e44	318	143	127	31	20	6.1	.60	4.6
24	27	22	127	e42	1040	145	105	30	17	4.7	.62	5.6
25	30	22	93	e42	2480	155	94	26	13	4.3	2.4	3.9
26	26	23	69	e42	1670	161	88	24	11	4.8	5.1	4.2
27	26	22	62	e43	791	144	82	28	9.9	5.9	8.2	9.8
28	27	26	76	e44	466	159	77	36	9.9	4.4	8.2	7.3
29	27	32	208	e44	---	234	75	43	13	3.0	10	5.9
30	26	32	461	e43	---	278	73	38	14	2.3	11	4.9
31	24	---	830	e42	---	285	---	43	---	2.6	6.4	---
TOTAL	763	936	3246	4207	7754	9546	6405	1461	984.3	281.5	97.48	277.4
MEAN	24.6	31.2	105	136	277	308	213	47.1	32.8	9.08	3.14	9.25
MAX	40	54	830	671	2480	694	828	99	77	14	11	37
MIN	18	20	29	42	38	143	73	24	8.5	2.3	.60	3.6
CFSM	.19	.24	.81	1.04	2.13	2.37	1.64	.36	.25	.07	.02	.07
IN.	.22	.27	.93	1.20	2.22	2.73	1.83	.42	.28	.08	.03	.08
CAL YR 1984	TOTAL	47777	MEAN	131	MAX	1430	MIN	11	CFSM	1.00	IN.	13.67
WTR YR 1985	TOTAL	35958.68	MEAN	98.5	MAX	2480	MIN	.60	CFSM	.76	IN.	10.29

e Estimated

STREAMS TRIBUTARY TO GENESEE RIVER
04231000 BLACK CREEK AT CHURCHVILLE, NY--continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.1	11	327	84	97	e120	102	107	38	26	33	8.4
2	3.1	9.9	389	84	98	e100	96	104	79	43	45	7.9
3	2.5	11	435	85	110	e100	90	97	123	53	59	7.8
4	2.5	35	371	87	136	114	88	91	107	37	47	8.1
5	6.1	124	266	89	238	134	101	88	70	28	29	12
6	6.0	280	202	e88	386	142	230	86	86	22	21	9.8
7	7.0	544	181	e86	443	133	282	87	105	19	60	8.1
8	6.1	485	168	e82	270	123	247	89	111	21	117	7.0
9	6.1	278	159	e78	e180	108	231	88	126	25	61	6.8
10	6.4	195	158	74	e170	167	202	86	115	21	44	9.2
11	6.0	245	180	73	e150	596	189	84	71	17	65	15
12	7.5	339	235	79	e130	1030	181	81	65	21	71	15
13	9.8	357	288	88	e110	800	165	74	70	28	73	15
14	12	332	272	111	e100	732	141	67	65	34	38	15
15	14	417	198	125	e100	906	135	67	55	37	29	18
16	13	412	176	87	e94	825	257	74	50	29	27	28
17	12	419	161	86	e94	559	697	73	46	23	29	30
18	11	473	151	153	e96	393	965	66	40	23	25	23
19	18	e380	151	344	e140	339	570	65	38	27	21	15
20	27	e280	116	849	305	343	343	113	36	33	18	15
21	23	e180	117	1230	696	298	412	159	33	37	20	16
22	19	152	121	1150	731	206	483	158	31	34	21	17
23	16	155	108	622	604	190	366	134	40	29	20	25
24	19	191	109	368	397	178	245	121	45	21	18	40
25	25	216	115	251	274	163	192	100	37	17	15	36
26	27	202	132	219	e210	151	162	75	30	15	13	30
27	21	249	87	181	e150	143	144	60	28	15	14	37
28	16	369	96	146	e130	134	131	50	29	15	12	31
29	13	414	84	127	---	125	120	44	28	15	10	75
30	13	335	80	111	---	118	110	40	28	18	9.4	150
31	12	---	82	106	---	109	---	34	---	28	8.8	---
TOTAL	384.2	8089.9	5715	7343	6639	9579	7677	2662	1825	811	1073.2	731.1
MEAN	12.4	270	184	237	237	309	256	85.9	60.8	26.2	34.6	24.4
MAX	27	544	435	1230	731	1030	965	159	126	53	117	150
MIN	2.5	9.9	80	73	94	100	88	34	28	15	8.8	6.8
CFSM	.10	2.07	1.42	1.82	1.82	2.38	1.97	.66	.47	.20	.27	.19
IN.	.11	2.31	1.64	2.10	1.90	2.74	2.20	.76	.52	.23	.31	.21
CAL YR 1985	TOTAL	45202.78	MEAN	124	MAX	2480	MIN	.60	CFSM	.95	IN.	12.93
WTR YR 1986	TOTAL	52529.4	MEAN	144	MAX	1230	MIN	2.5	CFSM	1.11	IN.	15.03

e Estimated

STREAMS TRIBUTARY TO GENESEE RIVER
04231000 BLACK CREEK AT CHURCHVILLE, NY--continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	204	52	128	124	85	152	443	135	28	36	18	16
2	212	54	176	e110	89	458	545	107	48	34	20	15
3	173	64	525	e100	95	621	521	87	62	34	22	13
4	206	65	868	e70	104	565	511	80	67	32	26	11
5	315	59	820	e90	e96	389	665	78	52	26	23	10
6	377	54	498	e90	e96	271	1170	77	37	78	19	9.7
7	307	49	306	103	e94	324	1270	72	33	179	17	9.1
8	203	46	272	125	e94	481	977	69	35	145	14	15
9	137	47	315	131	e90	549	550	64	34	76	28	26
10	106	43	465	118	e88	349	360	57	30	45	64	30
11	91	44	607	115	e78	179	261	56	26	33	75	23
12	79	52	598	117	e70	145	226	52	26	25	46	20
13	154	58	319	112	e60	135	282	49	28	20	27	35
14	266	52	204	116	e56	117	307	47	30	29	19	40
15	321	46	182	220	e52	109	259	59	24	46	15	26
16	252	50	170	384	e48	101	198	66	20	41	12	21
17	179	61	161	e340	e44	94	169	54	18	30	10	24
18	131	66	181	e190	e44	90	152	45	16	23	9.2	77
19	106	61	225	e130	e45	89	138	45	15	17	12	167
20	89	51	256	e100	e46	87	124	48	14	27	19	291
21	84	47	205	e110	e48	87	116	48	13	39	15	184
22	77	47	153	e100	e50	87	108	47	21	31	12	140
23	73	52	124	e92	53	86	103	63	41	22	9.5	135
24	69	81	117	e84	56	84	125	59	52	16	8.8	88
25	56	104	223	e78	55	87	133	48	37	14	9.2	57
26	51	138	359	e78	52	124	118	44	29	18	8.1	41
27	53	243	387	e78	51	153	98	42	35	23	11	34
28	61	356	258	e80	52	138	133	45	47	19	14	32
29	66	324	190	e80	---	115	178	39	35	15	22	30
30	66	189	156	83	---	110	174	44	35	15	23	36
31	58	---	136	84	---	260	---	37	---	14	19	---
TOTAL	4622	2655	9584	3832	1891	6636	10414	1863	988	1202	646.8	1655.8
MEAN	149	88.5	309	124	67.5	214	347	60.1	32.9	38.8	20.9	55.2
MAX	377	356	868	384	104	621	1270	135	67	179	75	291
MIN	51	43	117	70	44	84	98	37	13	14	8.1	9.1
CFSM	1.15	.68	2.38	.95	.52	1.65	2.67	.46	.25	.30	.16	.42
IN.	1.32	.76	2.74	1.10	.54	1.90	2.98	.53	.28	.34	.19	.47
CAL YR 1986	TOTAL	55201.3	MEAN	151	MAX	1230	MIN	6.8	CFSM	1.16	IN.	15.80
WTR YR 1987	TOTAL	45989.6	MEAN	126	MAX	1270	MIN	8.1	CFSM	.97	IN.	13.16

e Estimated

STREAMS TRIBUTARY TO GENESEE RIVER
04231000 BLACK CREEK AT CHURCHVILLE, NY--continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	93	37	785	e90	201	e110	115	191	30	5.6	13	19	
2	146	35	473	e80	219	99	103	150	29	4.9	13	14	
3	150	35	273	e70	171	136	128	98	29	4.6	13	11	
4	107	36	200	e62	116	143	417	84	28	4.0	11	12	
5	77	35	171	e56	101	110	592	76	24	3.8	8.9	14	
6	59	33	151	e52	e92	107	410	76	21	3.3	9.2	13	
7	65	33	127	e48	e80	114	232	73	20	2.4	10	11	
8	95	34	112	e45	e74	120	180	67	20	1.8	8.7	9.8	
9	100	47	123	e42	e72	147	155	62	20	1.6	7.3	9.1	
10	76	62	155	e39	e68	186	132	62	19	1.5	6.2	7.6	
11	69	56	171	e36	e64	185	114	59	18	1.5	5.1	6.1	
12	83	48	142	e35	e62	137	102	55	17	1.4	4.5	6.0	
13	81	43	124	e34	e60	117	95	52	15	1.5	3.9	8.4	
14	65	39	117	e33	e66	109	90	52	14	3.9	3.9	7.2	
15	53	36	132	e32	72	98	86	49	13	6.2	3.9	5.9	
16	46	35	227	e35	102	88	84	53	10	9.5	3.1	5.2	
17	42	38	338	41	146	85	83	60	9.5	31	4.1	11	
18	40	50	260	59	190	81	80	66	9.3	65	3.9	11	
19	37	66	167	83	209	79	79	73	8.9	53	4.7	9.6	
20	37	68	231	132	e190	79	76	122	7.9	29	4.0	11	
21	37	69	421	210	e170	72	76	300	5.8	29	3.1	7.9	
22	42	51	524	204	e220	62	77	404	7.3	34	2.7	7.3	
23	53	48	325	160	e280	79	75	224	12	30	5.9	11	
24	54	53	204	100	e380	111	79	121	9.0	31	14	8.7	
25	51	71	166	87	e300	163	81	84	9.1	40	14	8.6	
26	53	128	150	79	e200	359	74	70	7.9	34	12	8.0	
27	48	198	133	e70	e150	514	73	60	7.1	24	11	10	
28	45	174	e100	e64	e130	408	72	48	6.8	20	13	14	
29	43	256	e80	e60	e120	249	81	40	6.2	18	28	6.8	
30	43	559	e60	63	---	179	146	36	5.6	15	34	11	
31	40	---	e70	120	---	140	---	33	---	14	27	---	
TOTAL	2030	2473	6712	2321	4305	4666	4187	3000	439.4	524.5	306.1	295.2	
MEAN	65.5	82.4	217	74.9	148	151	140	96.8	14.6	16.9	9.87	9.84	
MAX	150	559	785	210	380	514	592	404	30	65	34	19	
MIN	37	33	60	32	60	62	72	33	5.6	1.4	2.7	5.2	
CFM	.50	.63	1.67	.58	1.14	1.16	1.07	.74	.11	.13	.08	.08	
IN.	.58	.71	1.92	.66	1.23	1.34	1.20	.86	.13	.15	.09	.08	
CAL YR	1987	TOTAL	40343.6	MEAN	111	MAX	1270	MIN	8.1	CFM	.85	IN.	11.54
WTR YR	1988	TOTAL	31259.2	MEAN	85.4	MAX	785	MIN	1.4	CFM	.66	IN.	8.94

e Estimated

GENESEE RIVER MAIN STEM

04232000 GENESEE RIVER AT ROCHESTER, NY

LOCATION.--Lat 43°10'50", long 77°37'40", Monroe County, Hydrologic Unit 04130003, on right bank 40 ft downstream from Rochester Gas and Electric Corp. plant 5, 100 ft upstream from bridge on Driving Park Avenue in Rochester, and 6.4 mi upstream from mouth.

DRAINAGE AREA.--2,467 mi².

PERIOD OF RECORD.--April 1904 to September 1918, December 1919 to current year. Published as "at Driving Park Avenue," 1919-68.

REVISED RECORDS.--WSP 1912; WDR NY-82-3: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 246.24 ft above National Geodetic Vertical Datum of 1929 (247.00 ft, Barge Canal datum). April 1904 to December 1910, nonrecording gage and December 1910 to September 1918, water-stage recorder at site 5 mi upstream at datum 506.85 ft, Barge Canal datum. December 1919 to Apr. 4, 1927, water-stage recorder in plant 5, and Apr. 4, 1927 to June 19, 1956, at present site at datum 3.00 ft higher.

REMARKS.--Records rated fair to poor. Extensive diurnal fluctuation caused by powerplants upstream from station. New York State Erie (Barge) Canal crosses river 5.4 mi upstream from station. Water diverted by the canal from Lake Erie is discharged into river from the west, the canal again diverting a smaller amount of water from river to the east. Additional regulation is provided by Rushford Lake, Mount Morris Lake, and Conesus Lake.

AVERAGE DISCHARGE.--82 years (water years 1905-18, 1921-89), 2,794 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 48,300 ft³/s, Mar. 30, 1916, gage height, 15.3 ft, site and datum then in use; maximum at present site, 34,400 ft³/s, Mar. 19, 1942; maximum gage height, 17.08 ft, Apr. 2, 1940, present datum; minimum discharge, less than 10 ft³/s, occurred during low-water periods in some years when power plant was shut down; minimum daily, 91 ft³/s, Jan. 9, 29, Feb. 1, 8, 1961.

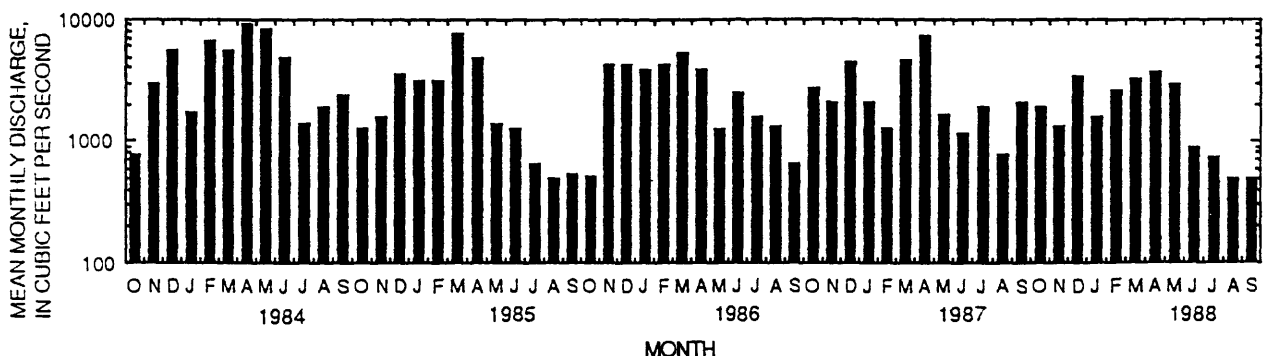
EXTREMES OUTSIDE PERIOD OF RECORD.--Discharge on Mar. 18, 1865, was about 54,000 ft³/s.

EXTREMES FOR WATER YEARS 1984-88.--Annual maximum and minimum discharges are as follows:

Water year	Date	Time	Maximum discharge (ft ³ /s)	Gage height (ft)	Date	Minimum discharge (ft ³ /s)	Gage height (ft)
1984	Apr. 25	1930	^d 28,200	^d 15.55	Oct. 25	^d 232	^d 1.45
1985	Feb. 25	1115	^d 19,400	^d 13.00	Aug. 24	^b 446	--
1986	Feb. 21	0345	^d 18,200	^d 14.63	Oct. 2	^b 253	--
1987	Apr. 5	0900	^d 16,300	^d 13.98	Aug. 26	^b 488	--
1988	Apr. 4	1900	^d 18,000	^d 14.58	Aug. 22, 23	^b 396	--

b Minimum daily value

d Result of regulation



GENESEE RIVER MAIN STEM

04232000 GENESEE RIVER AT ROCHESTER, NY--continued

RECORD QUALITY.--Fair.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	842	956	3760	2790	1380	3210	e7410	5210	10300	1810	538	4570
2	644	845	2610	2910	1320	2700	e7550	4400	10300	2100	404	5030
3	740	871	1820	2950	1350	2680	e7720	3080	8810	2080	386	5030
4	862	1010	2680	2980	1200	2730	e7570	4930	7740	1950	393	4690
5	898	1370	3730	3040	1820	3090	e13000	9510	6670	1890	414	3140
6	822	1440	3920	3050	2190	3600	e14700	9200	5040	1810	432	1990
7	728	1870	5630	2790	2090	4200	e12300	7850	4130	1640	495	1410
8	755	1770	6900	1750	1610	3730	e11500	8190	3140	1420	694	1480
9	780	1140	4490	1510	1380	3380	e12100	7730	2630	1350	970	1340
10	593	1530	3620	1450	1460	2190	e12600	6320	2210	2380	750	1380
11	554	3100	4090	1330	1910	2200	e12300	5640	2060	4650	596	1720
12	582	4630	5370	1310	3190	2190	e11400	6320	1580	4790	550	1560
13	853	4940	7490	1350	5310	1900	e10300	7680	1470	3260	1760	1600
14	990	4550	12200	1260	11100	2040	e9110	10500	1480	1820	4110	1900
15	869	3840	13400	1280	15600	2150	e8470	12100	1860	908	8060	4530
16	746	4510	11300	1240	13900	3050	e8870	11600	e2170	1060	9730	4020
17	590	5170	10400	1290	11600	6630	e9220	10600	e1860	759	6290	3000
18	579	4820	10500	1210	11100	6850	e8760	9450	e2030	740	2220	2410
19	579	4020	9660	1280	11000	6380	e8480	8410	e6140	584	2670	1950
20	578	3690	9000	1260	11300	6040	e7940	7650	e8750	689	4300	1820
21	640	3730	8180	1240	11300	e10500	6870	7440	e8690	708	1920	1520
22	707	3350	7440	1060	11500	e13200	5660	7530	e7920	542	1170	1410
23	873	3510	6040	1140	12200	e12100	5280	8320	e7280	499	1460	1850
24	939	3110	5230	1540	11900	e9470	5120	10900	e7140	472	1580	2030
25	976	2960	3170	1140	10100	e7940	9960	10900	e6840	446	1350	1960
26	949	2420	2030	1540	8060	e6900	11800	9110	e5600	373	1120	2200
27	1000	2170	1510	1620	6680	e8030	9570	7810	e4140	390	816	2080
28	891	2450	1660	1550	6020	e7700	8700	6850	e2600	376	822	1660
29	740	3820	2110	1530	4210	e7430	7240	12700	e1970	428	659	1420
30	910	5210	2520	1590	---	e8490	6250	13600	1750	622	765	2010
31	991	---	2760	1300	---	e8310	---	9790	---	588	777	---
TOTAL	24200	88802	175220	53280	193780	171010	277750	261320	144300	43134	58201	72710
MEAN	781	2960	5652	1719	6682	5516	9258	8430	4810	1391	1877	2424
MAX	1000	5210	13400	3050	15600	13200	14700	13600	10300	4790	9730	5030
MIN	554	845	1510	1060	1200	1900	5120	3080	1470	373	386	1340
CAL YR 1983	TOTAL	1012364	MEAN	2774	MAX	13400	MIN	554				
WTR YR 1984	TOTAL	1563707	MEAN	4272	MAX	15600	MIN	373				

e Estimated

GENESEE RIVER MAIN STEM

04232000 GENESEE RIVER AT ROCHESTER, NY--continued

RECORD QUALITY.--Poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e1610	e1580	e2420	7640	1380	6610	12800	e1710	e1720	e802	e554	e519
2	e1670	e1320	e2340	8300	1330	9050	13000	e1620	e1760	e768	e538	e504
3	e1750	e1220	e2600	6720	1430	10100	10900	e1570	e1590	e750	e530	e495
4	e1570	e1190	e2500	5950	1420	9830	9300	e1490	e1220	e715	e532	e486
5	e1120	e1190	e2870	5720	1150	8260	9460	e1460	e1080	e683	e518	e511
6	e1080	e1530	e2690	5420	1260	9040	8910	e1570	e1040	e695	e502	e513
7	e1430	e1790	e2460	5250	1190	8650	7530	e2200	e959	e707	e499	e488
8	e1420	e1520	e2180	4800	1340	8740	6130	e2260	e902	e706	e498	e507
9	e1410	e1350	e2010	3910	1190	11400	5310	e1850	e858	e693	e497	e634
10	e1370	e1500	e2050	2850	1180	10300	4460	e1590	e826	e697	e488	e1030
11	e1300	e2350	e2350	2720	1280	8990	3660	e1460	e793	e718	e484	e963
12	e1090	e2820	e3680	2120	1250	8670	3520	e1400	e1130	e715	e480	e761
13	e1010	e2670	e4490	2140	1420	10400	3460	e1480	e2040	e666	e478	e639
14	e1040	e2050	e5550	2550	1460	10400	3220	e1430	e2220	e651	e471	e574
15	e1070	e1790	e5480	2700	1820	10200	2920	e1310	e1760	e656	e475	e536
16	e1070	e1650	e4930	2010	1770	9250	2850	e1240	e1450	e671	e478	e519
17	e1100	e1600	e3890	1580	1690	8190	2750	e1210	e1690	e672	e491	e505
18	e1110	e1570	e3300	2240	1700	7400	2560	e1240	e2050	e721	e497	e495
19	e990	e1480	e2910	2010	1740	6540	2700	e1280	e1770	e699	e505	e489
20	e903	e1410	e2830	1780	1730	5430	3350	e1370	e1380	e642	e494	e493
21	e913	e1330	e3140	1510	1930	4840	3710	e1330	e1230	e610	e473	e481
22	e948	e1180	e3630	1580	2060	4580	3790	e1290	e1140	e596	e462	e466
23	e934	e1150	e5420	1610	4410	4140	e2940	e1250	e1050	e574	e450	e464
24	e960	e1170	e5020	1650	10900	3930	e2580	e1140	e964	e547	e446	e467
25	e1020	e1450	e3530	1720	15000	4600	e2350	e1020	e897	e542	e461	e462
26	e1020	e1530	e2620	1760	12000	5180	e2220	e970	e875	e567	e467	e462
27	e1070	e1280	e2290	1660	8080	4880	e2110	e956	e833	e585	e485	e498
28	e1250	e1170	e2600	1970	6000	5180	e2000	e1030	e784	e579	e478	e504
29	e1370	e1280	e4920	1720	---	6470	e1910	e1200	e794	e566	e553	e516
30	e2310	e2320	7600	1740	---	7390	e1830	e1260	e832	e549	e561	e502
31	e2030	---	8070	1560	---	8610	---	e1260	---	e554	e543	---
TOTAL	38938	47440	112370	96890	89110	237250	144230	43446	37637	20296	15388	16483
MEAN	1256	1581	3625	3125	3182	7653	4808	1401	1255	655	496	549
MAX	2310	2820	8070	8300	15000	11400	13000	2260	2220	802	561	1030
MIN	903	1150	2010	1510	1150	3930	1830	956	784	542	446	462
CAL YR 1984	TOTAL	1474233	MEAN	4028	MAX	15600	MIN	373				
WTR YR 1985	TOTAL	899478	MEAN	2464	MAX	15000	MIN	446				

e Estimated

GENESEE RIVER MAIN STEM

04232000 GENESEE RIVER AT ROCHESTER, NY--continued

RECORD QUALITY.--Fair except those for estimated daily discharges and Dec. 21 to Jan. 17, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	304	e510	8200	1840	4500	4970	2040	1040	889	773	2140	409
2	253	e500	8880	2040	3870	4470	1640	1480	905	826	2570	323
3	270	e490	8840	2160	2240	4320	1710	1020	1330	762	2820	340
4	304	e580	8170	1440	1920	3890	1580	846	862	585	2080	340
5	300	e1900	7700	1990	3650	2150	1470	820	810	677	1840	e340
6	267	e6000	7050	2080	4930	2190	2240	944	380	703	1120	e330
7	282	e4700	6580	1260	4290	2290	2740	1020	1470	561	996	e320
8	e320	e3000	5000	1800	4500	1500	3020	1150	2480	657	1520	e300
9	e300	e2200	4700	1370	4580	1700	3150	894	3630	585	1330	e300
10	e280	e2200	3960	1660	4130	2670	3260	996	3810	652	1300	384
11	e290	e3500	4710	2090	3290	6170	2920	878	1690	677	1990	344
12	e330	e4600	5690	1840	1940	7010	2750	889	3330	552	2500	307
13	e310	e5600	6440	1770	1930	7420	2850	724	5640	1020	1880	323
14	e320	e5500	5940	1630	1570	10900	2770	618	6700	2910	4810	354
15	e460	5510	5020	1350	1750	11400	2890	826	6440	4590	2160	362
16	642	5220	4160	1330	1780	11300	3910	708	6120	4380	815	362
17	687	6260	3950	1850	1760	9390	10200	751	5340	1690	1630	333
18	712	5900	3360	1600	2210	8630	11400	740	5230	698	1440	330
19	775	5380	2220	2580	3560	8710	8420	703	4210	884	927	300
20	713	5220	2370	7100	7310	8260	6350	1380	2420	1800	623	402
21	925	4550	1950	11200	8830	7410	5920	2840	1460	2830	692	538
22	1060	4030	1900	9070	8540	6140	5960	3840	1610	4320	698	1220
23	818	4370	1850	7170	7680	5400	5510	3440	1400	4400	372	1480
24	700	4560	2450	6850	6000	4920	4930	3150	1280	4120	590	571
25	662	5110	2290	7220	6320	4450	4450	2310	905	2480	507	1050
26	817	5040	1520	7580	6010	3780	4220	1550	1000	1000	561	662
27	800	6400	1650	7270	5620	2950	3960	1590	662	1060	502	576
28	833	7100	1860	6770	5200	2750	3290	1160	692	1210	409	1590
29	e660	7270	1710	5450	---	2640	1980	795	667	762	354	2750
30	e600	7470	1860	6380	---	2450	900	511	795	955	297	2660
31	e540	---	1900	5040	---	2000	---	413	---	1450	307	---
TOTAL	16534	130670	133880	120780	119910	164230	118430	40026	74157	50569	41780	19900
MEAN	533	4356	4319	3896	4282	5298	3948	1291	2472	1631	1348	663
MAX	1060	7470	8880	11200	8830	11400	11400	3840	6700	4590	4810	2750
MIN	253	490	1520	1260	1570	1500	900	413	380	552	297	300
CAL YR 1985	TOTAL	981814	MEAN	2690	MAX	15000	MIN	253				
WTR YR 1986	TOTAL	1030866	MEAN	2824	MAX	11400	MIN	253				

e Estimated

GENESEE RIVER MAIN STEM

04232000 GENESEE RIVER AT ROCHESTER, NY--continued

RECORD QUALITY.--Fair except those for periods of estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2220	2520	3590	2270	e1690	1530	6110	4100	872	1210	820	e850
2	3140	2310	3510	2240	e1750	5480	7390	4380	1130	2410	e814	e744
3	2480	1410	5530	e1630	e1860	6550	7630	3710	1350	2860	e856	e685
4	2850	2110	8630	e1560	e1870	5240	7410	3040	1850	4190	e1150	e679
5	5080	1700	8080	e1590	e1740	4690	11800	2560	1420	3510	870	e646
6	5350	1390	6760	1540	e1650	5810	13100	2700	1430	4030	e743	e600
7	4880	1370	5610	e1660	e1550	6450	12400	2360	1190	5090	e687	e565
8	4430	2000	5570	1890	e1550	8400	11100	2000	1070	4420	e646	e580
9	4030	1850	5700	e1850	e1490	9690	10400	e1650	954	3000	e670	e642
10	3250	1480	7180	e1820	e1430	9300	9990	e1550	e916	2370	e923	e956
11	2720	1640	7310	e1820	e1370	8070	9920	e1470	829	2320	e1250	e890
12	1530	1460	6250	e1760	e1340	7190	10300	e1390	e804	1600	976	e783
13	2070	1500	5940	e1700	e1280	6670	10700	e1340	e801	1660	e770	e1860
14	2920	1510	5320	e1650	e1230	5770	10500	1310	1530	e1290	e679	e4570
15	3230	1420	4180	2690	e1160	4900	9860	e1330	2600	e1370	e624	e5100
16	2810	1170	3240	4560	e1030	3960	9250	e1420	e1270	e1530	e593	e4420
17	2470	1370	2330	4260	e958	3140	8000	e1440	e953	1350	e570	2920
18	2200	1520	2650	3320	e958	2490	6730	1250	e801	1080	e550	2100
19	2090	e1550	3040	2770	e977	e2140	5810	e1200	e717	e904	e576	e3690
20	2500	e1500	3060	2120	e976	e2080	4700	e1130	e668	1010	e576	4180
21	2220	e1450	2760	e2160	e966	e2060	4140	e1110	e628	e1030	e558	4160
22	2110	e1540	2580	1960	e966	e2090	3050	e1060	e713	e1060	e524	4280
23	2560	e1670	2370	e1990	e969	2080	1920	e1210	e1150	e813	e518	4130
24	e2640	1780	2110	e1670	e992	2060	2370	e1180	2180	e713	e509	3100
25	2380	2390	2860	e1540	e989	2210	3210	1030	1550	e668	e499	3010
26	1460	3450	3700	e1590	e1000	2820	3990	e925	1370	e697	e488	1740
27	1490	4930	4150	e1690	e981	3740	3170	e889	1060	e1660	e507	1390
28	1670	5080	4080	e1690	e1010	4320	2690	e877	1320	1880	e979	1340
29	1680	4610	3840	e1680	---	3960	4180	e870	1220	e962	1630	1380
30	1910	4070	3160	e1740	---	3610	4010	e834	1220	e827	1700	1390
31	1740	---	3000	e1740	---	3410	---	867	---	e907	e1080	---
TOTAL	84110	63750	138090	64150	35732	141910	215830	52182	35566	58421	24335	63380
MEAN	2713	2125	4455	2069	1276	4578	7194	1683	1186	1885	785	2113
MAX	5350	5080	8630	4560	1870	9690	13100	4380	2600	5090	1700	5100
MIN	1460	1170	2110	1540	958	1530	1920	834	628	668	488	565
CAL YR 1986	TOTAL	1035732	MEAN	2838	MAX	11400	MIN	297				
WTR YR 1987	TOTAL	977456	MEAN	2678	MAX	13100	MIN	488				

e Estimated

GENESEE RIVER MAIN STEM

04232000 GENESEE RIVER AT ROCHESTER, NY--continued

RECORD QUALITY.--Fair except those for periods of estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2400	1200	5000	1570	2400	2100	5840	4560	1660	e528	e583	e617
2	3210	e1300	4830	1880	2820	1660	5040	3680	1500	e526	e546	e545
3	3050	1380	4470	1680	2850	1980	4880	2690	1470	e522	e528	e492
4	3320	1200	4330	1510	3200	2160	7600	1790	1240	e511	e511	e482
5	2870	1250	4000	1100	3550	1960	9170	2440	1340	e471	e495	e491
6	2310	e820	3450	1150	3480	1750	8460	2050	1490	e487	e491	e508
7	1760	e961	3000	1020	3360	2040	7180	1890	1170	e480	e485	e503
8	2170	e967	2360	1300	3670	2050	6530	2140	1280	e458	e478	e498
9	1920	e1080	2210	1190	3390	1980	6400	1400	1120	e433	e471	e483
10	1840	e1520	2960	1370	2570	2580	5380	1740	998	e402	e457	e472
11	2010	1490	3920	1360	1820	2950	4770	991	929	e427	e455	e414
12	2180	1600	3670	1150	1720	2390	3900	1770	e841	e447	e448	e421
13	2900	1390	3350	1350	1260	2570	3040	1410	e795	e443	e461	e446
14	2490	1170	2940	e1440	1430	2350	2300	1300	e750	e432	e424	e431
15	1940	1320	2800	e1340	1590	2470	2080	1250	e712	e423	e406	e412
16	1480	1120	2850	e1250	1750	3220	2160	1080	e671	e421	e446	e423
17	1260	1070	3540	859	2810	3960	2270	1750	e654	e478	e436	e458
18	1840	1070	2870	930	2540	4120	2250	2720	e657	e588	e399	e466
19	1740	1480	2480	1110	2680	3890	1530	2450	e642	e614	e453	e502
20	1460	1620	2370	2170	2800	3840	1390	4620	e615	e576	e408	e495
21	1490	1560	4870	2520	3020	3290	1650	6660	e641	1150	e414	e478
22	1510	e1230	5360	2930	2770	3020	1610	7310	e609	1160	e396	e473
23	1040	1240	4940	2640	2810	1730	1670	5540	e605	1860	e396	e493
24	1300	1190	4200	2050	3370	1730	1540	5270	e619	1790	e425	e572
25	1220	1430	3980	2120	3130	2970	2270	5490	e611	1620	e416	e645
26	1270	1600	3610	2000	2720	4850	2040	4630	e605	1410	e446	e548
27	1700	1310	3320	1500	2420	7320	2310	4360	e648	1320	e435	e512
28	1060	1530	2640	1670	2050	6090	1720	3830	e610	833	e472	e486
29	1440	1550	2440	1470	2100	5480	1990	3450	e558	945	995	e510
30	836	3370	1780	1460	---	6170	3310	2400	e537	e617	802	e596
31	1160	---	e1820	1640	---	6190	---	1840	---	e616	936	---
TOTAL	58176	41018	106360	48729	76080	100860	112280	94501	26577	22988	15514	14872
MEAN	1877	1367	3431	1572	2623	3254	3743	3048	886	742	500	496
MAX	3320	3370	5360	2930	3670	7320	9170	7310	1660	1860	995	645
MIN	836	820	1780	859	1260	1660	1390	991	537	402	396	412
CAL YR 1987	TOTAL	897060	MEAN	2458	MAX	13100	MIN	488				
WTR YR 1988	TOTAL	717955	MEAN	1962	MAX	9170	MIN	396				

e Estimated

GENESEE RIVER MAIN STEM

04232006 GENESEE RIVER AT CHARLOTTE DOCKS AT ROCHESTER, NY

(National stream-quality accounting network station)

WATER QUALITY RECORDS

LOCATION.--Lat 43 13'26", long 77 36'59", Monroe County, Hydrologic Unit 04130003, at Charlotte Docks, at the Rochester Cement Corp., in Rochester, 0.4 mi upstream from Rattlesnake Point, 1.6 mi upstream from Stutson Street Bridge, and 3.6 mi downstream from gaging station (04232000) at Rochester.

DRAINAGE AREA.--2,467 mi at station 04232000.

PERIOD OF RECORD.--Water years 1971 to current year.

CHEMICAL DATA: 1971-72 (a), 1974 (b), 1975-82 (c), 1983-88 (b).

MINOR ELEMENTS DATA: 1971-73 (a), 1974-88 (b).

ORGANIC DATA: OC--1974 (a), 1975 (b), 1977 (b), 1978-80 (c), 1981 (b).

NUTRIENT DATA: 1971 (a), 1974 (b), 1975-82 (c), 1983-88 (b).

BIOLOGICAL DATA:

Bacteria--1974 (b), 1975-82 (c), 1983-88 (b).

Phytoplankton--1974 (b), 1975-77 (c), 1978-81 (b).

Periphyton--1975-80 (b).

SEDIMENT DATA: 1974 (b), 1975-82 (c), 1983-88 (b).

REMARKS.--Water-discharge data are based on records for station 04232000 Genesee River at Rochester. Water-quality samples collected by the New York State Department of Environmental Conservation were grab samples collected from the dock at Genesee Docks.

COOPERATION.--Subsequent to October 1987, water-quality analyses identified by an (*) were collected by the New York State Department of Environmental Conservation.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

		DIS-CHARGE IN CUBIC FEET PER SECOND	SPE-CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TUR- BID- ITY (NTU)	BARO- METRIC PRES- SURE (MM OF HG)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	
NOV 03...	1000	871	1000	7.7	12.0	5.7	755	9.1	85	600	
MAY 01...	1100	5210	383	7.8	14.0	27	750	11.9	117	420	
JUN 06...	1100	5040	383	8.0	17.5	26	755	9.7	102	2300	
AUG 27...	1300	816	696	8.1	22.0	25	765	8.2	94	360	
		STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS TOTAL (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY LAB (MG/L AS CaCO ₃)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)
NOV 03...	390	250	75	15	100	4.3	128	100	170	0.3	
MAY 01...	140	140	42	9.3	20	1.9	90	48	32	.1	
JUN 06...	150	150	44	9.3	18	1.9	103	49	30	.1	
AUG 27...	K28	220	65	13	53	3.0	136	79	89	.2	

K Results based on colony count outside the ideal range (non-ideal colony count).

GENESEE RIVER MAIN STEM

04232006 GENESEE RIVER AT CHARLOTTE DOCKS AT ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984--continued

DATE	SILICA, DIS- SOLVED (MG/L AS SIO ₂)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO ₂ +NO ₃ DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS DIS- SOLVED (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)
NOV 03...	2.1	576	551	1.00	1.10	1.8	0.07	0.03	0.02	30
MAY 01...	3.2	292	216	1.10	< .01	1.2	.03	< .01	< .01	< 10
JUN 06...	3.4	272	222	.91	< .01	1.8	.06	.02	< .01	20
AUG 27...	5.2	419	395	1.10	.25	.90	.07	.04	.03	20

DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)
NOV 03...	1	67	<0.5	2	<1	<3	12	58	2	6
MAY 01...	1	43	<1	<1	<1	<3	2	43	2	6
JUN 06...	1	44	< .5	<1	<1	<3	4	33	3	6
AUG 27...	2	69	< .5	1	1	<3	5	9	2	29

DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
NOV 03...	67	0.1	< 10	< 1	< 1	< 1.0	860	< 6	68
MAY 01...	18	.1	< 10	1	< 1	< 1.0	380	< 6	23
JUN 06...	9	< .1	< 10	3	< 1	< 1.0	370	< 6	10
AUG 27...	18	.4	< 10	5	< 1	< 1.0	700	< 6	12

GENESEE RIVER MAIN STEM

04232006 GENESEE RIVER AT CHARLOTTE DOCKS AT ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	DIS- CHARGE IN CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TUR- BID- ITY (NTU)	BARO- METRIC PRES- SURE (MM OF HG)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
NOV 26...	1300	2100	738	8.0	3.5	5.5	745	12.0	93	2800
MAY 20...	1230	1900	905	8.4	19.0	4.0	755	8.4	92	K1900
JUN 12...	1300	2210	806	7.8	20.5	9.5	750	7.8	88	4300
AUG 20...	1100	285	844	7.6	25.0	2.0	757	5.2	64	K1300

DATE	STREP- TOCOC- CI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS TOTAL (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CaCO ₃	SULFATE DIS- SOLVED (MG/L AS SO ₄)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)
NOV 26...	480	250	73	16	58	2.3	164	99	93	0.1
MAY 20...	K4	300	90	18	64	3.6	148	120	120	.2
JUN 12...	860	230	69	14	70	3.4	123	99	120	.2
AUG 20...	K1	210	62	13	93	3.8	111	95	150	.3

DATE	SILICA, DIS- SOLVED (MG/L AS SiO ₂)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITU- ENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO ₂ +NO ₃ DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS DIS- SOLVED (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)
NOV 26...	3.4	444	449	0.89	0.48	0.5	0.04	0.02	0.02
MAY 20...	1.1	580	512	.88	.39	.7	.06	< .01	< .01
JUN 12...	1.2	492	456	.78	.31	1.2	.14	< .01	< .01
AUG 20...	1.3	503	488	.29	.48	1.3	.11	.09	.05

K Results based on colony count outside the ideal range (non-ideal colony count).

GENESEE RIVER MAIN STEM

04232006 GENESEE RIVER AT CHARLOTTE DOCKS AT ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985--continued

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)
NOV 26...	20	< 1	51	< 0.5	< 1	1	< 3	3	12	3
MAY 20...	50	< 1	64	< .5	< 1	< 1	< 3	11	12	5
JUN 12...	10	< 1	53	1.9	< 1	2	< 3	4	39	2
AUG 20...	440	3	56	< .5	1	< 1	< 3	3	15	7

DATE	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
NOV 26...	13	65	0.1	< 10	1	< 1	< 1.0	950	< 6	15
MAY 20...	31	28	.1	< 10	1	< 1	< 1.0	1300	< 6	11
JUN 12...	39	16	< .1	< 10	4	< 1	< 1.0	920	< 6	34
AUG 20...	28	120	.2	< 10	6	< 1	< 1.0	790	< 6	14

GENESEE RIVER MAIN STEM

04232006 GENESEE RIVER AT CHARLOTTE DOCKS AT ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	DIS-CHARGE IN CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TUR- BID- ITY (NTU)	BARO- METRIC PRES- SURE (MM OF HG)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
OCT										
29...	1200	660	910	8.0	12.0	15	760	9.9	92	440
MAY										
06...	1100	944	650	7.9	13.5	5.0	750	7.4	72	120
JUN										
18...	1130	5230	373	7.9	24.0	220	760	6.1	73	--
AUG										
20...	1100	623	668	7.7	24.5	27	763	6.9	83	K2700

DATE	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS TOTAL (MG/L AS CaCO ₃)	CAL- CIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINTY WAT WH TOT FET FIELD MG/L CaCO ₃	SUL- FATE DIS- SOLVED (MG/L AS SO ₄)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO ₂)
OCT											
29...	44	250	76	15	81	4.7	117	120	130	0.2	2.8
MAY											
06...	K22	--	70	--	48	2.7	128	95	76	.1	1.9
JUN											
18...	500	130	40	8.3	21	2.4	94	--	--	--	5.0
AUG											
20...	48	220	65	13	47	4.2	118	83	78	.10	3.6

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO ₂ +NO ₃ DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA TOTAL (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS DIS- SOLVED (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)
OCT										
29...	557	504	0.56	0.60	0.24	0.04	0.9	0.03	< 0.01	< 0.01
MAY										
06...	425	--	--	.33	--	--	--	--	--	--
JUN										
18...	--	--	--	--	--	--	--	--	--	--
AUG										
20...	239	370	1.00	.23	.24	.05	1.0	.12	.07	.03

K Results based on colony count outside the ideal range (non-ideal colony count).

GENESEE RIVER MAIN STEM

04232006 GENESEE RIVER AT CHARLOTTE DOCKS AT ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986--continued

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)
OCT 29...	20	1	52	2	< 1	2	< 3	13	21	7
MAY 06...	--	--	--	--	--	--	--	--	--	--
JUN 18...	30	< 1	38	< .5	< 1	< 1	< 3	4	35	< 5
AUG 20...	20	2	56	< .5	< 1	5	< 3	2	16	< 5

DATE	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 29...	20	160	< 0.1	< 10	1	< 1	< 1.0	1000	< 6	31
MAY 06...	--	--	--	--	--	--	--	--	--	--
JUN 18...	9	7	.2	< 10	1	< 1	< 1.0	290	< 6	9
AUG 20...	31	67	.6	< 10	< 1	< 1	< 1.0	660	< 6	20

GENESEE RIVER MAIN STEM

04232006 GENESEE RIVER AT CHARLOTTE DOCKS AT ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	DIS-CHARGE IN CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TUR- BID- ITY (NTU)	BARO- METRIC PRES- SURE (MM OF HG)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT 28...	1200	1670	591	7.8	13.0	23	756	9.4	90	3400	530
MAY 11...	1200	1470	§707	8.0	17.0	7.0	752	10.6	111	K22	K6
JUN 24...	1130	2180	852	7.8	24.0	16	752	7.5	91	16000	100
AUG 17...	1245	570	690	7.9	22.5	3.2	756	6.9	80	K60000	74

DATE	HARD- NESS TOTAL (MG/L AS CaCO ₃)	CAL- CIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY WAT WH TOT FET FIELD MG/L CaCO ₃	SULFATE DIS- SOLVED AS AS SO ₄	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO ₂)
OCT 28...	210	64	13	34	3.3	98	77	52	0.1	4.6
MAY 11...	230	66	15	44	2.6	124	88	74	.2	1.3
JUN 24...	260	78	15	65	2.8	111	120	120	.2	2.3
AUG 17...	210	64	13	55	3.3	91	73	92	.4	1.8

DATE	SOLIDS, RESIDUE AT 180 DEG C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO ₂ +NO ₃ DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS DIS- SOLVED (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)
OCT 28...	349	318	0.67	0.21	0.24	0.04	0.9	0.04	0.02	0.02
MAY 11...	380	372	1.10	.22	.29	.03	2.5	.05	.02	< .01
JUN 24...	517	474	.42	.28	.29	.02	1.0	.09	.03	< .01
AUG 17...	402	361	.41	.40	.42	.01	1.2	.07	.01	< .01

K Results based on colony count outside the ideal range (non-ideal colony count).

§ Lab value used because field value not available.

GENESEE RIVER MAIN STEM

04232006 GENESEE RIVER AT CHARLOTTE DOCKS AT ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987--continued

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)
OCT 28...	20	1	41	< 0.5	2	< 1	< 3	5	19	< 5
MAY 11...	< 10	< 1	49	< .5	< 1	< 1	< 3	5	13	< 5
JUN 24...	< 10	1	52	< .5	< 1	< 1	< 3	14	6	< 5
AUG 17...	20	1	46	< .5	< 1	< 1	< 3	17	24	< 5

DATE	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 28...	12	55	0.3	< 10	< 1	< 1	< 1.0	650	< 6	18
MAY 11...	53	61	.3	< 10	2	< 1	< 1.0	740	< 6	15
JUN 24...	27	33	.5	< 10	< 1	< 1	1.0	1100	< 6	40
AUG 17...	11	21	< .1	< 10	< 1	< 1	< 1.0	640	< 6	82

GENESEE RIVER MAIN STEM

04232006 GENESEE RIVER AT CHARLOTTE DOCKS AT ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	TIME	DIS-CHARGE, IN CUBIC FEET PER SECOND	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	TUR- BID- ITY (NTU)	BARO- METRIC PRES- SURE (MM OF HG)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
NOV										
04...	1200	1200	770	7.9	9.0	8.3	763	11.1	96	410
APR										
* 06...	1430	8460	\$403	8.1	15.0	--	--	9.9	--	--
MAY										
* 02...	1155	3680	--	--	--	--	--	--	--	--
02...	1200	3680	430	7.7	9.0	58	761	13.1	114	380
* 02...	1215	3680	\$440	8.2	11.0	--	--	10.6	--	--
JUN										
* 06...	1225	1490	\$643	8.4	21.0	--	--	8.5	--	--
30...	1000	497	826	7.9	22.5	9.6	763	5.0	58	3900
AUG										
* 02...	1200	511	\$775	8.0	29.5	--	--	7.2	--	--
24...	1200	387	826	7.9	22.0	1.7	756	6.1	71	150000

DATE	STREP- TOCOC CI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS TOTAL (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CaCO ₃	SULFATE DIS- SOLVED (MG/L AS SO ₄)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)
NOV										
04...	K34	240	71	14	65	3.5	118	83	110	0.2
APR										
06...	--	150	44	10	22	2.5	\$104	47	33	.2
MAY										
02...	--	--	--	--	--	--	--	--	--	--
02...	870	160	46	11	26	1.9	89	49	42	.2
02...	--	150	45	10	26	2.0	\$101	50	42	.2
JUN										
06...	--	220	67	14	40	2.4	\$137	87	68	.2
30...	--	260	76	16	65	4.4	143	110	100	.2
AUG										
02...	--	220	67	13	64	3.7	\$112	110	110	.3
24...	--	200	59	13	67	2.9	101	85	110	.2

K Results based on colony count outside the ideal range (non-ideal colony count).

\$ Lab value used because field value not available.

* See COOPERATION paragraph, p. 89.

GENESEE RIVER MAIN STEM

04232006 GENESEE RIVER AT CHARLOTTE DOCKS AT ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988--continued

DATE	SILICA, DIS- SOLVED (MG/L AS SiO ₂)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO ₂ +NO ₃ DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS DIS- SOLVED (MG/L AS P)
NOV 04...	2.1	438	423	0.70	0.19	0.20	0.01	0.6	0.01	0.02
APR 06...	--	--	221	--	--	.36	--	.8	.51	--
MAY 02...	--	--	--	.74	.07	.10	< .01	.2	.03	.01
02...	2.9	257	239	.66	.10	.08	.01	.3	.03	.02
02...	--	--	236	--	--	.18	--	.6	.14	--
JUN 06...	--	--	361	--	--	.07	--	.3	.06	--
30...	1.4	469	463	.60	.96	.99	.07	1.7	.09	.03
AUG 02...	--	--	435	--	--	.22	--	.7	.07	--
24...	1.1	423	403	.52	.56	.56	.04	1.8	.10	.03

DATE	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM DIS- SOLVED (UG/L AS CD)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, DIS- SOLVED (UG/L AS CO)
NOV 04...	0.01	--	< 10	< 1	49	< 0.5	2	--	< 1	< 3
APR 06...	--	9100	--	--	--	--	--	1	--	--
MAY 02...	< .01	2400	--	--	--	--	--	1	--	--
02...	< .01	--	< 10	1	31	< .5	1	--	< 1	< 3
02...	--	2200	--	--	--	--	--	3	--	--
JUN 06...	--	580	--	--	--	--	--	2	--	--
30...	< .01	--	20	2	55	< .5	2	--	< 1	< 3
AUG 02...	--	200	--	--	--	--	--	2	--	--
24...	< .01	--	30	1	45	< .5	< 1	--	< 1	< 3

GENESEE RIVER MAIN STEM

04232006 GENESEE RIVER AT CHARLOTTE DOCKS AT ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988--continued

DATE	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY DIS- SOLVED (UG/L AS HG)
NOV 04...	15	--	--	11	< 5	--	15	--	49	< 0.1
APR 06...	--	16	16000	--	--	6	--	370	--	--
MAY 02...	--	13	4000	--	--	< 5	--	110	--	--
02...	5	--	--	20	< 5	--	13	--	21	--
02...	--	12	3800	--	--	< 5	--	90	--	--
JUN 06...	--	8	1500	--	--	< 5	--	80	--	--
30...	9	--	--	25	< 5	--	62	--	120	< .1
AUG 02...	--	9	370	--	--	7	--	120	--	--
24...	7	--	--	26	< 5	--	14	--	64	< .1

DATE	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)	NICKEL, DIS- SOLVED (UG/L AS NI)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	STRON- TIUM, DIS- SOLVED (UG/L AS SR)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
NOV 04...	--	< 10	4	--	< 1	< 1.0	710	< 6	58	--
APR 06...	< 0.1	--	--	20	--	--	--	--	--	60
MAY 02...	< .1	--	--	5	--	--	--	--	--	20
02...	--	< 10	< 1	--	< 1	< 1.0	410	< 6	7	--
02...	< .1	--	--	6	--	--	--	--	--	20
JUN 06...	< .1	--	--	6	--	--	--	--	--	20
30...	--	< 10	4	--	< 1	< 1.0	900	< 6	43	--
AUG 02...	< .1	--	--	6	--	--	--	--	--	30
24...	--	< 10	4	--	< 1	< 1.0	670	< 6	32	--

IRONDEQUOIT CREEK MAIN STEM
04232040 IRONDEQUOIT CREEK NEAR PITTSFORD, NY

LOCATION.--Lat 43°03'15", long 77°29'28", Monroe County, Hydrologic Unit 04140101, on right bank 140 ft upstream from bridge on Thornell Road, 0.9 mi south of creek passage under Erie (Barge) Canal, and 2.7 mi southeast of Pittsford.

DRAINAGE AREA.--44.4 mi².

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1955, 1961-62, 1964-66, 1968, and annual maximum, water years 1962-63, 1965-66, 1968-70, 1972. March 1980 to current year.

REVISED RECORDS.--WDR NY-81-3: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Prior to March 1980, nonrecording gage and crest-stage gage at site 150 ft downstream at same datum. Elevation of gage is 405 ft above National Geodetic Vertical Datum of 1929, from Corps of Engineers river-profile map.

REMARKS.--Records fair. Unpublished water-quality records are available in files of Monroe County Department of Health. Several measurements of water temperature were made during each year.

COOPERATION.--Streamflow measurements were obtained and recorder equipment maintained by Monroe County Environmental Health Laboratory, Rochester, N.Y.

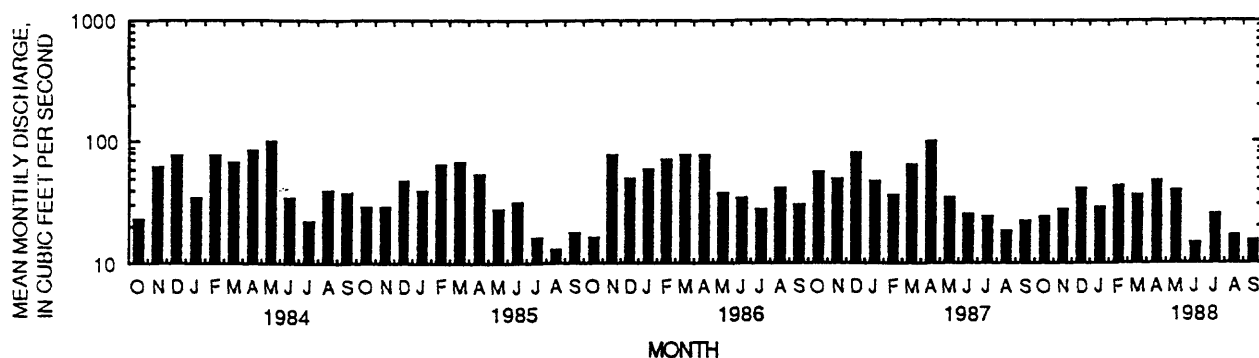
AVERAGE DISCHARGE.--9 years (water years 1981-89), 39.6 ft³/s, 12.11 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,140 ft³/s, Mar. 12, 1962, gage height, 8.6 ft, at site then in use; minimum discharge measured, 8.10 ft³/s, Sept. 17, 1964; minimum gage height at present site, 2.98 ft, Sept. 12, 1983.

EXTREMES FOR WATER YEARS 1984-88.--Peak discharges greater than base discharge of 360 ft³/s and annual maximum (*), and minimum:

Water year	Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Minimum discharge (ft ³ /s)	Gage height (ft)
1984	Dec. 14	1945	*496	*7.27	Apr. 25	1845	391	6.59	Oct. 3, 4	16	g3.00
	Feb. 14	2115	380	6.50	May 29	1145	426	6.85			
1985	Feb. 24	1100	*506	*7.52					Aug. 21-25	9.8	3.11
1986	Jan. 20	1945	477	7.33	Apr. 17	1715	*513	*7.56	Oct. 10	11	3.08
	Mar. 14	1130	374	6.50	Aug. 7	2245	444	7.07			
1987	Dec. 3	1500	370	6.46	Apr. 6	2400	*400	*6.71	July 28-29, 30	14	3.07
	Mar. 2	0900	384	6.58					Aug. 25-29	14	--
1988	July 24	0315	*398	*6.69					July 14	8.8	2.99

g Minimum gage height



IRONDEQUOIT CREEK MAIN STEM

04232040 IRONDEQUOIT CREEK NEAR PITTSFORD, NY--continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	22	55	e36	e30	e38	116	48	65	25	20	26
2	17	22	49	e38	e31	e37	158	46	56	24	22	28
3	16	30	47	39	33	e36	100	45	51	24	21	39
4	16	40	47	40	42	e36	73	180	50	24	23	34
5	21	70	53	e40	53	e39	118	269	43	32	22	28
6	25	74	119	e41	e47	e47	157	90	39	31	20	26
7	21	56	168	e39	e40	e43	84	67	37	27	23	25
8	19	44	66	e37	e36	e38	69	67	37	25	21	25
9	19	38	53	e36	e36	e37	60	84	34	23	20	23
10	19	38	51	e35	e37	e38	55	66	32	24	20	23
11	18	144	51	e33	59	e37	52	58	29	28	28	51
12	19	203	81	e31	130	e36	50	172	28	27	44	57
13	21	78	200	e33	193	e37	49	115	27	24	47	46
14	43	57	412	e35	347	e36	52	195	31	22	86	144
15	27	61	231	e33	325	e37	72	97	31	21	143	70
16	22	97	90	e32	109	e68	82	72	28	21	77	59
17	21	77	e76	e33	79	165	95	62	28	20	61	46
18	20	66	e68	e35	73	92	76	57	36	21	38	38
19	19	58	e54	e32	69	68	65	56	47	21	44	34
20	19	49	e45	e29	66	e70	68	53	33	20	39	32
21	19	48	e36	e28	60	e260	61	57	29	19	31	29
22	19	45	e40	e30	56	e210	53	51	27	19	30	28
23	31	43	e38	e31	55	e94	52	77	25	19	74	28
24	35	40	e36	e35	53	e72	63	111	27	19	48	28
25	27	41	e35	e39	51	64	301	62	29	18	34	28
26	25	41	e34	e39	49	61	141	53	26	18	28	38
27	36	39	e35	e36	e46	54	72	52	25	25	26	35
28	32	58	e35	e34	e41	53	61	71	25	24	42	32
29	26	140	e34	e33	e38	63	60	e371	25	21	55	29
30	24	72	e33	e33	---	68	53	e248	26	20	35	29
31	22	---	e34	e32	---	77	---	81	---	20	31	---
TOTAL	715	1891	2406	1077	2284	2111	2568	3133	1026	706	1253	1158
MEAN	23.1	63.0	77.6	34.7	78.8	68.1	85.6	101	34.2	22.8	40.4	38.6
MAX	43	203	412	41	347	260	301	371	65	32	143	144
MIN	16	22	33	28	30	36	49	45	25	18	20	23
CFSM	.52	1.42	1.75	.78	1.77	1.53	1.93	2.28	.77	.51	.91	.87
IN.	.60	1.58	2.02	.90	1.91	1.77	2.15	2.62	.86	.59	1.05	.97
CAL YR 1983	TOTAL	14884	MEAN	40.8	MAX	412	MIN	11	CFSM	.92	IN.	12.47
WTR YR 1984	TOTAL	20328	MEAN	55.5	MAX	412	MIN	16	CFSM	1.25	IN.	17.03

e Estimated

IRONDEQUOIT CREEK MAIN STEM

04232040 IRONDEQUOIT CREEK NEAR PITTSFORD, NY--continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	27	36	150	e28	57	248	27	74	20	16	17
2	32	27	36	176	e27	e54	93	25	40	18	16	14
3	33	27	33	63	e25	e42	69	25	28	18	16	14
4	30	28	33	45	e23	e33	73	25	24	18	15	13
5	29	33	29	42	e25	e45	71	25	29	17	13	17
6	28	32	e28	39	e24	e54	64	45	31	17	12	17
7	27	29	e28	e35	e23	e49	52	57	24	17	13	14
8	27	27	e29	e32	e22	124	47	39	22	16	14	29
9	27	26	e31	e33	e23	225	46	31	23	16	14	27
10	28	34	e35	e31	e25	98	43	28	23	17	13	30
11	28	41	e38	e30	e27	76	42	26	21	17	13	22
12	27	38	e42	e31	e30	104	41	28	71	16	12	19
13	27	33	e49	e31	34	175	42	33	76	15	12	19
14	27	31	e46	e32	35	92	44	26	57	14	12	17
15	27	29	41	e31	e30	74	44	23	39	18	e11	16
16	26	28	39	e31	e29	61	43	23	36	27	e11	16
17	26	27	36	e29	e30	e54	41	25	49	20	e10	16
18	28	25	33	e30	e29	e45	39	28	38	18	10	16
19	30	25	31	e31	e28	e46	60	33	27	15	10	16
20	36	25	33	e26	e30	53	79	28	28	14	10	16
21	34	25	34	e24	e30	48	50	29	38	14	9.9	17
22	33	23	76	e26	46	44	40	26	24	14	9.8	17
23	32	23	56	e28	224	44	36	22	22	14	9.8	19
24	30	25	41	e29	459	46	34	22	20	14	9.8	15
25	28	25	38	e29	275	51	32	21	17	15	13	14
26	29	25	28	e28	102	44	32	21	17	16	15	13
27	29	25	28	e29	74	40	32	24	17	19	19	23
28	29	28	38	30	57	52	31	31	17	16	14	23
29	29	40	125	30	---	72	32	29	22	16	15	18
30	29	35	249	29	---	53	29	24	22	15	18	16
31	28	---	84	e28	---	82	---	35	---	14	22	---
TOTAL	902	866	1503	1258	1814	2137	1629	884	976	515	408.3	540
MEAN	29.1	28.9	48.5	40.6	64.8	68.9	54.3	28.5	32.5	16.6	13.2	18.0
MAX	36	41	249	176	459	225	248	57	76	27	22	30
MIN	26	23	28	24	22	33	29	21	17	14	9.8	13
CFSM	.66	.65	1.09	.91	1.46	1.55	1.22	.64	.73	.37	.30	.41
IN.	.76	.73	1.26	1.05	1.52	1.79	1.36	.74	.82	.43	.34	.45
CAL YR 1984	TOTAL	18587	MEAN	50.8	MAX	371	MIN	18	CFSM	1.14	IN.	15.57
WTR YR 1985	TOTAL	13432.3	MEAN	36.8	MAX	459	MIN	9.8	CFSM	.83	IN.	11.25

e Estimated

IRONDEQUOIT CREEK MAIN STEM

04232040 IRONDEQUOIT CREEK NEAR PITTSFORD, NY--continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	18	108	e24	e31	e35	35	39	24	23	79	16
2	14	18	111	e24	e38	e33	33	40	37	46	75	16
3	14	19	75	e23	e43	e34	32	37	27	33	40	16
4	14	46	55	e22	52	44	32	37	24	25	28	e16
5	17	117	50	e21	167	47	41	34	24	23	24	e16
6	16	189	52	e21	e120	50	87	34	30	22	22	e16
7	15	99	49	e21	e72	e40	59	33	40	21	130	e16
8	14	56	49	e22	e64	e38	59	32	56	20	190	e16
9	13	54	48	e23	e56	e36	52	32	40	21	62	e16
10	12	95	47	e24	e50	79	52	31	28	19	44	e15
11	12	119	60	e23	e45	225	56	30	25	18	111	e18
12	13	80	90	e22	e40	95	68	29	43	27	58	e18
13	15	129	88	e21	e37	173	55	27	83	33	37	e18
14	15	111	71	e20	e34	349	47	27	44	38	30	e16
15	19	133	e52	e20	e32	238	57	27	30	28	26	e25
16	20	85	e45	e19	e31	138	221	45	33	22	25	e40
17	15	140	e42	e27	e30	89	450	44	41	22	33	e30
18	15	73	e38	60	41	76	196	34	28	24	27	e25
19	28	56	e35	121	107	72	83	33	25	30	22	e18
20	28	49	e34	365	223	67	74	82	63	27	21	e20
21	19	42	e33	357	274	53	97	89	42	25	21	e20
22	17	44	e32	126	140	50	75	59	30	22	25	e18
23	16	64	e32	84	78	52	62	49	46	20	21	e60
24	19	52	e31	55	61	52	56	43	31	19	22	e30
25	19	44	e30	51	54	48	51	37	27	19	20	e25
26	18	57	e29	e47	e41	47	49	33	24	20	18	e20
27	17	141	e28	e40	e39	47	47	29	25	21	18	e25
28	16	97	e28	e35	e37	47	44	28	27	19	18	e25
29	17	72	e27	e34	---	44	41	25	24	27	18	e145
30	17	74	e26	e32	---	41	39	23	27	60	17	e175
31	18	---	e25	e30	---	37	---	22	---	81	16	---
TOTAL	516	2373	1520	1814	2037	2476	2350	1164	1048	855	1298	930
MEAN	16.6	79.1	49.0	58.5	72.7	79.9	78.3	37.5	34.9	27.6	41.9	31.0
MAX	28	189	111	365	274	349	450	89	83	81	190	175
MIN	12	18	25	19	30	33	32	22	24	18	16	15
CFSM	.37	1.78	1.10	1.32	1.64	1.80	1.76	.85	.79	.62	.94	.70
IN.	.43	1.99	1.27	1.52	1.71	2.07	1.97	.98	.88	.72	1.09	.78
CAL YR 1985	TOTAL	14570.3	MEAN	39.9	MAX	459	MIN	9.8	CFSM	.90	IN.	12.21
WTR YR 1986	TOTAL	18381	MEAN	50.4	MAX	450	MIN	12	CFSM	1.13	IN.	15.40

e Estimated

IRONDEQUOIT CREEK MAIN STEM

04232040 IRONDEQUOIT CREEK NEAR PITTSFORD, NY--continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	72	e43	40	43	e29	143	108	54	23	22	16	16	
2	52	e49	88	44	e30	324	132	44	25	25	16	17	
3	52	e44	324	e41	47	130	93	43	24	30	23	18	
4	160	e41	216	e34	e48	69	159	43	24	26	21	17	
5	151	e38	94	e40	e38	61	342	40	23	23	21	16	
6	80	e39	72	e41	45	63	321	38	21	25	18	16	
7	56	37	70	48	45	121	274	35	24	50	17	17	
8	45	36	112	55	e45	147	121	33	28	60	17	19	
9	41	38	110	53	e40	e80	80	32	26	37	32	21	
10	40	34	189	49	e60	e47	66	29	24	29	37	19	
11	36	35	81	50	e43	e38	58	30	24	25	23	19	
12	35	37	59	50	e41	e41	57	29	26	22	20	24	
13	95	35	e48	47	e35	42	138	28	28	21	18	24	
14	109	36	e46	49	e34	39	90	30	25	27	17	20	
15	62	32	50	121	e30	39	61	47	22	31	16	17	
16	44	36	52	162	e31	37	53	40	21	23	15	17	
17	43	37	54	e54	e31	36	50	34	20	20	16	19	
18	60	27	61	e52	e31	35	50	33	19	19	16	46	
19	49	30	61	e49	e28	35	55	34	19	18	19	37	
20	45	31	53	e44	e29	35	58	33	18	30	22	31	
21	43	40	48	e46	e30	35	51	33	18	23	17	26	
22	e40	41	43	e39	e31	35	45	49	52	19	16	23	
23	e39	42	42	e38	e32	36	44	49	56	17	16	23	
24	e39	67	44	e38	e33	36	58	38	31	16	15	22	
25	e38	54	101	e33	e31	40	56	34	25	16	15	20	
26	e38	101	78	e32	e31	55	46	30	29	17	14	19	
27	e43	224	59	e32	e31	47	43	28	31	16	17	19	
28	e52	90	52	e31	32	44	140	27	26	15	18	22	
29	e48	56	48	e31	---	42	113	27	26	14	23	23	
30	e46	47	45	e30	---	40	66	23	25	18	19	50	
31	e44	---	44	e30	---	75	---	23	---	20	17	---	
TOTAL	1797	1497	2484	1506	1011	2047	3028	1090	783	754	587	677	
MEAN	58.0	49.9	80.1	48.6	36.1	66.0	101	35.2	26.1	24.3	18.9	22.6	
MAX	160	224	324	162	60	324	342	54	56	60	37	50	
MIN	35	27	40	30	28	35	43	23	18	14	14	16	
CFSM	1.31	1.12	1.80	1.09	.81	1.49	2.27	.79	.59	.55	.43	.51	
IN.	1.51	1.25	2.08	1.26	.85	1.72	2.54	.91	.66	.63	.49	.57	
CAL YR	1986	TOTAL	19750	MEAN	54.1	MAX	450	MIN	15	CFSM	1.22	IN.	16.55
WTR YR	1987	TOTAL	17261	MEAN	47.3	MAX	342	MIN	14	CFSM	1.07	IN.	14.46

e Estimated

IRONDEQUOIT CREEK MAIN STEM

04232040 IRONDEQUOIT CREEK NEAR PITTSFORD, NY--continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45	21	56	e28	42	e28	31	40	18	10	16	17
2	34	21	45	e27	50	30	31	33	22	10	15	15
3	31	21	38	e26	43	36	42	28	22	10	14	14
4	29	21	36	e24	35	34	250	28	24	10	14	19
5	26	23	36	e22	e32	29	121	26	20	10	14	22
6	24	23	34	e22	e29	28	68	26	17	10	14	18
7	25	22	32	e21	e28	29	55	25	17	10	14	16
8	25	22	31	e20	e27	30	51	23	17	10	14	16
9	23	29	34	e20	e26	30	52	22	17	10	14	15
10	21	26	40	e19	e24	32	46	20	17	10	13	14
11	27	24	36	e18	e23	32	41	20	16	10	13	13
12	27	23	33	e19	e24	30	40	20	16	9.6	13	13
13	23	22	32	e20	e25	29	40	20	16	9.3	14	13
14	21	21	32	e18	e29	28	38	20	14	10	14	13
15	21	21	36	e17	43	27	36	20	13	13	13	13
16	20	20	50	e16	77	25	34	37	13	12	12	13
17	20	20	44	e19	69	26	34	116	13	42	13	18
18	20	22	37	e27	61	25	32	51	12	27	13	18
19	19	22	35	46	61	26	31	50	12	15	12	15
20	19	22	82	83	80	27	31	64	12	15	12	15
21	22	21	119	87	73	25	34	159	12	29	11	15
22	23	19	55	50	58	24	32	141	12	23	12	16
23	24	20	43	38	e54	27	33	51	15	104	15	24
24	23	23	39	36	e48	30	38	39	13	209	22	19
25	25	23	38	36	e42	38	33	35	13	38	19	15
26	23	29	36	e31	e39	131	31	31	11	26	29	14
27	21	26	34	e28	e35	99	28	26	11	34	17	14
28	23	24	32	e25	e33	56	28	22	11	25	23	14
29	22	67	e31	e24	e30	44	33	20	11	18	50	14
30	22	123	e30	e26	---	39	51	19	10	17	32	14
31	21	---	e29	34	---	33	---	17	---	16	19	---
TOTAL	749	821	1285	927	1240	1127	1445	1249	447	801.9	520	469
MEAN	24.2	27.4	41.5	29.9	42.8	36.4	48.2	40.3	14.9	25.9	16.8	15.6
MAX	45	123	119	87	80	131	250	159	24	209	50	24
MIN	19	19	29	16	23	24	28	17	10	9.3	11	13
CFSM	.54	.62	.93	.67	.96	.82	1.08	.91	.34	.58	.38	.35
IN.	.63	.69	1.08	.78	1.04	.94	1.21	1.05	.37	.67	.44	.39
CAL YR 1987	TOTAL	14338	MEAN	39.3	MAX	342	MIN	14	CFSM	.88	IN.	12.01
WTR YR 1988	TOTAL	11080.9	MEAN	30.3	MAX	250	MIN	9.3	CFSM	.68	IN.	9.28

e Estimated

IRONDEQUOIT CREEK MAIN STEM
04232040 IRONDEQUOIT CREEK NEAR PITTSFORD, NY--continued

WATER QUALITY RECORDS

PERIOD OF RECORD--October 1983 to current year.

CHEMICAL DATA: 1983-88(e).

NUTRIENT DATA: 1983-88(e).

COOPERATION--Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, N.Y.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ENDING TIME	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
OCT											
03-05	0930	0830	--	--	0.08	< 0.10	1.0	0.020	0.006	36	320
05-07	0935	0835	--	--	.09	.30	1.0	.020	.008	54	260
11-13	0940	2040	--	--	.05	.40	1.0	.020	.005	56	280
13-14	2140	0840	70	9	.05	.70	.95	.080	.013	49	240
14-17	1015	0915	11	< 2	.05	.50	.96	.010	< .005	53	260
17-19	0945	0845	--	--	.10	.40	.64	.010	.011	57	270
21-23	1000	0300	--	--	.08	.40	1.1	.020	< .005	57	280
23-24	0400	0900	7	4	.08	.40	1.0	.030	.030	55	270
24-26	1000	0900	--	--	.08	.50	.91	.030	.010	53	230
26-27	0945	0045	--	--	.03	.40	.86	.020	.008	55	210
27-28	0145	0845	11	< 2	.02	.50	.94	.010	.005	56	260
28-31	0945	0845	--	--	--	--	--	.020	--	56	--
NOV											
02-03	0930	0230	--	--	.03	.40	.98	.020	.006	57	260
03-04	0330	0830	--	--	.04	.80	1.4	< .010	.005	56	300
04-04	1015	1515	--	--	.02	.50	.91	.030	.006	53	210
04-07	1615	0915	33	4	.04	1.1	1.4	.070	.010	53	170
07-09	1000	0900	--	--	.01	.50	1.3	.030	.010	51	180
10-10	1250	1950	--	--	.02	.60	.88	.010	.010	52	210
10-14	2050	0950	76	9	.02	1.2	.90	.100	.020	43	110
14-15	1030	1330	--	--	.01	.70	1.3	.040	.017	50	130
15-16	1430	0930	63	6	.02	.90	1.1	.040	.026	50	140
16-18	1000	0900	30	4	.01	.80	1.2	.130	.016	44	120
18-21	1000	0900	--	--	< .01	.50	1.1	.050	.012	49	150
21-23	0945	0845	--	--	< .01	.50	1.1	.040	.012	49	160
28-29	0930	0830	112	14	.02	1.1	1.4	.100	.016	48	160
29-30	0930	0830	65	7	< .01	.80	.88	.080	.019	35	95
NOV 30-											
DEC 02	1100	1000	--	--	.03	.50	1.2	.060	.011	51	150
05-05	0930	1830	--	--	.01	.60	1.0	.020	.009	58	150
05-07	1930	0830	81	11	< .01	1.0	1.0	.150	.017	49	110
07-09	0915	0815	30	5	.02	.60	1.1	.110	.015	44	120
12-12	0915	1215	--	--	.03	.30	1.2	.040	.007	50	170
12-14	1315	0815	142	66	.04	1.1	.85	.090	.020	37	84
14-16	1100	0900	88	46	.01	1.0	.79	.100	.022	24	66
16-19	0920	0820	13	120	.03	.40	1.2	.020	.010	43	120
21-23	0845	0745	--	--	.05	.90	1.8	.080	.005	62	200
JAN											
06-09	0845	0745	--	--	.02	.30	1.6	< .010	.007	57	210

IRONDEQUOIT CREEK MAIN STEM

04232040 IRONDEQUOIT CREEK NEAR PITTSFORD, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984--continued

DATE	TIME	ENDING TIME	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	RESIDUE VOLA- TILE, SUS- PENDE (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
FEB											
01...	1205	--	--	--	0.03	0.50	1.6	0.020	< 0.005	80	210
10-10	1100	1400	--	--	--	--	--	.030	.014	69	--
10-14	1100	1000	101	14	.03	.80	1.1	.120	.008	46	120
10-10	1500	1800	--	--	--	--	--	.020	< .005	70	--
10-10	1900	2200	--	--	--	--	--	.020	< .005	72	--
10-11	2300	0200	--	--	--	--	--	.020	< .005	70	--
11-11	0300	0600	--	--	--	--	--	.020	< .005	70	--
11-11	0700	1000	--	--	--	--	--	.020	< .005	81	--
11-11	1100	1400	--	--	--	--	--	.020	< .005	83	--
11-11	1500	1800	--	--	--	--	--	.020	< .005	77	--
11-11	1900	2200	--	--	--	--	--	.020	.006	77	--
11-12	2300	0200	154	16	--	--	--	.050	.009	70	--
12-12	0300	0600	186	22	--	--	--	.200	.012	58	--
12-12	0700	1000	137	15	--	--	--	.140	.019	47	--
12-12	1100	1400	123	13	--	--	--	.090	.019	41	--
12-12	1500	1800	97	11	--	--	--	.070	.019	41	--
12-12	1900	2200	152	19	--	--	--	.090	.029	45	--
12-13	2300	0200	148	20	--	--	--	.160	.030	45	--
13-13	0300	0600	126	19	--	--	--	.120	.029	41	--
13-13	0700	1000	101	11	--	--	--	.090	.014	22	--
13-13	1100	1400	103	12	--	--	--	.110	.014	34	--
13-13	1500	1800	226	17	--	--	--	.180	.014	36	--
13-13	1900	2200	321	28	--	--	--	.240	.016	35	--
13-14	2300	0200	252	35	--	--	--	.220	.013	23	--
14-14	0300	0600	301	32	--	--	--	.300	.018	26	--
14-14	0700	1000	233	28	--	--	--	.260	.019	23	--
14-14	1310	1440	117	11	--	--	--	.090	.015	15	--
14-15	1310	1110	143	16	.04	.90	1.1	.100	.020	32	46
14-14	1510	1640	140	13	--	--	--	.100	.013	26	--
14-14	1710	1840	210	15	--	--	--	.110	.016	31	--
14-14	1910	2040	234	20	--	--	--	.100	.017	39	--
14-14	2110	2240	243	17	--	--	--	.110	.015	42	--
14-15	2310	0040	174	17	--	--	--	.100	.015	41	--
15-15	0110	0210	160	17	--	--	--	.080	.016	42	--
15-15	0310	0410	123	13	--	--	--	.120	.016	41	--
15-15	0510	0640	126	16	--	--	--	.080	.017	39	--
15-15	0710	0840	109	12	--	--	--	.130	.018	35	--
15-15	0910	1100	92	12	--	--	--	.060	.017	32	--
15-15	1135	1435	79	10	--	--	--	.080	.016	20	--
15-17	1135	0835	49	5	.06	1.0	1.2	.060	.013	36	80
15-15	1535	1835	73	8	--	--	--	.090	.015	25	--
15-15	1935	2235	66	8	--	--	--	.080	.015	34	--
15-16	2335	0235	--	--	--	--	--	.060	.012	31	--
16-16	0335	0835	--	--	--	--	--	.050	.013	37	--

IRONDEQUOIT CREEK MAIN STEM
04232040 IRONDEQUOIT CREEK NEAR PITTSFORD, NY--continued
WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984--continued

DATE	TIME	ENDING TIME	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
FEB--continued											
16-16	0735	1035	--	--	--	--	--	0.040	0.012	40	--
16-16	1135	1435	--	--	--	--	--	.030	.011	42	--
16-16	1535	1835	--	--	--	--	--	.040	.010	43	--
16-16	1935	2235	--	--	--	--	--	.030	.011	45	--
16-17	2335	0235	--	--	--	--	--	< .010	.010	38	--
17-17	0335	0835	--	--	--	--	--	.030	.010	43	--
17-21	0900	0800	--	--	0.02	0.50	1.3	.040	.011	51	120
MAR											
01-05	1430	1230	--	--	.02	.50	1.5	.020	.006	60	170
16-16	1035	1535	--	--	.04	.50	1.2	.030	< .005	83	100
16-19	1635	0935	54	6	.09	.40	.98	.070	.006	49	80
19-20	1100	1400	--	--	.02	1.0	1.0	.030	< .005	49	120
20-21	1500	1000	109	< 2	.01	1.0	1.1	.100	< .005	47	110
21-22	1050	1020	99	< 2	.05	.90	1.0	.080	.012	45	63
22-23	1040	1010	--	--	.02	.40	1.2	.050	< .005	38	82
23-26	1045	0945	--	--	.05	.50	1.2	< .010	.005	60	140
30-31	1055	1255	--	--	.04	.80	1.4	.020	< .005	70	140
MAR 31-											
APR 02	1355	0955	55	7	.02	.60	.87	.040	< .005	53	100
02-04	1010	0910	--	--	.03	.70	.84	.080	< .005	41	84
04-04	1055	2155	--	--	.06	.40	.80	.010	< .005	44	100
04-05	2255	1055	--	--	.08	.70	1.0	.010	< .005	48	120
05-06	1115	0945	81	9	.10	.80	.97	.070	.005	48	84
06-09	1015	0915	--	--	.02	.50	1.1	.030	.006	48	100
09-11	1015	1015	--	--	.02	.60	1.2	< .010	.005	51	160
13-15	1010	0010	--	--	.02	.40	1.3	.020	.005	68	190
15-16	0110	0910	--	--	.02	.60	1.0	.020	.009	51	170
16-18	1055	0955	29	5	.03	.80	.86	.050	< .005	59	130
18-20	1025	0925	--	--	.03	.70	1.1	.030	< .005	53	170
20-23	1050	0950	--	--	.02	.50	1.1	.020	< .005	58	200
23-24	1040	1340	--	--	.13	.70	1.1	.010	.006	54	170
24-25	1440	0940	190	23	.06	1.3	1.0	.110	.010	46	140
25-27	1130	0930	105	14	.02	.90	.73	.110	< .005	34	84
27-30	0125	0925	--	--	.02	.60	1.1	.040	< .005	48	140
MAY											
02-03	1045	2145	--	--	.02	.70	1.2	.030	< .005	48	170
03-04	2245	0945	--	--	.02	.70	1.1	.050	< .005	39	160
04-07	1110	1010	68	8	.02	.80	.66	.060	< .005	34	88
07-08	1100	1000	12	3	.03	.60	.88	.030	.009	46	120
08-09	1100	1000	18	3	.02	.60	.96	.020	.009	45	130
09-11	1120	1020	--	--	.21	.60	.86	.040	.009	41	120
11-11	1050	1850	--	--	.05	.60	.89	.020	.011	46	150
11-13	1950	1850	121	14	.06	1.2	.74	.060	.012	34	72
13-14	1950	0950	72	8	.06	.90	.74	.070	.014	29	91
14-16	1120	1020	42	5	< .01	.60	.78	.040	.014	32	74
21-23	1100	0400	--	--	.02	.60	1.2	.030	.014	47	170
23-23	0500	1000	--	--	.03	.60	1.1	.050	.016	46	180
23-24	1115	0015	--	--	.04	.90	1.0	.040	< .005	43	130
25...	1110	--	--	--	.02	.60	.98	.030	< .005	39	140
29...	1300	--	285	35	.08	1.8	.50	.250	.021	27	32

IRONDEQUOIT CREEK MAIN STEM
04232040 IRONDEQUOIT CREEK NEAR PITTSFORD, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984--continued

DATE	TIME	ENDING TIME	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
MAY--continued											
29...	1545	--	310	31	0.04	1.9	0.50	0.080	0.025	25	32
30...	1300	--	105	11	.05	.80	.60	.090	0.012	24	54
JUN											
01...	1255	--	36	< 5	.04	.90	.95	< .010	< 0.005	41	98
04...	1114	--	52	6	.04	.60	1.2	.100	.019	47	150
06...	1115	--	3	< 2	.03	.90	1.4	.100	.010	50	200
18-18	0430	0930	--	--	.02	.60	1.2	.020	.007	25	270
18-20	1045	0945	7	< 2	.03	.80	1.6	< .005	< .005	51	180
JUL											
04-05	1010	0610	--	--	.02	1.3	1.3	.030	.011	51	230
05-06	1010	0910	22	5	.02	1.0	1.4	.030	.007	51	250
09-11	1010	0910	10	3	.04	.60	1.5	.060	.021	53	250
16-18	0940	0840	17	3	.09	1.1	.89	.080	.004	90	240
27-27	0545	0845	--	--	.04	1.0	.54	.060	.011	97	280
AUG											
10-13	0910	0810	--	--	.03	.80	1.0	.060	.013	87	270
13-14	0945	1445	--	--	.02	--	1.3	.070	.025	53	170
13-15	0945	0845	--	--	--	.80	--	--	--	--	--
14-15	1545	0845	410	77	.03	--	1.0	.170	.026	36	140
15-16	1000	1300	--	--	.13	.80	1.4	.034	.033	120	--
16-17	1400	0900	300	33	.04	1.8	1.2	.150	.030	40	130
17-19	1325	2125	--	--	.01	.70	1.2	.050	.023	53	230
20-22	1340	1040	--	--	.01	.70	1.3	< .010	.009	54	220
22-23	1105	0005	--	--	.01	.40	1.6	.030	.012	54	230
23-24	0105	1005	--	--	.01	1.1	.98	.190	.021	46	180
27-28	1135	1635	--	--	.01	.70	1.4	.010	.010	49	280
28-29	1735	0935	350	33	.02	2.0	1.2	.170	.024	37	150
29-31	1025	0725	54	8	.03	1.0	1.4	.040	.029	53	170
AUG 31-											
SEP 02	0800	2300	--	--	.02	.20	1.4	.010	.010	54	190
04...	1115	--	--	--	.02	.30	1.4	.030	.013	52	240
07-07	1010	1040	--	--	.02	--	1.6	--	.005	--	--
07...	1026	--	--	--	.10	--	--	--	.010	--	--
07...	1027	--	--	--	.03	--	--	--	.010	--	--
07...	1028	--	--	--	.04	--	--	--	.010	--	--
07...	1029	--	--	--	.03	--	--	--	< .010	--	--
07...	1030	--	--	--	.07	--	--	--	.010	--	--
07...	1031	--	--	--	< .01	--	--	--	.010	--	--
07...	1032	--	--	--	.03	--	--	< .010	.010	--	--
07...	1033	--	--	--	< .01	--	--	--	.010	--	--
07-10	1050	0950	--	--	.02	.40	1.5	.010	.012	47	280
10-11	1020	0520	--	--	.02	.20	1.5	.010	< .005	53	220
11-12	0620	0920	91	11	.03	1.0	1.4	.070	.019	48	200
14...	1015	--	200	25	.04	2.0	.54	.190	.038	28	98
14...	1545	--	--	--	.09	1.7	.62	.130	.097	34	90
SEP 28-											
OCT 01	1025	0925	--	--	.01	.40	1.2	< .010	.006	54	240

IRONDEQUOIT CREEK MAIN STEM
04232040 IRONDEQUOIT CREEK NEAR PITTSFORD, NY--continued
WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	ENDING TIME	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
FEB											
21-22	1315	1215	--	--	0.02	0.60	1.3	0.100	0.053	67	190
22-22	1245	1445	--	--	--	--	--	.050	< .005	69	--
22-25	1245	1145	180	17	.03	1.6	1.4	.170	.018	48	38
22-22	1545	1745	--	--	--	--	--	.050	.006	80	--
22-22	1845	2045	--	--	--	--	--	.160	--	--	--
22-22	2145	2345	--	--	--	--	--	.120	.008	85	--
23-23	0045	0245	135	17	--	--	--	.140	.012	74	--
23-23	0345	0545	203	25	--	--	--	.160	.014	64	--
23-23	0645	0845	214	24	--	--	--	.140	.012	55	--
23-23	0945	1145	231	26	--	--	--	.170	.022	52	--
23-23	1245	1445	--	--	--	--	--	.510	--	52	--
23-23	1545	1745	394	34	--	--	--	.200	.023	45	--
23-23	1845	2045	451	42	--	--	--	.190	.020	45	--
23-23	2145	2345	569	13	--	--	--	.260	.021	37	--
24-24	0045	0245	289	27	--	--	--	.200	.019	34	--
24-24	0345	0545	353	36	--	--	--	.200	.030	36	--
24-24	0645	0845	162	14	--	--	--	.100	.022	30	--
24-24	0945	1145	193	23	--	--	--	.140	.024	30	--
24-24	1245	1445	231	15	--	--	--	.190	.027	31	--
24-24	1545	1745	142	15	--	--	--	.110	.018	31	--
24-24	1845	2045	133	14	--	--	--	.180	.025	33	--
24-24	2145	2345	149	15	--	--	--	.120	.022	28	--
25-25	0045	0245	125	13	--	--	--	.150	.019	32	--
25-25	0345	0545	119	12	--	--	--	.140	.022	32	--
25-25	0645	0845	127	14	--	--	--	.140	.022	31	--
25-25	0945	1145	98	11	--	--	--	.140	.023	33	--
25-25	1255	1755	68	< 11	--	--	--	.350	.019	33	--
25-27	1255	1155	44	7	.09	.70	1.5	.320	.016	34	83
25-25	1855	2355	83	< 12	--	--	--	.290	.021	35	--
26-26	0055	0555	66	< 12	--	--	--	.420	.016	35	--
26-26	0655	1155	49	< 11	--	--	--	.290	.013	37	--
26-27	1255	1155	22	< 10	--	--	--	.230	.011	42	--
FEB 27-											
MAR 01	1225	1125	--	--	.08	.50	1.4	.440	.007	54	150
01-04	1240	1140	--	--	.04	< .20	1.2	.160	.006	56	150
04-06	1255	1155	--	--	.05	.40	1.2	.030	.008	83	180
06-08	1255	1155	--	--	.03	.60	1.0	.030	.006	73	150
08-11	1300	1100	110	12	.03	.80	1.3	.040	.020	51	100
11-12	1115	0615	--	--	.04	.40	1.1	.060	.007	41	140
12-13	0715	1015	--	--	.02	.70	1.1	.120	.017	48	110
13-15	1220	1020	52	7	.03	.80	1.8	.060	.020	46	83
15-18	1110	1010	--	--	.05	.50	1.1	.020	< .005	56	130
27-28	1140	1040	--	--	.06	.40	1.3	.010	.009	52	190
28-29	1140	1040	--	--	.04	.40	1.1	.040	.008	53	140
29-31	1135	1335	--	--	.04	.70	1.2	.030	< .005	29	140

IRONDEQUOIT CREEK MAIN STEM
04232040 IRONDEQUOIT CREEK NEAR PITTSFORD, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985--continued

DATE	TIME	ENDING TIME	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
MAR 31-											
APR 01	1435	1035	347	34	0.07	1.5	1.4	0.270	0.012	43	86
01-03	1130	1030	100	30	.09	.80	1.8	.050	.010	37	87
19-19	0440	0940	--	--	.02	.40	1.2	.030	< .005	44	200
19-22	1050	0950	26	< 5	.05	.80	1.1	.070	< .005	50	110
MAY											
03-05	1525	2325	--	--	.08	.50	1.4	< .010	.008	75	190
06-06	0025	1025	--	--	.09	.50	1.4	.030	.008	61	210
06-08	1110	1010	--	--	.07	.60	1.1	.030	< .005	58	140
10-12	1050	1850	--	--	.22	.40	1.6	.020	.005	62	250
12-13	1950	0950	--	--	.04	.50	1.2	.030	.005	60	91
24-27	1100	1000	--	--	.03	.70	1.3	.030	.007	56	240
27-28	1100	1000	--	--	.04	.40	1.4	.040	.008	55	230
30-31	1100	1000	--	--	< .01	.60	1.5	.230	.007	55	210
MAY 31-											
JUN 03	1050	0950	182	22	.03	1.1	1.1	.100	.009	69	150
03-05	1145	1045	--	--	.02	.30	1.2	.050	.013	56	200
05-07	1100	1000	--	--	.03	.70	1.1	.070	.008	53	180
10-12	1110	0010	--	--	.03	.70	1.2	.040	< .005	57	200
12-12	0110	1010	234	30	.05	1.8	1.2	.090	< .005	47	180
12-14	1120	1020	155	22	.02	1.3	2.0	.130	< .005	47	110
14-17	1105	1005	--	--	.02	.40	1.9	.090	.021	51	140
17-19	1150	1050	--	--	.03	.70	1.7	.060	.012	48	140
19-20	1110	2210	--	--	--	.40	1.6	.030	.007	56	180
20-21	2310	1010	271	28	--	2.1	2.1	.160	.009	51	160
26-28	1130	1030	--	--	.02	.50	1.4	.020	< .005	60	270
JUN 28-											
JUL 01	1145	1045	--	--	.03	.30	1.4	.040	< .005	57	240
05-08	1115	1015	--	--	.04	.60	1.3	.040	< .005	60	240
10-12	1120	1020	--	--	.18	.30	2.1	.060	< .005	62	160
15-15	1140	1640	--	--	.03	.20	1.3	.050	< .005	66	160
15-17	1740	1040	36	6	.06	.40	1.5	.080	< .005	58	160
24-26	1040	0940	34	5	.03	.40	1.3	.060	< .005	61	300
26-29	1040	0940	20	< 5	.06	.60	1.3	.050	.030	57	280
AUG											
26-26	1110	1810	--	--	< .01	.50	1.3	.060	< .005	55	260
26-28	1910	1110	72	12	.02	.80	1.2	.070	.010	52	240
SEP											
03-05	1105	0705	--	--	.10	.30	1.2	.070	< .005	58	180
05-06	0805	1005	--	--	.06	.50	1.4	.060	< .005	53	180
08-08	1400	1900	121	19	.02	1.3	1.1	.190	< .005	51	190
09-11	1210	1110	--	--	.01	1.1	1.2	.100	.009	52	170
09...	1220	--	--	--	.04	.80	.93	.090	.011	46	180
25-26	1200	1700	--	--	.06	.60	1.3	.020	.010	60	180
27...	1010	--	--	--	.04	.50	1.3	.030	.009	50	280

IRONDEQUOIT CREEK MAIN STEM
04232040 IRONDEQUOIT CREEK NEAR PITTSFORD, NY--continued
WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	ENDING TIME	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
OCT											
11-15	1045	0545	--	--	< 0.01	0.40	1.7	0.040	< 0.005	61	290
15-15	0645	0945	--	--	.03	.50	1.2	.030	< .005	53	190
15-18	1045	0945	--	--	.02	.50	.95	.030	< .005	57	130
18-18	1050	2150	--	--	.02	.40	1.0	.040	.007	57	150
18-21	2250	0950	--	--	< .01	.50	.87	.030	.005	54	150
23-24	1055	0955	--	--	.02	.40	.91	.040	.008	56	280
24-24	1055	1755	--	--	.02	.50	.91	.040	.008	57	270
NOV											
01-02	1110	1310	--	--	.02	.30	1.1	.050	.034	58	310
04-05	1055	0955	134	19	.03	1.0	.77	.100	.018	52	190
04...	1100	--	--	--	.03	1.2	.93	.120	.042	53	240
06-08	1120	1020	104	14	.03	1.3	2.0	.110	.026	67	120
06...	1130	--	181	11	.03	1.8	1.4	--	.028	35	100
08-12	1140	1040	52	8	.02	.90	1.3	.080	.012	47	120
12-15	1135	1035	81	12	< .01	1.0	1.3	.110	.035	43	180
15-16	1155	1355	63	7	.01	.70	1.2	.110	.021	40	140
16-18	1455	1055	61	10	< .01	1.0	1.4	.090	.019	40	100
18-20	1120	1020	--	--	.04	.50	1.2	.060	.020	47	180
20-22	1110	1010	--	--	.03	.40	1.4	.020	< .005	53	200
22-23	1105	1005	--	--	.04	.60	1.4	.030	.012	57	190
25-26	1110	1810	--	--	< .01	.40	1.3	.040	.013	58	180
26-27	1910	1010	75	10	.02	.80	1.6	.090	.015	70	160
27-29	1120	1020	35	< 5	.02	--	1.3	.080	.013	42	140
29-30	1225	1725	--	--	.02	--	1.4	.040	.014	50	140
NOV 30-											
DEC 02	1825	1125	--	--	.02	--	1.6	.080	.014	46	130
02-03	1130	1430	--	--	.02	--	1.2	.170	.018	44	150
09-10	1120	2220	--	--	.02	.40	1.5	.050	.007	52	200
11-13	1210	0710	--	--	.06	.50	1.4	.060	.006	60	140
11...	1215	--	--	--	.02	.60	1.5	.040	.006	72	170
13-16	1230	1130	--	--	.06	.50	1.4	.040	.012	51	130
27...	1140	--	--	--	.05	.40	2.1	.020	< .005	61	250
30...	1130	--	--	--	.03	.30	1.8	.010	< .005	56	210
JAN											
02-03	1640	1940	--	--	.04	1.4	1.6	.040	.015	56	180
08-10	1155	1055	--	--	.04	.30	1.6	.030	.011	55	230
15-17	1120	1020	--	--	.03	.40	1.5	.020	< .005	68	250
17-19	1055	2155	--	--	.03	.90	1.4	.090	.011	60	150
19-21	2255	0955	251	25	.04	1.8	1.3	.050	--	41	80
21-24	1150	1050	--	--	.03	.50	1.3	.050	.018	45	120
24-27	1105	1005	--	--	.01	.40	1.5	.040	< .005	53	180
JAN 31-											
FEB 01	0915	2315	--	--	.02	.30	1.6	.010	.005	64	190
02-03	0015	0815	--	--	.02	.50	1.7	.020	< .005	84	180
03-04	1110	2010	--	--	.02	.50	1.4	.030	.006	67	150
04-05	2110	1010	98	13	.02	.70	1.4	.130	.010	70	140
05-07	1230	1030	70	9	.02	.70	1.2	.080	.010	48	94

IRONDEQUOIT CREEK MAIN STEM

04232040 IRONDEQUOIT CREEK NEAR PITTSFORD, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986--continued

DATE	TIME	ENDING TIME	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
FEB--continued											
07-10	1125	1025	--	--	0.02	0.60	1.3	0.030	< 0.005	57	170
14-18	1045	0945	--	--	< .010	.30	1.5	.020	< .005	59	170
18-19	1125	1025	--	--	.030	.70	1.4	.040	.005	96	110
19-21	1055	0955	101	13	.050	1.1	1.2	.210	.017	50	78
21-24	1115	1015	--	--	.040	.60	1.4	.080	.010	46	120
24-26	1050	0950	--	--	.030	.50	1.5	.030	.006	57	160
MAR											
07-10	1155	1055	--	--	.020	.40	1.4	.030	< .005	85	180
10-11	1125	1025	160	18	.040	1.2	1.4	.050	.011	89	86
11-12	1125	1125	109	10	.040	1.0	1.1	.080	.020	38	95
12-13	1140	0640	--	--	.020	.60	1.2	.040	.008	48	120
13-14	0740	1040	280	25	.050	1.0	1.2	.100	.009	44	87
14-17	1055	0955	--	--	.030	.70	1.2	.050	.010	38	66
APR											
02-04	1050	0950	--	--	.030	.40	1.3	.030	< .005	56	210
04-05	1125	1325	--	--	.030	.20	1.3	.030	.008	51	170
05-07	1425	1025	--	--	.020	.90	1.1	.070	.008	52	160
07-09	1150	1050	--	--	.040	.40	.89	.030	< .005	50	130
14-15	1055	0555	--	--	.010	.40	.95	.040	< .005	53	160
15-16	0655	0955	102	12	.020	.90	.98	.120	.005	51	110
16-17	1130	1830	348	29	.030	1.8	.88	.110	.005	29	41
17-18	1930	1030	153	14	.030	.60	.84	.090	.010	25	40
18-20	1055	1255	--	--	.020	.70	.92	.040	< .005	41	81
20-21	1355	0955	--	--	.020	1.0	.78	.040	< .005	41	110
21-23	1100	1000	--	--	.030	.70	.89	.040	.008	44	96
MAY											
14-15	1110	2210	--	--	< .010	.22	1.4	.040	< .005	55	230
15-16	2310	1010	--	--	< .010	.45	1.5	.060	< .005	57	240
16-19	1135	1035	--	--	.010	1.0	1.2	.080	.012	54	180
19-20	1140	0440	--	--	.020	.70	1.3	.070	< .005	53	220
20-21	0540	1040	--	--	.020	1.8	.95	.110	.013	42	160
21-23	1200	1100	--	--	< .010	.98	1.8	.080	.006	55	130
23-27	1120	2220	--	--	< .01	.47	1.4	.040	< .005	53	200
MAY 30-											
JUN 01	1130	1930	--	--	.09	.52	1.7	.030	< .005	56	99
01-02	2030	1030	--	--	.03	.90	1.33	.110	.009	54	100
02-04	1050	0950	--	--	.02	.75	1.6	.050	.011	54	220
06-07	1120	1620	--	--	.10	1.3	1.6	.040	< .005	54	220
07-09	1720	1020	--	--	.05	1.2	1.0	.160	.016	48	200

IRONDEQUOIT CREEK MAIN STEM

04232040 IRONDEQUOIT CREEK NEAR PITTSFORD, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986--continued

DATE	TIME	ENDING TIME	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
JUN--continued									
09-11	1130	1030	0.05	0.88	1.2	0.060	0.006	50	220
11-12	1050	0350	.03	.84	1.4	.050	.018	54	240
12-13	0450	0950	.04	3.3	1.2	.080	.030	48	200
13-16	1105	1005	.05	1.1	1.5	.130	.018	45	160
16-16	1040	1740	.02	.72	1.4	.080	.017	51	220
16-18	1840	0940	.03	--	1.4	.200	.025	49	190
18-19	1055	2155	.02	.69	1.3	.100	.018	53	230
19-20	2255	0955	< .01	1.8	1.4	.370	.063	50	200
20-22	1035	2135	.03	1.2	1.5	.260	.019	47	150
22-23	2235	0935	.07	1.5	1.7	.300	.021	49	200
23-25	1100	1000	.02	1.2	1.4	.100	.016	52	230
JUN 30-									
JUL 01	1345	2145	< .01	.60	1.3	.040	.012	55	220
01-03	2245	1245	< .01	1.7	1.1	.090	.017	50	190
11-12	1115	0415	.02	1.1	1.4	.050	.005	52	280
12-13	0515	2215	.04	.96	1.3	.030	.011	52	240
13-14	2315	1015	.04	1.6	1.2	.080	.029	51	200
14-16	1105	1005	< .01	.72	1.5	.030	.017	54	210
AUG									
06-07	1210	1310	.03	.74	1.3	.050	.013	57	230
07-08	1410	1110	.06	3.5	1.1	--	--	25	91
08-10	1230	1730	.03	.92	1.2	.070	.022	44	130
10-11	1830	1130	.05	2.0	1.2	.080	.061	42	140
11-13	1230	1130	.04	.64	.80	.050	.035	41	110
13-15	1220	1120	.07	.64	1.1	.080	.014	50	180
15-17	1220	1420	.08	.63	1.3	.050	.023	54	200
17-18	1520	1120	.12	2.2	1.1	.050	.040	47	190
27-29	1220	1120	< .01	.75	1.4	.044	.006	57	260
15-17	1220	1120	< .01	.70	1.3	.160	.016	53	230
17-19	1140	1040	.28	.70	1.6	.110	.015	55	270
19-20	1200	0200	.04	.45	1.8	.065	.010	56	270
20-22	0300	1100	< .01	.64	1.4	.060	.010	55	260
22-23	1210	0510	< .01	.45	1.3	.050	.009	55	250
23-24	0610	1110	< .01	4.6	1.0	1.130	.071	50	180
24-26	1150	1050	.05	1.1	1.0	--	.017	54	200
26-29	1215	0515	.02	.52	1.1	.180	.016	56	230
29-29	0615	1115	< .01	.79	.97	.120	.032	53	230
SEP 29-									
OCT 01	1240	1040	.04	2.3	.72	--	.050	38	110

IRONDEQUOIT CREEK MAIN STEM
04232040 IRONDEQUOIT CREEK NEAR PITTSFORD, NY--continued
WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	ENDING TIME	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	RESIDUE VOLA- TILE, SUS- PENDE (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
OCT											
01-03	1120	1020	--	--	< 0.01	0.97	0.80	0.050	0.027	48	150
03-04	1325	1525	--	--	.05	1.5	.75	.360	.041	44	130
04-06	1625	1125	--	--	.05	1.3	.63	.200	.044	36	100
06-08	1200	1100	--	--	.05	.71	.87	.080	.033	47	140
08-10	1120	1020	--	--	< .01	.69	.98	.060	.020	51	170
10-13	1155	0255	--	--	< .01	.53	1.2	.040	.010	53	190
13-14	0355	1055	--	--	< .01	1.4	.77	.460	.040	41	130
14-17	1150	1050	--	--	< .01	.10	.78	.120	.025	46	140
17-20	1245	1145	--	--	< .01	1.3	.88	.052	.017	50	150
NOV											
19-20	1125	1825	--	--	.02	.70	1.3	.036	< .005	63	210
20-21	1925	1025	--	--	.04	.88	1.3	.028	< .005	79	210
21-23	1135	1935	--	--	< .01	.78	1.1	.021	.005	65	190
23-24	2035	1035	--	--	< .01	.98	1.1	.031	< .005	57	170
24-26	1335	1035	--	--	.01	.83	.87	.050	.006	48	140
26-28	1220	1020	--	--	< .01	1.6	.75	.350	.037	38	110
NOV 28-											
DEC 01	1120	1020	--	--	< .01	.56	1.2	.080	.035	46	150
01-02	1130	1030	--	--	.62	--	1.1	.060	< .005	50	180
02-03	1130	1030	139	24	< .01	1.1	.83	.240	.036	61	99
03-05	1145	1045	90	10	< .01	.97	.77	.168	.020	35	61
05-07	1135	1635	--	--	< .01	.13	1.1	.035	.010	45	130
07-08	1735	1035	--	--	< .01	.53	1.2	.075	.010	49	130
08-09	1120	1020	--	--	.02	.59	.90	.520	.020	43	92
09-10	1120	1120	--	--	< .01	.85	.92	.180	.020	54	92
10-12	1230	1130	--	--	.04	.87	1.3	.070	.013	40	100
17-18	1115	0215	--	--	.07	.57	1.3	.105	.006	52	150
18-19	0315	1015	--	--	< .01	.67	1.3	.030	.008	53	150
24-24	1140	1640	--	--	.04	.52	1.7	.040	.006	49	160
24-26	1740	1040	--	--	< .01	.99	1.2	.060	.012	46	120
JAN											
05-07	1250	1050	--	--	< .01	.57	1.4	.030	< .005	54	190
14-14	1125	1825	--	--	< .01	.81	1.3	.040	< .005	60	160
14-16	1925	1025	--	--	< .01	.87	1.3	.130	.012	56	110
16-20	1200	1100	--	--	< .01	.67	1.2	.060	.007	200	140
FEB											
25...	1150	--	--	--	< .01	.42	1.4	.015	< .005	59	220
27-28	1300	2400	--	--	< .01	.87	1.3	.040	< .005	60	200
MAR											
01-02	0100	1100	--	--	.07	< .50	1.2	.220	.019	50	90

IRONDEQUOIT CREEK MAIN STEM

04232040 IRONDEQUOIT CREEK NEAR PITTSFORD, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987--continued

DATE	TIME	ENDING TIME	TUR- BID- ITY (NTU)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN,AM- DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHOS, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
MAR--continued												
02-04	1200	1100	--	--	--	0.11	1.2	2.0	0.130	0.006	36	87
04-06	1150	1050	--	--	--	< .01	.71	1.5	.050	.004	49	140
06-07	1130	1330	--	--	--	< .01	.31	1.1	.110	.005	44	120
07-09	1430	1030	--	--	--	< .01	.61	1.1	.115	.005	33	130
09-11	1110	1110	--	--	--	< .01	.63	.97	.025	.007	43	130
25-25	1055	1555	1.9	--	--	.01	.86	1.3	.035	< .005	53	190
25-27	1655	0955	4.4	--	--	.01	.91	1.1	.050	< .005	56	170
30-31	1220	0720	7.6	--	--	< .01	.63	1.1	.035	< .005	53	170
MAR 31-												
APR 01	0820	1120	60	121	11	.03	1.1	.98	.200	.007	60	120
01-03	1125	1025	38	76	8	.02	.95	.90	.080	.005	49	82
03-04	1230	0530	8.3	--	--	.02	.81	1.1	.065	.005	45	110
04-06	0630	1130	120	398	28	.03	1.6	.89	.360	.011	41	62
06-08	1320	1120	80	134	11	< .01	1.4	.86	.170	.010	33	50
08-10	1225	1125	12	--	--	< .01	.84	.90	.070	.005	45	120
10-12	1210	1410	3.5	--	--	< .01	.68	.86	.035	< .005	50	150
12-13	1510	1110	32	88	9	< .01	.84	.99	.075	.008	50	170
13-16	1145	1045	20	--	--	.01	.53	.80	.073	.005	44	100
27-27	1145	2245	3.8	--	--	< .01	.68	.99	.046	< .005	51	170
27-29	2345	1045	80	198	27	< .01	1.5	.69	.102	.006	42	89
MAY												
13-14	1140	2240	5.3	--	--	.02	.38	1.4	.065	< .005	55	240
14-15	2340	1040	21	--	--	.02	.65	1.4	.115	< .005	51	210
22-23	1105	1005	170	300	37	.06	1.7	1.2	1.070	.015	52	180
JUN												
22-25	1320	0420	6.5	--	--	.02	1.4	1.1	.115	.025	50	170
25-26	0520	1220	36	--	--	.03	1.1	1.3	.170	.015	57	230
26-29	1325	1025	25	--	--	.03	1.1	1.2	.270	.020	58	230
JUL												
06-06	1150	1850	22	--	--	< .01	.76	1.3	.130	.020	57	250
06-07	1950	1650	100	51	7	< .01	1.2	.96	.175	.025	48	220
07-08	1750	1050	490	--	--	< .01	2.4	.88	.735	.040	46	150
08-10	1130	1030	50	87	18	.04	2.0	.97	.250	.025	--	150
13-14	1100	1000	24	--	--	.03	.87	1.2	.150	.015	58	250
14-15	1100	1000	48	86	13	.04	1.2	1.1	.305	.020	53	230
17-20	1100	0100	17	--	--	.05	.64	1.2	.065	.015	57	270
20-20	0200	1000	--	--	--	--	--	--	--	--	--	--
20-23	1040	0940	21	--	--	< .01	.71	1.1	.095	.015	53	--
29-30	1125	0825	4.7	--	--	.02	.49	1.2	.075	.010	61	290
30-31	0925	1025	18	--	--	.02	.54	1.2	.075	.010	57	250
JUL 31-												
AUG 02	1130	1930	2.8	--	--	--	.66	1.2	.040	.010	56	250
02-03	2030	1030	15	--	--	--	.69	1.2	.080	.010	54	250
03-04	1100	1800	--	16	7	--	.80	1.2	.100	.040	54	250
04-07	1900	1000	38	90	13	--	.71	1.2	.155	.095	52	250
07-09	1125	1025	6.6	--	--	--	< .25	1.2	.045	.010	57	250

IRONDEQUOIT CREEK MAIN STEM
04232040 IRONDEQUOIT CREEK NEAR PITTSFORD, NY--continued
WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987--continued

DATE	TIME	ENDING TIME	TUR- BID- ITY (NTU)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN,AM- MONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHOS, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
AUG--continued												
09-10	1125	0925	75	184	30	--	1.0	0.97	0.265	0.020	48	200
10-12	1020	1120	13	--	--	--	.55	.98	.135	.015	55	210
19-19	1210	1910	4.4	--	--	--	.78	1.2	.060	.020	59	270
19-21	2010	1110	33	--	--	--	1.0	1.1	.190	.025	55	260
SEP												
11-12	1130	1030	7.8	--	--	< 0.01	.55	1.2	.065	.010	55	260
12-15	1130	1030	17	--	--	< .01	.57	1.0	.065	.010	54	260
18-21	1130	1030	34	95	18	.025	1.1	.85	.220	.020	54	190
25-27	1115	2215	16	--	--	< .01	.94	1.1	.070	.010	56	240
27-28	2315	1015	22	--	--	.02	.74	1.1	.065	.010	54	250
28-29	1120	1820	5.4	--	--	.01	.51	1.0	.060	.016	57	250
SEP 29-												
OCT 02	1920	1020	31	--	--	.015	1.1	.69	.135	.018	52	200

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	TIME	ENDING TIME	TUR- BID- ITY (NTU)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN,AM- MONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHOS, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
NOV												
17...	1052	--	--	--	--	0.08	--	--	< 0.010	< 0.010	--	--
17...	1053	--	--	--	--	.08	--	--	< .010	< .010	--	--
17...	1054	--	--	--	--	.08	--	--	< .010	< .010	--	--
17...	1055	--	--	--	--	.09	--	--	.010	< .010	--	--
17...	1056	--	--	--	--	.08	--	--	.020	< .010	--	--
17...	1057	--	--	--	--	.09	--	--	.020	.020	--	--
17...	1058	--	--	--	--	.07	--	--	.020	.010	--	--
17...	1059	--	--	--	--	.08	--	--	.020	.010	--	--
17...	1152	--	--	--	--	.01	--	--	--	.007	--	--
17...	1153	--	--	--	--	.01	--	--	--	.006	--	--
17...	1154	--	--	--	--	.01	--	--	--	.007	--	--
17...	1155	--	--	--	--	.01	--	--	--	.006	--	--
17...	1156	--	--	--	--	.01	--	--	--	.010	--	--
17...	1157	--	--	--	--	.01	--	--	--	.012	--	--
17...	1158	--	--	--	--	.01	--	--	--	.012	--	--
17...	1159	--	--	--	--	.01	--	--	--	.013	--	--
20-22	1115	0715	1.7	--	--	.02	1.1	1.1	.065	.004	58	260
22-23	0815	1015	2.6	--	--	.02	1.2	1.2	.040	.004	61	270
27-29	1100	0100	1.4	--	--	.04	.30	1.1	.020	.007	57	230
29-30	0200	1000	65	168	28	.02	1.3	.87	.300	.013	71	180
DEC												
18-20	1110	0110	--	--	--	.02	.38	1.2	.040	.013	74	190
20-21	0210	1010	--	--	--	.03	.96	1.1	.230	.017	74	140
21-24	1055	0955	--	--	--	.020	.55	1.0	.080	.013	54	170

IRONDEQUOIT CREEK MAIN STEM
04232040 IRONDEQUOIT CREEK NEAR PITTSFORD, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988--continued

DATE	TIME	ENDING TIME	TUR- BID- ITY (NTU)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN,AM- MONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
JAN												
12...	1600	--	1.4	--	--	0.02	0.28	1.5	0.035	0.006	57	160
13...	1430	--	1.7	--	--	.03	.33	1.5	.045	.007	68	250
15...	1600	--	1.9	--	--	.02	.38	1.5	.050	.003	60	250
16-17	1600	2400	2.0	--	--	.02	.29	1.4	.030	.004	61	240
18-19	0100	1100	7.5	--	--	.03	.46	1.2	.155	.005	75	210
19-20	1120	0120	5.0	--	--	.13	.47	1.0	.070	.010	70	170
20-22	0220	1020	36	--	--	.02	.84	.89	.770	.019	56	130
29-30	1110	1010	4.2	--	--	< .01	.35	1.3	.105	.004	59	240
JAN 30												
FEB 01	1110	1010	5.0	--	--	< .01	.50	1.1	.095	.003	56	220
01-05	1040	0940	5.4	--	--	< .01	.45	.97	.040	.005	63	170
05-08	1210	1110	2.8	--	--	.01	.32	1.1	.030	.003	59	220
11-15	1110	0410	1.4	--	--	< .01	.30	1.2	.020	.002	92	200
15-16	0510	1010	13	--	--	.01	.56	1.1	.060	.006	110	170
16-19	1725	1025	13	--	--	< .01	.46	.91	.045	.005	130	120
19-22	1100	1000	16	--	--	< .01	.46	.96	.060	.006	100	130
22-26	1310	1210	3.6	--	--	< .01	.38	.94	.040	.003	62	150
FEB 29-												
MAR 03	1420	1220	1.5	--	--	.01	.25	1.0	.025	.003	60	47
24-25	1400	1700	3.2	--	--	< .01	.33	1.0	.030	.003	62	200
25-28	1800	1300	110	253	37	< .01	1.8	.70	.470	.010	55	110
28-31	1415	1315	3.8	--	--	< .01	.42	.68	.045	.003	56	150
MAR 31-												
APR 03	1330	1630	13	--	--	.02	.44	.85	.065	.005	56	190
03-04	1730	1230	310	639	82	.02	1.6	.58	.830	.014	44	95
05...	1510	--	32	73	12	.01	.76	.65	.090	.009	43	110
06-07	0950	1150	33	95	18	.04	1.2	.68	.155	.004	45	140
28-29	1205	1505	2.5	--	--	< .01	.45	.93	.045	.005	61	220
APR 29-												
MAY 02	1605	1105	6.6	--	--	< .01	.68	.71	.070	.004	54	170
16-16	1210	2310	95	267	50	.08	1.8	.81	.345	.010	52	190
17-19	0010	1210	85	215	39	.02	2.0	.62	.265	.007	41	120
19-20	1330	2030	4.0	--	--	.05	.82	.66	.075	.009	51	160
20-23	2130	1130	--	--	--	.03	1.4	.73	.180	.012	34	94
23-27	1210	1200	13	--	--	.01	.72	.74	.130	.007	51	180
JUL												
14...	1435	--	4.6	--	--	.42	.46	1.1	.160	.017	74	310
14-17	1500	0600	15	--	--	.04	.51	.97	.005	.013	59	280
17-18	0700	1200	100	280	44	.02	1.8	.82	.295	.022	50	240
18-21	1310	0010	10	--	--	.08	.66	.72	.110	.017	53	220
21-21	0110	1210	25	--	--	.08	1.1	.97	.280	.028	55	250
21...	1250	--	42	121	29	.04	1.0	.92	.260	.027	55	220
21-23	1310	1210	6.7	--	--	.05	1.2	.91	.160	.022	57	140
23-25	1310	1210	33	508	--	.08	2.4	1.2	.690	.026	37	130
25-28	1235	1135	37	53	10	.02	.98	.11	.100	.019	49	200
28...	1235	--	17	--	--	.03	1.0	.77	.065	.018	52	250
28...	1240	--	23	--	--	.02	.64	.10	.120	.016	54	250

IRONDEQUOIT CREEK MAIN STEM

04232040 IRONDEQUOIT CREEK NEAR PITTSFORD, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988--continued

DATE	TIME	ENDING TIME	TUR- BID- ITY (NTU)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN,AM- DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
AUG												
11...	1210	--	1.6	--	--	< 0.01	0.51	1.2	0.035	0.007	61	290
11...	1215	--	3.0	--	--	< .01	.54	1.1	.030	.007	62	290
22-23	1150	1650	1.9	--	--	.05	.36	1.3	.035	.010	63	330
23-25	1750	1050	12	--	--	.05	.96	1.1	.050	.019	55	300
25...	1200	--	3.2	--	--	.04	.38	1.2	.055	.014	59	320
25-28	1230	0330	6.4	--	--	.06	.37	.87	.065	.010	59	280
28-29	0400	1130	25	--	--	.06	.74	.88	.055	.012	55	260
AUG 29-												
SEP 02	1230	1130	7.3	--	--	.04	.64	.96	.055	.011	62	240
02-04	1230	0330	4.2	--	--	.02	.65	1.1	.045	.006	71	270
04-05	0430	0330	7.8	--	--	.02	.64	1.1	.065	.008	59	260
05-06	0430	1130	9.4	--	--	.03	.70	1.0	.035	.010	60	260
06-08	1230	1130	3.3	--	--	.01	.41	1.0	.035	.007	66	260
15...	1220	--	1.6	--	--	.01	.30	1.2	.035	.007	64	300
15-17	1235	0335	1.5	--	--	.02	.46	1.2	.035	.005	73	290
17-19	0435	1135	3.3	--	--	.01	.42	1.1	.065	.007	60	280
22-23	1200	0300	3.7	--	--	.03	.40	1.1	.035	.005	59	270
23-26	0400	1100	7.1	--	--	.03	.61	.93	.050	.009	58	250

STREAMS TRIBUTARY TO IRONDEQUOIT CREEK

04232046 THOMAS CREEK AT FAIRPORT, NY

LOCATION.--Lat 43°06'22", long 77°27'44", Monroe County, Hydrologic Unit 04140101, on right bank 48 ft upstream from culvert on Foreman Center Road, 0.5 mi northwest of Fairport, and 0.8 mi upstream from mouth.

DRAINAGE AREA.--28.5 mi², flow from 0.86 mi² noncontributing.

PERIOD OF RECORD.--March 1980 to current year.

REVISED RECORDS.--WDR NY-81-3: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 403 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records rated fair to poor. Discharge subsequent to July 20, 1983 includes undetermined diversion (maximum 8 ft³/s from July 20, 1983 through Sept. 30, 1984 and 25 ft³/s thereafter) from Erie (Barge) Canal upstream from station. Several measurements of water temperature were made during each year.

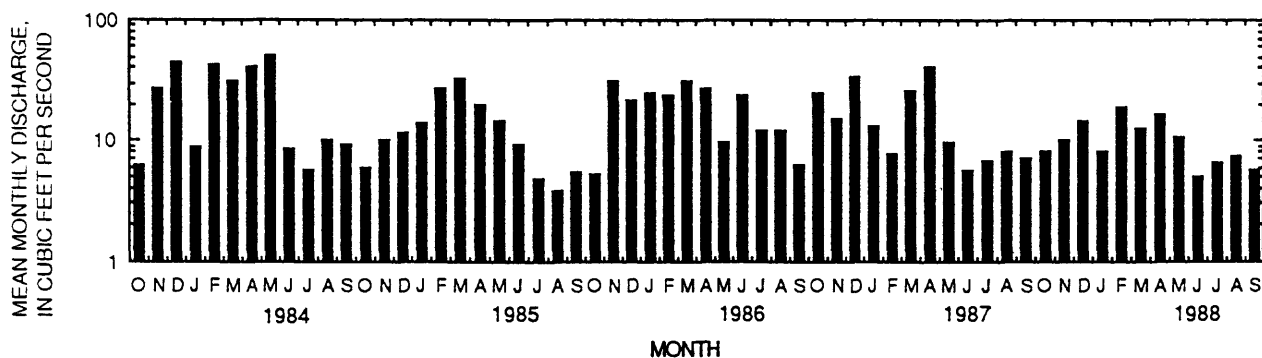
COOPERATION.--Streamflow measurements were obtained and recorder equipment maintained by Monroe County Environmental Health Laboratory, Rochester, N.Y.

AVERAGE DISCHARGE.--9 years (water years 1981-89), 16.1 ft³/s, 7.92 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 232 ft³/s, Feb. 15, 1984, gage height, 2.71 ft; maximum gage height, 3.62 ft, Jan. 12, 1982 (ice jam); minimum discharge, 1.2 ft³/s, Sept. 12, 1989; minimum gage height, 1.22 ft, June 7, 8, 13, 1981.

EXTREMES FOR WATER YEARS 1984-88.--Peak discharges greater than base discharge of 140 ft³/s and annual maximum (*), and minimum:

Water year	Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Minimum discharge (ft ³ /s)	Gage height (ft)
1984	Dec. 15	0015	177	2.47	Mar. 22	0630	166	2.42	Aug. 10	2.7	1.38
	Feb. 14	1915	debris jam	*2.81	May 29	2145	193	2.54			
	Feb. 15	0030	*232	2.71							
1985	Feb. 24	1745	*181	*2.49					July 25, 26, Aug. 19	2.4	1.34
1986	Jan. 21	0045	*208	*2.62					Sept. 8-11, 15	2.4	1.34
1987	Feb. 16	0715	ice jam	*2.43	Apr. 5	1030	*120	2.20	June 20	2.4	1.34
1988	Dec. 30	1845	ice jam	*2.58	Apr. 4	1945	*107	2.11	Jan. 11	2.7	1.35



STREAMS TRIBUTARY TO IRONDEQUOIT CREEK

04232046 THOMAS CREEK AT FAIRPORT, NY--continued

RECORD QUALITY.--Poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.2	5.4	27	e11	e9.6	e7.4	e65	e17	e30	8.4	3.2	7.6
2	4.2	5.9	20	e8.8	e10	e7.4	e74	e14	e15	8.2	4.4	8.5
3	4.2	9.4	17	8.5	e11	e7.0	e62	e13	e13	7.9	3.5	11
4	5.2	15	16	e8.6	12	e6.8	e44	e67	e10	8.4	3.2	8.3
5	8.5	24	17	e8.8	16	e7.8	e61	e107	e8.7	17	3.1	7.9
6	8.2	23	41	e9.0	e15	e11	e86	e86	e8.1	9.7	3.1	7.2
7	5.3	16	77	e8.8	e13	e9.6	e78	e46	e7.4	7.6	5.4	6.7
8	5.3	13	80	e8.6	e11	e8.6	e52	e35	e6.9	6.2	3.5	6.4
9	5.4	13	48	e8.2	e11	e8.8	e35	e49	e6.2	5.9	3.2	6.4
10	4.7	16	29	e8.0	e12	e9.2	e26	e43	e5.8	6.3	3.0	6.4
11	4.4	53	24	e7.6	19	e9.0	e21	e25	e5.0	6.5	3.5	19
12	4.8	64	43	e7.2	51	e8.4	e18	e34	e4.6	5.9	12	18
13	8.3	53	95	e8.0	106	e8.4	e17	e48	e4.8	5.5	11	15
14	13	32	161	e8.8	188	e8.8	e16	e71	e5.2	4.9	20	21
15	6.2	31	153	e8.4	219	e9.4	e25	e75	e5.0	4.4	26	16
16	4.7	47	104	e8.0	152	e15	e36	e49	e5.4	4.2	21	14
17	4.6	57	72	e8.4	97	34	e45	e34	5.4	4.1	21	11
18	4.4	51	48	e9.2	65	38	e39	e25	8.5	5.4	13	9.0
19	4.2	38	e35	e8.6	48	27	e27	e22	10	4.1	13	8.0
20	4.3	28	e30	e7.4	41	28	e25	e23	7.0	3.8	11	7.4
21	4.6	25	e30	e6.8	34	86	e22	e23	6.5	3.8	7.6	6.6
22	4.6	22	e32	e7.6	25	149	e17	e25	6.6	3.8	10	6.4
23	10	20	e30	e8.4	21	93	e14	e55	7.2	3.6	21	6.3
24	8.4	17	e27	e10	18	e70	e24	e77	9.9	3.6	13	6.2
25	7.5	16	e25	e12	15	e56	e81	e62	8.6	3.3	9.7	6.1
26	5.7	14	e23	e12	14	e47	e80	e36	8.1	3.5	7.9	9.9
27	12	12	e21	e11	e11	e41	e46	e22	7.8	7.4	7.0	7.1
28	7.5	18	e18	e11	e8.6	e36	e28	e38	7.8	4.9	10	6.9
29	6.1	33	e17	e10	e7.8	e39	e24	e172	8.5	4.2	19	6.4
30	5.6	36	e16	e10	---	e46	e21	e147	8.4	4.0	11	6.4
31	5.4	---	e14	e10	---	e48	---	e60	---	3.6	9.0	---
TOTAL	191.5	807.7	1390	278.7	1261.0	980.6	1209	1600	251.4	180.1	312.3	283.1
MEAN	6.18	26.9	44.8	8.99	43.5	31.6	40.3	51.6	8.38	5.81	10.1	9.44
MAX	13	64	161	12	219	149	86	172	30	17	26	21
MIN	4.2	5.4	14	6.8	7.8	6.8	14	13	4.6	3.3	3.0	6.1
CFSM	.22	.98	1.62	.33	1.58	1.15	1.46	1.87	.30	.21	.37	.34
IN.	.26	1.09	1.87	.38	1.70	1.32	1.63	2.16	.34	.24	.42	.38
CAL YR 1983	TOTAL	7235.3	MEAN	19.8	MAX	161	MIN	2.5	CFSM	.72	IN.	9.75
WTR YR 1984	TOTAL	8745.4	MEAN	23.9	MAX	219	MIN	3.0	CFSM	.87	IN.	11.79

e Estimated

STREAMS TRIBUTARY TO IRONDEQUOIT CREEK

04232046 THOMAS CREEK AT FAIRPORT, NY--continued

RECORD QUALITY.--Fair except for Oct. 1 to Nov. 25, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.5	5.9	7.0	57	6.5	42	69	8.3	14	6.8	4.3	4.0
2	7.2	6.8	4.3	67	e5.8	36	63	8.3	9.1	6.4	4.0	3.4
3	6.4	6.2	5.6	49	e5.4	e30	38	8.3	7.3	6.4	3.6	3.2
4	6.3	7.9	4.8	e27	e5.0	e23	33	8.3	6.4	7.0	3.3	3.1
5	5.8	14	4.2	19	e5.6	e24	34	8.7	7.7	6.2	3.1	12
6	5.4	11	e3.8	15	e5.6	e32	32	16	6.8	7.1	3.1	7.7
7	5.4	8.4	e3.6	13	e5.0	e37	25	18	5.4	6.8	3.1	4.8
8	5.4	7.1	e3.5	e12	e4.4	54	19	31	5.5	5.4	3.2	7.5
9	5.4	7.1	3.8	e11	e4.4	80	17	47	5.5	5.7	3.1	7.4
10	5.4	11	4.6	e10	e5.8	73	15	50	5.5	5.6	3.0	14
11	5.4	14	6.4	e10	e7.4	56	13	47	5.4	5.4	3.2	8.5
12	5.6	11	7.1	e9.8	e9.8	59	13	39	19	6.4	3.4	5.6
13	5.9	10	8.9	9.2	e12	74	11	34	21	5.2	3.5	4.9
14	5.8	9.8	9.3	9.4	e11	60	10	29	17	4.8	3.5	4.2
15	5.4	9.1	9.0	e9.2	e11	40	9.5	16	17	5.8	5.2	4.2
16	5.4	9.4	7.6	e8.6	e11	30	9.1	4.1	15	5.1	4.0	4.1
17	5.1	8.5	6.8	e8.0	e9.8	24	8.0	4.2	15	4.3	3.1	3.9
18	6.0	7.8	5.8	e7.6	e10	22	7.8	4.3	11	3.9	2.8	3.8
19	5.6	7.5	5.6	e6.8	e8.8	18	21	4.7	8.5	3.6	2.7	3.8
20	6.3	7.4	6.2	e6.4	e9.2	18	32	4.4	7.1	3.5	2.7	3.8
21	6.7	7.1	6.0	e5.8	e9.2	16	23	7.7	6.4	3.3	3.1	3.7
22	8.2	6.9	15	e5.6	18	14	16	5.6	6.4	3.2	3.1	3.7
23	6.5	6.9	14	e5.8	64	13	12	4.2	6.4	3.1	3.1	3.4
24	6.4	6.6	11	e6.2	143	14	10	4.0	6.4	3.1	3.4	3.9
25	6.1	6.4	e8.6	e6.6	151	13	9.8	3.6	6.4	2.9	5.0	3.9
26	7.1	17	e8.0	e6.6	96	12	9.8	3.7	6.4	3.9	5.6	3.5
27	6.4	25	e7.4	e8.0	71	11	9.4	4.6	6.4	4.6	6.0	9.2
28	6.4	21	9.8	e9.4	e56	18	9.1	4.9	6.5	4.0	4.2	6.4
29	6.7	17	36	e8.6	---	21	9.0	4.3	11	3.7	4.2	5.0
30	6.4	7.2	72	7.1	---	20	8.4	4.2	7.8	3.5	4.3	4.3
31	6.4	---	58	e8.2	---	30	---	11	---	3.9	6.1	---
TOTAL	189.0	301.0	363.7	442.9	761.7	1014	595.9	448.4	279.3	150.6	116.0	160.9
MEAN	6.10	10.0	11.7	14.3	27.2	32.7	19.9	14.5	9.31	4.86	3.74	5.36
MAX	8.2	25	72	67	151	80	69	50	21	7.1	6.1	14
MIN	5.1	5.9	3.5	5.6	4.4	11	7.8	3.6	5.4	2.9	2.7	3.1
CFSM	.22	.36	.43	.52	.99	1.19	.72	.52	.34	.18	.14	.19
IN.	.25	.41	.49	.60	1.03	1.37	.80	.60	.38	.20	.16	.22
CAL YR 1984	TOTAL	7209.9	MEAN	19.7	MAX	219	MIN	3.0	CFSM	.71	IN.	9.72
WTR YR 1985	TOTAL	4823.4	MEAN	13.2	MAX	151	MIN	2.7	CFSM	.48	IN.	6.50

e Estimated

STREAMS TRIBUTARY TO IRONDEQUOIT CREEK

04232046 THOMAS CREEK AT FAIRPORT, NY--continued

RECORD QUALITY.--Fair.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.4	3.3	46	e7.4	e17	e10	7.2	11	6.2	11	13	4.8
2	4.1	3.1	62	e7.0	e22	e9.8	7.4	10	11	29	12	4.3
3	3.9	3.3	56	e6.4	e21	e10	7.0	9.2	8.5	22	12	4.3
4	3.9	17	40	e6.2	e17	15	8.3	8.3	5.3	18	14	3.9
5	6.9	66	29	e6.0	e30	16	13	8.6	7.3	13	11	3.9
6	5.1	77	26	e6.0	e24	21	38	8.9	8.1	11	8.9	3.9
7	4.5	48	23	e5.8	e18	e18	39	9.3	21	11	12	3.3
8	4.0	22	20	e5.6	e14	e17	29	9.1	42	11	18	2.7
9	3.9	17	19	e6.2	e10	e15	25	8.7	34	9.6	15	2.4
10	4.1	35	18	e7.4	e11	e26	25	9.3	20	9.2	16	2.4
11	4.1	44	23	e6.0	e9.8	e70	28	9.0	12	8.3	44	2.9
12	3.6	33	30	e6.0	e9.4	67	28	8.0	28	13	26	3.1
13	5.4	35	33	e5.8	e9.0	60	24	6.9	44	11	16	3.4
14	4.7	39	e31	e5.6	e8.4	94	18	6.2	55	13	12	3.2
15	7.1	44	e26	e5.8	e7.4	89	30	5.5	41	10	9.1	4.1
16	6.0	43	e22	e6.2	e6.6	70	59	6.1	27	7.9	26	6.6
17	5.0	50	e18	e6.0	e7.2	51	106	5.4	22	7.4	20	5.9
18	4.5	42	e16	e6.0	e15	38	81	4.6	17	10	13	4.5
19	13	25	e13	e21	39	34	47	4.3	16	17	11	3.6
20	8.9	18	e12	141	62	35	34	29	46	20	8.5	4.3
21	5.9	16	e11	159	e78	26	33	31	66	17	7.1	4.4
22	4.7	16	e11	88	e68	20	29	22	49	12	7.3	4.0
23	4.0	19	e10	60	52	19	21	16	32	11	7.4	18
24	7.2	19	e10	e50	e34	18	17	13	21	9.6	8.2	9.3
25	7.6	17	e9.8	e32	e26	17	14	11	15	9.2	7.0	7.4
26	5.2	19	e9.0	24	e24	16	12	9.0	12	8.5	6.3	6.8
27	4.6	39	e8.4	e23	e18	16	12	7.2	12	8.7	6.3	6.3
28	3.9	50	e7.8	e21	e12	16	12	6.1	13	8.2	5.8	5.3
29	3.6	40	e7.6	e19	---	15	11	4.8	16	8.1	5.6	20
30	3.5	34	e7.4	e17	---	12	10	3.9	14	19	5.3	29
31	3.4	---	e7.4	e16	---	8.3	---	3.8	---	15	4.9	---
TOTAL	160.7	933.7	662.4	782.4	669.8	949.1	824.9	305.2	721.4	388.7	388.7	188.0
MEAN	5.18	31.1	21.4	25.2	23.9	30.6	27.5	9.85	24.0	12.5	12.5	6.27
MAX	13	77	62	159	78	94	106	31	66	29	44	29
MIN	3.4	3.1	7.4	5.6	6.6	8.3	7.0	3.8	5.3	7.4	4.9	2.4
CFSM	.19	1.13	.77	.91	.87	1.11	1.00	.36	.87	.45	.45	.23
IN.	.22	1.26	.89	1.05	.90	1.28	1.11	.41	.97	.52	.52	.25
CAL YR 1985	TOTAL	5726.5	MEAN	15.7	MAX	151	MIN	2.7	CFSM	.57	IN.	7.72
WTR YR 1986	TOTAL	6975.0	MEAN	19.1	MAX	159	MIN	2.4	CFSM	.69	IN.	9.40

e Estimated

STREAMS TRIBUTARY TO IRONDEQUOIT CREEK

04232046 THOMAS CREEK AT FAIRPORT, NY--continued

RECORD QUALITY.--Fair.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39	12	21	14	e4.0	e42	68	29	5.3	5.0	8.5	6.2
2	36	16	34	13	e6.0	91	64	e24	6.6	6.1	8.7	6.1
3	45	14	e82	e10	e11	76	58	e19	5.3	6.3	11	6.1
4	68	14	e90	e10	e9.4	e56	71	e14	5.3	5.7	8.9	5.8
5	64	12	66	e10	e8.0	e36	102	e11	4.9	4.3	9.3	5.8
6	53	12	46	e10	e9.4	e24	82	e8.1	4.8	11	8.6	5.3
7	36	12	37	e12	e11	48	79	e6.3	6.8	14	7.9	4.8
8	23	11	41	e12	e12	61	52	e6.8	7.3	14	7.4	5.9
9	17	12	52	e12	e11	55	49	e6.3	6.6	9.5	22	7.4
10	15	10	66	e11	e10	e27	38	e6.3	5.6	5.4	17	5.9
11	13	9.8	63	e11	e9.4	e19	31	e5.8	4.8	4.8	13	5.8
12	12	11	39	e11	e8.8	e13	30	e5.8	5.5	3.8	11	7.4
13	33	10	e22	e10	e8.4	16	45	e6.3	12	4.5	7.9	7.2
14	42	9.6	e19	e12	e8.0	15	45	e12	9.4	6.5	6.7	5.9
15	42	8.7	18	31	e7.6	14	36	e9.4	7.3	7.0	6.3	5.8
16	28	7.8	18	52	e7.4	13	28	e9.4	5.4	5.7	6.3	5.8
17	22	7.4	17	e40	e7.2	11	24	e8.7	4.1	4.5	6.3	10
18	20	7.4	23	e24	e7.0	9.9	22	e8.1	3.2	3.6	6.3	14
19	19	8.1	26	e14	e6.8	9.5	20	e7.4	2.8	2.9	6.5	11
20	17	8.7	25	e15	e6.6	9.0	16	e6.3	2.7	5.3	7.1	11
21	15	8.4	21	e13	e6.8	7.5	15	e6.3	2.7	4.5	6.8	9.0
22	13	8.1	17	e10	e7.0	6.1	13	e10	4.9	3.4	6.4	8.5
23	12	8.1	15	e10	e7.0	5.8	16	13	6.1	4.7	6.0	7.4
24	12	14	16	e8.0	e6.6	5.8	24	11	5.4	8.3	5.8	6.3
25	12	18	36	e6.2	e6.2	10	24	9.7	4.9	8.8	5.8	6.0
26	12	32	42	e5.4	e5.8	23	20	9.9	6.0	8.1	5.8	5.8
27	12	49	30	e4.8	e5.6	20	17	11	6.5	8.1	6.7	5.8
28	14	50	24	e4.5	e6.0	20	58	8.1	5.3	8.1	7.0	5.8
29	13	36	21	e4.3	---	16	65	6.4	5.1	8.1	8.6	6.1
30	13	25	18	e4.2	---	16	43	5.9	5.3	10	6.6	12
31	12	---	17	e4.1	---	40	---	5.8	---	9.2	6.3	---
TOTAL	784	462.1	1062	408.5	220.0	815.6	1255	307.1	167.9	211.2	258.5	215.9
MEAN	25.3	15.4	34.3	13.2	7.86	26.3	41.8	9.91	5.60	6.81	8.34	7.20
MAX	68	50	90	52	12	91	102	29	12	14	22	14
MIN	12	7.4	15	4.1	4.0	5.8	13	5.8	2.7	2.9	5.8	4.8
CFSM	.92	.56	1.24	.48	.28	.95	1.52	.36	.20	.25	.30	.26
IN.	1.06	.62	1.43	.55	.30	1.10	1.69	.41	.23	.28	.35	.29
CAL YR 1986	TOTAL	7526.3	MEAN	20.6	MAX	159	MIN	2.4	CFSM	.75	IN.	10.14
WTR YR 1987	TOTAL	6167.8	MEAN	16.9	MAX	102	MIN	2.7	CFSM	.61	IN.	8.31

e Estimated

STREAMS TRIBUTARY TO IRONDEQUOIT CREEK

04232046 THOMAS CREEK AT FAIRPORT, NY--continued

RECORD QUALITY.--Fair.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	6.8	32	e5.9	e14	e8.0	9.5	13	6.6	4.6	5.1	5.9
2	14	6.8	16	e5.4	e19	e8.5	9.5	10	7.0	4.5	4.9	5.4
3	14	6.8	13	e5.0	22	10	20	9.4	5.8	4.4	4.9	5.3
4	11	6.8	13	e4.4	14	9.6	87	10	5.7	4.3	5.0	8.4
5	7.5	6.9	13	e4.2	e12	13	86	10	5.1	4.1	5.0	7.5
6	6.8	6.5	12	e4.0	e10	12	44	10	4.8	4.2	5.2	6.0
7	7.4	6.3	10	e3.5	e9.0	8.9	20	10	5.3	4.3	5.3	5.4
8	7.0	6.3	9.6	e3.3	e8.5	9.4	17	10	5.3	4.3	5.0	5.0
9	6.3	11	9.8	e3.1	e8.0	9.5	15	11	5.0	4.3	5.0	5.0
10	6.4	7.7	10	e3.0	e7.5	9.5	14	12	4.8	4.4	4.8	4.9
11	14	7.1	11	e2.8	e7.0	9.5	12	12	4.8	4.4	5.0	4.8
12	9.9	6.8	9.0	e2.8	e6.6	9.5	10	12	4.4	4.6	5.0	4.6
13	7.1	7.0	7.6	e2.9	e6.1	9.0	8.9	12	4.3	4.5	4.8	5.1
14	6.3	14	6.4	e3.1	e6.0	8.7	8.8	11	4.3	8.0	4.8	4.7
15	6.1	9.1	9.5	e3.0	e20	7.5	8.8	11	4.1	5.9	4.8	4.3
16	5.3	6.8	13	e2.8	e50	6.8	9.1	13	4.0	4.3	4.8	4.3
17	5.3	6.3	13	e5.7	e40	6.3	8.7	14	4.2	22	5.7	10
18	5.3	7.9	12	e11	31	6.2	8.4	11	4.2	11	5.3	6.9
19	5.3	6.3	10	23	31	6.1	7.7	15	4.3	7.1	5.0	4.9
20	5.4	6.4	30	28	27	5.8	6.9	16	4.3	5.9	4.9	5.0
21	7.0	6.3	51	32	e60	e5.4	7.2	16	4.4	11	4.8	4.8
22	7.5	6.3	44	23	e50	e4.8	7.5	14	5.8	7.9	4.8	4.8
23	7.5	6.3	19	16	e18	5.0	8.3	12	10	8.2	9.0	11
24	7.1	6.3	14	9.0	e19	6.5	8.9	9.5	5.1	13	10	6.2
25	7.9	7.2	12	8.0	e13	11	7.7	8.6	4.8	8.7	8.6	5.3
26	6.6	10	11	e7.5	e12	52	6.3	7.7	4.9	6.8	8.7	5.0
27	6.5	8.4	9.2	e7.0	e10	62	6.5	7.4	4.5	6.7	5.6	4.8
28	7.4	7.6	8.4	e6.4	e9.6	36	7.3	6.9	4.7	5.8	12	4.8
29	6.9	40	e7.7	e6.0	e8.9	17	11	6.9	5.1	5.4	39	4.4
30	6.3	62	e7.0	e7.0	---	13	15	6.6	4.5	5.0	17	4.4
31	6.8	---	e6.5	e10	---	11	---	5.8	---	5.2	7.6	---
TOTAL	247.9	310.0	449.7	258.8	549.2	397.5	497.0	333.8	152.1	204.8	227.4	168.9
MEAN	8.00	10.3	14.5	8.35	18.9	12.8	16.6	10.8	5.07	6.61	7.34	5.63
MAX	20	62	51	32	60	62	87	16	10	22	39	11
MIN	5.3	6.3	6.4	2.8	6.0	4.8	6.3	5.8	4.0	4.1	4.8	4.3
CFSM	.29	.37	.53	.30	.69	.46	.60	.39	.18	.24	.27	.20
IN.	.33	.42	.61	.35	.74	.54	.67	.45	.21	.28	.31	.23
CAL YR 1987	TOTAL	4867.3	MEAN	13.3	MAX	102	MIN	2.7	CFSM	.48	IN.	6.56
WTR YR 1988	TOTAL	3797.1	MEAN	10.4	MAX	87	MIN	2.8	CFSM	.38	IN.	5.12

e Estimated

STREAMS TRIBUTARY TO IRONDEQUOIT CREEK
04232046 THOMAS CREEK AT FAIRPORT, NY--continued

WATER QUALITY RECORDS

PERIOD OF RECORD.--October 1983 to current year.

CHEMICAL DATA: 1983-88(e).

NUTRIENT DATA: 1983-88(e).

COOPERATION--Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, N.Y.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ENDING TIME	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
OCT											
03-04	1140	1640	--	--	0.06	1.0	0.55	0.100	0.016	120	260
04-05	1740	1040	--	--	.06	1.2	.56	.040	.019	110	230
05-07	1220	1120	--	--	.28	.70	.48	.060	.017	100	160
08-09	1745	0445	--	--	.09	.70	.53	.070	.020	100	210
13-14	1825	1125	49	7	.07	.90	.97	.120	.026	66	140
17-19	1415	1115	--	--	.08	.70	.33	.020	.016	96	230
23-24	0305	1105	--	--	.14	.40	.52	.030	.013	83	190
26-28	2235	1135	--	--	.02	.80	.40	.080	.026	86	160
NOV											
02-04	2130	1030	--	--	.03	.90	.41	.060	.014	94	220
04-07	1245	1045	--	--	.03	1.0	.46	.080	.025	91	130
07-09	1140	1040	--	--	.01	.90	.95	.030	.021	90	170
10-14	1605	1105	--	--	.01	1.3	1.1	.030	.024	93	110
14-15	1200	1300	--	--	< .01	1.5	2.2	.090	.026	96	280
15-16	1400	1100	--	--	< .01	1.5	2.4	.080	.033	82	140
18-21	1240	1140	--	--	< .01	1.0	2.6	.070	.028	80	160
23-25	1140	1040	--	--	< .01	1.0	1.8	.070	.017	90	200
25-28	1135	1035	--	--	.01	1.1	1.8	.060	.022	94	200
28-30	1225	1125	--	--	.02	.90	1.4	.090	.021	76	120
NOV 30-											
DEC 02	1235	1135	--	--	.04	1.1	1.9	.050	.018	120	140
05-07	1140	1040	--	--	.02	1.2	1.7	.100	.025	150	110
07-09	1150	1050	--	--	< .01	1.0	2.0	.090	.030	84	110
09-12	1115	1015	--	--	.02	.90	2.2	.060	.022	95	140
12-14	1120	1020	--	--	.05	1.2	1.7	.110	.035	72	72
14-16	1110	1010	23	18	.02	1.1	1.8	.080	.039	48	60
16-19	1105	1005	--	--	.05	.90	2.5	.050	.037	82	96
21-22	1215	1115	--	--	.13	1.4	2.6	.080	.019	120	120
22-23	1215	1115	--	--	.14	1.3	2.2	.100	.021	350	96
JAN											
06-09	1100	1000	--	--	.08	1.5	2.0	.050	.015	160	130
JAN 30-											
FEB 01	1010	0910	--	--	.07	1.4	2.0	.050	.011	160	130
07-08	0420	0920	--	--	< .01	1.3	2.0	.070	.011	170	150
08-10	1025	0925	--	--	.07	1.1	1.7	.050	.011	150	100
10-10	1030	1330	--	--	--	--	--	.050	.015	130	--
10-14	1030	0930	23	4	.12	1.3	1.8	.060	.025	150	70

STREAMS TRIBUTARY TO IRONDEQUOIT CREEK

04232046 THOMAS CREEK AT FAIRPORT, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984--continued

DATE	TIME	ENDING TIME	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
FEB--continued											
10-10	1430	1730	--	160	--	--	--	0.100	0.015	160	--
10-10	1830	2130	--	--	--	--	--	.050	.014	190	--
10-11	2230	0130	--	--	--	--	--	.060	.014	180	--
11-11	0230	0530	--	--	--	--	--	.040	.014	200	--
11-11	0630	0930	--	--	--	--	--	.040	.012	220	--
11-11	1030	1330	--	--	--	--	--	.050	.011	250	--
11-11	1430	1730	--	--	--	--	--	.080	.014	260	--
11-11	1830	2130	--	--	--	--	--	.040	.016	260	--
11-12	2230	0130	--	--	--	--	--	.030	.017	250	--
12-12	0230	0530	--	--	--	--	--	.080	.028	240	--
12-12	0630	0930	--	--	--	--	--	.080	.030	220	--
12-12	1030	1330	--	--	--	--	--	.100	.028	200	--
12-12	1430	1730	--	--	--	--	--	.110	.026	160	--
12-12	1830	2130	--	--	--	--	--	.160	.031	170	--
12-13	2230	0130	--	--	--	--	--	.130	.031	160	--
13-13	0230	0530	--	--	--	--	--	.150	.042	160	--
13-13	0630	0930	--	--	--	--	--	.140	.042	130	--
13-13	1030	1330	--	--	--	--	--	.150	.043	130	--
13-13	1430	1730	--	--	--	--	--	.160	.042	120	--
13-13	1830	2130	--	--	--	--	--	.140	.040	120	--
13-14	2230	0130	--	--	--	--	--	.170	.046	110	--
14-14	0230	0530	--	--	--	--	--	.170	.049	92	--
14-14	0630	0930	--	--	--	--	--	.140	.039	85	--
14-14	1230	1300	--	--	--	--	--	.120	.031	59	--
14-15	1230	1030	52	9	0.11	1.3	1.4	.140	.038	58	31
14-14	1330	1400	--	--	--	--	--	.210	.036	65	--
14-14	1430	1500	--	--	--	--	--	.130	.039	67	--
14-14	1530	1600	--	--	--	--	--	.140	.037	71	--
14-14	1630	1700	--	--	--	--	--	.110	.039	67	--
14-14	1730	1800	--	--	--	--	--	.050	.029	46	--
14-14	1830	1900	--	--	--	--	--	.140	.037	67	--
14-14	1930	2000	--	--	--	--	--	.120	.043	71	--
14-14	2030	2100	--	--	--	--	--	.120	.043	73	--
14-14	2130	2200	--	--	--	--	--	.160	.043	77	--
14-14	2230	2300	--	--	--	--	--	.090	.044	73	--
14-14	2330	2359	--	--	--	--	--	.110	.031	47	--
15-15	0030	0100	--	--	--	--	--	.120	.053	67	--
15-15	0130	0200	--	--	--	--	--	.160	.047	65	--
15-15	0230	0300	--	--	--	--	--	.090	.045	63	--
15-15	0330	0400	--	--	--	--	--	.110	.045	61	--
15-15	0430	0500	--	--	--	--	--	.030	.031	32	--
15-15	0530	0600	--	--	--	--	--	.100	.039	53	--
15-15	0630	0700	--	--	--	--	--	.100	.042	51	--
15-15	0730	0800	--	--	--	--	--	.080	.056	51	--
15-15	0830	0900	--	--	--	--	--	.090	.038	51	--
15-15	0930	1000	--	--	--	--	--	.110	.043	57	--
15...	1030	--	--	--	--	--	--	.060	.039	75	--
15-15	1045	1345	--	--	--	--	--	.100	.035	53	--
15-17	1045	0845	12	< 2	.06	1.0	1.7	.080	.028	54	53
15-15	1445	1745	--	--	--	--	--	.090	.036	54	--

STREAMS TRIBUTARY TO IRONDEQUOIT CREEK

04232046 THOMAS CREEK AT FAIRPORT, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984--continued

DATE	TIME	ENDING TIME	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
FEB--continued											
15-15	1845	2145	--	--	--	--	--	0.080	0.038	53	--
16-16	0245	0545	--	--	--	--	--	.080	.038	54	--
16-17	0245	0545	--	--	--	--	--	.060	.033	62	--
16-16	0645	0945	--	--	--	--	--	.080	.038	56	--
16-16	1045	1345	--	--	--	--	--	.080	.030	52	--
16-16	1445	1745	--	--	--	--	--	.080	.035	61	--
16-16	1845	2145	--	--	--	--	--	--	.038	61	--
16-17	2245	0145	--	--	--	--	--	.070	.038	64	--
17-17	0645	0845	--	--	--	--	--	.080	.037	61	--
17-21	0940	0840	--	--	0.07	0.90	2.2	.060	.025	84	76
MAR											
05-07	1215	0915	--	--	.04	1.2	2.0	.040	.008	190	84
05...	1225	--	--	--	.09	1.2	2.2	.040	.017	210	89
16-19	1010	0910	--	--	.04	.70	1.5	.060	.009	190	54
19-20	1025	0925	--	--	.02	1.3	1.7	.050	< .005	120	65
20-21	1025	0925	12	< 2	< .01	1.2	1.8	.070	.005	130	62
21-22	1015	0945	39	6	.04	1.0	1.6	.100	.018	30	40
22-23	1005	0535	--	--	.06	.90	1.8	.080	.022	53	36
23-26	1015	0915	--	--	.06	.80	2.0	.020	.015	75	68
30-31	1025	1225	--	--	.02	.90	1.5	.040	.006	110	65
MAR 31-											
APR 02	1325	0925	--	--	.02	1.1	1.4	.050	.006	110	60
02-04	1010	0910	--	--	.02	1.0	1.3	.020	.005	80	56
04-04	1020	2320	--	--	.01	1.2	1.2	.020	.005	90	64
05-05	0020	0920	--	--	.01	1.0	1.3	.040	.005	92	57
05-06	1045	0915	21	4	.02	1.2	1.3	.010	.009	87	56
06-09	0950	0850	--	--	.01	1.0	1.4	.050	.007	72	71
09-11	0940	0840	--	--	.02	1.0	1.4	.030	.007	85	91
16...	1010	--	--	--	.04	1.1	1.2	.060	.016	83	77
16-18	1630	0930	16	4	.04	1.2	1.2	.070	< .005	49	58
18-20	0955	0855	--	--	.02	1.0	1.1	.060	< .005	83	81
20-23	1000	0900	--	--	.03	1.0	1.1	.030	.006	90	97
23-24	1000	1500	--	--	.02	1.5	1.2	.040	.009	58	80
24-25	1600	0900	36	8	.02	1.3	1.0	.080	.013	34	50
25-27	0930	0830	14	3	.02	.90	.90	.070	< .005	61	61
27-30	0955	0855	--	--	.02	1.0	.88	.050	< .005	88	59
MAY											
02-03	1015	2115	--	--	.02	1.1	.84	.030	< .005	80	71
03-04	2215	0915	28	5	.02	1.1	.84	.090	< .005	69	59
04-07	1040	0940	--	--	.03	.90	.73	.070	.007	54	36
07-08	1025	0925	--	--	.03	.90	.76	.030	.014	41	72
08-09	1025	0925	--	--	.02	1.0	.83	.050	.014	72	54
11-13	1010	1810	--	--	.05	1.0	.78	.050	.016	68	54
13-14	1910	0910	--	--	.05	1.0	.72	.060	.016	65	61
23...	1045	--	--	--	.07	.80	.66	.080	.022	71	88
25-28	1030	0530	--	--	.03	1.0	.60	.030	.020	55	97
28-28	0630	2130	--	--	.04	1.2	.69	.070	.014	71	68
28-29	2230	0930	169	29	.05	1.9	.56	.300	.025	28	35
29-30	1230	1130	48	8	.06	1.0	.70	.100	.021	36	26

STREAMS TRIBUTARY TO IRONDEQUOIT CREEK

04232046 THOMAS CREEK AT FAIRPORT, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984--continued

DATE	TIME	ENDING TIME	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDEDED (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
MAY 30-											
JUN 01	1215	1115	68	7	0.02	1.0	0.84	0.330	0.011	45	43
01-04	1230	1030	8	< 6	.04	.90	1.0	.030	.025	70	100
04-06	1035	0935	15	< 5	.03	1.0	1.2	.060	.018	77	140
18-18	0100	0900	--	--	.02	1.2	1.0	.070	.011	96	260
18-20	1010	0910	--	--	.04	1.0	1.3	.020	.005	93	170
24-25	1900	0900	--	--	.06	1.0	.44	.020	.011	--	110
JUL											
04-05	1850	0850	--	--	.02	1.4	1.0	.110	.015	81	180
05-06	0940	0840	--	--	.04	1.4	.97	.120	.022	66	120
09-11	0935	0835	--	--	.03	1.1	1.1	.060	.020	89	220
18-18	0515	0815	45	7	.03	1.4	1.4	.140	.030	85	120
27-27	0525	0825	--	--	.05	1.1	1.0	.060	.011	97	270
AUG											
10-11	0850	1650	--	--	.05	1.0	1.8	.050	.011	53	240
11-13	1750	0750	--	--	.02	.90	1.5	.050	.007	52	290
13-15	0910	0810	--	--	< .01	--	.95	.090	.021	71	120
15-17	0900	0800	--	--	.11	1.0	.97	.130	.043	61	100
17-20	1235	1135	--	--	.03	.90	.65	.080	.040	80	160
22-22	1025	2125	--	--	.02	.90	.58	.060	.031	74	210
22-24	2225	0925	--	--	.02	1.0	.66	.120	.034	65	130
27-28	1055	1555	--	--	.02	.80	.46	.030	.027	74	220
28-29	1655	0855	--	--	.01	.90	.66	.090	.029	70	160
SEP											
06-07	1030	0930	--	--	.03	1.1	.63	.080	.020	88	220
10-11	0950	0650	--	220	.04	.80	.74	.060	.007	93	220
11-12	0750	0850	59	10	.04	.90	.87	.130	.022	61	150
12-13	1000	1700	32	6	.03	1.0	.84	.100	.034	73	140
13-14	1800	0900	32	3	.09	1.0	.78	.090	.036	75	150
SEP 28-											
OCT 01	0950	0850	--	--	.01	.60	.67	.020	.012	95	410

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	ENDING TIME	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDEDED (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
FEB											
20-20	1500	2300	--	--	0.15	2.2	1.7	0.110	0.033	210	130
21-21	0100	0900	--	--	.30	2.0	1.8	.180	.034	200	120
21-21	1100	1500	--	--	.10	1.6	1.8	.100	.033	180	110
21-22	1700	1100	--	--	.08	1.8	1.6	.050	.019	190	110
22-22	1145	1345	--	--	.06	--	1.7	.140	.025	270	--

STREAMS TRIBUTARY TO IRONDEQUOIT CREEK

04232046 THOMAS CREEK AT FAIRPORT, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985--continued

DATE	TIME	ENDING TIME	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
FEB--continued											
22-25	1145	1045	67	11	0.10	2.0	2.2	0.160	0.043	180	38
22-22	1445	1645	--	--	.06	--	1.8	.120	.028	300	--
22-22	1745	1945	--	--	.07	--	1.9	.160	.026	330	--
22-22	2045	2245	--	--	.09	--	1.8	.140	.034	360	--
22-23	2345	0145	--	--	.10	--	1.9	.200	.036	350	--
23-23	0245	0445	--	--	.10	--	2.0	.160	.041	330	--
23-23	0545	0745	--	--	.11	--	2.1	.220	.040	300	--
23-23	0845	1045	--	--	.11	--	2.1	.190	.040	280	--
23-23	1145	1345	--	--	.19	--	2.1	.190	.048	250	--
23-23	1445	1645	--	--	.10	--	2.1	.160	.046	220	--
23-23	1745	1945	--	--	.09	--	2.1	.170	.047	200	--
23-23	2045	2245	--	--	.10	--	2.1	.160	.048	170	--
23-24	2345	0145	--	--	.10	--	2.1	.160	.048	160	--
24-24	0245	0445	--	--	.11	--	2.2	.180	.054	150	--
24-24	0545	0745	--	--	.10	--	2.2	.140	.050	130	--
24-24	0845	1045	--	--	.09	--	2.3	.140	.051	120	--
24-24	1145	1345	--	--	.08	--	2.4	.260	.052	100	--
24-24	1445	1645	--	--	.09	--	2.8	.170	.061	91	--
24-24	1745	1945	--	--	.12	--	2.8	.160	.064	81	--
24-24	2045	2245	--	--	.13	--	2.8	.150	.071	75	--
24-25	2345	0145	--	--	.18	--	2.8	.140	.067	71	--
25-25	0245	0445	--	--	.14	--	2.8	.160	.071	67	--
25-25	0545	0745	--	--	.13	--	2.8	.140	.061	64	--
25-25	0845	1045	--	--	.13	--	3.1	.190	.065	62	--
25-27	1500	1200	--	--	.09	1.4	2.9	.300	.050	68	48
FEB 27-											
MAR 01											
01-04	1205	1105	--	--	.09	1.1	2.6	.400	.050	87	70
01-06	1205	1105	--	--	.06	1.3	2.6	.200	.034	110	80
04-06	1200	1100	--	--	.06	.90	2.5	.060	.016	180	90
06-07	1145	0845	--	--	.06	1.0	2.2	.040	.024	160	80
07-08	0945	1045	--	--	.05	1.0	2.2	.040	.020	140	80
08-11	1155	0955	--	--	.06	.60	2.6	.060	.038	94	56
11-13	1040	0940	--	--	.02	.90	2.0	.070	.030	92	70
13-15	1150	0950	--	--	.03	1.6	2.7	.050	.042	77	60
15-18	1025	0925	--	--	< .01	.90	2.2	.040	.020	92	84
27-28	1100	1000	--	--	.08	.90	1.6	.020	.009	100	98
28-29	1100	1000	--	--	.06	1.2	1.7	.060	< .005	100	58
29-29	1100	2200	--	--	.04	2.7	1.4	.030	.010	82	83
APR											
01-01	0200	1000	--	--	.04	1.6	1.6	.200	.017	72	45
01-02	1040	1540	45	< 5	.05	1.3	1.7	.060	.025	67	63
17-19	1020	0920	--	--	< .01	1.0	1.0	.060	< .005	85	150
19-22	1020	0920	26	< 5	.15	1.4	1.4	.090	.013	65	59
MAY											
03-05	1505	2305	--	--	.04	.90	.5	.030	.014	90	100
06-06	0005	1005	--	--	.10	.90	.9	.060	.012	93	93
06-08	1035	0935	--	--	.07	1.1	.95	.060	.015	90	73
08-10	1025	0925	--	--	.06	1.0	1.1	.030	.008	100	100
10-13	1025	0925	--	--	.05	.60	1.2	.050	.006	110	100

STREAMS TRIBUTARY TO IRONDEQUOIT CREEK
04232046 THOMAS CREEK AT FAIRPORT, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985--continued

DATE	TIME	ENDING TIME	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	RESIDUE VOLA- TILE, SUS- PENDE (MG/L)	NITRO- GEN, DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
MAY--continued											
13-15	1040	0940	--	--	0.04	0.90	0.94	0.030	< 0.005	110	99
20-22	1120	0920	--	--	.06	.90	.76	.120	.009	110	140
24-26	1040	1340	--	--	.03	.90	.60	.070	.029	120	180
26-28	1440	0940	--	--	.04	.90	.97	.040	.023	120	160
30-31	1035	0935	--	--	< .01	.90	.72	.140	.023	110	150
MAY 31-											
JUN 03	1020	0920	--	--	.04	.90	.69	.090	.020	83	96
03-05	1030	0930	--	--	.02	1.0	.62	.070	.012	97	130
05-07	1030	0930	--	--	.02	.90	1.2	.190	.009	100	140
10-11	1035	2335	--	--	.06	.80	.93	.100	.010	100	160
12-12	0035	0935	51	12	.02	1.6	.67	.190	.009	74	130
12-13	1045	0545	--	--	.05	.90	.76	.130	.023	66	73
13-14	0645	0945	--	--	.13	1.0	.51	.110	.017	78	77
14-16	1040	1540	--	--	.06	.90	1.2	.090	.040	88	120
16-17	1640	0940	--	--	.03	.70	.76	.100	.024	49	120
26-28	1100	1000	--	--	.03	.80	.66	.080	.007	130	200
28-29	1110	0110	--	--	.06	.90	.71	.090	.022	120	200
JUN 29-											
JUL 01	0210	1010	--	--	.04	.60	.52	.100	.026	99	160
05-06	1045	1245	--	--	.10	.90	.68	.080	.034	110	190
06-08	1345	0945	23	7	.18	.90	2.7	.100	.022	100	180
08-09	1050	1550	--	--	.03	.70	.67	.090	< .005	110	160
09-10	1650	0950	23	7	.03	.90	.63	.100	< .005	110	--
10-10	1050	1550	--	--	.06	.60	.78	.070	.016	110	160
10-12	1650	0550	17	< 5	.06	.60	.58	.090	.013	110	160
12-12	0650	0950	--	--	.05	.60	.62	.090	.013	100	160
12-15	1035	0935	--	--	.07	.60	.66	.100	.021	110	160
15-15	1115	1215	--	--	.09	.90	.71	.130	< .005	110	160
15-17	1315	1015	21	6	.04	.80	.49	.120	.020	110	160
24-26	1010	0910	26	7	.01	.50	.33	.100	.015	110	290
26-29	1020	0920	19	6	.03	.80	.31	.070	.038	100	250
29-31	1015	0915	--	--	.03	.20	.41	--	< .005	100	230
AUG											
26-26	1045	1945	--	--	.01	.80	.32	.090	.015	93	190
26-28	2045	0945	35	< 10	.03	.80	.42	.090	.017	77	150
SEP											
06-08	1145	0745	--	--	< .01	1.2	.64	.140	.019	87	170
08-08	0845	1945	--	--	< .01	1.1	.52	.140	.016	79	180
09...	1135	--	44	8	< .01	.70	.64	.060	.026	72	140
11...	1135	--	--	--	.01	.80	.91	.080	.013	80	140
25-26	1115	2215	--	--	.03	.90	.62	.020	.007	94	170
26-27	2315	1015	--	--	.04	.80	.51	.050	.008	89	170
27-30	1125	1025	--	--	.06	.70	.68	.060	.012	80	160

STREAMS TRIBUTARY TO IRONDEQUOIT CREEK

04232046 THOMAS CREEK AT FAIRPORT, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	ENDING TIME	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLATILE SUS- PENDED (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHOPHOS- PHATE DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
OCT											
09-10	1205	1505	--	--	0.02	0.80	0.21	0.060	0.013	96	270
10-11	1605	1005	--	--	.02	.80	.30	.050	.012	97	260
11-13	1020	0920	--	--	.02	1.2	.36	.050	< .005	100	250
13-15	1020	0520	--	--	.02	1.0	.34	.040	< .005	96	260
15-15	0620	0920	--	--	.01	.70	.40	.060	.005	100	320
15-16	1020	0320	--	--	.02	.80	.26	.050	.010	95	160
23-24	1505	1005	--	--	.10	1.1	.14	.070	.023	120	280
24-25	1105	1005	--	--	.03	1.0	.18	.080	.026	94	220
NOV											
01-03	1045	2145	--	--	.02	.80	.16	.110	.008	120	320
03-04	2245	0945	--	--	.02	.90	.26	.110	.012	95	220
04-06	1030	0930	41	8	.03	1.0	.36	.170	.042	60	75
06-08	1040	0940	--	--	.02	1.2	1.0	.160	.038	110	58
08-12	1105	1005	--	--	.03	1.1	1.8	.070	.016	83	160
15...	1115	--	--	--	.06	1.3	2.0	.080	.041	82	130
18...	1050	--	--	--	.14	1.1	2.9	.070	.032	80	160
20...	1045	--	--	--	.09	1.4	2.7	.050	.038	88	170
22-25	1040	0940	--	--	.05	1.3	2.1	.040	.018	110	160
25-27	1040	1040	--	--	.03	1.4	2.0	.060	.017	140	160
27-29	1055	1055	8	< 5	.03	1.2	2.0	.050	.017	120	140
27...	1100	--	--	--	.04	1.1	2.0	.070	.034	120	130
NOV 29-											
DEC 02	1140	0440	--	--	.02	--	2.5	.050	.022	110	130
02-02	0540	1040	--	--	.02	--	2.7	.110	.022	96	150
02-04	1100	1000	--	--	.02	--	2.8	.060	.023	90	120
13-16	1125	1025	--	--	.07	1.1	2.5	.050	.018	160	140
13...	1130	--	--	--	.08	1.1	2.4	.040	.017	120	140
23-24	1130	1430	--	--	.08	1.1	3.1	.030	.010	230	140
24-26	1530	1530	--	--	.09	1.3	2.9	.030	.006	230	130
27...	1120	--	--	--	.16	1.1	2.9	.030	.011	140	140
JAN											
03...	1030	--	--	--	.11	1.1	2.4	.030	.013	120	140
08-09	1110	1810	--	--	.06	2.0	2.2	.230	.016	350	220
10...	1115	--	--	--	.11	1.0	2.5	.030	.012	120	160
15-17	1040	0940	--	--	.05	1.1	2.1	.050	.012	200	140
17-19	1025	2125	--	--	.08	1.4	2.1	.080	.035	240	110
21-24	1125	1025	--	--	.12	.80	2.8	.130	.045	79	81
21...	1130	--	19	< 5	.17	1.3	2.2	.170	.019	68	52
24...	1035	--	--	--	--	--	--	.060	.040	--	--
27...	1135	--	--	--	.16	1.4	3.6	.050	.018	110	110
JAN 31-											
FEB 01	0940	1140	--	--	.07	1.0	3.1	.030	.015	120	110
01-03	1240	0840	--	--	.10	1.0	3.1	.030	.011	260	120
03-04	1040	1740	--	--	.06	.90	2.8	.070	.016	220	120
04-05	1840	0940	17	4	.09	1.1	2.1	.060	.020	230	96
05-07	1150	1050	--	--	.10	1.1	2.3	.070	< .005	130	80

STREAMS TRIBUTARY TO IRONDEQUOIT CREEK

04232046 THOMAS CREEK AT FAIRPORT, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986--continued

DATE	TIME	ENDING TIME	TUR- BID- ITY (NTU)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
FEB--continued												
07-10	1035	0935	--	--	--	0.06	1.2	2.6	0.040	0.015	160	100
14-18	1015	0915	--	--	--	.03	1.1	2.9	.030	.011	140	130
18-19	1045	0945	--	--	--	.04	1.1	2.8	.070	.013	280	100
19-21	1030	0930	--	--	--	.17	1.3	2.2	.110	.036	140	56
21-24	1025	0925	--	--	--	.06	1.0	2.4	.060	.027	98	80
24-26	1025	0925	--	--	--	.08	1.2	3.0	.050	.019	140	100
MAR												
10...	1100	--	--	--	--	.17	1.1	2.5	.050	.008	540	130
11-12	1000	1000	--	--	--	.22	1.4	2.2	.100	.034	100	55
12-14	1110	1010	--	--	--	.11	1.2	2.1	.080	.026	96	51
14-17	1025	0925	--	--	--	.06	.80	2.4	.070	.023	72	56
APR												
04-05	1055	1555	--	--	--	.02	.90	1.3	.030	.006	100	100
05-07	1655	0955	--	--	--	.03	1.0	1.3	.070	.011	90	76
07-09	1120	1020	--	--	--	.03	1.2	1.2	.050	.007	81	67
14-15	1030	0730	--	--	--	.01	1.2	1.2	.040	.007	92	78
15-16	0830	0930	--	--	--	.02	1.1	1.2	.080	.008	88	67
16-16	1100	2000	--	--	--	.05	1.0	1.2	.080	.012	76	38
16-18	2100	1000	--	--	--	.05	1.2	1.4	.060	.015	57	40
18-20	1030	1530	--	--	--	.03	.90	1.5	.060	<.005	69	48
20-21	1630	0930	--	--	--	.03	1.2	1.3	.060	.009	83	50
21-23	1035	0935	--	--	--	.02	1.3	1.3	.050	.012	81	56
MAY												
14-15	1045	1945	2.5	--	--	.02	.91	1.0	.070	.006	120	200
15-16	2045	0945	2.6	--	--	.01	1.5	1.1	.080	.007	110	200
16-16	1100	1600	5.8	--	--	.02	1.1	1.2	.080	.016	100	110
16-19	1700	1000	17	--	--	.05	1.3	.71	.090	.023	94	130
19-19	1055	1955	2.4	--	--	.06	1.8	.82	.090	.026	100	150
19-20	2055	0555	3.1	--	--	.07	1.5	1.2	.100	.022	100	240
20-21	0655	0955	50	--	--	.04	1.6	.78	.080	.039	66	75
21-21	1125	1625	14	--	--	.03	1.5	.60	.140	.029	71	76
23...	1100	--	6.8	--	--	.10	1.4	.73	.100	.029	90	110
23-27	1100	1000	2.4	--	--	.06	1.3	.93	.100	.030	97	140
MAY 30-												
JUN 01	1055	1855	12	--	--	.03	1.3	1.3	.120	.020	110	90
01-02	1955	0955	18	--	--	.11	1.3	2.0	.150	.019	88	73
02-04	1025	0925	13	--	--	.03	1.5	.81	.140	.035	95	130

STREAMS TRIBUTARY TO IRONDEQUOIT CREEK

04232046 THOMAS CREEK AT FAIRPORT, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986--continued

DATE	TIME	ENDING TIME	TUR- BID- ITY (NTU)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
JUN										
04-05	1040	1140	11	0.02	2.9	0.75	0.120	0.022	100	170
05-06	1240	0940	16	.04	1.5	1.1	.130	.020	94	140
06-07	1035	1535	7.5	.03	.80	.96	.080	.026	97	190
07-09	1635	0935	55	.40	1.0	.79	.050	.031	57	82
09-11	1105	1005	14	.03	1.7	.90	.140	.036	67	86
11-12	1020	0520	--	.04	1.4	.92	.110	.044	87	110
12-12	0620	1720	--	.03	1.4	.73	.190	.038	69	100
12-13	1820	0920	--	.04	1.6	.64	.130	.047	56	76
13-16	1030	0930	15	.04	1.6	.94	.150	.065	49	52
16-16	1015	1915	6.1	< .01	1.5	1.0	.100	.074	60	18
16-18	2015	0915	8.0	< .01	1.4	.94	.140	.072	66	20
18-19	1020	2120	14	.03	1.3	1.8	.160	.060	76	120
19-20	2220	0920	80	.01	1.6	1.3	.220	.049	55	73
20-23	1010	0010	32	.02	1.4	1.0	.240	.064	57	44
23-23	0110	0910	16	< .01	1.5	.96	.160	.062	53	69
27-29	1050	1550	13	.03	1.5	1.0	.150	.080	110	140
29-30	1650	0950	14	.02	1.4	.90	.170	.061	87	140
JUN 30-										
JUL 01	1255	2055	11	.02	1.4	1.2	.080	.036	91	150
01-03	2155	1155	22	.03	1.3	.86	.080	.037	72	100
11-12	1040	0340	11	.02	.85	.86	.080	.036	110	260
12-13	0440	2140	13	.18	.93	1.0	.070	.033	91	170
13-14	2240	0940	10	.03	1.0	.60	.060	.031	89	150
AUG										
01-03	1400	1600	26	.05	1.8	.76	.070	.022	75	120
03-04	1700	1300	26	.05	1.3	.68	.070	.022	75	120
06-07	1130	1430	13	.03	.74	.78	.070	.034	100	190
07-08	1530	1030	35	.04	.88	.70	.090	.030	71	120
08-10	1145	1645	16	.04	1.2	.47	.030	.028	80	120
10-11	1745	1045	34	.05	1.4	.88	.130	.020	68	98
27-28	1145	1845	6.4	.05	1.8	1.3	.140	.031	110	180
SEP										
16...	1000	--	--	.53	1.2	.80	.140	.038	74	140
23...	1040	--	--	.05	.59	.48	.200	.048	68	150
24...	1100	--	--	< .01	2.0	.38	.140	.046	77	110
29...	1205	--	--	.005	.91	.66	.170	.050	75	120

STREAMS TRIBUTARY TO IRONDEQUOIT CREEK
04232046 THOMAS CREEK AT FAIRPORT, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	ENDING TIME	TUR- BID- ITY (NTU)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN,AM- DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHOS, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
OCT												
01...	1040	--	--	--	--	0.05	1.3	0.39	--	0.073	52	72
03...	1240	--	--	--	--	.01	1.4	.57	0.090	.064	63	90
06...	1045	--	--	--	--	.06	1.4	.90	.130	.060	64	86
08...	1045	--	--	--	--	.08	1.2	.92	.100	.047	76	110
10...	1045	--	--	--	--	.03	1.4	.84	.090	.030	87	140
14...	1105	--	--	--	--	.02	1.3	.79	.140	.050	72	83
17...	1210	--	--	--	--	.02	1.3	.76	.090	.035	81	110
29...	1130	--	--	--	--	.03	1.0	.61	.070	.026	97	150
NOV												
13...	1100	--	--	--	--	.03	.88	1.0	.054	.013	150	170
24...	1050	--	--	--	--	.02	1.7	1.3	.053	.014	140	140
26...	1145	--	--	--	--	.03	1.1	1.1	.280	.028	73	72
28...	1040	--	--	--	--	< .01	1.4	1.2	.210	.040	68	65
DEC												
03...	1105	--	--	--	--	.06	1.6	1.0	.205	.057	87	41
05...	1050	--	--	--	--	.03	.92	1.6	.085	.040	64	41
08...	1045	--	--	--	--	.04	1.1	1.8	.080	.035	95	67
10...	1055	--	--	--	--	.03	.87	1.5	.170	.030	230	57
10...	1650	--	--	--	--	.02	1.3	1.9	.155	.040	100	61
17-18	1050	0350	--	--	--	.02	.96	2.0	.070	.017	96	74
18-19	0450	0950	--	--	--	< .01	.99	1.9	.130	.017	110	59
24-25	1600	0100	--	--	--	.02	1.4	1.6	.100	.008	87	72
25-26	0200	1100	--	--	--	.03	1.1	1.6	.100	.019	83	58
JAN -												
05-07	1225	1025	--	--	--	.01	1.4	1.9	.120	.010	120	92
07-09	1050	0950	--	--	--	.03	1.6	1.9	.050	.009	150	75
14-14	1055	1355	--	--	--	< .01	1.6	1.8	.090	.011	170	76
14-16	1455	0955	--	--	--	.02	1.9	1.7	.115	.009	150	57
16-20	1100	1000	--	--	--	.02	1.1	1.9	.065	.014	92	57
FEB												
23-25	1030	0930	--	--	--	< .01	1.2	1.8	.070	.008	190	97
FEB 27-												
MAR 01	1200	0200	--	--	--	.01	1.5	1.6	.050	.006	130	78
01-02	0300	1100	--	--	--	.09	2.1	1.3	.220	.027	120	49
02-04	1125	1025	--	--	--	.14	1.5	1.6	.125	.032	67	38
04-05	1100	2200	--	--	--	< .01	1.1	1.9	.070	.017	87	53
05-06	2300	1000	--	--	--	< .01	1.2	1.9	.070	.013	91	55
06-09	1100	1000	--	--	--	< .01	1.5	1.8	.070	.014	75	50
09-11	1050	0950	--	--	--	< .01	.99	1.6	.055	.012	68	65
25-25	1030	1330	2.4	--	--	.01	1.3	1.0	.085	.008	92	75
25-27	1430	0930	5.5	--	--	.02	1.4	1.4	.080	< .005	120	68
30-30	1150	1850	5.1	--	--	.02	1.3	.92	.120	.009	90	70
30-31	1950	0650	11	--	--	.02	1.4	.99	.120	.009	91	61
31-31	0750	1650	28	--	--	.01	1.4	.78	.260	.011	93	52
MAR 31-												
APR 01	1750	1050	24	--	--	< .01	1.3	1.1	.090	.013	130	52
01-03	1100	1000	8.2	--	--	.05	1.3	1.7	.090	.014	100	48
03-04	1205	0505	4.6	--	--	.03	.92	1.4	.055	.014	82	48
04-06	0605	1105	30	41	6	.03	1.4	1.2	.165	.021	73	30
06-08	1155	1055	7.1	--	--	< .01	1.1	1.4	.165	.025	58	32

STREAMS TRIBUTARY TO IRONDEQUOIT CREEK
04232046 THOMAS CREEK AT FAIRPORT, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987--continued

DATE	TIME	ENDING TIME	TUR- BID- ITY (NTU)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN,AM- MONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
APR--continued												
08-10	1155	1055	4.0	--	--	< 0.01	--	1.5	--	0.019	65	52
10-12	1135	1335	3.4	--	--	.02	1.0	1.5	0.055	.014	80	65
12-13	1435	1035	8.5	--	--	< .01	.97	1.1	.105	.014	79	53
13-16	1115	1015	4.4	--	--	.01	1.0	.97	.064	.016	71	52
22-23	1045	1545	6.8	--	--	< .01	1.1	.78	.101	.015	89	120
23-24	1645	0945	8.1	--	--	.01	1.6	1.2	.110	.012	90	52
27-27	1115	2215	2.5	--	--	< .01	1.9	.51	.058	.008	88	60
27-29	2315	1015	30	42	10	< .01	1.6	.70	.155	.016	61	40
APR 29-												
MAY 01	1110	1010	2.4	--	--	< .01	.93	.68	.089	.018	63	44
13-14	1050	2350	3.3	--	--	< .01	.92	.60	.425	.021	100	120
15-15	0050	0950	25	--	--	.03	1.6	.80	.215	.021	99	130
22-22	1035	1335	6.0	--	--	< .01	1.1	.73	.200	.035	95	160
22-26	1435	0935	5.3	--	--	.06	1.3	.68	.435	.035	95	130
26-27	1100	0700	4.6	--	--	.06	1.1	.61	.270	.031	96	130
27-29	0800	1000	5.3	--	--	.06	.99	.66	.355	.030	100	140
JUN												
05-07	1115	0215	20	--	--	.02	1.3	.64	.215	.040	120	170
07-09	0315	1015	--	--	--	.02	1.2	.81	.220	.035	98	130
12-12	1120	2220	18	--	--	.01	1.2	.62	.150	.040	110	170
12-15	2320	0820	35	54	12	.03	1.1	.68	.205	.045	86	99
22-24	1110	2210	8.0	--	--	.01	.85	.58	.170	.045	81	150
24-26	2310	1010	25	--	--	.01	1.1	.44	.140	.045	99	190
26-28	1255	0855	11	--	--	.02	.97	.65	.270	.035	91	180
28-29	0955	1055	5.3	--	--	< .01	1.1	.51	.130	.030	110	200
JUL												
02-04	1115	1015	7.2	--	--	.01	1.1	.47	.120	.045	100	210
04-06	1115	1015	7.0	--	--	< .01	.90	.40	.240	.040	100	220
06-06	1155	1855	10	--	--	< .01	.39	.39	.100	.045	92	200
06-07	1955	2255	31	--	--	< .01	.56	.56	.160	.045	66	130
07-08	2355	1055	23	--	--	< .01	.34	.34	.135	.065	67	70
08-10	1110	1010	13	--	--	< .01	1.2	.35	.220	.070	73	100
15...	1020	--	3.0	--	--	.03	.79	.50	.160	.055	100	250
17-20	1425	0325	3.6	--	--	.05	1.1	.40	.105	.045	99	240
20-20	0425	0925	15	--	--	< .01	1.5	.43	.140	.035	84	210
23-23	1110	1410	3.0	--	--	.01	.63	.12	.080	.020	97	220
23-27	1510	1010	9.0	--	--	< .01	.87	.24	.125	.030	93	150
29-30	1105	0605	13	--	--	.02	1.1	.20	.175	.030	91	130
30-31	0705	1005	17	--	--	< .01	1.1	.34	.185	.035	96	180
JUL 31-												
AUG 02	1050	1850	12	--	--	--	1.1	.38	.100	.035	120	150
02-03	1950	0950	30	--	--	--	1.0	.36	.090	.040	71	190
03-03	1045	2145	4.4	--	--	--	.90	.30	.200	.040	70	130
03-07	2245	0945	6.5	--	--	--	.90	.42	.115	.040	85	150
07-09	1050	0950	14	--	--	--	1.4	.41	.120	.035	99	180
09-10	1050	0950	39	82	18	--	1.7	.46	.190	.040	63	120
10-12	1000	1100	12	--	--	--	.43	.44	.120	.040	69	110
19-19	1140	1840	5.8	--	--	--	.61	.38	.130	.030	83	170
19-21	1940	1040	8.4	--	--	--	.97	.43	.130	.010	86	200
28-31	1055	0955	18	--	--	--	.87	.48	.115	.030	99	190

STREAMS TRIBUTARY TO IRONDEQUOIT CREEK

04232046 THOMAS CREEK AT FAIRPORT, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987--continued

DATE	TIME	ENDING TIME	TUR- BID- ITY (NTU)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN,AM- MONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
SEP												
08-11	1115	1015	16	--	--	< 0.01	0.84	0.48	0.110	0.030	97	210
11-12	1100	1400	11	--	--	.01	.83	.33	.095	.020	94	180
12-15	1500	1000	15	--	--	.01	.77	.37	.150	.030	96	190
15-17	1055	0055	1.7	--	--	.01	.86	.88	.110	.030	100	210
17-18	0155	0955	20	--	--	< .01	1.1	.62	.120	.030	91	240
18-19	1100	2200	45	47	10	.03	.78	.57	.155	.040	110	100
19-21	2300	1000	50	65	11	.03	.74	.47	.045	.040	69	110
21-22	1100	1400	34	50	8	< .01	.90	.52	.165	.035	72	140
22-25	1500	1000	18	--	--	< .01	.83	.57	.140	.030	82	160
28-29	1055	0955	17	--	--	.01	.42	.49	.130	.031	80	210
29-30	1055	1755	23	--	--	.01	.62	.53	.145	.036	74	180
SEP 30-												
OCT 02	1855	0955	28	--	--	.01	.63	.44	.185	.042	61	85

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	TIME	ENDING TIME	TUR- BID- ITY (NTU)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN,AM- MONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
OCT												
02-05	1055	0955	12	--	--	< 0.01	1.1	0.44	0.150	0.036	77	110
09-10	1110	2210	4.5	--	--	< .01	.48	.48	.070	.027	86	170
10-13	2310	1010	5.6	--	--	.01	.36	.36	.110	.031	81	130
13-15	1115	1315	62	--	--	--	--	--	.170	.024	--	--
15-15	1415	1615	5.3	--	--	--	--	--	.070	.020	--	--
15-15	1715	1915	6.7	--	--	--	--	--	.080	.021	--	--
NOV												
06-08	1130	2230	78	--	--	.01	.66	.31	.075	.011	120	210
08-09	2330	1030	8.9	--	--	.02	.68	.38	.120	.010	110	210
15-16	1145	1045	6.2	--	--	< .01	.52	.22	.120	.017	110	190
27-29	1015	0015	3.3	--	--	.08	.69	.47	.060	.012	130	180
29-29	0115	0915	6.2	--	--	.05	.71	.49	.095	.013	120	180
29-30	1015	0915	45	74	14	.04	1.1	.46	.295	.026	78	93
NOV 30-												
DEC 04	1020	0920	7.9	--	--	.03	.84	1.3	.090	.024	96	130
14-15	1030	0530	--	--	--	.02	.66	1.8	.045	.013	120	170
15-18	0630	0930	--	--	--	.04	.67	1.8	.065	.014	210	130
18-20	1040	0040	--	--	--	.03	.78	2.1	.060	.017	230	150
20-21	0140	0940	--	--	--	.05	.70	1.7	.110	.023	190	99
21-24	1020	0920	--	--	--	.03	.92	2.7	.090	.028	110	120

STREAMS TRIBUTARY TO IRONDEQUOIT CREEK

04232046 THOMAS CREEK AT FAIRPORT, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988--continued

DATE	TIME	ENDING TIME	TUR- BID- ITY (NTU)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN,AM- MONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
JAN												
12...	0300	--	--	--	--	0.19	1.0	2.0	0.075	0.016	140	170
13...	0100	--	2.5	--	--	.31	1.3	2.0	.075	.038	260	160
15-17	1525	1025	19	--	--	.17	.91	2.0	.080	.035	200	150
17-19	1125	1025	12	--	--	.22	1.3	1.6	.120	.021	290	120
19-22	1045	0945	17	--	--	.23	1.2	1.3	.150	.037	150	80
29-30	1225	1225	1.5	--	--	.02	.56	2.1	.040	.008	140	160
JAN 30-												
FEB 01	1325	0925	2.6	--	--	.04	.70	1.7	.070	.008	130	130
01-05	1010	0910	2.9	--	--	.04	.69	1.5	.040	.008	170	100
05-08	1130	1030	2.7	--	--	.03	.84	1.9	.045	.008	190	140
11-15	1030	0330	1.8	--	--	.06	.67	1.9	.035	.007	190	250
15-16	0430	0930	13	--	--	.11	.92	1.4	.090	.009	360	81
16...	1030	--	22	--	--	.05	.48	1.0	.035	.010	100	48
16-19	1050	0950	4.6	--	--	.14	1.1	1.9	.070	.013	170	81
19-21	1030	1530	4.6	--	--	.13	.97	1.9	.070	.002	180	84
22-26	1235	1135	2.7	--	--	.01	.89	2.0	.050	.011	120	90
FEB 29-												
MAR 03	1300	1100	1.9	--	--	.01	.79	2.2	.050	.005	150	110
24-25	1230	1930	2.2	--	--	< .01	.77	1.4	.045	.002	180	100
25-28	2030	1130	19	--	--	< .01	1.2	1.1	.170	.009	95	70
28-31	1235	1135	1.6	--	--	< .01	.87	1.2	.070	.005	90	89
MAR 31-												
APR 03	1220	1520	2.4	--	--	.02	.90	1.0	.045	.005	100	98
03-04	1620	1120	55	100	21	.05	1.3	.78	.410	.016	70	40
04-07	1200	0600	10	--	--	.02	1.1	1.1	.150	.018	70	61
07-11	1145	1045	2.1	--	--	.01	.87	1.2	.050	.003	95	80
28-29	1120	1020	3.5	--	--	< .01	.92	.76	.055	.008	110	100
APR 29-												
MAY 02	1120	1020	5.0	--	--	< .01	1.1	.70	.070	.008	97	84
12-13	1115	1015	2.5	--	--	.05	1.0	.29	.055	.009	97	130
13-13	1115	1815	3.5	--	--	.05	1.4	.30	.075	.011	99	140
16-16	1125	1625	2.8	--	--	.06	.94	.24	.065	.014	100	130
16-19	1725	1025	5.1	--	--	.06	1.4	.37	.095	.013	97	110
20...	0910	--	7.3	--	--	.05	1.1	.45	.095	.031	92	89
20-23	1450	1050	7.5	--	--	.03	1.1	.38	.095	.024	90	92
23-27	1735	1135	7.4	--	--	.01	1.1	.34	.100	.020	100	130
JUN												
01-03	1325	1225	9.7	--	--	.03	1.3	.43	.140	.029	91	150
20-22	1155	1655	12	--	--	.08	.97	.37	.150	.024	120	210
22-22	1755	2055	60	163	40	.15	2.2	.65	.405	.036	75	120
23-25	1200	1500	10	--	--	.03	1.4	.33	.095	.026	90	190
25-27	1600	1100	9.8	--	--	.02	1.5	.36	.130	.031	97	170
JUL												
14-15	1140	0640	22	--	--	.02	1.4	.23	.220	.028	89	210
15-17	0740	0240	13	--	--	.02	1.0	.17	.115	.032	92	230
17-17	0340	1040	22	--	--	.02	1.0	.31	.220	.031	73	160
17-18	1140	1040	24	--	--	.02	1.1	.17	.165	.036	68	170
18...	1210	--	21	--	--	.02	.69	.34	.100	.063	54	100

STREAMS TRIBUTARY TO IRONDEQUOIT CREEK

04232046 THOMAS CREEK AT FAIRPORT, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988--continued

DATE	TIME	ENDING TIME	TUR- BID- ITY (NTU)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN,AM- MONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
JUL--continued												
18...	1215	--	25	--	--	0.02	1.1	0.25	0.155	0.043	54	120
18-20	1220	2020	10	--	--	.03	1.2	.16	.165	.044	64	120
20-21	2120	1120	14	--	--	.04	1.1	.23	.240	.018	57	120
21-23	1150	1850	5.8	--	--	.05	1.1	.19	.155	.049	77	130
23-25	1950	1050	14	--	--	.03	1.2	.18	.180	.052	68	96
25-28	1145	1045	6.0	--	--	< .01	1.1	.17	.185	.043	82	150
AUG												
04...	1135	--	1.4	--	--	.015	1.0	.37	.115	.050	100	200
04...	1140	--	2.7	--	--	.015	1.1	.21	.275	.037	97	210
15...	1105	--	3.7	--	--	< .01	.69	.28	.140	.069	83	240
15...	1110	--	6.6	--	--	< .01	.85	.17	.110	.046	80	210
22-23	1130	1330	2.5	--	--	.02	.71	.22	.120	.056	81	240
23-25	1430	1030	5.7	--	--	.015	.90	.17	.070	.043	85	270
25-28	1140	0240	2.1	--	--	.03	.68	.16	.085	.031	78	160
28-29	0340	1040	5.1	--	--	.035	.68	.18	.060	.033	66	150
29...	1130	--	8.2	--	--	.29	.54	.45	.105	.047	66	150
29...	1135	--	6.1	--	--	< .01	.59	.33	.100	.041	70	150
AUG 29-												
SEP 02	1150	1050	--	--	--	.04	--	.22	--	--	84	120
02-04	1135	0235	2.5	--	--	.04	.75	.19	.100	.037	100	170
04-04	0335	1435	4.9	--	--	.02	1.0	.21	.090	.033	100	170
04-06	1535	1035	4.0	--	--	.02	.72	.15	.090	.034	110	220
06-08	1140	1040	3.3	--	--	.012	.48	.22	.085	.025	110	170
12...	1125	--	1.3	< 5	< 5	< .01	.47	.26	.055	.025	110	220
12...	1130	--	2.3	5	< 5	< .01	.51	.14	.050	.016	110	230
12-13	1140	1940	2.4	--	--	.02	.79	.20	.090	.020	88	220
13-15	2040	1040	2.1	--	--	.01	.70	1.5	.080	.022	110	--
15-17	1135	0235	1.6	--	--	.04	.80	.19	.070	.021	88	200
17-19	0335	1035	3.2	--	--	.02	.83	.17	.045	.022	99	220
22-22	1130	2230	2.8	--	--	.02	.88	.19	.080	.027	100	160
22-26	2330	1030	4.6	--	--	.02	.82	.16	.090	.028	100	190

IRONDEQUOIT CREEK MAIN STEM

04232047 IRONDEQUOIT CREEK AT LINDEN AVENUE, EAST ROCHESTER, NY

LOCATION.--Lat 43°07'16", long 77°28'36", Monroe County, Hydrologic Unit 04140101, on left bank 200 ft upstream from bridge on Linden Avenue, 2.2 mi upstream from Allen Creek, and 7.8 mi upstream from mouth.

DRAINAGE AREA.--101 mi², flow from 4.95 mi² noncontributing.

PERIOD OF RECORD.--August 1973 to March 1989 (discontinued).

REVISED RECORDS.--WDR NY-78-1: 1977. WDR NY-81-3: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 341.46 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records rated good to fair except those for estimated daily discharges, which are fair to poor. Prior to 1980, flow of undetermined magnitude diverted from Erie (Barge) Canal into Thomas Creek, a tributary upstream from station; diversion resumed July 20, 1983.

COOPERATION.--Streamflow measurements were obtained and recorder equipment maintained by Monroe County Environmental Health Laboratory, Rochester, N.Y.

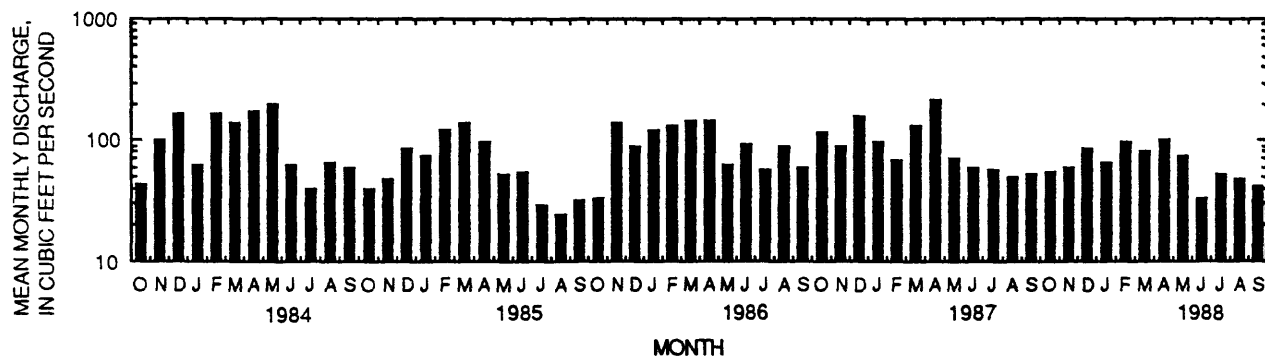
AVERAGE DISCHARGE.--15 years, 91.7 ft³/s, 12.97 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,480 ft³/s, Oct. 29, 1974, gage height, 15.64 ft (result of dewatering of Erie (Barge) Canal through accidental break in canal wall at Bushnell Basin); minimum discharge, 13 ft³/s, Aug. 19, 1985; minimum gage height, 11.15 ft, July 19, 1981, Aug. 6, 1985.

EXTREMES FOR WATER YEARS 1984-88.--Peak discharge above base of 570 ft³/s and annual maximum (*), and minimum:

Water year	Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Minimum discharge (ft ³ /s)	Gage height (ft)
1984	Dec. 14	0945	723	14.09	Mar. 21	1845	694	14.02	Oct. 1-4	28	g11.25
	Feb. 14	1900	872	14.43	May 29	Unknown	*966	*14.63	July 25, 26		
1985	Feb. 24	1945	*848	*14.43					Aug. 6	--	g11.15
									Aug. 19	13	11.19
1986	Jan. 20	1900	*848	*14.43	Apr. 18	0245	742	14.19	Oct. 10	23	11.20
	Mar. 14	0630	579	13.78							
1987	Dec. 3	2215	586	13.80	Apr. 6	1700	*684	*14.05	Aug. 26	36	11.37
1988	Apr. 4	0630	*500	*13.56					July 9, 10, 11	21	11.17

g Minimum gage height



IRONDEQUOIT CREEK MAIN STEM

04232047 IRONDEQUOIT CREEK AT LINDEN AVENUE, EAST ROCHESTER, NY--continued

RECORD QUALITY.--Fair except those for period of no gage-height record Nov. 2 to Dec. 5, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	41	e98	e66	e58	e66	251	82	146	42	29	40
2	28	e42	e98	e68	e60	e64	303	75	115	41	38	46
3	28	e54	e98	e68	e64	e62	220	72	101	39	35	59
4	28	e66	e100	68	e78	e62	156	349	94	42	35	50
5	e41	e110	e103	69	e96	e68	274	474	80	83	33	43
6	e47	e110	232	e70	e88	e84	369	248	78	57	31	40
7	e39	e96	336	e68	e76	e76	236	146	68	47	41	37
8	37	e82	191	e66	e68	e68	160	149	62	43	33	37
9	38	e74	134	e64	e68	e66	125	183	57	40	30	35
10	37	e80	117	e62	e70	e68	107	138	55	43	29	35
11	36	e200	107	e58	e110	e66	96	110	51	46	36	110
12	35	e230	185	e56	284	e64	88	219	49	44	77	98
13	e40	e110	392	e58	442	e66	86	235	48	39	66	64
14	e82	e100	680	e62	724	e64	89	314	49	37	129	204
15	e54	e110	560	e60	721	e66	143	229	48	34	206	116
16	41	e130	283	e58	371	e120	182	145	46	34	137	88
17	39	e110	187	e60	224	e250	205	116	46	33	122	65
18	37	e98	141	e64	176	e190	160	106	66	41	62	55
19	37	e96	110	e58	153	e150	126	99	82	35	72	50
20	36	e94	e94	51	144	167	130	92	54	33	63	46
21	35	e94	e86	e50	125	545	114	94	48	32	48	42
22	35	e94	e94	e54	112	556	94	e90	46	31	56	40
23	e58	e92	e90	e56	106	307	91	e140	47	30	125	39
24	e66	e92	e84	e64	100	189	140	223	58	29	76	39
25	e54	e90	e80	e72	94	155	492	136	54	28	53	40
26	45	e88	e76	e72	88	135	355	99	48	28	45	62
27	e68	e130	e74	e66	e80	115	174	85	45	50	41	51
28	e62	e180	e72	e64	e70	106	136	e98	44	40	60	44
29	48	e110	e70	e62	e66	129	123	e700	44	35	119	41
30	43	e100	e68	e62	---	145	103	e620	44	32	54	40
31	41	---	e66	e60	---	163	---	e230	---	30	47	---
TOTAL	1343	3103	5106	1936	4916	4432	5328	6096	1873	1218	2028	1756
MEAN	43.3	103	165	62.5	170	143	178	197	62.4	39.3	65.4	58.5
MAX	82	230	680	72	724	556	492	700	146	83	206	204
MIN	28	41	66	50	58	62	86	72	44	28	29	35
CFSM	.45	1.08	1.72	.65	1.77	1.49	1.85	2.05	.65	.41	.68	.61
IN.	.52	1.20	1.98	.75	1.90	1.72	2.06	2.36	.73	.47	.79	.68
CAL YR 1983	TOTAL	30406	MEAN	83.3	MAX	680	MIN	20	CFSM	.87	IN.	11.78
WTR YR 1984	TOTAL	39135	MEAN	107	MAX	724	MIN	28	CFSM	1.11	IN.	15.16

e Estimated

IRONDEQUOIT CREEK MAIN STEM

04232047 IRONDEQUOIT CREEK AT LINDEN AVENUE, EAST ROCHESTER, NY--continued

RECORD QUALITY.--Good except those for estimated daily discharges with ice effect, which are fair.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	37	56	325	e45	121	404	46	108	35	27	31
2	48	42	53	328	e43	114	226	45	59	33	24	26
3	44	40	55	167	e40	e94	144	43	44	35	23	23
4	40	43	51	107	e37	e74	137	41	39	34	21	21
5	38	56	45	e84	e40	e96	144	42	49	30	21	53
6	37	50	44	e72	e39	e110	128	76	51	35	21	36
7	36	43	e44	e66	e37	e110	99	85	46	35	21	22
8	37	40	44	e60	e35	239	85	73	43	32	21	47
9	37	39	46	e60	e37	394	80	73	45	33	22	48
10	37	54	50	e58	e41	245	75	76	44	32	23	73
11	37	68	63	e54	e46	181	72	73	39	30	24	43
12	35	57	70	54	e52	231	68	71	138	35	23	35
13	35	49	82	54	e60	329	65	78	128	29	23	33
14	35	47	78	54	e60	216	65	68	89	29	23	29
15	35	45	68	e52	e56	155	64	54	61	35	33	27
16	34	44	63	e52	e52	123	61	41	65	37	20	26
17	33	43	57	e49	e52	e110	57	41	77	30	16	26
18	38	41	51	e50	e52	e96	56	43	63	27	15	25
19	39	40	49	e50	e49	e92	118	50	48	25	15	24
20	45	38	53	e44	e50	96	151	44	42	25	14	24
21	45	37	51	e39	e50	87	104	50	56	25	16	23
22	49	37	116	e41	100	81	84	42	42	26	17	23
23	43	37	104	e44	429	81	72	37	37	24	17	23
24	40	37	73	e46	766	85	64	35	34	22	20	25
25	38	37	e62	e47	603	88	58	33	31	22	39	25
26	42	50	e48	e46	289	78	56	34	30	27	35	24
27	42	68	e49	e48	189	71	55	40	28	28	53	45
28	40	70	72	e50	e120	102	55	46	29	24	32	37
29	42	76	262	e49	---	119	54	42	47	23	31	29
30	40	58	413	47	---	94	51	36	38	22	40	26
31	37	---	223	e47	---	171	---	65	---	25	45	---
TOTAL	1219	1423	2595	2344	3469	4283	2952	1623	1650	904	775	952
MEAN	39.3	47.4	83.7	75.6	124	138	98.4	52.4	55.0	29.2	25.0	31.7
MAX	49	76	413	328	766	394	404	85	138	37	53	73
MIN	33	37	44	39	35	71	51	33	28	22	14	21
CFSM	.41	.49	.87	.79	1.29	1.44	1.02	.55	.57	.30	.26	.33
IN.	.47	.55	1.01	.91	1.34	1.66	1.14	.63	.64	.35	.30	.37
CAL YR 1984	TOTAL	34820	MEAN	95.1	MAX	724	MIN	28	CFSM	.99	IN.	13.49
WTR YR 1985	TOTAL	24189	MEAN	66.3	MAX	766	MIN	14	CFSM	.69	IN.	9.37

e Estimated

IRONDEQUOIT CREEK MAIN STEM

04232047 IRONDEQUOIT CREEK AT LINDEN AVENUE, EAST ROCHESTER, NY--continued

RECORD QUALITY.--Good except those for estimated daily discharges, which are fair.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	28	195	e50	60	e66	62	64	48	47	132	35
2	26	28	229	e50	90	e60	60	63	71	133	118	35
3	26	28	154	e48	92	e66	57	57	49	75	85	33
4	25	94	107	e48	94	e76	60	56	41	57	67	32
5	38	265	89	e47	279	79	85	55	51	49	52	33
6	30	291	87	e47	e220	92	186	53	54	43	47	32
7	27	178	82	e47	e130	80	136	53	150	42	123	31
8	26	100	78	e47	e96	72	121	51	170	42	383	31
9	24	93	76	e52	e82	67	104	50	101	40	125	30
10	25	174	76	e48	e72	148	102	49	65	37	102	30
11	26	200	96	e47	e68	410	107	48	53	36	285	34
12	25	142	136	e47	e66	231	121	46	190	61	133	33
13	32	206	148	e46	e64	327	102	44	213	56	85	34
14	30	190	123	e45	e62	558	83	42	142	71	65	32
15	43	204	e90	e44	e60	459	115	43	96	51	55	45
16	39	166	e80	e43	e58	294	349	81	81	43	93	81
17	33	224	e76	59	e58	181	700	74	91	41	102	45
18	30	146	e72	115	84	140	494	55	62	53	80	38
19	74	102	e68	242	211	142	192	53	59	75	56	36
20	55	85	e62	714	376	129	170	185	209	87	50	39
21	38	73	e60	749	496	97	202	163	153	55	48	39
22	34	79	e60	318	330	87	146	100	103	44	58	37
23	32	106	e58	190	188	89	112	80	112	40	48	123
24	46	94	e58	116	129	87	97	68	74	37	52	75
25	45	76	e56	104	109	82	87	61	59	36	43	51
26	36	102	e56	e86	e88	79	81	54	52	36	41	44
27	33	206	e54	e76	e78	82	76	49	56	41	42	47
28	30	187	e54	e72	e70	82	72	46	58	36	40	45
29	29	141	e52	e70	---	76	66	42	57	46	38	204
30	28	139	e52	e64	---	70	63	39	57	153	37	363
31	28	---	e52	e58	---	64	---	38	---	142	36	---
TOTAL	1039	4147	2736	3789	3810	4572	4408	1962	2777	1805	2721	1767
MEAN	33.5	138	88.3	122	136	147	147	63.3	92.6	58.2	87.8	58.9
MAX	74	291	229	749	496	558	700	185	213	153	383	363
MIN	24	28	52	43	58	60	57	38	41	36	36	30
CFSM	.35	1.44	.92	1.27	1.42	1.54	1.53	.66	.96	.61	.91	.61
IN.	.40	1.61	1.06	1.47	1.48	1.77	1.71	.76	1.08	.70	1.05	.68
CAL YR 1985	TOTAL	26873.9	MEAN	73.6	MAX	766	MIN	14	CFSM	.77	IN.	10.41
WTR YR 1986	TOTAL	35533	MEAN	97.4	MAX	749	MIN	24	CFSM	1.01	IN.	13.77

e Estimated

IRONDEQUOIT CREEK MAIN STEM

04232047 IRONDEQUOIT CREEK AT LINDEN AVENUE, EAST ROCHESTER, NY--continued

RECORD QUALITY.--Good except those for estimated daily discharges, which are fair.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	212	62	84	74	e62	e290	268	117	52	45	47	42	
2	133	83	191	74	e62	533	297	100	62	53	53	45	
3	137	79	542	74	e76	312	238	93	54	58	67	45	
4	336	78	462	e62	e84	177	355	91	53	51	54	43	
5	290	68	234	e66	e80	142	616	81	52	45	60	41	
6	192	70	154	e68	e78	e130	648	74	52	92	50	40	
7	125	66	139	90	e76	213	572	67	71	113	46	40	
8	96	63	200	100	e82	265	315	63	78	143	44	48	
9	84	69	239	90	e88	193	213	81	62	74	123	49	
10	76	63	334	86	e94	e110	161	94	58	56	98	43	
11	68	63	211	89	e88	e100	132	87	56	49	60	42	
12	65	65	134	88	e80	e90	142	65	65	45	51	56	
13	209	62	e98	86	e76	e86	283	56	91	47	45	55	
14	227	58	e94	96	e72	83	237	54	66	63	42	47	
15	152	56	92	243	e68	81	155	89	57	65	41	43	
16	106	57	94	321	e66	77	127	68	52	50	39	42	
17	101	59	94	e160	e64	73	115	61	49	45	40	63	
18	120	59	120	e110	e62	72	109	60	47	42	40	111	
19	100	57	120	e100	e60	72	104	62	47	41	47	81	
20	85	56	101	e94	e58	71	106	59	45	65	60	70	
21	77	74	87	e90	e54	69	96	57	44	52	42	61	
22	72	75	78	e84	e60	70	87	89	102	44	40	52	
23	69	75	73	e80	e64	71	91	95	112	42	39	49	
24	67	107	80	e76	e60	70	127	67	61	44	39	46	
25	63	104	207	e74	e56	83	115	61	52	45	38	44	
26	62	178	170	e72	e49	118	91	60	66	47	37	43	
27	65	344	121	e70	e49	103	86	59	61	46	46	42	
28	82	215	99	e68	e48	98	291	55	49	44	48	52	
29	74	127	90	e66	---	90	277	51	49	43	59	47	
30	73	99	83	e64	---	90	164	48	48	57	46	113	
31	67	---	77	e62	---	192	---	47	---	52	43	---	
TOTAL	3685	2691	4902	2977	1916	4224	6618	2211	1813	1758	1584	1595	
MEAN	119	89.7	158	96.0	68.4	136	221	71.3	60.4	56.7	51.1	53.2	
MAX	336	344	542	321	94	533	648	117	112	143	123	113	
MIN	62	56	73	62	48	69	86	47	44	41	37	40	
CFSM	1.24	.93	1.65	1.00	.71	1.42	2.30	.74	.63	.59	.53	.55	
IN.	1.43	1.04	1.90	1.15	.74	1.64	2.56	.86	.70	.68	.61	.62	
CAL YR	1986	TOTAL	38889	MEAN	107	MAX	749	MIN	30	CFSM	1.11	IN.	15.07
WTR YR	1987	TOTAL	35974	MEAN	98.6	MAX	648	MIN	37	CFSM	1.03	IN.	13.94

e Estimated

IRONDEQUOIT CREEK MAIN STEM

04232047 IRONDEQUOIT CREEK AT LINDEN AVENUE, EAST ROCHESTER, NY--continued

RECORD QUALITY.--Good except those for estimated daily discharges, which are fair.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1	131	44	125	e59	94	e66	70	90	48	28	35	40	
2	78	45	90	e58	119	71	68	76	50	27	35	36	
3	74	45	74	e58	95	84	124	69	43	26	34	35	
4	67	46	77	e57	e80	77	478	73	47	25	32	60	
5	54	46	72	e57	e74	69	306	73	41	24	38	57	
6	50	47	65	e56	e70	73	160	73	37	24	36	47	
7	54	46	60	e52	e68	72	114	71	38	23	32	41	
8	52	46	57	e50	e62	71	104	59	38	23	32	35	
9	49	66	67	e49	e60	79	100	54	38	23	32	35	
10	47	54	73	e47	e58	86	89	48	36	22	29	34	
11	72	48	65	e46	e56	75	78	46	35	22	30	33	
12	60	47	58	e45	e56	64	73	46	32	23	29	33	
13	51	46	55	e44	e58	62	70	46	30	23	28	38	
14	47	51	53	e42	e58	60	71	e46	29	36	28	36	
15	46	47	81	e42	e110	57	74	e46	28	33	28	34	
16	45	44	109	e42	169	56	69	e70	27	26	28	33	
17	44	44	100	e50	151	54	66	152	27	134	33	70	
18	44	51	83	e76	137	54	65	78	27	76	37	51	
19	42	45	75	111	140	54	61	93	27	40	35	40	
20	43	45	196	182	197	55	60	94	26	34	32	39	
21	52	44	244	211	e160	51	66	183	25	73	30	38	
22	52	42	146	112	e150	48	65	153	33	49	29	38	
23	53	43	103	66	e140	53	68	90	58	43	51	87	
24	48	46	88	58	e110	64	75	72	30	335	84	49	
25	52	50	81	52	e98	87	66	63	29	115	54	36	
26	47	65	74	48	e88	282	62	59	29	57	80	33	
27	46	55	68	e44	e80	254	61	56	27	61	49	32	
28	50	50	65	e41	e78	149	64	52	27	57	86	31	
29	47	193	62	e40	e70	99	88	49	29	42	199	31	
30	46	234	e60	e45	---	87	110	46	27	36	100	31	
31	45	---	e60	e50	---	74	---	42	---	38	51	---	
TOTAL	1688	1775	2686	1990	2886	2587	3025	2268	1018	1598	1456	1233	
MEAN	54.5	59.2	86.6	64.2	99.5	83.5	101	73.2	33.9	51.5	47.0	41.1	
MAX	131	234	244	211	197	282	478	183	58	335	199	87	
MIN	42	42	53	40	56	48	60	42	25	22	28	31	
CFSM	.57	.62	.90	.67	1.04	.87	1.05	.76	.35	.54	.49	.43	
IN.	.65	.69	1.04	.77	1.12	1.00	1.17	.88	.39	.62	.56	.48	
CAL YR	1987	TOTAL	30845	MEAN	84.5	MAX	648	MIN	37	CFSM	.88	IN.	11.95
WTR YR	1988	TOTAL	24210	MEAN	66.1	MAX	478	MIN	22	CFSM	.69	IN.	9.38

e Estimated

IRONDEQUOIT CREEK MAIN STEM

04232047 IRONDEQUOIT CREEK AT LINDEN AVENUE, EAST ROCHESTER, NY--continued

WATER QUALITY RECORDS

PERIOD OF RECORD.-- October 1983 to current year.

CHEMICAL DATA: 1983-88(e).

NUTRIENT DATA: 1983-88(e).

COOPERATION.-- Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, N.Y.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ENDING TIME	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
OCT											
03-04	1125	1625	--	--	0.06	0.90	0.70	0.060	0.012	110	300
04-05	1725	1025	--	--	.06	1.0	.88	.030	.014	110	250
05-07	1200	1100	--	--	.10	.60	.84	.060	.013	88	210
08-09	1720	0420	--	--	.09	.70	.73	.020	.016	98	270
13-14	2100	1100	122	1	.05	1.0	.72	.110	.024	57	150
17-19	1345	1045	--	--	.08	.80	.60	.050	.011	100	280
23-24	0250	1050	--	--	.08	.30	.74	.500	.008	81	210
24-26	1205	1105	--	--	.08	.70	.74	.050	.013	91	210
26-28	2215	1115	--	--	.02	.80	.96	.020	.017	88	200
NOV											
02-04	2120	1020	--	--	.03	.70	.70	.040	.010	91	250
04-07	1220	1020	--	--	.03	1.0	1.0	.050	.014	84	150
07-09	1110	1010	--	--	.01	.80	1.2	.080	.018	98	180
10-11	1550	1050	132	1	.01	1.4	1.1	.160	.030	84	96
14-15	1130	1230	--	--	< .01	.90	2.0	.090	.024	93	160
15-16	1330	1030	--	--	< .01	1.0	1.3	.150	.021	87	120
16-18	1330	1130	--	--	< .01	1.3	1.8	.100	.030	80	130
18-20	1215	1715	--	--	< .01	1.1	1.6	.080	.024	85	150
23-25	1125	1025	--	--	< .01	.80	1.4	.050	.012	92	180
25-28	1115	1015	--	--	.02	.60	1.4	.040	.016	91	170
28-30	1200	1100	--	--	.01	1.1	1.1	.120	.019	68	130
NOV 30-											
DEC 02	1215	1115	--	--	.06	.90	1.5	.060	.016	110	150
05-07	1125	1025	101	1	.02	1.3	1.3	.100	.019	120	120
07-08	1125	0615	76	18	< .01	1.0	2.0	.090	.030	84	110
09-12	1600	1000	--	--	.05	.70	1.7	.060	.018	110	170
12-14	1110	1010	--	--	.07	1.5	1.5	.140	.029	68	70
14-16	1045	0945	155	56	.04	1.3	1.4	.120	.031	51	71
16-18	1050	0350	--	--	.05	.80	1.7	.070	.025	77	120
23...	1200	--	--	--	.15	.70	1.8	.050	.012	160	150
JAN											
25...	0955	--	--	--	.10	.80	2.1	.040	.010	290	190
25-26	1055	1955	--	--	.15	1.2	1.2	.080	.009	230	180
FEB											
01...	1005	--	--	--	.07	1.1	1.7	.030	.007	130	210
03...	0925	--	--	--	.07	.80	1.5	< .010	< .005	230	200
06...	1005	--	--	--	< .01	.90	1.4	.050	.007	180	170
14...	1155	--	162	< 2	.14	1.3	1.1	.170	.031	61	53
15...	1030	--	90	11	.09	1.1	1.5	.100	< .005	56	43
17...	1010	--	30	4	.09	1.1	1.8	.060	.027	83	88
21...	1005	--	--	--	.04	.90	1.7	.050	.014	98	120

IRONDEQUOIT CREEK MAIN STEM

04232047 IRONDEQUOIT CREEK AT LINDEN AVENUE, EAST ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984--continued

DATE	TIME	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	RESIDUE VOLA- TILE, SUS- PENDE (MG/L)	NITRO- GEN, AM- MONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
MAR										
05...	1155	--	--	0.03	0.80	1.7	0.040	0.009	210	160
19...	1005	< 2	< 2	.03	1.0	1.3	.070	.005	260	110
21...	1000	98	< 2	.05	1.2	1.3	.160	.016	94	58
22...	0950	82	< 2	.07	1.0	1.8	.150	.018	57	52
23...	0955	--	--	.05	.60	1.6	.080	.014	68	71
26...	0945	--	--	.06	.70	1.6	.020	.007	130	120
28...	0930	--	--	.04	.70	1.5	.010	.006	96	140
30...	1010	--	--	.03	.70	1.3	.040	.005	180	120
APR										
02...	0955	--	--	.01	.60	1.1	.040	.005	96	75
04...	1035	--	--	.03	.80	1.2	.050	.006	90	95
06...	0935	74	8	.04	1.0	1.2	.050	.007	63	71
09...	0925	--	--	.01	.70	1.2	.030	.005	88	130
11...	0930	--	--	.03	.70	1.4	.010	< .005	98	160
16...	0955	--	140	.02	.80	1.0	.050	< .005	110	140
18...	0945	13	< 2	.02	.80	1.0	.050	< .005	100	64
20...	0950	--	--	.07	.80	1.2	.010	< .005	85	160
23...	0945	--	--	.03	.90	1.2	.040	.005	110	210
25...	0905	40	42	.06	2.0	.80	.260	.021	47	60
27...	0935	23	3	.02	.70	.80	.060	< .005	63	91
30...	1045	--	140	.03	.90	1.0	.060	.005	96	140
MAY										
04...	1020	127	12	.04	1.1	.76	.160	.006	54	65
07...	1010	--	--	.04	.90	.90	.040	.005	67	110
09...	1030	--	--	.03	.70	1.0	.040	.016	73	130
14...	1030	72	8	.08	1.0	.80	.060	.015	51	76
23...	1015	--	--	.06	.70	1.0	.040	.018	69	120
29...	1140	388	38	.12	2.4	1.2	.320	.038	33	32
30...	1145	104	11	.05	1.1	.70	.150	.027	30	44
JUN										
01...	1155	41	< 5	.13	1.0	1.2	.050	.007	69	70
04...	1055	17	< 5	.06	.70	1.4	.040	.022	75	140
06...	1020	12	< 2	.06	1.1	1.3	.080	.015	81	140
18...	0940	--	--	.01	1.4	1.8	.040	.006	80	270
20...	0940	--	--	.09	.80	1.4	.010	.006	79	160
25...	0915	--	--	.07	1.0	1.4	.090	.021	82	180
JUL										
05...	0920	--	--	< .01	1.2	1.5	.050	.011	90	190
06...	0925	--	--	.05	1.2	1.1	.040	.020	73	180
09...	0920	--	--	.05	1.0	1.8	.030	.021	84	160
11...	0915	--	--	.03	.70	1.6	.060	.011	54	270
18...	0900	9	< 2	.04	1.1	1.6	.060	.022	79	300
27...	0905	--	--	.04	1.1	1.0	.070	.019	100	210
AUG										
03...	0930	--	250	.05	1.1	1.0	.040	< .005	87	250
08...	0910	--	--	.05	.80	1.1	.030	.022	81	250
13...	0900	--	--	.08	.90	1.0	.050	.030	67	170
15...	0850	81	13	.03	--	.90	.180	.028	43	95
17...	1210	120	27	.05	1.4	1.0	.100	.038	55	120

IRONDEQUOIT CREEK MAIN STEM

04232047 IRONDEQUOIT CREEK AT LINDEN AVENUE, EAST ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984--continued

DATE	TIME	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
AUG--continued										
20...	1150	42	7	0.09	0.90	1.2	0.040	0.030	72	220
22...	1005	--	--	.05	.80	1.0	.020	.017	80	230
24...	0945	--	--	.02	1.0	.80	.160	.026	63	140
29...	0930	360	37	.03	2.0	1.0	.160	.037	45	110
31...	0710	32	7	.05	.80	1.2	.100	.040	53	170
SEP										
04...	1015	--	--	.04	.60	1.2	.020	.014	75	210
06...	1010	--	--	.03	.30	1.2	.030	.010	75	250
07...	0935	--	--	.03	--	1.4	.020	.012	83	240
12...	0940	115	14	.05	1.4	.90	.400	.016	58	140
14...	0935	275	27	.03	2.9	.80	.250	.028	46	110

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
FEB										
22...	1125	--	--	0.07	0.80	1.6	0.080	0.010	220	210
25...	1115	130	11	.09	1.3	1.9	.130	.039	60	47
27...	1130	--	--	.07	1.0	2.0	.220	.026	98	90
MAR										
01...	1140	--	--	.14	.80	2.1	.320	.013	82	130
06...	1120	--	--	.12	.70	2.0	.030	.008	180	140
08...	1140	--	--	.08	.80	1.6	.040	.014	130	110
11...	1025	--	--	.08	.60	2.1	.040	.026	86	100
13...	1130	100	12	.03	1.1	1.8	.090	.020	77	90
15...	1010	--	--	.03	1.2	1.8	.040	.027	91	100
18...	1010	--	--	.02	.60	1.7	.020	.010	120	130
25...	1045	--	--	.08	.70	1.5	.020	.007	90	160
29...	1045	--	--	.05	.70	1.3	.040	.008	92	150
APR										
01...	1125	264	23	.05	2.1	1.1	.320	.022	51	58
04...	1010	--	--	.06	.80	1.8	.030	.010	88	120
19...	1000	82	< 5	.12	1.4	1.4	.100	.005	90	140
MAY										
06...	1015	42	< 5	.26	1.2	1.4	.080	.007	83	140
08...	1010	--	--	.06	.70	1.1	.040	.009	91	140
10...	1010	--	--	.07	.80	1.2	.050	.016	98	160
13...	1020	--	--	.07	.70	1.1	.040	.009	98	150
28...	1015	--	--	.08	.90	1.3	.040	.021	89	190
31...	1005	--	--	.03	.60	1.1	.020	.017	92	210

IRONDEQUOIT CREEK MAIN STEM

04232047 IRONDEQUOIT CREEK AT LINDEN AVENUE, EAST ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985--continued

DATE	TIME	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
JUN										
03...	1055	45	6	0.06	0.90	0.90	0.130	0.027	81	150
05...	1010	61	8	.07	1.1	1.3	.070	.023	97	180
07...	1010	--	--	.08	1.0	1.2	.030	.014	93	160
12...	1025	250	25	.09	1.5	.80	.310	.033	55	100
14...	1020	78	11	.02	.90	1.7	.090	.010	76	100
17...	1110	60	8	.06	.70	1.4	.110	.020	79	140
19...	1020	--	--	.04	.80	1.7	.080	.023	90	160
21...	1045	--	--	.05	1.1	1.5	.030	< .005	88	180
28...	1045	--	--	.10	.40	1.6	.050	.008	100	230
JUL										
08...	1020	--	--	.11	.70	1.3	.070	.027	94	120
12...	1015	--	--	.12	.50	1.3	.100	.016	97	160
17...	1030	--	--	.04	.70	1.2	.080	.009	85	160
26...	1000	--	--	.06	.70	1.0	.060	.017	98	290
AUG										
28...	1035	23	< 10	.06	.70	1.0	.090	.016	79	260
SEP										
06...	1125	40	6	.02	.70	.90	.130	.005	69	170
09...	1105	70	10	.13	.80	1.2	.130	.022	70	170
11...	1035	54	12	.02	1.0	1.1	.130	.006	74	160
27...	1105	--	--	.12	1.1	2.3	.030	.010	76	170

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	TUR- BID- ITY (NTU)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
OCT											
15...	1000	--	18	< 5	0.01	0.70	0.90	0.040	0.023	81	270
21...	1010	--	--	--	.02	.80	.60	.130	.012	87	150
25...	1040	--	--	--	.06	.70	1.0	.050	.005	85	190
NOV											
04...	1010	--	38	8	.03	.80	.50	.150	.045	61	140
06...	1020	--	147	19	.05	1.6	1.2	.190	.056	56	94
08...	1045	--	30	< 5	.04	1.1	1.7	.140	.024	110	150
12...	1045	--	--	--	.05	1.0	2.0	.110	.005	67	130
15...	1105	--	87	12	.11	1.3	1.8	.140	.043	61	120
18...	1030	--	34	6	.04	.90	1.9	.140	.026	64	110
20...	1000	--	--	--	.04	.80	1.8	.040	.024	81	200
27...	1030	--	75	10	.03	1.2	1.6	.110	.046	100	160
29...	1100	--	--	--	.03	.90	1.6	.040	.015	120	160

IRONDEQUOIT CREEK MAIN STEM

04232047 IRONDEQUOIT CREEK AT LINDEN AVENUE, EAST ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986--continued

DATE	TIME	TUR- BID- ITY (NTU)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHOS, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
DEC											
02...	1035	--	111	11	0.03	--	1.7	0.140	0.026	71	110
11...	1105	--	--	--	.08	0.70	1.8	.070	.012	88	160
13...	1105	--	--	--	.12	.80	2.1	.060	.011	96	130
27...	1035	--	--	--	.10	.80	2.0	.030	.007	110	240
30...	1035	--	--	--	.09	.80	2.0	.030	.005	100	200
JAN											
03...	1010	--	--	--	.07	.80	1.8	.030	.011	100	230
10...	1030	--	--	--	.07	.60	2.0	.020	< .005	110	220
17...	1010	--	--	--	.05	.40	1.8	.030	.008	150	200
21...	1050	--	327	39	.09	1.2	1.6	.130	.042	55	62
24...	1015	--	--	--	.08	.70	2.1	.080	.029	81	140
27...	1115	--	--	--	.06	.70	2.2	.040	.006	95	130
FEB											
03...	1025	--	--	--	.08	.70	2.1	.030	.014	170	170
05...	1030	--	127	13	.12	1.4	1.6	.210	.042	120	110
07...	1015	--	--	--	.06	.70	1.8	.050	< .005	90	120
18...	1015	--	--	--	.05	.60	1.9	.030	.006	170	180
19...	1015	--	34	5	.09	1.1	1.7	.060	.017	210	150
21...	1005	--	156	15	.09	1.2	1.6	.090	.029	78	49
24...	1005	--	--	--	.04	.70	2.0	.050	.012	96	140
MAR											
12...	1100	--	--	--	.09	1.0	1.8	.050	.017	71	81
14...	1015	--	240	22	.08	1.5	1.6	.100	.008	62	49
17...	1030	--	--	--	.03	.70	1.8	.050	< .005	72	90
APR											
04...	1050	--	--	--	.08	.60	1.9	.020	.005	98	180
07...	1050	--	--	--	.02	1.1	1.1	.040	.007	80	100
09...	1040	--	--	--	.02	.50	.90	.040	.005	82	120
16...	1030	--	222	20	.04	2.1	1.0	.200	.010	75	66
18...	1030	--	--	--	.02	.50	1.1	.160	.015	42	47
21...	1015	--	--	--	.03	.60	1.2	.040	.007	73	74
23...	1010	--	--	--	.03	.80	1.3	.040	.008	81	120
MAY											
16...	1040	3.9	--	--	.03	1.2	1.3	.090	< .005	86	230
21...	1045	26	--	--	.06	1.6	.8	.030	.012	63	100
JUN											
02...	1010	27	--	--	.10	1.1	1.2	.110	.017	73	93
06...	1015	16	--	--	.09	1.1	1.4	.080	.014	87	200
09...	1055	17	--	--	.06	1.5	1.0	.120	.028	71	120
11...	1000	14	--	--	.07	1.1	1.2	.120	.028	86	190
13...	1015	--	--	--	.10	2.2	1.3	.100	.052	62	110
16...	1000	18	--	--	.06	1.2	1.3	.120	.052	75	180
18...	1005	35	--	--	.05	1.1	1.3	.080	.036	80	170
20...	0955	260	--	--	.04	2.2	1.8	.400	.084	45	82
23...	1015	70	--	--	.10	1.4	1.4	.330	.040	62	120
25...	1045	22	--	--	.06	.90	1.7	.110	.033	82	210
JUL											
03...	1045	37	--	--	.05	1.4	1.2	.060	.021	81	170
14...	1010	19	--	--	.04	.80	1.1	.080	.021	70	170

IRONDEQUOIT CREEK MAIN STEM

04232047 IRONDEQUOIT CREEK AT LINDEN AVENUE, EAST ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986--continued

DATE	TIME	TUR- BID- ITY (NTU)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	RESIDUE VOLA- TILE, SUS- PENDE (MG/L)	NITRO- GEN, DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
AUG											
08...	1105	560	700	64	0.04	2.5	1.5	0.070	0.051	28	69
11...	1100	390	312	59	.05	3.4	.80	.030	.066	43	70
18...	1125	100	--	--	.10	.90	1.1	--	.060	69	130
22...	1030	71	--	--	.02	1.3	1.4	--	.028	77	190
29...	1025	3.3	--	--	.02	1.4	1.2	.040	.013	93	240
SEP											
17...	1045	3.9	--	--	.03	.90	1.2	.060	.012	77	210
23...	1055	95	--	--	.06	1.7	.80	.230	.077	59	120
24...	1040	55	--	--	.07	1.9	1.0	.260	.044	72	150
29...	1100	4.3	--	--	.11	.90	.90	.150	.035	86	200

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	TUR- BID- ITY (NTU)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	RESIDUE VOLA- TILE, SUS- PENDE (MG/L)	NITRO- GEN, DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
OCT											
01...	1020	78	--	--	0.05	1.5	0.50	--	0.047	54	89
03...	1155	13	--	--	.03	1.3	.80	0.070	.040	73	140
06...	1020	24	--	--	.08	1.2	.70	.140	.046	56	100
08...	1030	7.4	--	--	.08	1.0	1.1	.090	.034	76	140
14...	1050	50	--	--	< .01	1.2	.70	.200	.040	57	100
17...	1150	4.6	--	--	.02	.80	1.1	.090	.035	80	150
NOV											
05...	1015	3.8	--	--	.29	.70	.80	.060	.011	82	160
13...	1045	1.9	--	--	.04	.60	1.1	.020	.005	130	200
24...	1035	4.5	--	--	.02	.80	1.2	.030	.007	95	160
26...	1135	--	--	--	.03	.80	1.2	.040	.011	88	180
28...	1030	--	--	--	< .01	1.4	1.0	.200	.031	58	89
DEC											
03...	1050	--	--	--	.02	1.5	.90	.260	.068	63	56
05...	1040	--	--	--	.02	1.1	1.3	.090	.025	65	70
08...	1030	--	--	--	< .01	.60	1.5	.090	.020	79	110
10...	1045	--	--	--	.02	1.2	1.4	.320	.025	78	75
12...	1110	--	--	--	.04	.80	1.7	.040	.016	77	110
19...	1040	--	--	--	.04	.70	1.7	.050	.012	87	130
24...	1055	--	--	--	.06	.90	1.8	.040	< .005	85	160
26...	1120	--	--	--	.05	1.0	1.5	.080	.014	65	83
JAN											
07...	1025	--	--	--	.04	.80	1.6	.020	.007	110	180
15...	1350	--	--	--	.04	1.4	1.3	.170	.008	120	87
16...	1030	--	--	--	.03	1.3	1.4	.200	.020	76	66
FEB											
25...	1045	--	--	--	< .01	.50	1.5	.030	< .005	100	190

IRONDEQUOIT CREEK MAIN STEM

04232047 IRONDEQUOIT CREEK AT LINDEN AVENUE, EAST ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987--continued

DATE	TIME	TUR- BID- ITY (NTU)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
MAR											
02...	1100	--	--	--	0.18	1.9	1.4	0.320	0.037	54	46
04...	1035	--	--	--	.06	.80	2.4	.160	< .005	88	100
06...	1035	--	--	--	< .01	1.2	1.8	.060	.006	92	110
09...	1020	--	--	--	< .01	.40	1.2	.060	.005	64	85
11...	1010	--	--	--	< .01	.70	1.4	.040	.006	85	150
25...	1010	3.2	--	--	< .01	.70	1.2	.030	< .005	80	180
27...	1050	4.3	--	--	.02	.80	1.2	.040	< .005	88	140
31...	1230	--	90	9	.04	1.2	.90	.310	.012	89	89
APR											
01...	1035	40	74	7	.03	1.4	.90	.100	.011	110	82
03...	1105	--	23	3	.03	.90	1.6	.080	.010	88	78
06...	1125	70	249	20	.04	.90	1.2	.440	.019	52	45
08...	1125	18	--	--	.02	.90	1.3	.090	.014	61	63
10...	1100	9.4	--	--	.01	--	1.5	.090	.009	81	--
13...	1020	34	105	9	.08	1.0	1.1	.140	.019	73	91
16...	1250	7.5	--	--	.01	.60	1.0	.060	.008	86	120
24...	1035	16	--	--	.05	.90	1.4	.110	.009	78	120
29...	1045	40	109	14	< .01	1.2	.60	.110	.012	58	64
MAY											
15...	1005	21	--	--	.07	1.7	1.2	.400	.006	77	150
JUN											
01...	1010	16	--	--	.08	.70	1.1	.340	.021	100	210
JUL											
08...	1040	170	332	38	< .01	.90	.90	.250	.050	54	88
10...	1005	35	--	--	.03	1.1	1.0	.260	.040	72	150
15...	1010	30	--	--	.04	.80	.90	.200	.030	73	200
20...	1000	32	--	--	.05	1.2	.80	.160	.030	71	160
27...	1045	7.1	--	--	.02	.70	.70	.060	.020	93	200
AUG											
03...	1030	14	--	--	--	.80	.70	.060	.030	72	200
10...	0950	40	113	18	--	1.8	.70	.210	.035	60	140
19...	1100	6.1	--	--	--	.50	.70	.090	.020	88	220
SEP											
18...	1030	75	158	22	.07	1.2	.80	.220	.030	68	160
21...	1035	32	42	7	.04	.60	.70	.240	.025	75	180
28...	1035	45	64	9	.05	.80	1.0	.110	.020	68	180

IRONDEQUOIT CREEK MAIN STEM

04232047 IRONDEQUOIT CREEK AT LINDEN AVENUE, EAST ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	TIME	TUR- BID- ITY (NTU)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	RESIDUE VOLA- TILE, SUS- PENDE (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
OCT											
02...	1025	16	--	--	0.03	0.50	0.60	0.100	0.024	77	170
13...	1050	38	--	--	.03	.80	.80	.050	.015	84	210
NOV											
06...	1050	1.7	--	--	< .01	.30	.70	.190	.008	92	220
DEC											
04...	1020	8.1	--	--	.05	.70	1.2	.150	.015	150	190
FEB											
26...	1050	3.8	--	--	.02	.50	1.3	.040	.006	140	170
MAR											
03...	1135	2.8	--	--	.01	.50	1.4	.060	.004	120	170
28...	1150	14	--	--	--	.70	1.0	.100	.005	86	110
31...	1125	4.4	--	--	< .01	.70	.80	.050	.003	100	150
APR											
04...	1125	220	482	61	.05	2.1	.80	.610	.022	64	75
06...	1230	16	--	--	.01	.80	1.0	.120	.011	76	100
07...	1110	4.4	--	--	.07	.80	.90	.110	.008	89	130
11...	1115	4.5	--	--	< .01	.60	1.2	.050	.007	120	150
MAY											
02...	1050	6.8	--	--	< .01	.80	.70	.070	.007	90	150
19...	1105	28	--	--	.08	1.1	.70	.110	.018	82	140
23...	1100	17	--	--	.04	1.1	.60	.080	.021	82	120
JUN											
03...	1135	7.7	--	--	.04	.80	1.0	.100	.021	86	210
23...	1125	32	57	10	.08	1.5	.90	.350	.025	78	210
27...	1115	11	--	--	.07	.60	.90	.100	.030	99	250
JUL											
18...	1130	90	--	--	.04	1.7	.40	.250	.029	59	170
21...	1120	60	134	24	.12	1.3	.80	.330	.047	57	130
25...	1115	60	119	21	.07	.90	1.3	.290	.029	53	130
28...	1110	28	--	--	.04	.80	.90	.080	.027	75	210
AUG											
08...	1120	3.1	--	--	.02	.70	.80	.140	.022	94	280
25...	1110	5.1	--	--	.04	.90	.80	.070	.043	78	270
29...	1110	40	--	--	.08	.90	.70	.300	.027	53	150
SEP											
02...	1105	5.7	--	--	.05	.70	.90	.080	.015	95	240
06...	1110	4.9	--	--	.04	.50	.80	.050	.023	93	230
08...	1115	13	--	--	.02	1.2	.90	.080	.020	100	230
19...	1110	2.1	--	--	.02	.70	.80	.040	.016	87	250

STREAMS TRIBUTARY TO IRONDEQUOIT CREEK
04232050 ALLEN CREEK NEAR ROCHESTER, NY

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

DRAINAGE AREA.--30.1 mi², flow from 3.5 mi² noncontributing.

PERIOD OF RECORD.--November 1959 to current year.

REVISED RECORDS.--WRD NY 1974: 1972(M), 1973(M, P). WDR NY-76-1: 1960-75 (M, P), 1960-63, 1972-74.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 323.54 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Records rated good to fair except those for periods of estimated daily discharges, which are fair to poor. Discharge prior to January 1980 included undetermined diversion (maximum 20 ft³/s) from Erie (Barge) Canal upstream from station. January 1980 to present, diversion reduced to a maximum of 3 ft³/s for use by several golf courses adjacent to stream. Several measurements of water temperature were made during each year.

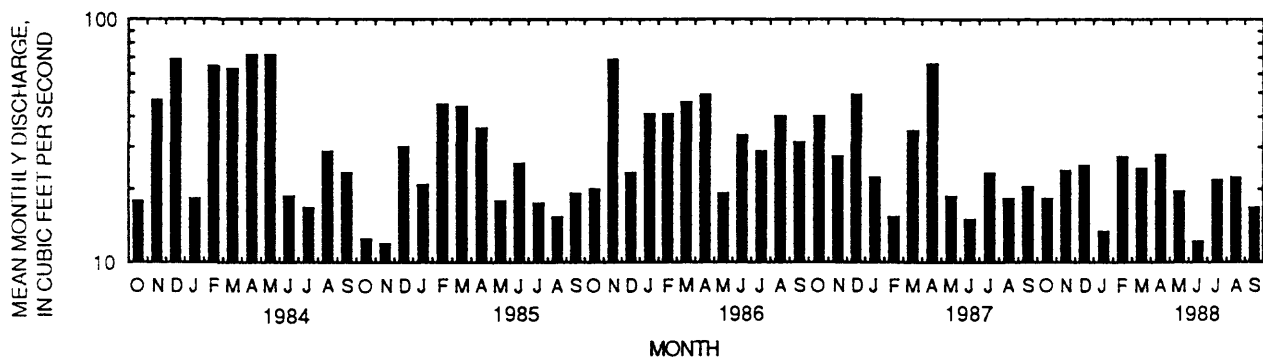
COOPERATION.--Streamflow measurements were obtained and recorder equipment maintained by Monroe County Environmental Health Laboratory, Rochester, N.Y.

AVERAGE DISCHARGE.--29 years (water years 1961-89), 32.1 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,280 ft³/s, May 17, 1974, gage height, 7.42 ft, from rating curve extended above 1,000 ft³/s on basis of contracted-opening measurement of peak discharge and step-backwater analysis; minimum daily, 1.7 ft³/s, Jan. 24, 1963; minimum gage height, 1.16 ft, Feb. 19, 1962.

EXTREMES FOR WATER YEARS 1984-88.--Peak discharges greater than base discharge of 450 ft³/s and annual maximum (*), and minimum:

Water year	Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Minimum discharge (ft ³ /s)	Gage height (ft)
1984	Dec. 14	0400	*774	*4.58	Apr. 25	0300	727	4.51	Oct. 3	9.0	2.07
	Feb. 14	2000	767	4.57	May 4	1115	599	4.32			
	Mar. 21	1845	*774	*4.58	May 29	0715	699	4.47			
1985	Dec. 29	1945	460	4.15	Mar. 31	2245	692	4.55	Nov. 25, 28	5.2	1.93
	Feb. 23	2130	*725	*4.60							
1986	Jan. 20	1100	*955	*4.91	Sept. 29	1645	502	4.23	Feb. 16, 17	7.0	1.99
	Apr. 17	0515	660	4.50							
1987	Dec. 2	2315	491	4.21	July 6	2115	*816	*4.73	May 30, 31	7.4	--
									June 1		
									July 29	--	1.99
1988	Nov. 29	1645	502	4.23	Apr. 4	0215	*507	*4.24	Jan. 12	5.4	1.93



STREAMS TRIBUTARY TO IRONDEQUOIT CREEK

04232050 ALLEN CREEK NEAR ROCHESTER, NY--continued

RECORD QUALITY.--Fair.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.8	13	29	e18	e17	e21	120	20	30	14	12	13
2	9.7	14	25	e18	e17	e20	83	18	24	20	25	19
3	9.4	25	24	e19	e19	e19	61	19	21	26	23	25
4	14	46	24	e19	e26	e18	56	355	19	20	16	15
5	41	83	38	24	e28	e22	190	155	17	59	14	15
6	24	51	201	e27	e26	e27	115	58	19	25	13	14
7	14	30	142	e22	e24	e24	68	41	15	17	29	13
8	14	23	66	e19	e22	e22	54	88	17	15	16	13
9	18	19	53	e17	e19	e19	45	75	17	15	14	12
10	12	37	48	e17	e19	e19	41	43	e17	18	16	14
11	11	204	39	e17	e74	e18	34	37	e17	18	24	123
12	13	120	164	e16	140	e18	31	70	e17	15	41	37
13	27	53	206	e17	238	e18	30	60	e17	14	81	29
14	45	37	419	e17	432	e19	30	112	e16	13	63	62
15	16	83	164	e16	238	e20	71	53	e16	13	26	36
16	13	108	94	e15	82	e70	94	40	e16	12	90	27
17	12	71	63	e15	58	e110	80	33	e16	12	43	20
18	12	45	45	e15	52	e68	59	30	e23	27	22	18
19	12	34	e29	e14	45	53	47	29	e29	13	32	16
20	11	30	e24	e14	46	100	52	26	e20	12	22	16
21	11	34	e23	e14	38	456	41	26	e16	12	17	15
22	12	25	e24	e14	33	204	32	26	15	11	42	14
23	39	19	e26	e15	31	93	34	140	15	11	66	13
24	20	17	e23	e21	29	59	94	79	34	11	26	14
25	15	16	e20	e24	28	56	362	38	22	11	19	14
26	15	14	e19	e24	e24	47	76	29	18	11	16	28
27	39	13	e18	e22	e21	37	40	23	16	27	14	16
28	18	46	e20	e18	e16	34	38	47	15	15	16	16
29	15	51	e19	e18	e17	54	28	357	15	13	15	14
30	14	34	e18	e18	---	81	23	70	15	12	15	14
31	14	---	e18	e17	---	101	---	40	---	12	14	---
TOTAL	549.9	1395	2125	561	1859	1927	2129	2237	564	524	882	695
MEAN	17.7	46.5	68.5	18.1	64.1	62.2	71.0	72.2	18.8	16.9	28.5	23.2
MAX	45	204	419	27	432	456	362	357	34	59	90	123
MIN	9.4	13	18	14	16	18	23	18	15	11	12	12
CAL YR 1983	TOTAL	11606.4	MEAN	31.8	MAX	419	MIN	5.8				
WTR YR 1984	TOTAL	15447.9	MEAN	42.2	MAX	456	MIN	9.4				

e Estimated

STREAMS TRIBUTARY TO IRONDEQUOIT CREEK

04232050 ALLEN CREEK NEAR ROCHESTER, NY--continued

RECORD QUALITY.--Good except those for Oct. 1 to Dec. 12, which are fair and estimated daily discharges with ice effect, Jan. 6 to Feb. 11, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	11	11	208	e7.6	23	237	14	41	18	17	15
2	17	13	8.2	76	e7.2	e22	82	14	21	17	14	15
3	15	11	14	43	e7.0	e16	61	13	18	19	14	15
4	13	14	9.8	33	e7.0	e10	53	13	17	17	13	e14
5	13	18	6.8	27	e7.2	e35	e58	13	26	16	13	e23
6	13	14	e6.4	e20	e7.2	e27	e42	36	20	30	12	e21
7	13	12	e6.2	e17	e7.0	e22	e33	23	17	23	14	e17
8	14	11	e6.8	e15	e6.8	181	e29	20	16	17	13	e39
9	14	11	7.8	e14	e7.2	115	25	18	18	21	12	e28
10	13	21	11	e14	e7.6	54	21	17	17	20	13	e33
11	13	26	18	e13	e8.4	42	20	16	16	18	14	e21
12	11	17	25	e12	11	97	18	17	99	28	13	21
13	11	15	43	e11	17	95	18	17	42	18	13	18
14	11	13	28	e11	e16	42	17	15	25	18	13	16
15	11	13	30	e10	e15	33	17	15	20	28	25	15
16	11	14	24	e9.4	e13	24	16	15	32	20	17	e15
17	11	13	23	e9.0	13	e20	14	14	34	17	13	15
18	13	12	21	e9.4	13	e17	15	17	26	16	13	e15
19	11	12	21	e9.4	e13	e17	61	18	19	15	12	15
20	11	12	25	e8.2	e11	18	34	15	17	14	13	e15
21	12	11	e18	e7.2	e12	13	22	20	16	14	13	15
22	16	6.0	54	e9.6	66	12	20	15	19	14	14	15
23	12	5.8	26	e9.2	381	11	20	15	25	13	13	15
24	11	5.7	22	e7.4	361	15	26	15	24	13	16	20
25	11	5.5	e17	e7.6	117	13	22	14	27	12	25	16
26	15	5.4	e14	e7.2	50	18	18	17	26	18	17	16
27	12	5.4	15	e7.0	37	29	16	21	22	15	21	41
28	11	10	35	e7.2	25	59	17	20	24	14	19	19
29	13	15	214	e7.0	---	46	16	17	31	12	21	17
30	11	7.8	125	e7.2	---	30	15	16	18	13	18	16
31	11	---	50	e7.6	---	202	---	40	---	16	19	---
TOTAL	389	360.6	936.0	653.6	1251.2	1358	1063	550	773	544	477	576
MEAN	12.5	12.0	30.2	21.1	44.7	43.8	35.4	17.7	25.8	17.5	15.4	19.2
MAX	17	26	214	208	381	202	237	40	99	30	25	41
MIN	11	5.4	6.2	7.0	6.8	10	14	13	16	12	12	14
CAL YR 1984	TOTAL	13063.6	MEAN	35.7	MAX	456	MIN	5.4				
WTR YR 1985	TOTAL	8931.4	MEAN	24.5	MAX	381	MIN	5.4				

e Estimated

STREAMS TRIBUTARY TO IRONDEQUOIT CREEK

04232050 ALLEN CREEK NEAR ROCHESTER, NY--continued

RECORD QUALITY.--Good except those for estimated daily discharges, which are fair.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	15	87	e8.0	e10	e12	11	12	33	19	78	16
2	16	15	72	e7.8	e30	e12	12	12	38	86	48	16
3	16	17	37	e7.6	24	e12	11	11	17	28	52	16
4	15	78	27	e7.4	31	e16	14	11	14	22	45	16
5	21	292	24	e7.4	157	19	38	11	32	19	28	23
6	16	185	24	e7.4	e50	26	93	11	23	17	23	17
7	16	59	21	e7.4	e26	19	36	10	92	17	44	16
8	15	38	21	e7.4	e22	15	43	9.5	83	18	91	16
9	15	42	19	e7.8	e20	14	28	13	31	17	36	16
10	17	116	21	e8.8	e16	106	35	14	23	16	55	16
11	17	82	35	e8.2	e14	189	32	14	21	15	177	19
12	16	47	46	e8.0	e12	50	31	14	77	34	42	19
13	23	92	41	e7.8	e12	205	23	14	54	23	30	19
14	18	85	35	e7.6	e11	180	18	14	29	32	25	17
15	32	63	27	e7.6	e11	118	64	16	24	19	22	32
16	19	88	22	e8.0	11	60	215	37	29	17	44	54
17	16	84	20	e10	12	41	360	22	27	17	77	21
18	16	43	16	e80	32	34	73	16	21	27	39	19
19	56	34	14	119	107	57	41	22	24	27	26	18
20	25	29	e12	588	140	35	43	105	73	60	23	21
21	19	26	e11	131	181	23	56	44	27	25	23	18
22	20	44	e10	62	65	20	34	28	22	20	29	18
23	19	60	e9.6	40	e40	21	27	23	37	18	21	85
24	36	41	e9.0	27	e28	19	22	19	22	16	23	31
25	29	31	e8.6	e20	e24	18	19	16	20	15	19	23
26	19	62	e8.4	e16	e20	17	18	15	19	15	18	22
27	17	98	e8.2	e13	e18	19	16	14	24	16	20	22
28	16	54	e8.2	e11	e14	17	15	12	22	15	18	20
29	16	52	e8.0	e9.6	---	15	13	11	23	20	18	193
30	16	58	e8.0	e8.6	---	14	12	11	23	72	17	105
31	16	---	e8.0	e8.4	---	12	---	13	---	134	17	---
TOTAL	625	2030	718.0	1267.8	1138	1415	1453	594.5	1004	896	1228	944
MEAN	20.2	67.7	23.2	40.9	40.6	45.6	48.4	19.2	33.5	28.9	39.6	31.5
MAX	56	292	87	588	181	205	360	105	92	134	177	193
MIN	15	15	8.0	7.4	10	12	11	9.5	14	15	17	16
CAL YR 1985	TOTAL	10618.8	MEAN	29.1	MAX	381	MIN	6.8				
WTR YR 1986	TOTAL	13313.3	MEAN	36.5	MAX	588	MIN	7.4				

e Estimated

STREAMS TRIBUTARY TO IRONDEQUOIT CREEK

04232050 ALLEN CREEK NEAR ROCHESTER, NY--continued

RECORD QUALITY.--Good except those for estimated daily discharges, which are fair.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	101	20	17	17	e9.0	191	95	21	8.0	13	13	13
2	41	31	167	e14	e16	133	95	18	12	17	18	13
3	50	24	295	e12	e26	54	53	15	18	16	24	11
4	e120	22	101	e10	e23	37	232	13	e12	13	19	10
5	e80	20	47	e13	e18	31	168	12	e10	12	21	9.4
6	e52	21	30	e12	e20	38	303	14	9.4	127	13	9.2
7	35	20	43	29	e25	56	134	11	20	122	11	9.2
8	27	20	62	27	e30	51	63	9.4	23	39	11	20
9	25	21	106	21	e25	e30	41	20	12	22	106	15
10	23	19	97	22	e22	e17	33	26	11	19	38	11
11	21	22	36	25	e20	e16	27	25	9.8	15	18	10
12	20	22	26	23	e18	e16	56	24	17	12	15	19
13	122	20	e17	23	e16	17	124	17	22	12	12	16
14	61	18	e14	34	e14	16	48	17	10	50	11	12
15	37	18	e16	127	e13	15	34	49	9.6	23	10	11
16	29	18	20	65	e12	14	27	21	8.4	17	9.6	10
17	38	19	20	e30	e11	14	24	18	8.4	13	10	33
18	38	18	39	e22	e10	13	21	20	8.6	12	11	83
19	29	18	29	e20	e9.8	13	19	20	8.8	11	18	29
20	26	18	21	e18	e9.6	13	17	18	9.5	34	28	30
21	24	23	17	e18	e9.4	13	17	18	9.8	15	13	51
22	22	20	15	e14	e9.8	12	15	36	37	12	11	33
23	22	23	13	e13	e12	12	18	28	20	12	9.6	17
24	20	33	24	e12	e12	13	33	19	13	10	9.0	15
25	19	21	98	e11	e11	25	20	18	11	9.9	9.0	15
26	19	100	39	e10	e10	33	16	17	35	11	8.9	12
27	31	106	30	e10	e10	21	15	11	24	10	19	11
28	44	40	25	e9.6	e11	20	117	9.7	15	9.3	16	18
29	28	28	22	e9.4	---	16	50	9.3	15	9.3	31	20
30	26	21	20	e9.2	---	25	30	8.8	21	20	14	49
31	22	---	18	e9.0	---	105	---	8.9	---	14	12	---
TOTAL	1252	824	1524	689.2	432.6	1080	1945	572.1	448.3	731.5	569.1	614.8
MEAN	40.4	27.5	49.2	22.2	15.4	34.8	64.8	18.5	14.9	23.6	18.4	20.5
MAX	122	106	295	127	30	191	303	49	37	127	106	83
MIN	19	18	13	9.0	9.0	12	15	8.8	8.0	9.3	8.9	9.2
CAL YR 1986	TOTAL	13540.3	MEAN	37.1	MAX	588	MIN	7.4				
WTR YR 1987	TOTAL	10682.6	MEAN	29.3	MAX	303	MIN	8.0				

e Estimated

STREAMS TRIBUTARY TO IRONDEQUOIT CREEK

04232050 ALLEN CREEK NEAR ROCHESTER, NY--continued

RECORD QUALITY.--Good except those for estimated daily discharges, which are fair.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	76	11	40	e9.2	26	14	17	20	15	12	10	17
2	34	11	31	e8.8	36	15	15	15	17	11	9.7	15
3	25	13	22	e8.4	21	19	73	16	11	11	13	15
4	18	13	e21	e8.0	15	16	245	15	11	10	18	37
5	16	12	e21	e7.8	e14	14	58	14	10	9.9	18	25
6	14	12	e18	e7.6	e13	14	34	14	9.3	9.6	22	17
7	20	12	e16	7.4	e12	15	25	13	11	10	19	15
8	17	13	15	7.3	11	16	26	12	10	9.3	18	14
9	14	28	23	7.1	e10	19	22	12	9.5	9.3	16	14
10	13	16	22	6.7	e9.8	19	18	12	9.5	9.4	15	13
11	32	14	17	6.5	9.6	15	16	11	9.0	8.3	13	13
12	20	13	15	6.3	e9.4	14	15	11	8.0	8.5	12	13
13	16	12	14	8.1	e9.2	14	14	12	10	9.3	12	15
14	15	12	12	6.8	e9.2	13	14	14	10	28	12	13
15	15	12	36	e6.4	57	12	15	12	11	16	16	12
16	13	11	41	e6.2	55	12	12	20	10	12	12	12
17	13	12	29	e9.0	38	11	11	17	10	143	15	35
18	12	21	21	e17	39	11	12	13	10	33	13	16
19	12	13	17	23	44	11	10	38	10	20	11	14
20	12	14	127	76	94	11	9.4	43	9.4	15	11	13
21	18	13	58	43	e44	9.4	14	110	9.4	77	12	13
22	18	12	30	22	e38	8.7	10	43	18	22	12	13
23	20	12	22	17	e50	9.9	13	25	42	20	38	44
24	15	13	18	14	35	17	14	19	14	60	47	17
25	15	17	17	13	24	34	10	15	14	24	30	14
26	13	31	14	12	19	173	9.2	13	14	18	45	13
27	13	17	13	10	19	106	9.7	13	11	17	17	12
28	14	15	12	9.4	17	41	12	11	11	14	50	12
29	13	220	11	8.4	17	28	40	10	14	13	99	12
30	12	89	10	11	---	22	37	9.8	12	12	32	12
31	12	---	e9.6	16	---	17	---	9.4	---	11	20	---
TOTAL	570	714	772.6	419.4	795.2	751.0	830.3	612.2	370.1	682.6	687.7	500
MEAN	18.4	23.8	24.9	13.5	27.4	24.2	27.7	19.7	12.3	22.0	22.2	16.7
MAX	76	220	127	76	94	173	245	110	42	143	99	44
MIN	12	11	9.6	6.2	9.2	8.7	9.2	9.4	8.0	8.3	9.7	12
CAL YR 1987	TOTAL	9139.2	MEAN	25.0	MAX	303	MIN	8.0				
WTR YR 1988	TOTAL	7705.1	MEAN	21.1	MAX	245	MIN	6.2				

e Estimated

STREAMS TRIBUTARY TO IRONDEQUOIT CREEK
04232050 ALLEN CREEK NEAR ROCHESTER, NY--continued

WATER QUALITY RECORDS

PERIOD OF RECORD--October 1983 to current year.

CHEMICAL DATA: 1983-88(e).

NUTRIENT DATA: 1983-88(e).

COOPERATION--Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, N.Y.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ENDING TIME	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
OCT											
03-04	1100	1600	--	--	0.08	0.60	0.65	0.050	0.016	150	120
04-05	1700	1000	--	--	.09	1.0	.96	.070	.017	130	89
05-07	1130	1030	--	--	.10	.80	.71	.110	.018	74	55
08-09	2055	0755	--	--	.10	.90	.76	.060	.026	95	89
13-14	2030	1030	140	12	.05	1.4	.85	.240	.033	52	42
17-19	1320	1020	--	--	.09	.50	.57	.020	.017	110	100
23-24	0230	1030	--	--	.08	.90	.52	.090	.015	81	71
24-26	1140	1040	--	--	.08	.80	.82	.060	.016	100	78
NOV											
02-04	2055	0955	--	--	.02	1.2	.60	.070	.012	100	76
04-07	1150	0950	--	--	.02	1.2	1.1	.100	.022	89	59
10-14	1530	1030	--	--	.03	1.8	1.2	.130	.029	110	35
15-16	1250	0950	60	8	< .01	1.4	1.3	.200	.051	91	60
16-18	1125	1025	--	--	.01	.90	1.7	.100	.034	92	68
18-21	1150	1050	--	--	< .01	1.1	1.7	.060	.023	110	88
23-25	1105	1005	--	--	< .01	1.0	1.8	.050	.014	120	100
25-28	1050	0950	--	--	< .01	.80	1.7	.040	.020	130	97
28-30	1130	1030	--	--	.01	1.2	1.4	.100	.030	89	65
NOV 30-											
DEC 02	1140	1040	--	--	.01	.70	1.6	.040	.016	290	78
05-07	1100	1000	102	13	< .01	1.4	1.3	.070	.025	220	57
07-09	1050	0950	32	5	.02	.90	1.6	.110	.029	200	87
09-12	1035	0935	--	--	.02	.80	1.5	.070	.024	210	110
12-14	1045	0945	--	--	.10	1.4	1.2	.140	.033	91	41
14-16	1030	0930	43	19	.02	1.1	1.3	.120	.029	82	46
16-19	1035	0935	--	--	.04	.90	1.8	.050	.028	120	98
21-22	1140	1040	--	--	.05	1.1	2.0	.100	.016	300	110
22-23	1140	1040	--	--	.04	1.4	1.4	.150	.016	460	74
JAN											
06-09	1030	0930	--	--	.07	1.2	1.5	.070	.012	370	140
11-11	1125	2225	--	--	.06	.80	1.5	.050	.011	340	130
11-13	2325	1025	--	--	.09	.80	2.2	.050	.011	320	150
24-25	1040	0840	--	--	.16	1.1	1.6	.100	.018	810	150
25-27	0920	0820	--	--	.13	1.3	1.7	.080	.011	620	130
30-31	0935	1035	--	--	.05	1.0	1.5	.050	.009	380	120
FEB											
03-04	0900	1700	--	--	< .01	1.1	1.4	.060	< .005	440	160
03...	0905	--	--	--	.07	.90	1.6	.030	< .005	190	190
04-06	1800	0800	--	--	< .01	1.2	1.8	.090	.010	420	76
10-10	0940	1240	--	--	--	--	--	.040	.019	320	--
10-14	0940	0840	--	--	.12	1.4	1.40	.120	.021	210	66

STREAMS TRIBUTARY TO IRONDEQUOIT CREEK

04232050 ALLEN CREEK NEAR ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984--continued

DATE	TIME	ENDING TIME	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
FEB--continued											
10-10	1340	1640	--	--	--	--	--	0.080	0.015	360	--
10-10	1740	2040	--	--	--	--	--	.060	.014	340	--
10-11	2104	0040	--	--	--	--	--	.080	.016	340	--
11-11	0140	0440	--	--	--	--	--	.120	.014	340	--
11-11	0540	0840	--	--	--	--	--	.080	.014	380	--
11-11	0940	1240	--	--	--	--	--	.080	.009	390	--
11-11	1340	1640	158	23	--	--	--	.340	.011	380	--
11-11	1740	2040	289	37	--	--	--	.420	.021	330	--
11-12	2140	0040	188	23	--	--	--	.620	.037	250	--
12-12	0140	0440	96	12	--	--	--	.200	.033	210	--
12-12	0540	0840	67	9	--	--	--	.230	.037	110	--
12-12	0940	1240	53	8	--	--	--	.100	.033	240	--
12-12	1340	1640	68	7	--	--	--	.150	.031	170	--
12-12	1740	2040	272	35	--	--	--	.410	.037	200	--
12-13	2140	0040	188	22	--	--	--	.270	.033	180	--
13-13	0140	0440	97	14	--	--	--	.160	.034	190	--
13-13	0540	0840	67	11	--	--	--	.130	.027	190	--
13-13	0940	1240	42	4	--	--	--	.130	.028	210	--
13-13	1340	1640	330	34	--	--	--	.360	.035	180	--
13-13	1740	2040	403	44	--	--	--	.460	.031	120	--
13-14	2140	0040	204	17	--	--	--	.270	.038	110	--
14-14	0140	0440	126	12	--	--	--	.230	.039	140	--
14-14	0540	0840	94	9	--	--	--	.260	.035	140	--
14-14	1140	1210	113	4	--	--	--	.140	.018	140	--
14-15	1140	0940	167	21	0.06	1.7	1.3	.190	.034	110	29
14-14	1240	1310	209	17	--	--	--	.170	.027	150	--
14-14	1340	1410	240	20	--	--	--	.180	.030	150	--
14-14	1440	1510	304	27	--	--	--	.210	.034	150	--
14-14	1540	1610	286	26	--	--	--	.240	.033	110	--
14-14	1640	1710	286	30	--	--	--	.300	.034	120	--
14-14	1740	1810	286	23	--	--	--	.480	.040	130	--
14-14	1840	1910	286	30	--	--	--	.350	.042	120	--
14-14	1940	2010	243	22	--	--	--	.140	.042	120	--
14-14	2040	2110	201	22	--	--	--	.200	.049	--	--
14-14	2140	2210	174	17	--	--	--	.230	.038	84	--
14-14	2240	2310	153	16	--	--	--	.240	.047	120	--
14-15	2340	0010	139	10	--	--	--	.180	.045	120	--
15-15	0040	0110	84	9	--	--	--	.130	.043	110	--
15-15	0140	0210	102	6	--	--	--	.150	.044	120	--
15-15	0240	0310	102	13	--	--	--	.120	.043	130	--
15-15	0340	0410	64	12	--	--	--	.190	.041	150	--
15-15	0440	0510	91	10	--	--	--	.130	.039	150	--
15-15	0540	0610	--	--	--	--	--	.090	.039	150	--
15-15	0640	0710	--	--	--	--	--	.110	.034	160	--
15-15	0740	0810	--	--	--	--	--	.090	.029	150	--
15-15	0840	0910	--	--	--	--	--	.100	.028	160	--
15...	0940	--	--	--	--	--	--	.120	.031	170	--
15-15	1010	1310	--	--	--	--	--	.060	.030	130	--
15-17	1010	0910	24	3	.05	1.2	1.8	.060	.022	160	50
15-15	1410	1710	--	--	--	--	--	.050	.030	150	--

STREAMS TRIBUTARY TO IRONDEQUOIT CREEK

04232050 ALLEN CREEK NEAR ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984--continued

DATE	TIME	ENDING TIME	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
FEB--continued											
15-15	1810	2110	--	--	--	--	--	0.060	0.028	160	--
15-16	2210	0110	--	--	--	--	--	.050	.028	160	--
16-16	0210	0510	--	--	--	--	--	.040	.024	160	--
16-16	0610	0910	--	--	--	--	--	.030	.025	170	--
16-16	1010	1310	--	--	--	--	--	.020	.026	170	--
16-16	1410	1710	--	--	--	--	--	.030	.024	180	--
16-16	1810	2110	--	--	--	--	--	.110	.025	180	--
16-17	2210	0110	--	--	--	--	--	.030	.030	180	--
17-17	0210	0510	--	--	--	--	--	.030	.025	170	--
17-17	0610	0910	--	--	--	--	--	.030	.024	180	--
17-21	0950	0850	--	--	0.02	0.90	1.8	.060	.018	180	65
MAR											
05-07	1035	0935	--	--	.04	.90	1.6	.080	.006	400	83
16-16	0940	1440	--	--	--	.80	--	.100	--	--	--
16-19	1540	0840	50	4	.04	1.3	1.6	.120	.011	54	--
19-20	0940	0440	--	--	< .01	1.0	1.4	.050	< .005	230	53
20-21	0540	0840	79	< 2	.02	1.4	1.5	.150	.008	200	52
21-22	0945	0915	122	< 2	.04	1.4	1.3	.150	.024	120	27
22-23	0930	0900	--	--	.02	1.0	2.0	.080	.019	140	40
23-26	0935	0835	--	--	.06	1.4	1.8	.040	.012	150	60
26-28	0920	0820	--	--	.03	1.1	1.6	.050	.008	160	68
28-29	0915	0015	--	--	.03	1.2	1.5	.060	< .005	100	65
29-30	0115	0815	--	--	.07	.80	3.6	.070	.005	260	61
30-30	0955	1755	--	--	.02	.90	1.0	.050	< .005	250	63
MAR 30- APR 02											
02-04	1855	0855	--	--	.01	1.0	1.0	.030	.006	240	58
04-04	0935	0835	--	--	.03	1.1	1.1	.040	.005	170	58
04-04	0950	2050	--	--	.02	.90	1.3	.070	.005	180	77
04-05	2150	0850	103	12	.02	1.5	1.0	.120	.007	150	51
05-06	1010	0910	8	--	.07	1.3	1.3	.090	.009	90	37
06-09	1010	0810	--	--	.09	.80	1.0	.050	.060	150	54
09-11	0910	0810	--	--	.04	1.0	1.5	.030	< .005	170	100
13-15	0920	0220	--	--	.02	1.1	1.1	.010	.005	150	120
15-16	0320	0820	--	--	.02	1.2	.99	.080	< .005	91	74
16-18	0930	0830	45	6	.03	1.1	.89	.090	< .005	86	130
18-20	0920	0820	--	--	.02	1.3	1.1	.070	< .005	140	100
20-23	0930	0830	--	--	.02	1.0	1.0	.050	< .005	150	110
23-24	0925	1625	--	--	.01	1.1	1.0	.040	.010	120	78
24-25	1725	0825	227	28	.04	2.0	.79	.300	.020	65	47
25-27	1410	0910	33	4	.01	1.0	1.2	.080	< .005	98	52
27-28	0920	1720	--	--	.03	.90	1.3	.060	< .005	140	72
28-30	1820	0820	--	--	.02	1.2	1.4	.060	< .005	140	68
MAY											
02-03	0955	2255	--	--	.02	.90	1.4	.040	< .005	160	67
03-04	2355	0855	134	16	.02	1.7	.91	.170	< .005	92	36
04-07	1010	0910	--	--	.06	1.0	1.1	.060	.009	100	37
07-08	0955	1055	--	--	.02	1.0	1.2	.050	.012	100	59
08-09	1155	0855	--	--	.04	1.2	1.0	.110	.035	67	44

STREAMS TRIBUTARY TO IRONDEQUOIT CREEK
04232050 ALLEN CREEK NEAR ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984--continued

DATE	TIME	ENDING TIME	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
MAY--continued											
09-11	1015	0915	--	--	0.05	0.80	0.98	0.050	0.015	120	46
11-11	0950	2050	--	--	.04	1.1	.94	.030	.009	120	71
11-13	2150	1750	--	--	.05	.90	1.0	.110	.009	100	51
13-14	1850	0850	--	--	.05	1.4	.70	.080	.018	73	34
14-16	1010	0910	--	--	< .01	.70	1.4	.040	.014	110	56
16-18	0950	0850	--	--	.04	1.0	1.2	.030	.014	120	66
21-22	1005	0905	--	--	.02	1.0	1.1	.040	.016	110	70
22-23	2005	0905	43	9	.01	1.0	1.0	.050	.014	80	65
23-25	1005	0905	--	--	.05	1.1	.74	.080	< .005	90	40
25-28	0955	0855	--	--	.02	.90	1.2	.030	.007	81	66
28-29	0955	0855	--	--	.08	1.0	1.1	.070	.014	90	40
29-30	1125	1025	107	10	.04	1.5	1.2	.140	.022	71	32
MAY 30-											
JUN 01	1140	1040	16	< 5	.04	.90	1.1	.060	.007	100	36
01-04	1130	1030	8	< 6	.03	.70	1.6	.040	.025	120	84
04-06	0950	0850	3	< 2	.04	1.4	1.7	.140	.018	130	130
15-18	0925	0825	--	--	.03	1.6	1.4	.150	.023	100	180
18-20	0925	0825	--	--	.05	1.3	1.3	.090	.022	97	71
24-25	1800	0800	76	10	.07	1.4	1.4	.100	.025	97	110
JUL											
04-05	1525	0825	--	--	.07	.70	1.7	.030	.022	51	190
05-06	0900	0800	147	17	.01	1.4	.90	.130	.020	59	54
06-09	0905	0805	--	--	.02	1.0	1.2	.070	.023	86	160
09-11	0905	0805	--	--	.03	.90	1.4	.070	.024	110	150
18-18	0050	0750	9	< 2	.03	.60	1.6	.030	.018	56	290
27-27	0500	0800	--	--	.04	1.2	.89	.060	.013	100	150
AUG											
01-02	0835	0335	--	--	.02	1.0	1.2	.030	.012	94	240
02-03	0435	0735	--	--	.07	1.3	1.1	.060	.010	85	190
06-07	0850	0350	--	--	.03	.70	.90	.070	.020	97	150
07-08	0450	0750	--	--	< .01	1.0	.97	.080	.026	63	98
10-11	0830	1930	--	--	.06	1.0	1.3	.090	.030	110	97
11-13	2030	0730	--	--	.01	1.2	.69	.140	.027	78	63
13-14	0845	1145	77	11	< .01	--	.80	.170	.027	64	69
13-15	0845	0745	--	--	--	1.2	--	--	--	--	--
14-15	1245	0745	--	--	< .01	--	.83	.160	.010	73	55
15-16	0835	0935	--	--	.03	1.0	1.0	.080	.034	110	80
16-17	1035	0735	230	24	.05	1.6	.90	.230	.038	59	48
17-19	1145	0445	--	--	.01	1.0	1.1	.100	.037	96	85
19-20	0545	1045	--	--	.02	.90	.90	.150	.029	78	64
20-22	1130	0930	--	--	.03	1.1	.92	.080	.028	96	91
22-22	0950	2050	--	--	.03	1.0	1.1	.110	.031	89	76
22-24	2150	0850	110	10	< .01	1.2	.74	.180	.025	71	55
27-28	1005	1705	--	--	.01	.80	1.2	.070	.032	90	110
28-29	1805	0805	--	--	.02	.80	1.2	.060	.029	77	100
29-31	0915	0615	48	8	.02	.90	1.2	.060	.057	96	150
SEP											
07...	0910	--	--	--	.03	--	.96	.070	.015	120	120
07-10	0910	0810	--	--	.02	.50	.84	.040	.013	78	120

STREAMS TRIBUTARY TO IRONDEQUOIT CREEK

04232050 ALLEN CREEK NEAR ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984--continued

DATE	TIME	ENDING TIME	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
SEP--continued											
10-11	0920	0620	--	--	0.04	0.50	0.96	0.400	0.060	7.0	83
11-12	0720	0820	200	19	.08	1.5	.77	.290	.076	51	42
12-13	0930	1630	--	--	.03	1.0	.86	.080	.014	95	90
13-14	1730	0830	121	12	.03	1.3	.80	.130	.017	67	62
SEP 28-											
OCT 01	0920	0820	--	--	< .01	.60	.89	.020	.009	100	110

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	ENDING TIME	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
FEB											
21-21	1330	2330	--	--	0.06	2.0	1.4	0.090	0.012	460	99
22-22	1050	1250	105	15	--	--	--	.160	.005	450	--
22-24	1050	0950	250	22	.16	2.6	1.8	.440	.028	300	42
22...	1110	--	--	--	.07	1.5	1.5	.100	< .005	500	90
22-22	1350	1550	105	15	--	--	--	.200	< .005	550	--
22-22	1650	1850	369	44	--	--	--	.210	.005	590	--
22-22	1950	2150	508	60	--	--	--	.220	.007	490	--
22-23	2250	0050	377	41	--	--	--	.310	.008	260	--
23-23	0150	0350	246	32	--	--	--	.200	.015	310	--
23-23	0450	0650	175	20	--	--	--	.260	.020	290	--
23-23	0750	0950	234	29	--	--	--	.220	.020	280	--
23-23	1050	1250	492	50	--	--	--	.390	.014	220	--
23-23	1350	1550	575	60	--	--	--	.420	.020	200	--
23-23	1650	1850	500	54	--	--	--	.360	.027	180	--
23-23	1950	2150	406	46	--	--	--	.210	.039	160	--
23-24	2250	0050	293	34	--	--	--	.310	.033	130	--
24-24	0150	0350	196	< 25	--	--	--	.210	.038	160	--
24-24	0450	0950	260	18	--	--	--	--	.039	170	--
25...	1050	--	32	< 5	.09	1.3	2.1	.140	.038	200	42
25-25	1430	1930	33	< 11	--	--	--	.390	.032	200	--
25-27	1430	1030	--	--	.13	1.2	3.1	.350	.029	230	59
25-26	2030	0130	33	< 20	--	--	--	.430	.031	200	--
26-26	0230	0730	< 12	< 12	--	--	--	.340	.024	200	--
26-26	0830	1330	17	< 12	--	--	--	.340	.029	200	--
26-27	1430	1030	< 10	< 10	--	--	--	.280	.026	220	--
FEB 27-											
MAR 01	1010	0910	--	--	.12	1.3	2.2	.150	.019	190	62
01...	1120	--	--	--	.09	1.0	2.4	.100	.015	250	90
01-04	1530	1030	--	--	.07	1.3	2.2	.080	.014	220	60
04-06	1110	1010	47	8	.13	1.3	2.0	.040	.006	380	70
06-07	1100	0800	--	--	.10	1.1	1.7	.050	.012	350	70

STREAMS TRIBUTARY TO IRONDEQUOIT CREEK

04232050 ALLEN CREEK NEAR ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985--continued

DATE	TIME	ENDING TIME	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	RESIDUE VOLA- TILE, SUS- PENDE (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
MAR--continued											
07-08	0900	1000	--	--	0.04	0.90	1.6	0.040	0.018	310	60
08-11	1120	0920	89	21	.04	1.0	1.9	.080	.026	170	50
11-13	1000	0900	67	11	.03	1.3	1.8	.110	.028	170	40
13-15	1120	0920	--	--	.02	1.8	1.7	.050	.020	180	63
15-18	0955	0855	--	--	.03	1.0	2.0	.030	.010	200	78
25-26	1020	1520	--	--	.01	1.2	1.3	.040	.005	240	79
26-27	1620	0920	--	--	.01	1.1	1.4	.040	.009	200	97
27-28	1025	1125	--	--	.05	.80	1.3	.020	.011	180	130
28-29	1225	0925	--	--	.05	1.5	.95	.220	.011	160	72
29-31	1030	1230	30	< 5	.05	1.1	1.2	.030	.009	130	93
MAR 31-											
APR 01	1330	0930	402	< 12	.04	2.5	.87	.370	.015	77	38
01-03	1005	0905	88	< 5	.04	1.2	1.9	.060	.016	130	63
17-19	0950	0850	--	--	.04	.80	1.3	.050	.005	170	130
19-22	0945	0845	61	< 5	.20	1.2	1.6	.110	.010	140	72
24-26	1045	0945	--	--	.13	1.5	.87	.050	.031	150	120
MAY											
03-05	0955	2355	--	--	.05	1.0	.73	.030	< .005	170	150
06-06	0055	0855	101	< 8	.10	1.6	1.4	.090	< .005	160	120
06-08	1000	0900	--	--	.09	1.2	1.2	.080	.008	140	70
24-26	1015	1315	--	--	.04	1.3	1.2	.060	.024	130	96
26-28	1415	0915	--	--	.04	1.2	1.2	.110	.024	120	94
30-31	0955	0855	78	10	.02	1.1	1.4	.230	.023	130	110
MAY 31-											
JUN 03	0940	0840	246	28	.04	1.8	1.4	.510	.038	120	78
03-05	1020	0920	--	--	.04	1.2	1.2	.080	.024	150	110
05-07	0950	0850	64	8	.05	1.2	2.1	.100	.031	140	94
10-11	1005	2305	--	--	.03	.90	1.1	.130	.020	140	95
12-12	0005	0905	439	48	.04	2.3	1.0	.150	.011	85	66
12-14	1005	0905	155	16	.20	1.0	1.5	.180	.005	120	65
14-16	1000	1500	--	--	.04	.80	1.4	.100	.019	150	98
16-17	1600	0900	148	17	.04	1.6	1.3	.160	.021	110	69
21-22	1015	1515	--	--	.08	.90	1.0	.080	.030	160	65
22-24	1615	0915	--	--	.09	--	--	.070	.022	160	120
24-26	1020	0920	--	--	.02	1.2	1.1	.080	.024	160	130
26-28	1020	0920	--	--	.03	.90	1.0	.080	< .005	150	110
28-29	1030	0930	--	--	.08	1.1	1.0	.110	.007	140	130
JUN 29-											
JUL 01	1030	0930	--	--	.03	.90	.88	.080	.009	110	83
03-03	0955	1655	--	--	.06	--	1.2	.100	.029	130	100
03-05	1755	0855	63	< 5	.10	--	1.3	.100	.018	130	85
05-06	1320	0320	--	--	.14	.90	.95	.080	.029	130	91
08...	1005	--	--	--	.06	.80	1.3	.090	.029	130	82
08-09	1535	1635	--	--	.04	.90	1.0	.130	.018	130	100
09-10	1735	0935	124	19	.03	1.4	1.7	.170	< .005	110	81

STREAMS TRIBUTARY TO IRONDEQUOIT CREEK

04232050 ALLEN CREEK NEAR ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985--continued

DATE	TIME	ENDING TIME	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDE (MG/L)	RESIDUE VOLA- TILE, SUS- PENDEDE (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
JUL--continued											
10-10	1010	1510	--	--	0.11	0.50	1.1	0.120	0.011	120	84
10-12	1610	0910	59	8	.11	.90	1.3	.140	.022	140	88
12-15	1000	0900	--	--	.10	1.0	1.2	.110	.023	130	95
15-15	1030	1330	--	--	.20	.60	.82	.080	< .005	140	110
15-17	1430	0930	95	13	.14	.90	1.2	.160	.017	120	91
24-26	0945	0845	49	9	.01	.80	.87	.140	.018	130	120
26-29	0950	0850	--	--	.07	.70	.93	.110	.059	120	110
29-31	0945	0845	30	6	.04	.40	1.0	.140	.018	140	110
AUG											
26-26	1015	1915	--	--	.02	.90	.80	.170	.032	130	77
26-28	2015	0915	107	19	.02	1.7	.74	.180	.032	110	67
30-30	1000	1600	--	--	.01	.70	.72	.080	.019	120	93
AUG 30-											
SEP 03	1700	0900	--	--	.02	.80	.81	.170	.032	120	92
03-04	1005	2105	38	6	.28	1.5	.90	.110	.020	120	95
04-06	2205	0905	156	22	.04	1.8	.97	.170	.020	96	68
06-08	1105	0705	51	13	.04	2.0	1.0	.170	.023	120	88
08-09	0805	1005	33	27	.08	2.2	.98	.300	.018	88	68
09-11	1050	0950	112	22	.02	1.6	.91	.200	.024	85	66
25-26	1040	2140	--	--	.06	1.1	.62	.100	.008	97	110
26-27	2240	0940	--	--	.08	1.5	1.0	.290	.010	96	68
27-30	1050	0950	38	7	.05	1.1	.78	.110	.010	97	90

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	ENDING TIME	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEDE (MG/L)	RESIDUE VOLA- TILE, SUS- PENDEDE (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
OCT											
04-05	1000	0300	--	--	0.02	1.0	0.60	0.110	0.006	120	98
05-07	0400	0900	--	--	.01	1.0	.62	.150	.011	110	83
11-13	0950	0850	34	< 5	.05	1.3	1.0	.110	.011	120	95
13-15	0950	0450	43	6	.01	1.2	.66	.130	.012	110	63
15-15	0550	0850	--	--	.08	1.5	1.4	.100	.019	110	71
15-18	0955	0855	54	7	.03	1.1	.59	.100	.014	120	43
18-19	0950	0250	--	--	.05	1.0	.96	.080	.007	160	110
19-21	0350	0850	89	13	.03	1.7	.75	.100	.015	130	63
23-24	1015	0915	--	--	.06	1.1	.56	.100	.013	120	110
24-25	1015	0915	128	17	.04	1.6	.47	.120	.018	87	65
25-28	1020	0920	--	--	.03	.90	.62	.070	.017	110	88

STREAMS TRIBUTARY TO IRONDEQUOIT CREEK

04232050 ALLEN CREEK NEAR ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986--continued

DATE	TIME	ENDING TIME	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
NOV											
01-03	1005	2105	--	--	0.04	1.0	0.62	0.090	0.013	110	110
03-04	2205	0905	141	18	.03	1.3	.61	.090	.024	72	68
04-06	0950	0850	702	33	.05	2.5	.88	.240	.048	56	39
06-08	1000	0900	66	8	.03	1.4	1.7	.170	.031	150	52
08-08	1010	2110	--	--	.04	1.2	1.5	.100	.016	170	100
08-11	2210	0910	67	8	.03	1.1	1.6	.140	.023	130	80
11-12	1230	0930	43	6	.06	1.2	2.1	.120	.028	100	92
12-14	1020	0620	85	12	.08	1.4	1.9	.150	.034	91	79
14-15	0720	0920	82	14	.20	1.3	3.2	.190	.040	82	56
15-16	0950	2050	56	9	.04	1.2	1.9	.060	.027	97	87
16-18	2150	0850	58	10	.03	1.3	1.7	.100	.033	79	49
18-20	1015	0915	--	--	.04	--	2.0	--	.029	110	99
22-22	1005	1205	--	--	.04	1.1	1.7	.080	.025	130	--
22-25	1305	0905	--	--	.06	1.3	2.0	.100	.026	180	96
25-26	0955	1055	--	--	< .01	1.0	1.7	.090	.032	180	91
26-27	1155	0855	105	14	.04	1.5	1.5	.150	.059	280	70
27-29	1015	0915	31	< 5	.02	1.1	1.6	.100	.024	190	79
29-29	1030	1530	--	--	.03	--	1.7	.070	.025	240	81
NOV 29-											
DEC 02	1630	0930	--	--	.03	--	1.8	.070	.033	150	62
02-04	1020	0920	--	--	.02	--	1.8	.160	.028	160	85
09-10	1010	1310	--	--	.04	1.0	1.9	.120	.021	170	92
10-11	1410	0910	--	--	.02	1.1	2.2	.130	.018	170	87
11-13	1035	0935	--	--	.07	1.2	1.9	.130	.016	320	78
13-16	1050	0950	--	--	.07	1.0	1.9	.100	.030	340	85
27...	1005	--	--	--	.04	.90	2.1	.040	.012	320	120
30...	1000	--	--	--	.04	1.0	2.0	.030	.005	270	110
JAN											
03...	0950	--	--	--	.02	1.0	1.7	.080	.010	240	120
10...	1010	--	--	--	.03	.80	1.7	.030	.008	310	120
16-17	1345	0845	--	--	.01	.90	1.5	.060	.006	390	140
17-17	0935	1635	--	--	.03	.80	1.4	.040	.005	400	120
17-19	1735	1235	156	16	.05	1.7	1.6	.190	.013	340	73
19-20	1335	1635	437	48	.02	2.9	1.5	.720	.021	200	48
20-21	1735	0835	139	14	.04	1.8	1.7	.200	.028	210	46
21-24	1030	0930	--	--	.07	1.2	2.2	.150	.023	220	59
24-27	1005	0905	--	--	.02	.60	2.4	.090	.009	240	82
JAN 31-											
FEB 01	1030	1830	--	--	.04	.40	2.3	.060	.006	260	95
01-03	1930	0930	--	--	.09	.80	2.2	.100	< .005	790	75
03-04	1010	1710	--	--	.03	.80	1.9	.150	.008	480	82
04-05	1810	0910	174	24	.05	1.6	1.4	.440	.017	360	64
05-07	1055	0855	45	7	.03	1.2	1.6	.120	.017	210	71
07-10	0950	0850	--	--	.02	.80	1.7	.050	.011	360	78
14-18	0945	0845	--	--	.02	.90	1.9	.050	.007	360	120
18-19	0955	0855	36	7	.05	1.1	1.8	.110	.008	620	80
19-20	0945	1245	--	--	.08	1.3	1.5	.070	.019	250	35
20-21	1345	0845	--	--	.05	1.1	1.5	.050	.027	180	39
21-24	0950	0850	--	--	.02	1.0	1.9	.160	.020	250	32
24-26	0955	0855	--	--	.05	.90	2.2	.060	.014	290	98

STREAMS TRIBUTARY TO IRONDEQUOIT CREEK

04232050 ALLEN CREEK NEAR ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986--continued

DATE	TIME	ENDING TIME	TUR-BID-ITY (NTU)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L)	RESIDUE VOLA-TILE, SUS-PENDED (MG/L)	NITRO-GEN,AM-MONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SULFATE DIS-SOLVED (MG/L AS SO ₄)
MAR												
05-06	0940	1640	--	--	--	0.01	1.0	1.7	0.080	< 0.005	340	110
06-07	1740	0840	--	--	--	.02	1.2	1.5	.120	< .005	530	84
07-10	1030	0930	--	--	--	.02	.90	1.8	.030	< .005	590	120
10-11	1015	0515	--	425	46	.06	2.5	1.6	.130	.018	520	55
11-12	0615	0915	--	--	--	.02	1.3	1.7	.300	.018	220	55
12-13	1025	0725	--	--	--	.06	1.1	1.6	.070	.018	220	54
13-14	0825	0925	--	325	27	.04	1.5	1.4	.030	.019	150	52
14-17	0955	0855	--	--	--	.03	1.2	1.6	.090	.022	170	47
19-21	1355	0855	--	--	--	.03	1.0	1.6	.070	< .005	200	29
APR												
02-03	0945	0945	--	--	--	.09	1.2	1.6	.090	.016	220	84
04-05	1500	1700	--	--	--	.06	1.2	1.4	.050	< .005	210	92
05-07	1800	1000	--	136	15	.03	1.7	1.2	.270	.009	180	54
07-08	1035	0135	--	--	--	.02	1.2	1.1	.050	.008	220	61
08-09	0235	0935	--	--	--	.01	.90	1.1	.060	.008	200	74
14-15	0955	0655	--	--	--	.02	1.3	1.0	.090	.005	220	63
15-16	0755	0855	--	138	17	< .01	2.0	1.0	.260	< .005	150	46
16-18	1015	0915	--	183	20	.01	1.6	1.1	.160	< .005	100	30
18-20	0955	1755	--	--	--	.04	.60	1.4	.050	< .005	160	54
20-21	1855	0855	--	--	--	.02	.80	1.3	.050	< .005	140	52
21-23	1000	0900	--	--	--	.02	1.2	1.2	.050	.009	150	54
MAY												
14-15	1025	1925	3.8	--	--	< .01	1.4	1.1	.060	< .005	150	110
15-16	2025	0925	3.5	--	--	.02	2.1	2.0	.070	.006	130	120
16-19	1015	0915	8.2	--	--	.03	1.3	1.1	.090	.007	150	93
19-19	1030	1730	45	--	--	.03	1.2	1.6	.100	.007	170	100
19-21	1830	0930	38	171	21	.02	1.7	1.0	.100	.010	120	82
21-23	1035	0935	15	--	--	.01	1.2	1.1	.080	.005	90	85
23-26	1025	2325	2.3	--	--	< .01	1.2	1.4	.090	.021	160	96
MAY 30-												
JUN 01	1015	1815	19	--	--	.07	1.2	1.4	.110	.019	150	55
01-02	1915	0915	90	--	--	.06	2.1	1.1	.280	.032	82	30
02-04	0955	0855	20	--	--	.03	1.4	1.2	.130	.032	160	89
04-05	1010	1110	15	--	--	.04	1.3	1.8	.110	.021	170	120
05-06	1210	0910	40	--	--	.07	2.2	1.6	.200	.014	110	77
06-07	1000	1500	9.9	--	--	.08	1.5	1.3	.070	.014	150	82
07-09	1600	0900	110	--	--	.05	2.4	1.4	.170	.029	86	68
09-11	1030	0930	27	--	--	.05	1.7	1.7	.060	.027	130	86
11-12	0945	0445	--	--	--	.04	1.2	1.3	.120	.033	110	81
12-13	0545	0845	--	--	--	.06	3.0	1.4	.130	.050	74	46
13-16	1000	0900	--	--	--	.03	1.6	1.5	.070	.040	110	60
16-16	0945	1845	130	--	--	.02	1.7	1.6	.240	.043	100	60
16-18	1945	0845	100	--	--	.02	1.3	1.5	.260	.039	98	60
18-19	0950	1450	60	--	--	< .01	1.6	1.2	.180	.039	100	71
19-20	1550	0850	150	--	--	< .01	2.0	1.1	.280	.041	74	51
23...	0955	--	50	--	--	.07	1.4	.89	.230	.029	91	42
23-25	1615	1015	40	--	--	.03	1.4	1.2	.140	.027	110	75
27-29	1630	2130	33	--	--	.04	1.6	1.1	.060	.035	120	91
29-30	2230	1030	32	--	--	.02	1.5	.96	.140	.029	110	89

STREAMS TRIBUTARY TO IRONDEQUOIT CREEK

04232050 ALLEN CREEK NEAR ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986--continued

DATE	TIME	ENDING TIME	TUR- BID- ITY (NTU)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN,AM- MONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
JUN 30-												
JUL 01	1135	2235	22	--	--	0.02	1.2	0.98	0.030	0.011	120	97
01-03	2335	0935	32	--	--	< .01	1.6	.83	.130	.019	92	63
03-07	1035	0935	19	--	--	.05	3.2	.98	.080	.040	130	110
07-07	1045	1345	19	--	--	.03	1.1	1.9	.050	.021	120	100
07-09	1445	0945	22	--	--	.03	1.2	1.3	.040	.021	130	100
11-12	1010	0310	18	--	--	.01	.74	1.8	.110	.024	140	110
12-13	0410	2110	37	--	--	< .01	1.1	1.3	.090	.026	96	88
13-14	2210	0910	38	--	--	< .01	1.5	1.1	.060	.022	110	93
14-14	0955	1855	30	--	--	< .01	1.1	2.0	.070	.031	94	72
AUG												
06-07	1045	1545	23	--	--	.14	1.4	1.2	.130	.009	110	82
07-08	1645	0945	410	760	70	.05	2.5	1.7	.110	.052	53	41
15-16	1615	0015	25	--	--	.07	1.9	.98	.080	.017	110	81
16-16	0115	1215	38	--	--	.10	.60	1.2	--	.014	88	65
16-17	1315	0315	91	--	--	.12	1.9	1.2	.260	.021	67	54
17-18	0415	1015	130	200	22	.10	2.1	1.2	.040	.038	74	54
20-21	1035	2135	38	--	--	< .01	1.1	1.2	--	.025	110	96
21-22	2235	0935	55	92	12	< .01	1.5	1.1	--	.010	86	79
27-29	1120	0920	22	--	--	< .01	1.4	.97	.110	.020	120	100
SEP												
02-04	1020	1820	12	--	--	.02	1.1	.67	.100	.014	120	90
04-05	1920	0920	27	--	--	< .01	1.6	.79	.120	.015	120	90
15-17	1100	1000	9.5	--	--	.01	1.6	.10	.130	--	82	75
17-19	1020	0920	23	--	--	.24	1.0	.10	.160	.025	110	86
22-23	1110	0110	25	--	--	.04	1.2	.83	.140	.021	100	110
23-24	0210	1010	340	408	42	.06	2.6	1.1	.800	.092	78	68
24-26	1025	0925	26	--	--	< .01	2.0	.98	.290	.035	130	86
26-29	1040	0340	36	52	8	.01	.91	.93	.190	.031	100	94
29-29	0440	0940	--	82	12	.04	.99	1.7	.270	.025	100	89
29-30	1045	1945	250	139	56	.04	3.3	.96	--	.055	67	63
SEP 30-												
OCT 01	2045	0945	120	248	30	.05	2.2	.76	--	.052	63	53

STREAMS TRIBUTARY TO IRONDEQUOIT CREEK

04232050 ALLEN CREEK NEAR ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	ENDING TIME	TUR- BID- ITY (NTU)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN,AM- MONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
OCT												
01-03	1005	0905	35	67	10	< 0.01	1.4	1.1	0.060	0.049	95	67
03-04	1115	1615	150	--	--	.13	2.8	.81	.560	.058	66	62
04-06	1715	0915	44	115	15	.07	1.6	1.0	.280	.066	72	54
06-08	1010	0910	23	--	--	.06	1.2	1.2	.160	.062	94	62
08-10	1020	0920	23	--	--	< .01	1.2	1.4	.140	.030	100	81
10-13	1025	0125	19	--	--	.05	1.1	1.1	.140	.020	100	72
13-14	0225	0925	85	164	27	.02	1.5	.92	.290	.050	66	50
14-17	1040	0940	25	--	--	< .01	1.3	1.1	.200	.038	97	67
17-20	1140	1040	21	--	--	.01	1.5	1.0	.350	.027	100	70
27-27	0950	1450	24	--	--	.03	1.1	1.1	.131	.020	110	71
27-29	1550	0850	40	63	9	.01	1.2	.73	.162	.021	91	63
OCT 31-												
NOV 02	1035	0035	3.9	--	--	.02	1.2	.96	.089	.017	120	110
02-03	0135	0935	4.5	--	--	.14	1.2	.94	.141	.017	110	120
19-20	1030	1730	7.9	--	--	.02	1.2	1.3	.066	.007	170	100
20-21	1830	0930	8.0	--	--	.02	1.3	1.4	.055	.005	400	110
21-23	1035	1835	5.1	--	--	< .01	1.2	1.1	.058	.006	430	120
23-24	1935	0935	8.9	--	--	< .01	1.8	.87	.100	.007	220	86
24-26	1025	0925	4.9	--	--	< .01	.91	1.0	.060	.006	160	80
26-28	1120	0920	40	158	20	< .01	2.1	.84	.540	.029	100	48
NOV 28-												
DEC 01	1015	0915	4.7	--	--	< .01	1.3	1.7	.070	.030	140	61
01-02	1025	1325	3.0	--	--	.10	1.3	1.4	.070	.011	200	78
02-03	1425	0925	75	225	30	.04	3.4	.75	.540	.099	150	41
03-05	1035	0935	38	64	9	< .01	1.3	1.4	.140	.030	150	41
05-07	1020	1820	10	--	--	< .01	1.1	1.7	.080	.020	150	63
07-08	1920	0920	34	--	--	< .01	1.2	1.4	.140	.025	140	44
08-09	1010	0910	18	--	--	.01	1.1	1.5	.110	.020	200	57
09-10	1010	0910	50	--	--	< .01	1.6	1.2	.295	.050	270	46
10-12	1035	0935	15	--	--	.02	1.4	1.6	.080	.025	140	65
12-15	1100	1000	8.0	--	--	.04	1.4	1.9	.060	.014	200	78
17-18	1030	0530	2.6	--	--	.04	.89	1.6	.090	.013	170	70
18-19	0630	0930	22	--	--	< .01	1.2	1.5	.130	.023	190	63
24-24	1050	1950	18	--	--	.04	1.2	1.8	.075	.012	160	81
24-26	2050	0950	40	--	--	.02	1.5	1.4	.170	.031	110	51
JAN												
05-07	1135	0935	--	--	--	.01	1.0	1.8	.080	.008	250	86
07-09	1010	0910	--	--	--	.01	1.3	1.5	.050	.007	260	71
14-14	1030	1530	--	--	--	< .01	1.1	1.3	.090	< .005	350	70
14-16	1630	0930	--	--	--	< .01	1.7	1.2	.210	.009	210	49
16-20	1015	0915	--	--	--	< .01	1.2	1.6	.060	.008	200	57
FEB												
06-09	1125	1025	--	--	--	< .01	1.4	1.6	.070	.005	340	67
23-25	0950	0850	--	--	--	< .01	.96	1.4	.080	.005	460	82
27-28	1230	2030	--	--	--	< .01	1.2	1.1	.040	< .005	270	79

STREAMS TRIBUTARY TO IRONDEQUOIT CREEK

04232050 ALLEN CREEK NEAR ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987--continued

DATE	TIME	ENDING TIME	TUR- BID- ITY (NTU)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLATILE, SUS- PENDED (MG/L)	NITRO- GEN,AM- MONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
FEB 28-												
MAR 02	2130	1030	--	--	--	0.04	1.9	1.1	0.610	0.027	190	47
02-04	1050	0950	--	--	--	.05	1.4	1.6	.160	< .005	170	62
04-06	1020	0920	--	--	--	< .01	1.1	1.6	.080	.006	200	50
06-09	1500	1000	--	--	--	< .01	.93	1.3	.085	.006	130	50
09-10	1010	0410	--	--	--	< .01	1.3	1.1	.090	< .005	140	54
25-25	1000	1300	3.8	--	--	.05	1.2	1.5	.090	< .005	190	79
25-27	1400	0900	11	--	--	.01	1.7	1.0	.140	< .005	230	62
30-30	1055	1255	6.5	--	--	.05	1.4	1.0	.070	.006	180	70
30-31	1355	0655	30	44	7	.02	1.4	.85	.100	.006	180	56
MAR 31-												
APR 01	0755	0955	50	125	15	.03	1.9	.82	.195	.011	250	41
01-02	1020	0520	28	--	--	.03	1.4	.95	.170	.008	220	42
02-03	0620	0920	19	--	--	.34	1.3	1.1	.110	.010	210	47
03-04	1040	0640	5.0	--	--	.04	1.2	1.2	.065	.010	190	52
04-06	0740	0940	60	220	19	.04	2.1	1.1	.285	.017	120	34
06-08	1110	1010	40	107	12	.03	1.5	1.3	.260	.020	110	36
08-10	1110	1010	5.6	--	--	< .01	--	1.9	.100	.010	150	57
10-12	1045	1545	2.6	--	--	.03	1.1	1.7	.055	< .005	170	62
12-13	1645	0045	33	101	15	< .01	1.5	.94	.195	< .005	110	39
13-13	0145	0945	50	155	18	.03	1.4	.83	.235	.011	81	30
13-16	1005	0905	12	--	--	.03	1.2	.95	.066	.009	130	49
22-23	1010	1710	5.9	--	--	< .01	1.1	1.4	.148	.006	180	71
23-24	1810	0910	14	--	--	.01	1.3	1.6	.116	< .005	160	58
24-27	1020	0920	3.9	--	--	.01	.88	1.2	.056	.005	160	58
27-27	1040	2140	1.9	--	--	< .01	1.1	1.1	.032	< .005	180	64
27-29	2240	0940	45	125	18	< .01	1.7	.86	.117	.008	100	40
APR 29-												
MAY 01	1030	0930	2.3	--	--	< .01	1.2	.94	.063	.006	140	51
08-08	1015	2115	2.5	--	--	.06	1.1	1.2	.090	.007	170	81
08-11	2215	0915	2.1	--	--	.03	.92	1.2	.065	.005	130	88
13-14	1015	2315	5.0	--	--	.05	1.1	1.2	.325	.006	120	105
15-15	0015	0915	65	206	39	.03	3.7	1.1	.395	.007	80	64
22-22	1000	2000	85	206	31	< .01	1.9	1.2	.550	.030	110	84
JUN												
03-05	1050	0950	29	--	--	.02	1.4	1.1	.245	.025	140	96
05-06	1045	2145	31	--	--	.09	1.0	1.1	--	.030	160	110
06-09	2245	0945	12	--	--	.09	< .25	1.2	.225	.020	170	69
12-12	1040	2140	50	87	14	.06	1.3	1.1	.475	.030	110	91
12-15	2240	0740	45	97	15	.06	1.3	1.2	.280	.030	120	74
22-26	1040	0940	33	84	16	.02	1.2	.88	.240	.035	120	85
26-29	1030	0930	39	81	13	.02	1.1	.97	.150	.025	110	72
29-29	1025	2125	15	--	--	< .01	1.1	.92	.085	.030	120	96
JUN 29-												
JUL 02	2225	0925	25	--	--	.02	1.0	.82	.140	.030	110	83
02-06	1010	0910	22	--	--	.02	.93	.85	.085	.030	120	190
06-06	1010	1710	17	--	--	< .01	.91	.91	.110	.035	120	92
06-07	1810	2310	100	280	32	< .01	.59	.59	.170	.040	72	42
08-08	0010	0910	60	--	--	< .01	.64	.64	.160	.030	68	56

STREAMS TRIBUTARY TO IRONDEQUOIT CREEK

04232050 ALLEN CREEK NEAR ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987--continued

DATE	TIME	ENDING TIME	TUR- BID- ITY (NTU)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN,AM- MONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
JUL--continued												
08-10	1030	0930	35	237	29	< 0.01	1.4	0.88	0.245	0.030	110	65
10-13	0950	0850	5.6	--	--	< .01	.98	.83	.130	.035	120	69
13-13	0950	1850	5.5	--	--	.03	.94	.98	.145	.035	130	79
13-14	1950	1050	60	241	17	.03	1.1	.65	.210	.040	75	53
14-15	1150	0850	60	153	20	.03	1.5	.79	.200	.035	85	66
17-20	0950	0250	14	--	--	.04	1.4	.72	.095	.025	130	88
20-20	0350	0850	55	--	--	.03	2.1	.70	.150	.025	91	62
20-23	0950	0850	21	--	--	< .01	.95	.68	.090	.025	98	73
29-30	1025	0525	6.8	--	--	< .01	1.1	.68	.145	.020	140	96
30-31	0625	0925	24	--	--	< .01	1.2	.90	.225	.015	110	74
JUL 31-												
AUG 02	1005	1805	6.2	--	--	--	.88	.68	.065	.020	98	80
02-03	1905	0905	50	81	12	--	1.3	.63	.220	.020	76	63
03-04	1015	2115	6.5	--	--	--	.72	.71	.135	.025	91	67
04-07	2215	0915	23	--	--	--	.78	.74	.115	.020	100	75
07-09	1025	1225	20	--	--	--	1.3	.70	.150	.025	120	97
09-10	1325	0925	140	333	47	--	2.2	.58	.495	.035	44	40
10-12	0940	1040	27	--	--	--	.78	.66	.210	.025	97	69
19-19	1035	1935	17	--	--	--	.99	.63	.110	.020	120	110
19-21	2035	0935	75	180	29	--	1.2	.73	.380	.020	79	67
26-27	1040	0340	24	--	--	--	.81	.60	.115	.015	130	100
27-28	0440	0940	40	48	12	--	.81	.72	.150	.015	110	85
28-28	1020	2120	19	--	--	--	.74	.68	.110	.020	100	86
28-31	2220	0920	30	--	--	--	.83	.62	.135	.020	88	70
SEP												
08-11	1040	0940	35	--	--	.01	1.3	.57	.160	.020	100	75
11-12	1015	1315	17	--	--	.01	.83	.58	.090	.025	120	100
12-15	1415	0915	23	--	--	.02	.88	.65	.105	.020	100	87
15-17	1020	0320	9.4	--	--	< .01	1.2	.64	.115	.020	130	91
17-18	0420	0920	55	142	20	.10	1.4	.90	.390	.020	64	59
18-19	1015	2115	90	226	30	.03	1.2	.60	.355	.030	69	47
19-21	2215	0915	45	57	10	.03	.90	.65	.190	.025	92	63
21-22	1020	1320	80	196	26	< .01	1.3	.85	.380	.030	74	55
22-25	1420	0920	35	65	12	< .01	1.2	.74	.190	.030	100	71
25-28	1015	0615	27	--	--	.01	.99	.78	.085	.020	110	74
28-28	0715	0915	31	--	--	.02	.99	.76	.095	.020	100	83
28-29	1015	1715	95	--	--	.01	.31	.88	.130	.018	95	71
29-30	1815	2115	85	167	29	< .01	1.1	.69	.300	.023	65	53
SEP 30-												
OCT 02	2215	0915	75	137	18	.01	.82	.52	.275	.028	73	49

STREAMS TRIBUTARY TO IRONDEQUOIT CREEK

04232050 ALLEN CREEK NEAR ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	TIME	ENDING TIME	TUR- BID- ITY (NTU)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN,AM- MONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
OCT												
19-21	1020	1720	8.8	--	--	0.02	0.85	0.63	0.085	0.008	130	95
21-23	1820	0920	18	--	--	.03	.50	.70	.085	.011	110	73
23-26	1050	1030	6.5	--	--	.03	.70	.59	.050	.008	110	77
NOV												
06-08	1040	2140	7.3	--	--	.01	.45	.51	.045	.006	140	98
08-09	2240	0940	40	105	19	.02	1.3	.52	.235	.014	110	81
09-13	1030	0930	4.6	--	--	.01	.58	.58	.040	.004	130	100
DEC												
03-04	1220	0920	17	--	--	.03	.78	1.4	.150	.021	190	91
04-07	0950	0850	21	--	--	.05	1.1	1.3	.110	.012	360	88
11...	0940	--	--	--	3	.01	.76	1.2	.040	.010	190	100
11...	0945	--	6.6	--	--	.02	.78	1.3	.050	.013	180	97
18...	1000	--	--	--	--	.03	.62	1.2	.055	.012	610	80
21...	0940	--	--	--	--	.03	.74	1.7	.115	.034	170	71
24...	0920	--	--	--	--	.01	.57	1.4	.040	.010	190	95
28...	1000	--	--	--	--	< .01	.44	1.5	.030	.009	200	100
JAN												
04...	1005	--	3.0	--	--	.01	.49	2.9	.065	.007	270	100
FEB												
01...	1640	--	4.8	--	--	.02	.57	1.0	.140	.004	360	86
02...	0815	--	9.5	--	--	.07	.87	1.0	.140	.007	490	76
05...	0935	--	2.6	--	--	< .01	.47	1.4	.025	.006	340	100
05...	1020	--	5.1	--	--	< .01	.58	.97	.045	.008	350	89
11...	1000	--	2.7	--	--	< .01	.67	1.3	.025	.004	49	110
16...	1010	--	18	--	--	.06	.82	1.6	.075	.019	400	62
19...	1000	--	12	--	--	.01	.37	1.4	.065	.010	230	70
22...	1155	--	5.1	--	--	.04	.66	1.9	.050	.011	270	70
26...	1015	--	7.4	--	--	.07	.64	1.5	.060	.011	260	79
29...	1145	--	4.5	--	--	.01	.58	1.4	.040	.005	370	74
MAR												
03...	1100	--	6.0	--	--	--	.68	1.1	.060	.004	250	68
07...	1100	--	3.1	--	--	< .01	.84	.81	.040	< .002	240	76
28...	1115	--	6.3	--	--	--	.70	1.3	.075	.004	200	67
31...	1050	--	2.6	--	--	< .01	.54	.87	.040	.003	220	75
APR												
04...	1055	--	90	183	23	.02	1.6	1.1	.455	.028	110	38
05...	0935	--	17	--	--	.01	.95	1.4	.085	.006	150	52
06...	1245	--	6.3	--	--	< .01	.97	1.2	.070	.007	170	61
07...	1040	--	3.8	--	--	< .01	.67	1.2	.075	.005	180	66
11...	1045	--	2.6	--	--	< .01	.49	1.2	.030	.005	190	72
MAY												
02...	1025	--	3.7	--	--	< .01	1.4	.59	.050	.005	190	71
16...	1040	--	5.3	--	--	< .01	1.0	.78	.050	.005	130	94
19...	1035	--	37	85	21	.11	1.9	.78	.160	.021	110	64
23...	1035	--	7.0	--	--	< .01	1.2	.99	.070	.015	120	55

STREAMS TRIBUTARY TO IRONDEQUOIT CREEK

04232050 ALLEN CREEK NEAR ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988--continued

DATE	TIME	ENDING TIME	TUR- BID- ITY (NTU)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	RESIDUE VOLATILE, SUS- PENDE (MG/L)	NITRO- GEN,AM- MONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHOPHOS- PHATE, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
JUN												
02...	1545	--	7.5	--	--	< 0.01	1.3	0.94	0.090	0.014	120	< 10
20-22	1115	1615	2.6	--	--	.12	1.1	.63	.050	.010	140	100
22-23	1715	1015	70	215	40	.06	2.4	.90	.500	.004	76	61
23-25	1050	1850	4.0	--	--	.07	1.7	.84	.080	.016	130	110
JUL												
14-18	1050	0550	70	340	52	.11	2.1	.61	.355	.025	95	76
18...	1100	--	65	--	--	.02	1.1	.85	.225	.019	100	56
21...	1050	--	95	187	31	.14	1.9	.72	.460	.035	46	35
25...	1040	--	31	39	7	.03	.51	.87	.120	.025	84	57
25...	1045	--	28	37	7	.03	.89	.87	.125	.029	100	57
25...	1050	--	100	493	80	.67	5.8	.941	.500	.010	97	51
25-28	1055	0955	60	181	23	.06	1.5	.55	.060	.019	120	72
AUG												
01...	1010	--	14	--	--	.02	.60	.75	.230	.022	130	100
04-05	1045	2045	3.8	--	--	.04	1.4	.41	.330	.021	100	100
22...	1045	--	12	--	--	.02	.70	.58	.080	.024	110	100
22-23	1045	1545	65	--	--	.015	2.0	.53	.470	.013	63	43
23-25	1645	0945	2.5	--	--	.02	.98	.50	.070	.015	85	48
25-27	1045	2145	24	--	--	.04	.84	.40	.165	.007	86	54
27-29	2245	0945	24	--	--	.06	1.0	.48	.260	.006	72	43
AUG 29-												
SEP 02	1045	0945	17	--	--	.04	1.1	.51	.075	.007	100	66
02-04	1040	0540	5.5	--	--	.035	.87	.47	.070	.006	150	98
04-06	0640	0940	18	--	--	.05	.91	.49	.070	.007	110	98
06-08	1045	0945	16	--	--	.03	1.0	.54	.070	.009	120	85
08...	1040	--	7.2	14	< 6	< .01	.63	.66	.060	.019	120	97
15-17	1045	0545	2.5	--	--	.04	.83	.53	.060	.011	110	99
17-19	0645	0945	16	--	--	.04	.87	.56	.080	.012	96	77
22-23	1045	0145	5.6	--	--	.04	.84	.53	.055	.012	130	95
23-26	0245	0945	21	--	--	.03	1.0	.50	.060	.014	100	68
29...	1050	--	5.8	--	--	< .01	.60	.58	.050	.020	120	84

IRONDEQUOIT CREEK MAIN STEM

0423205010 IRONDEQUOIT CREEK AT BLOSSOM ROAD, ROCHESTER, NY

LOCATION.--Lat 43°08'50", long 77°30'48", Monroe County, Hydrologic Unit 04140101, on right bank 120 ft downstream from bridge on Blossom Road, 1.6 mi east of Rochester, 2.5 mi downstream from Allen Creek, and 3.6 mi upstream from mouth.

DRAINAGE AREA.--143 mi², flow from 8.45 mi² noncontributing.

PERIOD OF RECORD.--Occasional discharge measurements water years 1977-80. December 1980 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 246.31 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Records are rated good to fair except those above 300 ft³/s, which are good to poor and those for estimated daily discharges, which are fair to poor. Discharge includes undetermined diversion from Erie (Barge) Canal. Several measurements of water temperature were made during each year.

COOPERATION.--Streamflow measurements were obtained and recorder equipment maintained by Monroe County Environmental Health Laboratory, Rochester, N.Y.

AVERAGE DISCHARGE.--8 years (water years 1982-89), 123 ft³/s, 12.37 in/yr.

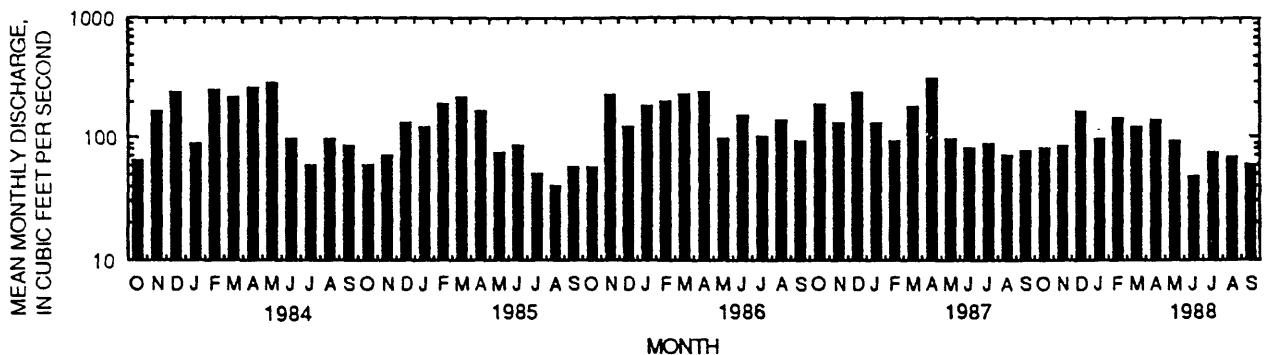
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,370 ft³/s, Feb. 14, 1984, gage height, 7.91 ft; maximum gage height, 8.01 ft, Jan. 20, 1986 (backwater from ice); minimum discharge, 28 ft³/s, Sept. 11, 14, 1982, gage height, 1.69 ft.

EXTREMES FOR WATER YEARS 1984-88.--Peak discharges greater than base discharge of 900 ft³/s and annual maximum (*), and minimum:

Water year	Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Minimum discharge (ft ³ /s)	Gage height (ft)
1984	Dec. 14	1315	1,190	7.73	Mar. 22	0145	1,130	7.67	July 26	37	--
	Feb. 14	2300	*1,370	*7.91	May 29	2000	1,100	7.64	Oct. 1,3	--	1.95
1985	Feb. 24	2315	*1,290	*7.86					Aug. 17, 20	29	1.90
1986	Jan. 20	1615	1,240	**8.01	Apr. 17	0900	*1,290	7.86	Oct. 4, 12	42	1.99
	Mar. 14	1030	926	7.38							
1987	Apr. 6	1900	*1,030	*7.77					Aug. 26	48	2.18
1988	Nov. 29	2030	*813	*7.28					July 4-12	32	^h 1.99

a Result of ice jam

h Part of each day



IRONDEQUOIT CREEK MAIN STEM

0423205010 IRONDEQUOIT CREEK AT BLOSSOM ROAD, ROCHESTER, NY--continued

RECORD QUALITY.--Fair except those above 300 ft³/s and those for winter periods, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	59	156	e94	e84	e96	352	136	234	61	40	58
2	43	60	133	e96	e86	e94	378	123	181	61	62	66
3	43	86	124	e98	e98	e92	303	116	158	74	56	93
4	48	121	122	e98	e120	e90	235	551	146	61	51	71
5	93	215	140	e110	e140	e100	401	681	127	155	45	62
6	87	199	327	e110	e130	e130	483	397	126	97	42	56
7	59	141	451	e100	e110	e110	341	242	107	76	71	52
8	51	109	274	e96	e100	e100	249	265	100	66	49	50
9	60	95	206	e90	e98	e96	201	298	93	60	44	47
10	51	105	182	e88	e100	e98	144	221	88	63	40	49
11	48	375	165	e84	186	e94	113	178	83	71	57	218
12	50	447	287	e80	359	e92	106	292	79	65	128	162
13	64	257	499	e84	533	e94	164	304	76	57	140	99
14	151	172	1020	e88	1020	e94	179	416	77	52	209	258
15	78	197	848	e84	1140	e96	237	330	77	48	234	173
16	61	315	465	e80	612	219	273	228	73	48	225	132
17	56	210	296	e82	362	373	296	185	71	46	204	100
18	53	173	230	e86	284	308	240	165	101	77	100	84
19	51	167	e180	e80	250	234	194	155	124	52	111	73
20	51	122	e150	e74	234	247	196	142	e83	46	98	69
21	51	115	e130	e70	208	725	174	143	e72	44	72	62
22	51	141	e140	e76	186	880	145	134	67	41	84	58
23	100	163	e130	e80	177	502	141	277	64	40	215	56
24	92	131	e120	e96	167	309	194	316	95	39	120	56
25	73	120	e110	e110	158	261	696	200	86	39	83	58
26	65	110	e110	e110	e130	230	500	149	72	38	70	97
27	111	100	e100	e100	e110	196	259	128	67	79	61	73
28	87	149	e100	e94	e94	176	206	179	64	59	69	64
29	69	260	e100	e90	e92	207	180	883	63	47	145	61
30	62	202	e94	e90	---	244	154	834	64	43	76	56
31	60	---	e94	e86	---	266	---	370	---	41	68	---
TOTAL	2062	5116	7483	2804	7368	6853	7734	9038	2918	1846	3069	2613
MEAN	66.5	171	241	90.5	254	221	258	292	97.3	59.5	99.0	87.1
MAX	151	447	1020	110	1140	880	696	883	234	155	234	258
MIN	43	59	94	70	84	90	106	116	63	38	40	47
CAL YR 1983	TOTAL	45841	MEAN	126	MAX	1020	MIN	33				
WTR YR 1984	TOTAL	58904	MEAN	161	MAX	1140	MIN	38				

e Estimated

IRONDEQUOIT CREEK MAIN STEM

0423205010 IRONDEQUOIT CREEK AT BLOSSOM ROAD, ROCHESTER, NY--continued

RECORD QUALITY.--Fair except those above 300 ft³/s and those for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	62	57	84	501	68	217	670	71	161	53	52	49
2	72	65	78	483	66	201	405	69	93	50	44	43
3	67	62	86	274	62	e170	265	67	68	53	39	41
4	60	66	79	190	58	e140	217	62	59	52	37	38
5	57	93	67	150	e62	e180	176	63	78	44	35	98
6	55	80	e64	130	e60	e190	175	119	77	61	34	76
7	55	68	e62	120	e58	e180	169	123	68	67	35	48
8	56	63	e64	110	e54	388	150	107	63	51	36	96
9	57	51	66	110	e60	560	145	101	63	58	32	87
10	57	60	76	100	e66	392	155	103	65	60	32	142
11	57	80	100	98	e74	288	177	100	56	51	34	77
12	55	66	113	96	e86	363	139	96	236	70	33	65
13	56	59	149	98	e100	470	123	104	183	52	32	60
14	56	58	131	100	e100	333	117	93	130	48	33	53
15	56	57	120	94	e96	246	114	78	94	77	57	50
16	55	100	108	86	e88	e200	111	60	104	70	41	47
17	53	111	99	82	e88	e170	103	58	120	53	33	47
18	62	87	90	84	e86	e150	102	60	104	47	31	44
19	61	77	87	82	e82	e150	198	74	77	44	30	43
20	68	70	97	72	e80	153	216	63	64	44	29	41
21	70	66	88	62	e84	140	158	74	80	43	30	40
22	80	57	199	66	163	129	128	62	64	44	30	40
23	67	55	163	70	609	127	112	54	57	42	30	40
24	62	56	123	70	e1100	135	106	51	51	39	34	48
25	60	55	e100	72	932	137	98	48	46	37	60	47
26	68	64	e82	70	519	126	91	50	44	49	46	43
27	65	90	86	72	336	131	86	64	43	51	77	88
28	61	94	127	74	237	183	85	73	44	44	51	63
29	65	113	415	74	---	202	86	65	80	40	58	49
30	61	85	591	72	---	160	78	55	60	39	55	44
31	58	---	347	72	---	289	---	101	---	45	65	---
TOTAL	1894	2165	4141	3834	5474	6900	4955	2368	2532	1578	1265	1747
MEAN	61.1	72.2	134	124	195	223	165	76.4	84.4	50.9	40.8	58.2
MAX	80	113	591	501	1100	560	670	123	236	77	77	142
MIN	53	51	62	62	54	126	78	48	43	37	29	38
CAL YR	1984	TOTAL	52443	MEAN	143	MAX	1140	MIN	38			
WTR YR	1985	TOTAL	38853	MEAN	106	MAX	1100	MIN	29			

e Estimated

IRONDEQUOIT CREEK MAIN STEM

0423205010 IRONDEQUOIT CREEK AT BLOSSOM ROAD, ROCHESTER, NY--continued

RECORD QUALITY.--Fair except those for estimated daily discharges, which are poor.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46	47	299	e60	e100	e84	91	100	83	81	240	54
2	46	47	335	e60	e140	e80	90	98	140	244	212	53
3	43	48	226	e62	e130	e80	85	90	78	135	158	51
4	43	177	e150	e60	e130	e94	91	85	65	100	147	51
5	61	537	e130	69	479	e98	125	83	93	84	97	60
6	50	564	126	67	e310	e110	326	79	94	75	83	51
7	45	291	118	e58	e160	e100	207	77	223	74	124	48
8	44	160	111	e54	e150	e100	195	73	330	74	505	47
9	44	149	106	e62	e130	e96	161	73	154	70	192	47
10	46	293	107	e60	e110	e230	143	73	108	67	153	47
11	47	309	142	e58	e92	649	114	72	91	64	490	53
12	44	204	193	e56	e86	370	125	69	305	109	215	53
13	60	307	204	e56	e85	526	123	67	362	96	140	54
14	52	294	178	e58	e83	870	122	66	207	117	112	49
15	78	286	e120	e56	e82	757	175	65	151	86	97	69
16	63	264	e110	e60	e80	484	644	123	139	74	143	151
17	52	347	e100	e68	e78	293	1130	113	157	70	161	72
18	48	168	e92	e160	127	222	805	81	111	84	159	61
19	132	103	e86	358	324	244	347	80	99	128	100	57
20	91	97	e82	e1070	539	209	279	304	333	154	87	61
21	64	108	e76	e1100	759	155	335	243	212	100	79	61
22	59	181	e74	602	551	e120	237	152	157	78	97	59
23	55	231	e76	333	308	e120	185	125	180	71	77	206
24	86	170	e76	209	206	135	159	106	127	64	85	120
25	83	130	e70	183	e160	126	144	94	104	62	71	81
26	60	176	e68	161	e120	120	132	82	92	61	65	72
27	54	322	e70	e140	e110	124	123	75	96	68	67	74
28	50	279	e70	e100	e94	123	115	69	106	62	64	70
29	49	222	e70	e100	---	114	105	65	93	69	62	357
30	48	218	e66	e110	---	105	99	60	102	235	59	541
31	48	---	e62	e110	---	96	---	60	---	302	57	---
TOTAL	1791	6729	3793	5760	5723	7034	7012	3002	4592	3158	4398	2830
MEAN	57.8	224	122	186	204	227	234	96.8	153	102	142	94.3
MAX	132	564	335	1100	759	870	1130	304	362	302	505	541
MIN	43	47	62	54	78	80	85	60	65	61	57	47
CAL YR	1985	TOTAL	42966	MEAN	118	MAX	1100	MIN	29			
WTR YR	1986	TOTAL	55822	MEAN	153	MAX	1130	MIN	43			

e Estimated

IRONDEQUOIT CREEK MAIN STEM

0423205010 IRONDEQUOIT CREEK AT BLOSSOM ROAD, ROCHESTER, NY--continued

RECORD QUALITY.--Good except those for estimated daily discharges, which are fair.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	399	99	100	115	e80	413	375	163	64	64	63	57
2	218	129	251	116	e80	647	412	139	81	73	66	60
3	206	117	845	116	e100	438	340	126	78	80	100	59
4	537	114	680	e100	e120	255	496	121	71	71	71	55
5	444	102	374	e100	e120	200	828	109	66	63	88	51
6	314	102	269	106	e110	190	947	102	65	163	67	50
7	198	99	232	134	e110	282	874	91	91	340	e60	49
8	153	96	326	144	e130	336	507	84	115	212	e56	68
9	136	102	364	129	e140	263	330	104	80	116	e220	69
10	123	96	488	125	e150	e160	248	124	73	91	e160	58
11	112	99	318	132	140	e130	203	118	70	76	e82	57
12	107	104	208	129	e120	e120	225	96	85	67	e68	75
13	331	96	164	126	e110	e120	439	79	132	65	e60	76
14	313	91	141	138	e110	115	345	79	85	128	e56	63
15	219	87	146	359	e100	111	230	149	73	103	e52	59
16	158	88	148	399	e90	106	187	97	64	78	e50	56
17	158	92	145	235	e80	103	163	86	59	67	e52	103
18	180	91	189	e160	e80	101	152	86	58	62	e52	198
19	149	90	181	e150	e76	100	143	88	58	58	e54	127
20	132	87	153	e140	e72	98	117	82	57	107	98	112
21	120	111	135	e130	e66	95	95	78	56	77	59	121
22	114	111	123	e120	e74	94	86	142	133	64	55	103
23	111	112	116	e110	e82	94	89	123	154	59	53	76
24	106	155	123	e100	80	93	191	92	87	60	52	69
25	102	142	341	e96	e70	107	193	86	70	58	51	66
26	98	267	241	e94	e62	162	140	83	106	63	49	63
27	111	491	176	e90	e64	132	124	75	103	62	67	61
28	142	287	151	e88	e62	124	400	70	73	57	66	76
29	118	175	138	e84	---	114	365	66	70	55	92	69
30	114	139	127	e82	---	116	228	61	76	78	65	e170
31	104	---	120	e80	---	303	---	60	---	70	58	---
TOTAL	5827	3971	7513	4227	2678	5722	9472	3059	2453	2787	2242	2376
MEAN	188	132	242	136	95.6	185	316	98.7	81.8	89.9	72.3	79.2
MAX	537	491	845	399	150	647	947	163	154	340	220	198
MIN	98	87	100	80	62	93	86	60	56	55	49	49
CAL YR	1986	TOTAL	60820	MEAN	167	MAX	1130	MIN	47			
WTR YR	1987	TOTAL	52327	MEAN	143	MAX	947	MIN	49			

e Estimated

IRONDEQUOIT CREEK MAIN STEM

0423205010 IRONDEQUOIT CREEK AT BLOSSOM ROAD, ROCHESTER, NY--continued

RECORD QUALITY.--Good except those for estimated daily discharges, which are fair.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	229	59	208	e80	130	101	103	119	56	39	48	60
2	125	59	142	e78	164	102	97	101	70	37	47	57
3	114	59	131	e76	130	119	160	93	55	36	48	55
4	99	62	150	e74	112	110	664	96	58	34	51	94
5	80	60	130	e70	e100	99	424	95	52	33	52	87
6	73	63	106	e68	e96	102	225	94	48	32	66	69
7	81	63	91	e66	e92	101	159	91	49	32	54	59
8	79	63	84	e64	e88	100	146	80	50	33	51	54
9	72	100	100	e62	e84	110	135	73	49	33	49	52
10	67	76	113	e60	e80	121	122	67	46	33	48	51
11	113	67	94	e58	e78	108	112	64	45	33	46	51
12	91	64	83	e58	e78	94	107	64	42	33	46	50
13	76	63	78	e60	e80	90	102	64	41	33	45	55
14	70	67	71	e64	e90	87	100	65	39	66	45	51
15	67	64	225	e64	232	83	104	63	37	59	49	47
16	65	59	315	e62	269	79	98	86	37	43	44	47
17	62	57	285	e62	193	78	93	153	38	263	49	95
18	62	77	238	e100	175	78	91	98	36	132	51	65
19	60	61	214	166	186	78	88	127	37	64	48	53
20	60	61	478	304	282	80	85	126	36	52	46	50
21	71	60	511	285	225	69	95	266	36	153	45	49
22	75	55	310	168	e200	52	91	190	44	79	44	49
23	76	57	186	126	e220	57	92	113	118	56	73	119
24	66	60	129	108	e180	66	102	91	43	356	149	66
25	71	56	115	101	e140	87	91	79	42	153	73	53
26	63	72	105	94	e120	456	85	74	45	76	134	49
27	62	55	96	e88	e115	451	83	68	40	75	63	48
28	66	49	89	e84	110	237	91	63	38	69	115	46
29	64	357	86	e80	116	157	129	59	43	56	270	46
30	61	450	e84	e80	---	130	152	56	38	50	139	45
31	59	---	e82	102	---	112	---	51	---	51	76	---
TOTAL	2479	2575	5129	3012	4165	3794	4226	2929	1408	2294	2164	1772
MEAN	80.0	85.8	165	97.2	144	122	141	94.5	46.9	74.0	69.8	59.1
MAX	229	450	511	304	282	456	664	266	118	356	270	119
MIN	59	49	71	58	78	52	83	51	36	32	44	45
CAL YR 1987	TOTAL	45199	MEAN	124	MAX	947	MIN	49				
WTR YR 1988	TOTAL	35947	MEAN	98.2	MAX	664	MIN	32				

e Estimated

IRONDEQUOIT CREEK MAIN STEM

0423205010 IRONDEQUOIT CREEK AT BLOSSOM ROAD, ROCHESTER, NY--continued

WATER QUALITY RECORDS

PERIOD OF RECORD.--October 1983 to current year.

CHEMICAL DATA: 1983-88(e).

NUTRIENT DATA: 1983-88(e).

COOPERATION--Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, N.Y.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	ENDING TIME	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
OCT											
03-04	1025	1725	25	3	0.06	0.40	0.70	0.070	0.011	120	210
04-05	1825	0925	53	5	.06	.50	.71	.090	.012	120	200
05-05	1000	1300	--	--	.09	2.2	.83	.160	.007	120	180
05-05	1040	1340	--	--	.10	.90	.89	.030	.005	110	180
05-07	1440	0940	--	--	.10	1.0	.73	.080	.011	83	150
07...	1150	--	--	--	.10	.95	.88	.060	.016	84	150
07-08	1205	1905	--	--	.09	.50	.80	.020	.015	110	210
08-11	2005	1005	--	--	.09	.70	.85	.040	.013	99	210
11...	1050	--	--	--	.09	.60	.78	.040	.018	110	220
11-13	1055	1855	--	--	.05	.50	.72	.020	.015	100	200
13-14	1955	0955	250	21	.09	1.4	.50	.160	.021	60	120
14...	1100	--	--	--	.05	.80	.64	.100	.024	58	93
14-17	1105	1005	--	--	.06	.70	.88	.060	.019	87	190
17...	1235	--	--	--	.06	.50	.82	.040	.020	100	220
17-19	1240	0940	--	--	.07	.60	.64	.050	.015	100	220
19...	1050	--	--	--	.08	.80	.58	.030	.014	120	220
19-21	1055	0955	--	--	.08	.50	1.0	.020	.006	110	220
21...	1100	--	--	--	.08	.40	.92	.020	.005	120	200
21-22	1105	0505	--	--	.08	.50	.77	.010	< .005	110	230
24-24	1550	1844	--	--	.08	.70	.70	.040	.012	82	160
26-26	1105	2005	--	--	.02	.90	2.2	.020	.015	100	180
26-28	2105	1005	--	--	.02	.70	.88	.080	.017	87	150
28-31	1035	0935	--	--	.02	.50	.83	.080	.013	99	180
OCT 31-											
NOV 02	1120	0820	--	--	.02	.80	.76	.040	.016	110	220
02-02	1320	2020	--	--	.03	.70	1.3	.020	.010	110	210
02-04	2120	1020	--	--	.02	1.0	.81	.020	.012	96	180
04-07	1110	0910	--	--	.02	1.2	1.1	.060	.018	83	100
07-09	1010	0110	--	--	.03	.90	1.4	.060	.018	96	140
09-10	1115	1015	--	--	.02	1.0	1.0	.060	.015	110	180
10-10	1105	1405	--	--	.05	.80	1.1	.050	.038	98	140
10-12	1505	2205	461	21	.01	1.7	1.1	.200	.027	73	94
14-16	1015	0915	--	--	< .01	1.3	1.5	.140	.017	87	120
16-18	1050	0950	--	--	< .01	1.2	1.8	.110	.027	75	110
18-21	1110	1010	--	--	< .01	1.4	1.6	.080	.019	83	130
21-22	1050	1550	--	--	< .01	.90	1.4	.070	.018	92	160
22-23	1650	0950	--	--	< .01	.80	1.0	.080	.016	96	130
23-25	1040	0940	--	--	< .01	1.0	1.3	.030	.012	97	160
25-28	1015	0915	--	--	< .01	.60	1.4	.050	.017	99	190
28-30	1100	1000	89	9	< .01	.90	1.2	.080	.024	72	120

IRONDEQUOIT CREEK MAIN STEM

0423205010 IRONDEQUOIT CREEK AT BLOSSOM ROAD, ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984--continued

DATE	TIME	ENDING TIME	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
NOV 30-											
DEC 02	1110	1010	--	--	0.03	1.1	1.4	0.070	0.018	130	130
02-05	1045	0945	--	--	.02	1.2	1.5	.030	.014	140	140
05-07	1035	0535	85	11	.02	1.3	1.4	.120	.019	170	120
07...	1540	--	102	10	.04	1.1	1.2	.140	.025	120	74
08...	0845	--	31	4	< .01	1.2	1.4	.110	.027	120	99
08-09	1700	1000	78	9	.08	1.1	1.5	.080	.038	110	110
09-12	1010	0910	--	--	.03	.70	1.6	.070	.022	140	140
12-13	1020	1320	--	--	.04	1.4	1.1	.170	.036	89	66
14-16	1005	0930	236	66	.03	1.6	1.1	.250	.032	60	64
14...	1010	--	--	--	.05	1.4	.92	.160	.039	53	43
16-19	1010	0910	--	--	.05	.90	1.8	.070	.027	82	110
19-21	1040	0940	--	--	.06	1.2	1.9	.030	.017	87	130
21-22	1105	1005	--	--	.07	1.0	2.0	.070	.016	130	140
22-23	1105	1005	--	--	.09	1.2	1.7	.130	.019	340	120
23-24	1055	1855	--	--	.08	.80	1.8	.080	.018	180	140
29...	0950	--	--	--	.10	1.0	1.7	.040	.012	440	160
JAN											
03...	1020	--	--	--	.18	1.0	1.9	.030	.008	170	99
04-06	1645	0945	--	--	.09	1.0	1.8	.100	.017	160	190
06-09	1015	0915	--	--	.07	1.0	1.7	.030	.013	190	180
09-10	1125	0425	--	--	.06	1.2	1.7	.060	.018	170	190
10-11	0525	1025	--	--	.07	1.0	1.8	.080	.021	170	190
11-12	1055	1955	--	--	.07	.80	1.7	.020	.012	170	190
13...	0950	--	--	--	.08	.90	1.8	.030	.011	150	210
16...	0950	--	--	--	.13	1.3	1.8	.020	.009	170	200
18...	0905	--	--	--	.09	.70	1.6	.020	.007	130	200
20-20	0920	2020	--	--	.13	1.0	1.8	.060	.011	140	200
20-20	0940	2020	--	--	--	--	--	--	--	--	--
24-25	1015	0915	--	--	.12	1.2	2.2	.080	.014	490	180
25-27	0855	0755	--	--	.08	1.2	2.1	.070	.008	350	150
27-29	1000	0900	--	--	.39	.80	1.5	--	.006	230	170
JAN 30-											
FEB 01	0900	0800	--	--	.04	1.0	1.5	.020	.008	240	170
03...	0825	--	--	--	.05	.90	1.6	.030	< .005	190	170
03-04	0835	1935	--	--	< .01	.90	1.6	.050	.005	290	180
04-06	2035	0435	--	--	< .01	1.1	1.5	.080	.006	270	170
06-06	0905	1205	--	--	.04	1.1	1.4	.070	.006	240	130
07-08	1105	0805	--	--	.03	1.1	1.4	.050	.005	190	160
08-10	0930	0830	--	--	.06	1.0	1.5	.030	.007	170	160
10-10	0915	1215	--	--	--	--	--	.030	.009	150	--
FEB											
10-14	0915	0815	223	19	.04	1.7	1.5	.140	.014	150	100
10-10	1715	2015	--	--	--	--	--	.050	.007	190	--
10-11	2115	0015	--	--	--	--	--	--	.007	210	--
11-11	0115	0415	--	--	--	--	--	.040	.007	200	--
11-11	0515	0815	--	--	--	--	--	.070	.007	210	--

IRONDEQUOIT CREEK MAIN STEM

0423205010 IRONDEQUOIT CREEK AT BLOSSOM ROAD, ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984--continued

DATE	TIME	ENDING TIME	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
FEB--continued											
11-11	0915	1215	--	--	--	--	--	0.010	0.006	230	--
11-11	1315	1615	--	--	--	--	--	.050	.007	250	--
11-11	1715	2015	178	13	--	--	--	.200	.009	260	--
11-12	2115	0015	240	22	--	--	--	.650	.014	240	--
12-12	0115	0415	548	52	--	--	--	.160	.014	180	--
12-12	0915	1215	318	27	--	--	--	.350	.016	140	--
12-13	2115	0015	--	--	--	--	--	.360	--	--	--
13-13	0115	0415	976	88	--	--	--	1.20	--	--	--
13-13	0515	0815	390	30	--	--	--	.440	--	--	--
13-13	0915	1215	290	23	--	--	--	.180	.018	130	--
13-13	1315	1615	564	23	--	--	--	.290	.026	130	--
13-13	1715	2015	852	59	--	--	--	.220	.034	110	--
13-14	2115	0115	764	33	--	--	--	.110	.033	91	--
14-14	0115	0415	602	42	--	--	--	.510	.028	84	--
14-14	0515	0815	621	42	--	--	--	1.20	.005	84	--
14-14	1105	1135	598	34	--	--	--	.320	.020	30	--
14-15	1105	0735	356	26	0.06	1.7	1.1	.310	.028	76	40
14-14	1205	1235	652	41	--	--	--	.230	.019	54	--
14-14	1305	1335	806	37	--	--	--	.340	.023	98	--
14-14	1405	1435	702	39	--	--	--	.390	.024	94	--
14-14	1505	1535	808	37	--	--	--	.320	.031	94	--
14-14	1605	1635	552	31	--	--	--	.400	.030	91	--
14-14	1705	1735	--	--	--	--	--	.260	.029	98	--
14-14	1905	1935	--	--	--	--	--	.160	.032	71	--
14-14	2005	2035	647	33	--	--	--	.220	.020	88	--
14-14	2105	2135	445	20	--	--	--	.220	.029	81	--
14-14	2205	2235	445	22	--	--	--	.200	.029	98	--
14-14	2305	2335	391	44	--	--	--	.190	.031	98	--
15-15	0205	0235	364	16	--	--	--	--	.030	98	--
15-15	0405	0435	288	4	--	--	--	.430	.034	98	--
15-15	0505	0535	298	10	--	--	--	.310	.032	98	--
15-15	0605	0635	248	8	--	--	--	.260	.029	98	--
15-15	0705	0735	328	16	--	--	--	.350	.025	91	--
15-15	0945	1245	239	22	--	--	--	.170	.026	84	--
15-17	0945	0845	150	10	.06	1.5	1.6	.120	.020	85	58
15-15	1345	1645	246	14	--	--	--	.250	.027	82	--
15-15	1745	2045	256	17	--	--	--	.240	.030	80	--
15-16	2145	0045	215	12	--	--	--	.140	.021	66	--
16-16	0145	0445	186	12	--	--	--	.180	.024	79	--
16-16	0545	0845	192	13	--	--	--	.130	.031	83	--
16-16	0945	1245	147	12	--	--	--	.130	.025	86	--
16-16	1345	1645	130	8	--	--	--	.120	.025	55	--
16-16	1745	2045	95	< 2	--	--	--	.130	.023	89	--
16-17	2145	0045	--	--	--	--	--	.110	.025	96	--
17-17	0145	0445	--	--	--	--	--	.120	.025	98	--
17-17	0545	0845	--	--	--	--	--	.100	.023	100	--
17-21	1040	0540	42	< 2	.04	.80	1.8	.100	.017	110	90
21-22	0920	0820	--	--	.02	1.2	1.7	.070	.019	120	100
22-23	1905	0605	--	--	.01	.90	1.7	.050	.012	120	110
24...	0915	--	--	--	.02	.80	1.7	.030	.009	120	120

IRONDEQUOIT CREEK MAIN STEM

0423205010 IRONDEQUOIT CREEK AT BLOSSOM ROAD, ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984--continued

DATE	TIME	ENDING TIME	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
FEB--continued											
24-27	1325	0925	--	--	0.05	1.2	1.7	0.040	0.007	120	120
27-28	1015	0515	--	--	.02	1.0	1.6	.040	.009	130	140
28-29	0615	0915	--	--	.03	1.0	1.5	.020	.006	130	110
FEB 29-											
MAR 01	1350	1250	--	--	.03	.80	1.8	.050	.005	130	150
01-02	1315	0815	--	--	.01	.60	1.5	.040	.008	140	130
05...	1000	--	--	--	.03	1.2	1.7	.020	.006	150	140
05-07	1530	0830	--	--	.03	.80	1.7	.060	.006	220	120
07-09	0915	0415	--	--	< .01	.80	1.5	.020	.007	180	120
09-11	0915	2015	--	--	.05	1.0	1.6	.030	.007	160	140
12...	0915	--	--	--	.02	.90	1.5	.020	.007	160	140
12-14	1445	0745	--	--	.02	.90	1.7	.030	< .005	180	160
14-16	0850	0750	--	--	.02	.80	1.7	.030	.008	210	150
16-16	0905	2005	--	--	.03	1.0	1.3	.070	.005	260	110
19-20	1500	1000	--	--	.07	1.3	1.7	.080	< .005	140	99
20-21	1100	0900	157	18	.01	1.6	1.5	.140	< .005	140	83
21-22	0915	0840	238	< 2	< .01	1.4	1.1	.160	.084	90	37
MAR											
22-23	0910	0840	--	--	.03	1.0	1.5	.120	.013	81	49
23-26	0910	0810	--	--	.03	1.2	1.7	.010	.010	100	86
26-28	0900	0800	--	--	.02	.90	1.5	.050	.007	110	110
28-28	0855	2355	--	--	.02	.90	1.4	.040	.005	120	110
29-30	0055	0755	--	--	.03	1.2	1.5	.050	.005	160	110
30-31	0930	1130	--	--	.02	.80	1.3	.030	.005	180	98
MAR 31-											
APR 01	1230	2030	--	--	.03	.80	1.3	.050	< .005	140	83
02-04	0905	0805	58	6	.02	1.1	1.1	.070	.006	97	79
04-04	0930	1830	--	--	.03	1.0	1.2	.020	.007	110	90
04-05	1930	0830	98	11	.01	1.3	1.1	.120	.005	110	86
05-06	0930	0730	153	12	.01	1.2	1.0	.080	.007	98	78
06-09	0855	0755	62	5	< .01	1.0	.96	.070	.005	98	71
09-11	0845	0745	--	--	.02	.90	1.3	.030	.005	110	120
11-13	0900	0300	--	--	.04	.90	1.3	.060	< .005	110	150
13...	0900	--	--	--	.02	.90	1.0	.040	< .005	110	120
13-14	0905	2305	--	--	.04	.80	1.4	.060	< .005	110	140
15-16	0005	0205	--	--	.01	.90	1.1	.100	.006	110	130
16-18	0905	0805	58	6	.03	1.1	1.0	.700	< .005	98	89
16...	0910	--	--	--	.02	.90	1.1	.020	.005	110	130
18-20	0900	0600	--	--	.04	1.3	1.2	.080	< .005	100	130
20-22	0910	1410	--	--	.03	.90	1.1	.060	.005	91	140
23-23	0905	1405	--	--	.01	1.0	1.2	.040	.006	98	140
23-24	1505	0005	258	26	.04	1.7	1.2	.170	.008	91	110
25-27	0850	0750	140	16	.03	1.1	1.0	.120	< .005	59	59
25...	0855	--	220	21	.07	1.7	.88	.240	.022	48	57
27-28	0900	1700	--	--	.02	.90	1.2	.100	.007	92	100
28-30	1800	0800	59	8	.02	.90	1.2	.100	.005	83	110

IRONDEQUOIT CREEK MAIN STEM

0423205010 IRONDEQUOIT CREEK AT BLOSSOM ROAD, ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984--continued

DATE	TIME	ENDING TIME	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
APR 30-											
MAY 02	1000	0900	--	--	0.02	0.80	1.1	0.120	0.006	99	120
02-03	0930	2030	--	--	.02	.70	1.2	.060	< .005	98	130
03-04	2130	0830	--	--	.03	.60	1.3	.050	.005	160	56
04-05	0940	1140	199	17	.04	1.4	1.2	.120	.006	63	55
05-07	1240	0840	--	--	.02	.80	1.0	.070	.005	68	65
07-08	0930	1030	--	--	.03	1.0	1.0	.060	.012	85	86
08-09	1130	0830	--	--	.02	.80	1.2	.070	.011	48	79
09-11	0950	0850	--	--	.05	.70	1.0	.050	.011	82	91
11-13	0930	1730	--	--	.05	1.1	1.0	.060	.018	75	81
13-14	1830	0830	--	--	.04	1.0	.97	.070	.015	65	67
14-16	0945	0845	114	9	.03	.80	1.1	.060	.016	65	61
16-18	0930	0830	--	--	.03	.90	1.1	.060	.013	84	100
18-21	0940	0840	--	--	.04	.70	1.2	.050	.014	89	120
21-22	0940	1440	--	--	.02	.70	1.1	.050	.022	87	130
22-23	1540	0840	46	7	.02	.80	1.1	.070	.020	96	130
23-25	0945	0845	--	--	.03	1.0	.90	.090	< .005	68	68
25-28	0935	0435	--	--	.05	.80	1.1	.030	.010	53	110
28-29	0535	0835	--	--	.02	.50	1.0	.020	< .005	60	110
29-30	1100	1000	380	26	.03	.70	1.1	.230	.010	40	40
MAY 30-											
JUN 01	1050	0950	87	10	.14	.90	.99	.600	.090	< 5.0	56
01-04	1055	0955	14	< 6	.02	.60	1.2	.030	.025	83	120
04-06	0920	0820	13	< 2	.08	1.0	1.4	.280	.023	87	170
06-08	0925	0825	132	18	.03	1.8	1.5	.070	.020	87	130
08-11	0920	0820	--	--	.04	1.5	1.2	.090	.025	90	140
11-13	0905	0805	--	--	.03	1.2	1.4	.030	.020	93	150
15...	0925	--	--	--	.02	.90	1.4	.020	< .005	93	260
16...	1100	--	--	--	.04	.90	1.3	.030	.010	95	280
16-18	1200	0100	--	--	.03	1.8	1.2	.030	.012	96	270
18-18	0200	0900	151	27	.13	3.2	1.6	.180	.014	96	190
20...	0845	--	--	--	.05	1.9	1.5	.070	.005	110	96
21-22	1630	0730	--	--	.18	.70	.87	.020	.010	94	160
22-25	0830	0130	--	--	.01	1.2	1.3	.050	.022	91	160
25-25	0230	0730	--	--	.27	1.1	1.1	.040	.019	95	170
25-27	0830	0730	86	13	.21	2.0	1.3	.040	< .005	88	180
27-29	0830	0730	--	--	.07	1.1	1.7	.080	< .005	90	190
JUN 29-											
JUL 02	0830	0730	--	--	.01	1.5	1.3	.060	.015	90	200
02-04	0850	1350	53	9	.02	1.3	1.1	.080	.017	100	120
04-05	1450	0750	--	--	.12	1.4	1.2	.080	.020	61	130
05-05	0825	1425	172	26	.01	1.3	.84	.250	.014	66	110
05-06	0825	0725	--	--	.01	1.1	.90	.090	.016	63	100
05-06	1525	0725	81	12	.06	1.5	1.1	.150	.018	79	130
06-09	0835	0735	--	--	.02	.90	1.2	.030	.010	85	160
09-11	0830	0730	--	--	.04	1.0	1.4	.030	.018	97	210
11-13	0835	0735	--	--	.02	1.9	1.3	.070	.009	97	200
13-16	0825	0725	12	< 2	.04	1.3	1.2	.060	.022	97	220

IRONDEQUOIT CREEK MAIN STEM

0423205010 IRONDEQUOIT CREEK AT BLOSSOM ROAD, ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984--continued

DATE	TIME	ENDING TIME	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
JUL											
18-18	0020	0720	10	< 2	0.04	0.80	1.2	0.050	0.024	96	200
18-20	0805	0705	21	4	.05	1.0	1.2	.040	.013	86	180
20-23	0830	0730	--	--	.04	1.0	1.1	.040	.011	100	240
23-25	0815	0315	--	--	.06	.80	.98	.060	.008	100	140
27-27	0430	0730	--	--	.06	1.2	.90	.030	.011	100	240
27-30	0825	0725	--	--	.07	1.0	1.0	.060	.023	84	180
JUL 30-											
AUG 01	0805	0705	--	--	.10	.70	.86	.040	.008	100	250
01-02	0805	0305	--	--	.06	1.1	.84	.080	.031	98	120
02-03	0405	0705	--	--	.01	1.4	.89	.110	.020	82	94
03-06	0820	0720	--	--	.07	.70	.87	--	.014	93	250
06-07	0820	0320	--	--	< .01	.70	1.1	.040	.011	92	260
07-08	0420	0720	--	--	.03	.70	.88	.050	.013	83	220
08-10	0825	0725	--	--	.09	.60	1.3	.040	.011	91	200
10-11	0810	1910	--	--	.05	.80	.88	.020	.016	100	200
11-13	2010	0710	--	--	.01	.90	.91	.070	.014	67	170
13-14	1310	1610	--	--	.03	.90	.87	.070	.022	38	130
14-15	1710	0810	--	--	< .01	--	.86	.100	.032	59	110
15-16	0805	0905	290	36	.02	2.3	.89	.230	.029	52	100
16-16	1005	1805	310	30	.03	1.8	.73	.260	.026	59	90
17-19	1420	0420	--	--	.54	2.3	1.1	.170	.110	80	140
19-20	0520	1020	--	--	.45	2.2	.97	.100	.096	78	160
20-22	1050	0850	--	--	.14	1.2	1.1	.080	.046	76	170
20...	1600	--	--	--	.03	.70	.95	.040	.026	80	150
22-22	0910	2010	--	--	.02	1.0	1.2	.100	.037	92	170
22-23	2110	1810	240	27	.05	2.0	1.1	.250	.046	69	130
24...	0845	--	--	--	.03	.90	1.1	.120	.025	75	110
24-27	0845	0745	--	--	.02	.90	1.0	.100	.038	76	170
27-28	0935	1835	--	--	.02	.70	1.1	.040	.026	81	210
28-29	1935	0835	310	27	.01	1.7	1.2	.180	.023	70	180
29-31	0850	0550	200	21	.04	1.4	1.1	.170	.064	69	160
AUG 31-											
SEP 02	0625	1725	--	--	.08	.60	1.2	.030	.030	87	200
02-04	1825	0525	--	--	.01	.70	1.0	.030	.020	82	160
04-06	0935	0835	--	--	.02	.40	.99	.020	.006	75	180
06-07	0925	0825	--	--	.02	.60	.87	.060	.010	95	210
07...	1134	--	--	--	.05	--	--	--	.020	--	--
07...	1135	--	--	--	.04	--	--	--	.020	--	--
07...	1136	--	--	--	< .01	--	--	< .010	.010	--	--
07...	1137	--	--	--	< .01	--	--	--	.010	--	--
07...	1138	--	--	--	< .01	--	--	--	.010	--	--
07...	1139	--	--	--	< .01	--	--	--	.010	--	--
07...	1140	--	--	--	< .01	--	--	--	.020	--	--
07...	1141	--	--	--	< .01	--	--	--	.010	--	--
07-07	1145	1215	--	--	.02	--	1.2	--	.007	--	--
10-11	0850	0550	--	--	.06	.50	1.5	.010	< .005	84	160
11-12	0650	0750	370	32	.04	1.8	.88	.270	.010	52	130

IRONDEQUOIT CREEK MAIN STEM

0423205010 IRONDEQUOIT CREEK AT BLOSSOM ROAD, ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984--continued

DATE	TIME	ENDING TIME	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	RESIDUE VOLA- TILE, SUS- PENDE (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
SEP--continued											
12-13	0900	1800	144	14	0.04	1.3	0.87	0.140	0.028	67	120
13-14	1900	0800	63	7	.04	.80	.94	.080	.012	85	140
14-17	0835	0735	180	17	.02	1.6	.74	.160	.020	66	130
17-19	0920	0820	--	--	.02	.80	1.0	.060	.022	78	--
19-21	0855	0755	--	--	.01	1.0	1.3	.060	.014	90	220
21-24	0840	0740	--	--	.02	.50	1.0	.050	.015	94	240
24-26	0855	0755	--	--	.01	.60	1.1	.060	.011	94	190
26-28	0900	0800	--	--	< .01	.60	1.1	.070	.012	83	210
SEP 28-											
OCT 01	0850	0750	--	--	.01	.60	.96	.050	.025	100	170

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	ENDING TIME	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)	RESIDUE VOLA- TILE, SUS- PENDE (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
OCT											
01-03	0905	0805	--	--	< 0.01	0.60	1.1	0.020	0.007	94	250
03-05	0925	0825	--	--	.01	.50	.91	.020	.018	79	160
05-09	1005	0905	--	--	.03	.30	.92	.010	.010	96	220
09-12	0940	0840	--	--	.01	.30	1.0	< .010	.009	96	240
12-15	1020	0920	--	--	.02	.60	.94	.040	.009	99	260
15-17	1035	0935	--	--	.05	.40	1.2	.020	.015	100	190
17-19	1130	1030	--	--	< .01	1.5	.93	.050	.006	96	220
19-21	1230	2030	100	9	.03	.80	.74	.110	.005	93	240
21-22	2130	0830	150	16	.02	1.4	.71	.140	.006	92	180
22-24	0915	0815	--	--	.07	.90	.90	.080	.019	91	200
24-26	1025	0925	--	--	.03	.60	.91	.050	.014	90	210
26-29	0910	0810	--	--	.28	.80	1.5	.100	.017	100	190
29-31	1045	0945	--	--	.02	.80	.79	.100	.021	93	190
OCT 31-											
NOV 02	1005	0905	--	--	< .01	.60	.98	.060	.021	100	210
02-04	1120	1020	--	--	.07	.70	.96	.070	.032	100	170
04-05	1120	1020	--	--	.08	.70	1.0	.060	.025	100	190
05-07	1220	0920	--	--	.05	.70	.91	.060	.024	95	190
07-09	1020	0920	--	--	.16	.80	1.2	.040	.012	100	210
09-09	0915	2015	--	--	.08	.50	.88	.030	.024	100	210
09-13	2115	0815	--	--	.02	.60	.97	.020	.020	96	170
13-15	0940	0840	--	--	.06	.60	1.2	.040	.025	110	200
15-16	0950	0850	--	--	.52	.90	1.0	.080	.023	110	170
16-19	1000	0900	--	--	.32	.70	.94	.070	.023	110	140
19-21	1000	0900	--	--	.05	.60	1.1	.050	.015	110	170
21-23	0925	0825	--	--	--	--	--	.060	--	110	--
23-26	1345	0845	--	--	.04	.80	1.3	.060	.013	110	230
26-28	0905	0805	--	--	.03	.60	1.2	.070	.034	100	180
28-30	0920	0820	--	--	.14	.70	.96	.050	.017	100	180

IRONDEQUOIT CREEK MAIN STEM

0423205010 IRONDEQUOIT CREEK AT BLOSSOM ROAD, ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985--continued

DATE	TIME	ENDING TIME	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
NOV 30-											
DEC 03	1020	0920	--	--	0.02	0.50	1.2	0.090	0.012	100	180
03-05	0950	0850	--	--	.07	.60	1.3	.040	.023	95	130
05-07	1050	0950	--	--	.02	.40	1.1	.060	.015	120	200
07-10	1000	0900	--	--	.04	.50	1.3	.050	.012	140	220
10-12	1000	0900	--	--	.02	.80	1.2	.050	.014	140	150
12-14	1150	1050	--	--	.09	.60	1.1	.050	.020	120	150
14-17	1015	0915	--	--	< .01	.90	1.1	.080	.020	140	150
17-19	1035	0935	--	--	.01	.70	1.1	.070	.010	120	200
19-21	1005	0905	--	--	.02	--	1.3	.020	.010	180	150
21-22	1010	0010	--	--	.03	1.5	1.2	.050	.020	170	150
22-24	0110	0910	--	--	.02	1.4	1.3	.320	.010	150	140
24-26	1020	0920	--	--	.03	.70	1.5	.080	.020	120	150
26-28	1020	0920	--	--	.02	.90	1.4	.060	.010	130	150
28-31	0920	0820	--	--	.01	2.4	1.3	.160	.021	110	110
DEC 31-											
JAN 01	1000	0500	--	--	.01	1.3	1.6	.110	.014	84	100
01-02	0600	0900	221	28	.01	1.5	1.5	.140	.019	71	80
02-04	1020	0920	98	17	.01	1.0	1.8	.130	.024	77	100
04-07	1145	1045	--	--	.03	.70	1.7	.060	.008	110	140
07-08	1115	2015	--	--	.01	1.0	1.7	.050	.012	140	150
08-09	2115	1015	--	--	.02	1.1	1.7	.050	.013	170	150
09-11	1015	0915	--	--	.04	1.0	1.6	.050	.017	130	150
11-14	1040	0940	--	--	.03	.60	1.7	.040	.013	130	150
14-15	1115	1615	39	8	.01	1.0	1.8	.050	.015	120	150
15-16	1715	1015	26	7	< .01	1.1	1.8	.040	.015	140	160
16-18	1135	0935	28	5	.03	.70	1.8	.040	.014	140	150
18-20	1000	1800	--	--	.03	.80	2.0	.080	.015	140	150
20-21	1900	0900	--	--	.04	.70	1.8	.060	.013	140	150
21-23	1115	1015	--	--	.04	.70	1.8	.060	.012	130	160
23-25	1035	0935	--	--	.02	1.3	1.5	.050	.012	130	140
25-28	1000	0900	8	< 6	.06	1.0	1.9	.040	.012	160	140
28-30	1025	0925	--	--	.02	.70	1.6	.040	.014	150	140
30-31	1330	0830	--	--	.04	.50	1.8	.040	.028	120	140
JAN 31-											
FEB 01	0930	1030	--	--	.03	.50	1.8	.060	.018	140	150
01-03	1115	1915	--	--	.03	.70	1.7	.040	.019	180	200
03-04	2015	1015	--	--	.06	.70	1.7	.040	.016	210	200
04-05	1155	0655	11	< 5	.04	.70	1.7	.060	.010	170	200
05-06	0755	1055	11	< 5	.04	.80	1.6	.030	.010	150	210
06-08	1155	1055	--	--	.03	.70	1.6	.030	.016	160	200
08-11	1145	1045	--	--	.04	.70	1.5	.040	.013	150	200
11-13	1100	1000	--	--	.01	.90	1.5	.040	.028	190	190
13-15	1140	1040	--	--	.02	2.0	1.4	.040	< .005	350	170
15-19	1120	1020	--	--	.05	1.7	2.2	.020	.005	260	180
19-21	1115	1015	--	--	.03	1.9	1.3	.040	.006	250	170
21-22	1535	1205	--	--	.02	.80	1.6	.060	< .005	220	160
22-22	1225	1425	37	21	.10	--	1.3	.040	.009	210	--
22-25	1225	0925	600	51	.06	4.2	1.8	.300	.016	190	52
22-22	1525	1725	50	27	.02	--	1.5	.060	.006	280	--

IRONDEQUOIT CREEK MAIN STEM

0423205010 IRONDEQUOIT CREEK AT BLOSSOM ROAD, ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985--continued

DATE	TIME	ENDING TIME	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLATILE SUS- PENDED (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
FEB--continued											
22-22	1825	2025	115	28	0.05	--	1.6	0.100	0.007	350	--
22-22	2125	2325	324	33	.24	--	2.3	.150	.009	370	--
23-23	0025	0225	356	35	.06	--	1.7	.210	.011	330	--
23-23	0325	0525	329	35	.09	--	1.6	.190	.015	220	--
23-23	0625	0825	311	32	.15	--	1.9	.170	.018	240	--
23-23	0925	1125	419	39	.05	--	1.8	.170	.017	220	--
23-23	1225	1425	724	58	.05	--	1.9	.780	.015	200	--
23-23	1525	1725	1100	94	.04	--	1.8	.160	.016	180	--
23-23	1825	2025	799	69	.08	--	1.5	.480	.018	120	--
23-23	2125	2325	677	76	.07	--	1.7	.530	.022	140	--
24-24	0025	0225	965	79	.06	--	1.9	.260	.033	130	--
24-24	0325	0525	566	46	.06	--	1.9	1.10	.030	120	--
24-24	0625	0825	452	46	.06	--	1.7	.350	.031	120	--
24-24	0925	1125	472	43	.08	--	1.9	.310	.023	120	--
24-24	1225	2025	871	106	.07	--	1.1	.310	.016	66	--
24-24	2125	2325	509	118	.05	--	1.6	.290	.022	83	--
25-25	0025	0225	310	62	.05	--	1.9	.320	.026	93	--
25-25	0325	0525	604	80	.06	--	1.9	.320	.026	90	--
25-25	0625	0925	143	22	.06	--	2.0	.320	.026	88	--
25-25	1010	1510	153	26	--	--	--	.180	.023	71	--
25-27	1010	0910	130	12	.04	1.8	2.0	.270	.025	79	48
25-25	1610	2110	148	28	--	--	--	.200	.026	71	--
25-26	2210	0310	344	39	--	--	--	.360	.027	79	--
26-26	0410	0910	169	22	--	--	--	.420	.025	77	--
26-26	1210	1710	123	24	--	--	--	.280	.026	80	--
26-27	1810	0910	80	28	--	--	--	.260	.023	74	--
FEB 27-											
MAR 01	0955	0855	--	--	.18	1.1	2.0	.180	.019	120	94
01-04	1000	0900	59	7	.05	1.5	1.9	.190	.016	120	120
04-06	1030	0930	48	6	.10	1.1	1.9	.040	.022	190	120
06-07	1030	1330	--	--	.06	.70	1.7	.040	.014	180	100
07-08	1430	0830	--	--	.06	.70	1.7	.050	.010	170	110
08-11	1600	0900	160	16	.07	1.3	2.0	.140	.032	110	60
11-13	0935	0835	97	10	.06	1.5	2.0	.040	.027	110	70
13-15	0920	0820	82	10	.04	1.4	2.1	.050	.033	100	82
15-18	0920	0820	--	--	.03	1.1	1.5	.040	.013	120	98
18-20	0930	0830	--	--	.03	.80	1.6	.040	.013	120	120
20-22	0935	0835	--	--	.04	.90	1.4	.020	.006	120	140
22-24	0925	0825	--	--	.02	1.2	1.4	.020	.007	110	120
24-25	0925	0825	--	--	.02	1.3	1.9	< .010	.007	120	140
25-26	0950	1650	--	--	.06	.80	2.2	.050	.005	110	110
26-27	1750	0850	--	--	.01	1.1	1.3	.040	< .005	120	140
27-28	1000	1100	--	--	.05	.80	1.1	.050	< .005	120	130
28-29	1200	0900	100	12	.04	1.2	1.0	.100	.010	120	120
29-31	1005	1205	40	6	.02	1.3	1.2	.030	.009	73	120
MAR 31-											
APR 01	1305	0905	611	50	.22	2.6	1.4	.280	.013	87	75
01-03	0925	0825	200	18	.04	1.6	1.5	.200	.010	87	66
03-04	0930	2230	--	--	.01	--	1.5	.040	.005	120	110
04-05	2330	0830	--	--	.01	.80	1.3	.070	.009	110	100
05-08	0935	0835	--	--	.07	.80	1.2	.040	< .005	110	100

IRONDEQUOIT CREEK MAIN STEM

0423205010 IRONDEQUOIT CREEK AT BLOSSOM ROAD, ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985--continued

DATE	TIME	ENDING TIME	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NTRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NTRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NTRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
APR--continued											
08-10	0950	0850	39	< 5	0.03	0.80	1.4	0.050	0.005	110	140
10-10	0955	2055	--	--	< .01	.70	1.5	.050	.008	91	150
10-12	2155	0855	--	--	< .01	1.0	1.3	.060	.007	110	140
12-15	1000	0900	--	--	.04	.60	1.1	.060	.008	110	140
15-17	1005	0905	--	--	.07	1.0	1.1	.040	< .005	100	130
17-19	0925	0825	--	--	.02	1.1	1.3	--	.005	100	150
19-22	0920	0820	111	8	.14	1.4	1.4	.100	.007	90	100
22-24	0945	0845	--	--	.13	1.6	1.6	.100	< .005	100	100
24-26	0930	0830	--	--	.05	1.2	1.1	.060	.036	120	130
26-29	0950	0850	--	--	.06	1.0	1.7	.030	.008	110	140
APR 29-											
MAY 01	0925	0825	--	--	.07	1.0	1.3	.050	.010	110	140
01-03	0930	0830	--	--	.02	.90	1.0	.020	.005	120	180
03-06	0930	0230	--	--	.04	.80	1.2	.030	< .005	110	180
06-06	0330	0830	--	--	.07	.90	1.4	.040	.008	110	160
06-08	0925	0825	--	--	.10	1.1	1.4	.070	.005	83	110
08-10	0930	0830	--	--	.05	.90	1.0	.040	< .005	92	120
10-12	0930	2030	--	--	.03	.90	1.0	.020	.011	97	140
12-13	2130	0830	--	--	.03	.90	1.2	.070	< .005	95	120
13-15	0930	0830	--	--	.03	1.0	1.1	.070	.007	110	130
15-17	0935	0835	--	--	.04	1.0	1.3	.070	< .005	110	140
17-18	1010	1210	--	--	.05	.60	1.2	.060	.015	110	150
18-20	1310	0910	--	--	.04	.90	1.6	.050	.008	110	150
20-20	0945	2045	--	--	.08	.90	1.2	.080	.007	96	160
20-22	2145	0845	--	--	.06	.90	1.2	.150	.008	110	160
22-24	0930	0830	--	--	.02	.80	1.0	.090	.009	110	160
24-26	0940	0840	--	--	.15	.90	1.4	.060	.016	110	170
26-26	0940	1640	--	--	.08	.70	1.2	.080	.018	110	180
28-30	0930	0730	--	--	.03	1.0	1.1	.080	.017	100	160
28...	0935	--	--	--	.10	.80	1.3	.070	.020	97	170
30-31	1615	0815	--	--	< .01	1.0	1.1	.050	.019	100	160
MAY 31-											
JUN 03	0915	0815	322	40	.04	2.1	1.1	.180	.035	84	120
03-05	0935	0835	95	11	.03	1.0	1.6	.060	.020	110	160
05-07	0925	0825	128	18	.09	1.4	2.0	.110	.021	100	140
07-09	0920	1720	--	--	.04	.70	1.9	.020	.018	110	180
09-10	1820	0820	104	11	.01	1.1	1.1	.090	.010	110	140
10-12	0930	0030	--	--	.02	.90	1.0	.090	.017	100	150
12-12	0130	0830	236	24	.01	1.7	1.0	.180	.008	86	120
12-13	0935	0235	378	42	.04	1.9	1.2	.030	.009	65	87
13-14	0335	0835	221	25	< .01	1.1	1.5	.050	< .005	81	89
14-16	0935	1425	108	12	< .01	1.3	1.6	.110	.020	100	120
16-17	1535	0835	153	16	.05	1.0	1.4	.170	.017	94	120
17-19	0945	0845	118	14	.02	1.1	1.6	.080	.020	96	130
19-20	0935	2035	--	--	.05	.80	1.3	.080	.022	110	150
20-21	2135	0835	--	--	.07	1.0	1.8	.060	.015	110	150
21-24	0945	0845	--	--	.12	.80	1.4	.030	.011	100	150
24-26	0945	0845	--	--	< .01	.70	1.4	.080	.015	120	160
26-28	0945	0845	--	--	.15	.70	1.6	.080	< .005	110	170
28-28	0950	1750	--	--	< .01	.60	1.4	.060	< .005	110	180

IRONDEQUOIT CREEK MAIN STEM

0423205010 IRONDEQUOIT CREEK AT BLOSSOM ROAD, ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985--continued

DATE	TIME	ENDING TIME	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
JUN 28-											
JUL 01	1850	0850	--	--	< 0.01	0.70	1.1	0.070	0.006	110	180
01-03	1010	0910	--	--	< .01	1.1	1.2	.070	.019	110	180
03-04	0920	0420	--	--	.04	--	.98	.100	.014	110	--
04-05	0520	0820	41	7	.06	--	1.0	.070	.028	100	--
05-06	0935	2035	--	--	.08	.90	1.2	.100	.010	110	160
06-08	2135	0835	71	11	.01	1.0	1.0	.120	.020	100	160
08-09	0925	1825	--	--	.02	.80	1.0	.080	< .005	110	180
09-10	1925	0825	117	18	< .01	.80	1.2	.140	< .005	100	140
10-10	0930	1430	--	--	.07	.60	1.5	.110	.038	110	150
10-12	1530	0830	61	< 10	.03	.50	1.1	.120	.006	110	150
12-15	0925	0825	--	--	.04	.70	1.1	.120	.029	110	160
15-15	1000	1100	--	--	.22	.40	1.3	.120	< .005	110	160
15-17	1200	0900	160	17	.22	.80	1.4	.210	.024	100	150
17-19	0935	0835	61	8	.02	.80	.90	.160	.046	110	150
19-22	0925	0825	51	7	.06	1.0	.93	.080	< .005	110	160
22-24	0920	0820	37	6	.02	1.0	.84	.080	< .005	110	180
24-26	0920	0820	45	7	.04	.80	.81	.090	< .005	120	180
26-29	0925	0825	45	7	.04	.70	1.0	.100	.048	110	200
29-31	0920	0820	42	7	.02	.50	.95	.110	.008	120	200
JUL 31-											
AUG 02	1005	0905	--	--	.04	.60	.83	.120	.015	110	210
02-05	1010	0910	47	7	.01	.80	.78	.090	.014	120	200
05-07	1005	0905	35	< 5	< .01	.60	.86	.060	.010	120	220
26-26	0955	2055	--	--	.03	1.0	1.0	.170	.017	100	190
26-28	2155	0855	158	23	.02	1.3	.85	.280	.020	88	150
28-29	0950	0850	84	12	< .01	1.0	1.2	.140	< .005	98	150
29-30	0950	0850	107	45	.07	1.0	.92	.100	< .005	98	130
30-30	0935	1635	--	--	.01	.80	.94	.090	.015	110	180
AUG 30-											
SEP 03	1735	0835	--	--	.02	.90	1.1	.050	.011	100	180
03-05	0930	0230	--	--	.08	.90	.88	.080	< .005	110	91
05-06	0330	0830	249	50	.04	1.7	1.4	.190	< .005	87	150
06-07	1035	1535	84	13	.06	.90	1.4	.110	.020	93	180
07-08	1635	0035	--	--	< .01	1.0	1.4	.170	.021	110	140
08-09	0135	0935	31	26	.05	1.6	1.4	--	.015	86	160
09-11	1015	0915	201	33	< .01	1.7	1.1	--	.023	74	130
11-13	0935	0835	74	10	.03	1.9	1.5	.140	.028	120	160
13-16	0955	0855	--	--	.04	1.1	1.1	.100	.020	130	160
16-18	0950	0850	--	--	.12	1.2	.99	.120	< .005	270	170
18-20	0950	0850	--	--	.03	1.0	.84	.060	.010	100	180
20-23	1000	0900	--	--	.04	1.3	.98	.070	.019	110	240
23-24	0945	0645	--	--	.03	.90	.96	.070	.010	110	260
24-25	0745	0845	--	--	.03	1.1	1.2	.060	.010	100	210
25-26	0940	1840	--	--	.13	1.0	1.0	.080	.015	100	180
26-27	1940	0840	--	--	.07	1.0	.95	.100	< .005	97	170
27-30	1000	0900	--	--	.04	.90	.86	.110	.014	88	160
SEP 30-											
OCT 02	0940	0840	--	--	.02	.80	.78	.080	.010	100	190

IRONDEQUOIT CREEK MAIN STEM

0423205010 IRONDEQUOIT CREEK AT BLOSSOM ROAD, ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TIME	ENDING TIME	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
OCT											
02-04	0920	0820	--	--	0.03	0.90	0.89	0.080	< 0.005	100	190
04-04	0940	2340	--	--	.04	1.1	.69	.080	< .005	100	200
05-07	0040	0840	--	--	.05	1.2	.71	.080	< .005	99	200
07-09	0945	0845	--	--	.02	.90	.61	.070	.012	110	240
09-10	1105	1005	--	--	.04	.70	.60	.060	.009	110	230
10-11	1105	0905	--	--	.04	1.0	.57	.070	.020	110	200
11-12	0930	1630	16	< 5	.05	1.3	.77	.060	< .005	110	200
12-15	1730	0430	19	< 5	.05	1.3	.77	.060	< .005	110	200
15-15	0530	0830	--	--	.04	1.4	.62	.080	< .005	100	200
15-18	0925	0825	--	--	.06	.80	.74	.060	< .005	100	150
18-18	0925	1725	--	--	.02	.90	.55	.040	.008	110	150
18-21	1825	0825	47	7	.02	.90	.60	.070	.005	94	130
21-23	0945	0845	--	--	.03	.80	.54	.060	.016	120	170
23-24	0940	0440	--	--	.04	.80	.59	.070	.008	110	160
24-25	0540	0840	64	9	.02	1.1	.47	.120	.010	92	160
25-28	1005	0905	--	--	.16	.80	.91	.040	.015	110	200
28-30	0925	0825	--	--	.06	.80	.60	.080	.013	110	170
OCT 30-											
NOV 01	0920	0820	--	--	.03	.80	.54	.060	< .005	110	200
01-03	0945	2045	--	--	.04	.90	.57	.100	.005	110	220
03-04	2145	0845	--	--	.03	1.0	.61	.130	< .005	88	170
04-05	0930	0030	101	14	.04	1.4	.46	.230	.016	60	110
05-06	0130	0830	363	37	.03	3.2	.60	.190	.031	52	85
06-08	0930	0830	143	18	.02	2.0	1.4	.160	.022	97	110
08-08	0930	2030	260	24	.02	1.9	1.6	.140	.017	79	140
08-12	2130	0830	119	13	.02	1.2	1.8	.090	.021	79	130
12-15	0950	0850	192	--	.11	1.7	1.7	.140	.021	70	120
15-16	0930	2030	144	22	.02	1.7	1.8	.170	.025	71	100
16-18	2130	0830	153	22	< .01	1.5	1.6	.100	.023	66	100
18-20	0945	0845	89	13	.05	1.3	1.7	.100	.026	85	76
20-22	0925	0825	--	--	.04	1.0	1.7	.090	.018	93	180
22-25	0930	0830	49	11	.05	1.3	1.6	.080	.020	130	140
25-26	0925	0625	--	--	< .01	1.3	1.6	.080	.023	99	150
26-27	0725	0825	--	--	.02	1.2	1.8	.060	.026	190	140
27-29	0925	0825	78	11	.02	--	1.4	.130	.017	110	110
29-29	1005	1505	--	--	.02	--	1.7	.090	.025	160	140
DEC											
02	1605	0905	44	7	.04	--	2.2	.090	.022	110	120
02-04	0955	0855	95	14	.02	--	1.7	.260	.025	90	130
04-06	0935	0835	--	--	.03	1.1	2.1	.040	.018	100	160
06-09	0945	0845	--	--	.03	1.1	2.1	.080	.016	110	160
09-10	0945	1445	--	--	.02	.90	2.0	.120	.009	110	150
10-11	1545	0845	--	--	.02	1.0	1.8	.090	.009	110	150
11-13	0930	0830	--	--	.06	1.2	1.8	.130	.008	170	150
13-16	0925	0825	--	--	.06	.90	1.8	.130	.025	160	140
16-18	0940	0840	--	--	< .01	.90	1.9	.080	< .005	130	120
18-20	0940	0840	--	--	.03	1.0	2.2	.050	.007	130	140
20-23	0905	0805	--	--	.03	.80	2.2	.050	.010	130	140
23-25	0930	0930	--	--	.05	1.1	1.9	.060	.009	220	240
27-30	0945	0845	--	--	.07	1.3	1.9	.120	.008	140	120

IRONDEQUOIT CREEK MAIN STEM

0423205010 IRONDEQUOIT CREEK AT BLOSSOM ROAD, ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986--continued

DATE	TIME	ENDING TIME	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- ORTHOS, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
DEC 30											
JAN 03	1400	0900	--	--	0.030	0.90	1.7	0.050	0.009	120	150
06...	1230	--	--	--	.05	.80	1.8	.050	< .005	120	190
06-08	1430	0930	--	--	.06	.80	1.7	.070	.006	150	140
10...	0935	--	--	--	.06	.70	1.8	.020	.009	140	230
10-13	1650	0850	--	--	.04	.70	1.7	.060	.008	140	190
13-15	0945	0845	--	--	.02	.60	1.7	.040	.015	240	200
15-17	0920	0820	--	--	.02	.70	1.7	.020	.011	180	190
17-17	0910	1610	--	--	.04	.70	1.7	.030	.016	160	90
17-19	1710	1210	53	7	.03	.90	1.7	.120	.012	260	130
19-20	1310	1610	158	17	.03	1.8	1.9	.150	.010	170	120
20-21	1710	0810	538	54	.04	3.2	1.7	.540	.022	150	83
21-24	1000	0900	190	18	.03	1.5	2.0	.040	.021	100	82
24-27	0935	0835	--	--	.02	1.0	2.1	.100	.006	110	140
27-29	1015	0915	--	--	--	--	--	--	--	140	--
29-31	0930	0830	--	--	.03	.80	2.0	.050	.007	120	170
JAN 31-											
FEB 01	1055	1855	--	--	.02	.70	2.1	.030	.006	120	73
01-03	1955	0855	--	--	.02	.70	2.1	.060	.005	300	140
03-04	0935	1635	--	--	.02	.70	2.0	.100	.009	230	160
04-05	1735	0835	129	18	.03	1.9	1.7	.030	.009	240	120
05-07	0935	0835	127	18	.03	1.3	1.6	.180	.013	120	70
07-10	0915	0815	--	--	.02	.80	1.8	.080	.014	150	150
10-14	0925	0825	--	--	.02	.80	1.7	.050	.009	140	150
14-18	0910	0810	--	--	.02	1.0	1.9	.060	.007	140	170
18-19	0915	0815	54	6	.01	1.1	1.9	.100	.009	310	160
19-20	0920	1020	129	12	.09	1.4	2.2	.250	.014	190	93
20-21	1120	0820	68	22	.05	1.8	1.8	.070	.030	110	64
21-24	0920	0820	124	10	.03	1.2	1.9	.280	.017	120	79
24-26	0930	0830	--	--	.04	.80	2.3	.090	.017	130	130
26-28	0920	0820	--	--	.03	.70	1.9	.040	.009	130	130
FEB 28-											
MAR 03	0900	0800	--	--	.02	.70	2.1	.040	.009	120	130
03-05	0915	0815	--	--	.01	.70	1.9	.030	.007	120	180
05-06	0920	1620	--	--	< .01	.80	1.7	.040	.006	130	150
06-07	1720	0820	--	--	< .01	1.0	1.9	.050	< .005	240	170
07-07	0930	2330	--	--	.02	.90	1.5	.060	< .005	200	160
08-10	0030	0830	--	--	.02	1.0	1.8	.040	< .005	210	170
10-11	0930	0430	254	21	.09	1.6	1.9	.120	.008	320	110
11-12	0530	0830	369	29	.05	2.1	1.7	.110	.020	120	72
12-13	0930	0630	113	10	.04	1.3	1.7	.100	< .005	110	90
13-14	0730	0830	515	41	.04	1.0	1.5	.100	.008	100	69
14-17	0925	0825	--	--	.02	1.1	1.8	.090	.015	85	81
17-19	0945	0245	--	--	.04	1.1	2.1	.070	.012	99	98
19-19	0345	0845	--	--	.01	1.2	1.8	.050	.010	100	74
19-21	0925	0825	--	--	.02	1.1	1.6	.080	.005	110	92
21-24	0930	0830	--	--	.03	.90	1.9	.040	.007	110	130
24-26	0935	0835	--	--	.01	1.3	1.9	.030	< .005	110	130
26-28	1100	0900	--	--	.06	1.0	1.4	.040	.005	120	220
31-31	0925	0925	--	--	.02	1.0	1.3	.040	< .005	110	170

IRONDEQUOIT CREEK MAIN STEM

0423205010 IRONDEQUOIT CREEK AT BLOSSOM ROAD, ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986--continued

DATE	TIME	ENDING TIME	TUR- BID- ITY (NTU)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN,AM- MONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
APR												
02-04	0920	0820	--	--	--	0.03	1.0	1.5	0.040	0.005	120	160
04-05	1000	1500	--	--	--	.04	.90	2.5	.050	.006	110	150
05-07	1600	0900	--	164	14	.02	1.6	1.4	.140	.007	100	120
07-08	0950	0050	--	--	--	.04	1.2	1.3	.060	.007	110	100
08-09	0150	0850	--	--	--	.02	1.0	1.2	.060	.005	110	110
09-11	0940	0840	--	--	--	--	.90	--	.060	.021	110	120
11-14	0925	0825	--	--	--	.08	.90	1.1	.040	.023	110	110
14-15	0930	0630	--	--	--	.03	1.3	1.2	.060	.007	110	110
15-16	0730	0830	--	--	--	.02	1.2	1.1	.120	.005	110	78
16-18	0945	0845	--	566	38	.04	2.3	1.4	.300	.005	70	44
18-20	0930	2030	--	144	13	.02	1.1	1.2	.070	.009	81	66
20-21	2130	0830	--	327	43	.02	1.1	1.3	.080	.005	88	58
21-23	0930	0830	--	--	--	.02	1.6	1.2	.070	.009	87	92
23-25	0930	0830	--	--	--	.03	1.2	1.3	.050	.007	98	110
25-28	0935	0835	--	--	--	.02	1.2	1.1	.040	.007	100	150
28-30	0925	0825	--	--	--	.01	1.0	1.3	.080	.008	100	130
APR 30-												
MAY 02	0910	0810	--	--	--	.07	1.3	1.5	.060	.007	110	150
02-05	1000	0900	2.8	--	--	.03	1.0	1.3	.050	.010	110	130
07...	1005	--	1.7	--	--	.06	.99	1.3	.030	.009	110	210
09...	0955	--	3.2	--	--	.03	1.1	1.7	.040	<.005	110	220
12...	0940	--	2.6	--	--	--	--	--	--	--	110	--
14...	0955	--	3.4	--	--	.01	1.6	1.2	.040	<.005	110	190
16-16	0925	1825	--	80	12	.02	1.6	.71	.160	.006	98	160
16...	0940	--	3.9	--	--	.02	1.3	1.3	.080	<.005	110	180
19-19	0955	1455	50	253	28	.03	1.8	.64	.050	.008	94	140
19...	1000	--	5.4	--	--	.07	.75	.98	.050	<.005	110	180
21...	0945	--	34	110	13	.05	1.4	.89	.110	.016	81	120
22-23	1710	0910	40	124	15	<.01	1.8	1.1	.150	.006	91	120
23-27	0955	0855	2.9	--	--	.01	1.5	1.2	.120	.010	100	160
27-30	0945	0845	2.2	--	--	<.01	1.1	1.5	.090	.011	110	180
MAY 30-												
JUN 01	0955	1755	14	--	--	.01	.96	1.2	.060	.015	120	88
01-02	1855	0855	70	249	29	.02	2.3	1.6	.240	.010	82	77
02-04	0920	0820	25	--	--	.02	1.3	1.3	.150	.023	100	150
04-05	0940	1040	17	--	--	.04	1.4	1.4	.100	.009	110	170
05-06	1140	0840	41	131	37	<.01	1.8	1.4	.190	.011	100	140
06-07	0940	1740	19	--	--	.22	1.4	1.4	.080	.017	110	200
07-09	1840	0840	210	692	54	.16	3.3	1.1	.180	.010	67	82
09-11	0945	0845	50	122	15	.03	1.8	1.2	.060	.022	92	120
11-12	0925	0425	--	--	--	<.01	1.3	1.2	.160	.027	100	130
12-13	0525	0825	--	993	82	.01	3.7	.90	.200	.032	62	61
13-16	0920	0820	190	327	25	.03	2.4	1.2	.360	.039	70	81
16-16	0920	1820	55	128	14	.02	1.5	1.1	.190	.042	83	120
16-18	1920	0820	130	259	27	<.01	1.9	1.2	.380	.038	79	120
18-19	0925	1425	58	116	14	<.01	1.3	1.2	.220	.053	92	130
19-20	1525	0825	180	402	36	.01	2.1	1.2	.170	.050	78	120

IRONDEQUOIT CREEK MAIN STEM

0423205010 IRONDEQUOIT CREEK AT BLOSSOM ROAD, ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986--continued

DATE	TIME	ENDING TIME	TUR- BID- ITY (NTU)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN,AM- MONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHOPHOS- PHATE, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
JUN												
20-22	0910	2310	140	302	22	0.04	2.0	1.3	0.460	0.045	65	74
23-23	0010	0810	75	194	19	< .01	1.7	1.1	.460	.034	75	89
23-25	0915	0815	93	162	18	.02	1.6	1.2	.240	.035	82	100
25-27	0930	0830	31	73	9	.01	1.5	1.2	.140	.034	97	160
27-29	0945	1445	33	83	12	.02	1.5	1.0	.160	.029	98	160
29-30	1545	0845	34	85	12	.01	1.7	1.1	.170	.020	98	150
JUN 30-												
JUL 01	1110	2210	26	--	--	.07	1.3	.57	.090	.018	96	160
01-03	2310	1010	140	292	30	.03	2.4	1.1	.100	.018	79	120
03-07	1105	0905	28	--	--	.01	1.4	1.1	.080	.052	100	150
07-07	1005	1305	22	--	--	.02	1.3	1.2	.060	.023	110	160
07-09	1405	0905	21	--	--	.02	1.5	1.2	.060	.023	110	170
09-11	0925	0825	4.3	--	--	< .01	1.4	1.1	.120	.017	110	190
11-12	0935	0235	16	--	--	.01	1.5	.94	.110	.020	110	200
12-13	0335	2035	36	100	15	.01	1.5	1.1	.070	.018	90	160
13-14	2135	0835	31	104	13	.02	1.3	.88	.120	.014	91	170
14-16	0915	0815	33	100	14	.01	1.5	.93	.050	.023	97	160
16-18	0930	0830	20	--	--	.02	1.1	.90	.100	.017	110	170
18-18	1000	2400	16	--	--	.04	.94	.98	.090	.027	96	170
19-21	0100	0900	34	--	--	.02	1.8	1.0	.110	.028	74	120
21-23	0935	0835	--	--	--	.26	1.1	.91	.050	.023	100	160
25-28	1930	0930	34	67	8	.92	1.2	.88	.140	.140	93	180
28-28	0945	2245	21	37	6	.23	.87	1.2	.090	.018	96	170
28-29	2345	1645	24	48	6	--	1.3	.92	.060	.009	96	180
29-30	1745	0845	42	89	10	--	1.6	.80	.090	.014	86	170
JUL 30-												
AUG 01	1520	1420	110	510	51	.04	2.0	.97	.260	.030	59	76
01-03	1625	1825	120	--	--	.05	1.9	1.1	.090	.028	73	100
03-04	1925	1325	150	240	24	.04	2.1	1.6	.220	.014	73	82
04-06	1345	0945	32	83	10	.40	1.3	1.2	.190	.017	96	150
06-07	1025	1525	22	47	6	.06	1.0	1.2	.070	.017	100	150
07-08	1625	0925	600	1100	92	.08	3.5	.90	--	.026	63	200
08-10	1015	1815	310	360	28	.03	2.1	1.1	.370	.058	64	98
10-11	1915	0915	120	359	28	.05	2.0	.46	.060	.020	60	78
11-13	1005	0905	170	327	27	.06	.58	.91	.130	.035	65	80
13-15	1010	0910	48	87	14	.08	1.3	1.1	.210	.018	90	160
15-16	1025	0025	27	--	--	.07	1.0	1.1	.060	.025	96	160
16-16	0125	1225	39	116	16	.09	2.3	1.1	.060	.019	93	150
16-17	1325	1525	120	181	22	.07	2.3	.98	.100	.022	74	110
17-18	1625	0925	280	505	53	.07	3.0	.96	.120	.051	63	110
18-20	1035	0935	85	154	19	.01	2.4	.99	--	--	90	130
20-21	1000	2100	30	36	8	.29	1.2	.50	.370	.025	100	160
21-22	2200	0900	38	96	11	< .01	1.5	1.1	--	.020	100	150
22-23	0950	2350	38	70	9	< .01	1.3	1.1	.150	.023	96	160
24-25	0050	0850	30	62	10	< .01	1.1	1.4	.150	.019	98	170
25-27	1105	1005	10	8	5	< .01	1.1	1.1	.110	.018	100	170
27-29	1055	0855	13	--	--	< .01	--	.91	.160	.014	100	180

IRONDEQUOIT CREEK MAIN STEM

0423205010 IRONDEQUOIT CREEK AT BLOSSOM ROAD, ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986--continued

DATE	TIME	ENDING TIME	TUR-BID-ITY (NTU)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L)	RESIDUE VOLA-TILE, SUS-PENDED (MG/L)	NITRO-GEN,AM-MONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SULFATE DIS-SOLVED (MG/L AS SO ₄)
AUG 29-												
SEP 02	0935	0935	2.3	--	--	--	1.1	--	0.050	0.009	110	200
02-03	0950	1850	3.2	--	--	0.02	.84	0.66	.100	.012	110	210
05-08	1550	1250	8.5	--	--	< .01	1.2	.75	.090	.010	110	210
08-10	1300	0900	9.0	--	--	< .01	1.0	1.0	.090	.007	110	200
10-11	1000	0700	5.9	--	--	< .01	.96	.90	.060	< .005	110	210
11-12	0800	0600	6.5	--	--	.65	1.1	1.1	.090	< .005	110	200
12-15	1110	0910	2.2	--	--	.56	.98	.09	.080	.008	100	190
15-17	1005	0905	6.1	--	--	.02	1.5	.09	.120	.009	77	140
17-19	0945	0845	14	--	--	.03	1.5	.84	--	.010	98	150
19-20	1015	0615	3.5	--	--	1.10	.81	1.1	.160	.012	100	180
20-22	0715	0915	4.2	--	--	1.10	.93	1.2	.160	.013	100	190
22-23	1040	0140	11	150	16	.03	--	1.2	.120	.024	100	200
23-24	0240	0940	420	677	65	< .01	3.0	.90	--	.039	66	120
24-26	1000	0900	34	--	--	.05	2.0	1.4	.240	.025	97	150
26-29	1010	0910	31	68	9	.00	.95	1.1	.210	.033	99	180
29-30	1505	1305	510	1200	86	.03	4.7	.92	1.76	.032	41	69

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TIME	ENDING TIME	TUR-BID-ITY (NTU)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L)	RESIDUE VOLA-TILE, SUS-PENDED (MG/L)	NITRO-GEN,AM-MONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SULFATE DIS-SOLVED (MG/L AS SO ₄)
OCT												
01...	0920	--	44	112	16	0.04	3.1	0.58	--	0.057	57	77
01-03	1025	0825	74	234	29	< .01	2.0	.72	0.07	.050	71	95
03-04	1640	1540	510	375	54	.15	3.3	1.0	1.04	.140	60	87
04-06	1640	0840	150	--	--	.40	2.6	.82	.510	.066	58	77
06-08	0950	0810	27	--	--	.07	1.6	1.0	.220	.065	76	92
08-10	1000	0900	40	57	9	.05	1.2	1.1	.150	.050	85	130
10-13	0955	0855	18	--	--	.04	.87	1.3	.120	.030	89	140
14...	1000	--	38	78	14	.03	1.4	.85	.410	.040	66	86
14-17	1010	0910	43	83	10	< .01	1.0	.99	.250	.040	81	100
17-20	1115	0915	23	--	--	< .01	1.1	1.1	.120	.030	84	110
20-22	1000	0900	13	--	--	< .01	1.2	1.2	.085	.028	91	130
22-24	0915	0815	6.6	--	--	< .01	1.1	1.2	.133	.024	98	150
24-27	0955	0855	4.9	--	--	< .01	.88	1.1	.060	.012	96	160
27-27	0925	1425	6.5	--	--	< .01	.95	1.1	.055	.014	95	150
27-27	1525	2025	7.5	--	--	.01	.82	1.1	.059	.012	95	150
28-29	1625	0825	16	--	--	.02	.86	.89	.086	.014	87	170
29-31	1000	0900	7.8	--	--	< .01	1.2	1.4	.081	.014	93	110
OCT 31-												
NOV 02	1010	0010	2.5	--	--	.01	.77	.96	.055	.011	96	110
02-02	0110	0810	2.5	--	--	.01	.97	.96	.066	.009	97	100
03...	0930	--	2.3	--	--	.02	.97	1.0	--	.013	92	110
03-05	1030	0930	4.3	--	--	.03	1.2	1.2	.091	.032	95	85
05-07	0930	0830	3.9	--	--	.19	1.3	1.0	.083	.013	94	140

IRONDEQUOIT CREEK MAIN STEM

0423205010 IRONDEQUOIT CREEK AT BLOSSOM ROAD, ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987--continued

DATE	TIME	ENDING TIME	TUR- BID- ITY (NTU)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN,AM- DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
NOV--continued												
07-10	0925	0825	2.6	--	--	0.07	0.91	1.0	0.041	0.022	97	150
10-11	0935	1135	1.4	--	--	.03	.87	1.0	.038	.012	150	150
11-13	1235	0835	1.9	--	--	.03	.73	.98	.056	.010	150	150
13-17	0930	0830	2.0	--	--	< .01	.76	1.2	.033	.012	150	160
17-19	1000	0900	2.7	--	--	< .01	.93	1.2	.034	.007	100	180
19-20	1010	1710	2.6	--	--	.02	1.3	1.5	.039	.008	120	160
20-21	1810	0910	4.0	--	--	.02	1.1	1.1	.042	< .005	180	170
21-23	1010	1810	3.1	--	--	< .01	1.2	1.2	.031	.007	220	150
23-24	1910	0910	4.2	--	--	< .01	1.3	1.3	.048	.006	140	140
24-26	0950	0850	5.1	--	--	.01	.72	1.0	.060	.005	100	120
26-28	0915	0815	--	253	28	< .01	2.3	1.1	.420	.048	79	68
NOV 28-												
DEC 01	0950	0850	16	--	--	.02	1.4	1.3	.100	.066	85	100
01-02	1000	1300	12	--	--	.02	1.1	1.3	.080	.009	95	140
02-03	1400	0400	75	252	27	.04	3.9	.93	.445	.028	170	78
03...	1000	--	35	126	12	.03	1.6	.80	.250	.063	75	52
03...	2320	--	60	173	16	.07	1.5	1.1	.120	.050	65	39
04...	1350	--	35	71	8	.02	1.3	1.1	.170	.050	94	50
04-04	1700	2000	70	--	--	.01	2.1	1.7	.310	.030	100	46
04...	2040	--	40	67	8	< .01	1.4	1.8	.150	.035	120	54
05...	0955	--	16	--	--	< .01	1.2	1.6	.090	.025	87	61
08...	0935	--	20	--	--	.01	.80	1.3	.095	.025	92	78
10...	1000	--	45	92	11	.01	1.3	1.3	.180	.065	94	69
12...	0955	--	10	--	--	.03	.97	1.6	.050	.015	92	92
15...	1005	--	4.6	--	--	.06	--	1.8	.040	.009	110	120
17...	0920	--	3.0	--	--	.08	--	1.8	.050	.006	100	130
17-18	0950	0450	38	117	12	.05	1.2	1.8	.190	.024	110	120
18-19	0550	0850	35	--	--	.04	1.1	1.8	.135	.009	120	100
19-22	1005	0905	7.4	--	--	.04	.73	1.7	.050	.006	100	120
22-24	1000	0900	6.5	--	--	.07	.78	2.2	.050	.008	97	130
24-24	1015	1915	3.0	--	--	.05	.91	1.8	.070	.009	98	140
24-25	2015	1315	60	145	18	.04	1.6	1.5	.260	.025	90	94
26...	1030	--	20	--	--	.04	1.0	1.3	.100	.016	79	87
29...	0950	--	21	--	--	.07	--	1.8	.040	.010	94	110
31...	0930	--	3.5	--	--	.02	--	1.9	.030	< .005	96	120
JAN												
02...	1045	--	3.3	--	--	.02	.86	1.6	.040	.006	96	130
05...	1020	--	3.0	--	--	.02	1.1	1.7	.035	.007	140	150
06-07	1630	0930	4.7	--	--	.04	1.1	1.9	.040	.005	120	160
07...	1230	--	4.2	--	--	.03	.94	1.8	.030	.007	130	140
08...	1505	--	4.1	--	--	.02	1.1	1.5	.040	.007	140	140
08-09	1940	0840	12	--	--	.02	1.2	1.6	.050	.009	120	130
09-12	0925	0825	--	--	--	< .01	1.1	1.5	.030	.005	170	26
12-14	0950	0850	2.0	--	--	< .01	1.4	1.8	--	< .005	190	130
14-14	0950	1450	3.5	--	--	< .01	.99	1.5	.030	< .005	170	120
14-16	1550	0850	40	122	12	< .01	1.5	1.3	.160	.006	160	87
16-20	0955	0855	9.4	--	--	< .01	.93	1.4	.080	< .005	110	91
20-23	1015	0915	3.6	--	--	< .01	.90	1.5	.040	< .005	160	130
23-26	1010	0910	4.4	--	--	< .01	1.0	1.6	.030	< .005	160	140
26-28	1045	0845	3.3	--	--	.01	1.4	1.6	.040	< .005	130	150
28-30	0945	0845	3.0	--	--	< .01	1.0	1.5	.030	< .005	130	150

IRONDEQUOIT CREEK MAIN STEM

0423205010 IRONDEQUOIT CREEK AT BLOSSOM ROAD, ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987--continued

DATE	TIME	ENDING TIME	TUR-BID-ITY (NTU)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L)	RESIDUE VOLA-TILE, SUS-PENDED (MG/L)	NITRO-GEN,AM-MONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SULFATE DIS-SOLVED (MG/L AS SO ₄)
JAN 30-												
FEB 02	0950	0850	4.2	--	--	< 0.01	1.1	1.5	< 0.005	< 0.005	210	140
02-04	0925	0825	4.6	--	--	< .01	1.1	2.0	.050	.006	260	140
04-06	0950	0850	6.0	--	--	< .01	1.1	1.5	.050	< .005	250	130
06-09	1105	1005	2.0	--	--	< .01	1.1	1.3	.020	< .005	210	130
09-11	1040	0840	4.3	--	--	.05	.85	1.8	.040	< .005	190	130
11-13	0935	0835	3.6	--	--	.02	1.1	1.4	.040	< .005	170	100
13-17	0930	0830	4.5	--	--	< .01	.90	1.5	.010	< .005	170	120
17-19	0935	0935	--	--	--	< .01	1.0	1.6	.025	< .005	140	160
19-23	1020	0920	--	--	--	< .01	1.1	1.5	.025	< .005	130	160
23-25	0920	0820	--	--	--	< .01	.73	1.4	.050	< .005	180	160
25-27	0955	0655	--	--	--	< .01	.69	1.3	.040	< .005	150	150
27-28	1000	2100	--	--	--	< .01	.53	1.3	.040	< .005	130	160
FEB 28-												
MAR 02	2200	0900	--	--	--	< .01	2.2	1.3	.300	.032	130	86
02-04	1000	0900	--	--	--	.06	1.9	1.5	.430	.010	81	58
04-06	0950	0850	--	--	--	< .01	1.1	1.8	.140	.005	110	87
06-07	0940	0840	--	--	--	< .01	1.1	1.5	.125	< .005	110	91
07-09	0940	0840	--	--	--	< .01	1.1	1.1	.255	< .005	77	72
09-11	0945	0845	--	--	--	< .01	1.2	1.1	.130	< .005	85	92
11-13	0920	0920	--	--	--	< .01	.91	1.4	.120	< .005	100	120
13-16	0815	0715	--	--	--	.01	.95	1.5	.050	< .005	100	130
16-18	0930	0830	--	--	--	.04	.98	1.4	.050	< .005	110	150
18-20	0945	0845	--	--	--	.08	.76	1.4	.065	< .005	100	150
20-23	0955	0855	2.4	--	--	.02	.93	1.1	.045	< .005	100	160
23-25	0930	0830	6.5	--	--	.02	1.1	1.1	.075	< .005	100	160
25-25	0935	1235	3.1	--	--	.05	1.1	1.1	.070	< .005	100	140
25-27	1335	0835	11	--	--	.03	1.4	1.5	.260	< .005	120	150
27-30	0955	0855	5.0	--	--	.02	1.0	.94	.080	< .005	110	140
30-31	1015	0515	39	70	7	.02	1.4	.90	.190	< .005	110	100
MAR 31-												
APR 01	0615	0915	95	192	17	.02	2.1	.88	.230	.006	150	76
01-02	0950	0450	60	152	13	.04	4.4	1.1	.330	.006	140	61
02-03	0550	0850	70	147	12	.03	1.6	1.3	.310	< .005	120	65
03-04	1015	0615	45	97	8	.04	1.2	1.1	.135	.005	100	77
04-06	0715	0915	150	494	33	< .01	1.4	1.0	.500	.007	86	45
06-08	1050	0950	100	236	20	.02	1.7	1.1	.335	.008	69	45
08-10	1030	0930	29	--	--	< .01	--	1.3	.125	.009	86	140
10-12	1015	1515	16	--	--	.04	1.0	1.2	.095	< .005	98	97
12-12	1615	2115	26	62	7	.03	1.2	1.1	.095	< .005	91	86
12-13	2215	0915	40	118	13	< .01	1.4	.95	.155	.011	82	68
13-16	0935	0835	38	--	--	< .01	1.4	.85	.213	< .005	84	70
16-20	1100	1000	5.5	--	--	< .01	1.0	.97	.094	< .005	97	94
20-22	1015	0915	15	--	--	.03	.93	.76	.114	< .005	93	110
22-23	0950	1650	16	--	--	.03	1.4	.89	.115	< .005	97	120
23-24	1750	0850	16	--	--	.01	1.3	.99	.123	< .005	98	110
24-24	0945	1445	16	--	--	.05	.96	1.1	.142	< .005	89	94
24-27	1545	0845	16	--	--	.02	.93	.84	.010	< .005	96	110
27-27	1000	2100	2.4	--	--	< .01	1.2	.96	.060	< .005	100	130
27-29	2200	0900	70	173	25	< .01	1.2	.89	.044	< .005	78	71

IRONDEQUOIT CREEK MAIN STEM

0423205010 IRONDEQUOIT CREEK AT BLOSSOM ROAD, ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987--continued

DATE	TIME	ENDING TIME	TUR-BID-ITY (NTU)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L)	RESIDUE VOLA-TILE, SUS-PENDED (MG/L)	NITRO-GEN,AM-MONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SULFATE DIS-SOLVED (MG/L AS SO ₄)
APR 29-												
MAY 01	0945	0845	46	78	11	< 0.01	1.6	1.1	0.081	< 0.005	79	67
01-04	0950	0850	15	--	--	< .01	1.1	.88	.100	< .005	95	110
04-06	0950	0850	13	--	--	< .01	.80	1.1	.122	< .005	95	130
06-08	0920	0820	4.5	--	--	< .01	.91	.10	.085	< .005	100	130
11...	0915	--	9.5	--	--	.06	.81	1.2	.145	< .005	93	130
13-14	0930	2230	12	--	--	< .01	1.2	1.1	.095	< .005	100	160
14-15	2330	0830	45	163	25	< .01	1.6	1.1	.125	< .005	90	130
15-19	0915	0815	32	--	--	.05	1.4	1.2	.060	.010	97	150
19-22	0920	0820	20	--	--	.15	1.3	1.5	.100	.010	110	160
22-22	0920	1620	15	--	--	.32	1.0	1.2	.110	.015	130	180
22-26	1720	0820	75	200	23	.46	1.4	1.0	.270	.015	93	130
26-29	0930	0830	19	--	--	.05	.42	1.1	.190	.013	100	170
MAY 29-												
JUN 01	0940	0840	15	--	--	.07	.67	1.1	.185	.014	110	180
01-02	0920	0020	20	--	--	.04	.60	1.3	.095	.015	110	200
02-03	0120	0820	22	--	--	.02	1.2	1.1	.275	.010	110	160
03-05	0915	0815	24	--	--	.03	1.2	1.2	.195	.010	110	170
05-07	0910	0010	35	--	--	.03	1.0	1.1	.310	.015	120	180
07-09	0110	0810	18	--	--	.03	1.4	1.2	.305	.015	91	150
09-12	0905	0805	24	--	--	.02	1.1	1.1	.320	.015	97	160
12-12	0955	2055	50	100	14	.02	1.1	1.1	.325	.015	94	--
12-15	2155	0655	60	190	24	.01	1.5	1.1	.430	.015	87	150
15-17	0730	0930	22	--	--	.02	1.3	.89	.230	.010	100	170
17-19	0940	0840	19	--	--	.01	1.0	.99	.430	.015	120	190
19-22	0930	0830	16	--	--	.03	.80	.95	.390	.010	76	200
22-26	1015	0915	45	202	32	.03	1.7	.89	.275	.020	86	150
26-29	1000	0900	40	120	19	.04	1.2	1.0	.325	.015	95	160
29-29	0945	2045	26	--	--	.03	1.0	.95	.085	.020	97	170
JUN 29-												
JUL 02	2145	0845	31	--	--	.04	1.0	.91	.100	.015	95	160
02-06	0940	0840	33	75	11	.03	1.0	.89	.100	.020	92	180
06-06	0930	1630	20	--	--	.02	.88	.88	.120	.025	92	180
06-07	1730	2230	200	172	20	.03	.61	.61	.455	.025	65	90
07-08	2330	0830	170	465	46	.02	.67	.67	.235	.025	69	100
08-10	0955	0855	110	299	30	.04	2.3	.86	.415	.025	76	110
10-13	0930	0830	9.0	--	--	< .01	1.0	.83	.340	.025	91	150
13-13	0920	1820	34	--	--	.09	1.0	.94	.300	.025	94	170
13-14	1920	1020	40	--	--	.05	1.0	.94	.155	.025	97	160
14-15	1120	0820	65	--	--	.04	1.4	.74	.360	.020	71	120
15-17	0930	0830	32	--	--	.04	1.0	.84	.150	.025	90	150
17-20	0930	0230	18	--	--	< .01	.90	.77	.070	.015	100	160
20-20	0330	0830	30	--	--	< .01	1.2	.73	.090	.010	99	160
20-23	0930	0830	31	--	--	< .01	.87	.72	.100	.020	85	170
23-27	1000	0900	15	--	--	.02	1.1	.64	.030	.015	110	170
27-29	0940	0840	15	--	--	.02	.81	.58	.110	.010	100	480
29-30	1005	0505	5.4	--	--	.02	1.1	.52	.115	.015	100	130
30-31	0605	0905	8.2	--	--	< .01	1.1	.76	.175	.010	110	150

IRONDEQUOIT CREEK MAIN STEM

0423205010 IRONDEQUOIT CREEK AT BLOSSOM ROAD, ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987--continued

DATE	TIME	ENDING TIME	TUR- BID- ITY (NTU)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN,AM- DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
JUL 31-												
AUG 02	0935	1735	12	--	--	--	0.93	0.70	0.040	0.015	92	160
02-03	1835	0835	42	91	14	--	1.2	.71	.060	.010	75	130
03-04	1000	2100	7.4	--	--	--	.90	.77	.175	.025	83	160
04-07	2200	0900	27	--	--	--	1.2	.76	.085	.020	91	150
07-09	1005	1200	26	--	--	--	1.7	.73	.145	.020	98	170
09-10	1300	0900	140	155	60	--	4.0	.55	.505	.020	55	94
10-12	0915	0930	34	110	18	--	.98	.71	.220	.030	83	120
12-14	0920	0820	23	--	--	--	1.0	.68	.095	.015	100	150
14-17	0950	0850	5.2	--	--	--	1.0	.66	.090	< .005	120	180
17-19	1120	0920	--	--	--	--	.95	.65	.070	.015	100	190
19-19	0955	1855	11	--	--	--	.71	.66	.065	.020	100	190
19-21	1955	0855	34	123	21	--	1.1	.74	.240	.020	82	150
21-24	1010	0910	21	--	--	0.04	.73	.63	.090	.015	110	180
24-26	1010	0910	13	--	--	< .01	.67	.63	.090	.015	110	190
26-27	0945	0245	16	--	--	--	.41	.67	.080	.010	110	200
27-28	0345	0845	27	--	--	--	.70	.76	.130	.010	100	180
28-28	0950	2050	23	--	--	--	.76	.84	.170	.020	100	180
28-31	2150	0850	29	--	--	--	.81	.82	.140	.020	97	160
AUG 31-												
SEP 02	0955	0855	17	--	--	--	.79	.80	.130	.015	120	170
02-04	1000	0900	17	--	--	--	.79	.75	.190	.015	100	170
04-08	0925	0825	14	--	--	.01	.74	.74	.100	.010	92	190
08-11	1005	0905	25	--	--	.01	.99	.70	.100	.020	99	180
11-12	0935	1235	27	--	--	< .01	.72	.70	.105	.020	100	190
12-15	1335	0835	33	--	--	< .01	.97	.73	.145	.020	96	170
17-18	0320	0820	38	133	20	.01	1.3	.90	.280	.020	84	150
18-19	0950	2050	150	315	47	< .01	1.7	.70	.465	.030	63	110
19-21	2150	0850	30	108	17	.01	.78	.71	.255	.025	82	130
21-22	0950	1250	80	223	25	.10	1.1	.76	.355	.030	78	120
22-25	1350	0850	40	86	15	< .01	1.1	.84	.190	.025	96	160
25-28	0940	0840	31	49	7	.01	1.0	.80	.070	.020	92	160
28-29	0945	1645	41	90	17	.03	1.1	.98	.155	.021	89	160
29-30	1745	2045	120	369	41	.02	1.5	.71	.105	.024	70	130
SEP 30-												
OCT 02	2145	0845	110	356	41	< .01	1.7	.50	.120	.025	67	100

IRONDEQUOIT CREEK MAIN STEM

0423205010 IRONDEQUOIT CREEK AT BLOSSOM ROAD, ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	TIME	ENDING TIME	TUR-BID-ITY (NTU)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L)	RESIDUE VOLA-TILE, SUS-PENDED (MG/L)	NITRO-GEN,AM-MONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SULFATE DIS-SOLVED (MG/L AS SO ₄)
OCT												
02-05	0945	0845	40	137	22	0.05	1.3	0.73	0.280	0.025	91	130
05-09	1020	0920	26	--	--	.02	.75	.77	.130	.024	97	160
09-11	0945	0045	16	--	--	< .01	.61	.80	.190	.020	99	170
11-13	0145	0845	29	--	--	.02	.73	.73	.120	.020	87	140
13-16	0950	0850	9.6	--	--	.08	.87	.81	.110	.017	100	180
16-19	0930	0830	15	--	--	.02	.83	.74	.085	.015	100	180
19-21	0940	1640	12	--	--	.03	.97	.73	.095	.012	100	170
21-23	1740	0840	12	--	--	.03	1.0	.76	.115	.008	95	170
23-26	0950	0850	6.2	--	--	.03	.74	.69	.150	.009	96	180
26-30	1035	0835	3.6	--	--	.05	.45	.70	.055	.010	100	210
OCT 30-												
NOV 02	0930	0830	2.2	--	--	.05	.47	.33	.050	< .002	110	190
02-06	1000	0900	1.9	--	--	< .01	.57	.31	.050	.003	110	200
06-08	1010	2110	4.1	--	--	.01	.67	.38	.065	< .002	110	190
08-09	2210	0910	9.2	--	--	.02	.80	.41	.085	.004	100	180
09-13	0945	0845	3.0	--	--	.01	.48	.48	.080	< .002	100	190
13-16	0945	0845	3.1	--	--	< .01	.69	.52	.100	.002	110	190
16-18	0945	2105	1.4	--	--	.03	.53	.53	.045	.003	100	180
17...	1044	--	--	--	--	.08	--	--	.050	.020	--	--
17...	1045	--	--	--	--	.08	--	--	.080	.010	--	--
17...	1046	--	--	--	--	.07	--	--	.010	.010	--	--
17...	1047	--	--	--	--	.08	--	--	< .010	.010	--	--
17...	1048	--	--	--	--	.07	--	--	< .010	< .010	--	--
17...	1049	--	--	--	--	.08	--	--	< .010	.010	--	--
17...	1050	--	--	--	--	.07	--	--	< .010	< .010	--	--
17...	1051	--	--	--	--	.07	--	--	< .010	< .010	--	--
17...	1144	--	--	--	--	< .01	--	--	--	.007	--	--
17...	1145	--	--	--	--	< .01	--	--	--	.006	--	--
17...	1146	--	--	--	--	< .01	--	--	--	.006	--	--
17...	1147	--	--	--	--	< .01	--	--	--	.009	--	--
17...	1148	--	--	--	--	< .01	--	--	--	.005	--	--
17...	1149	--	--	--	--	< .01	--	--	--	.005	--	--
17...	1150	--	--	--	--	< .01	--	--	--	.005	--	--
17...	1151	--	--	--	--	< .01	--	--	--	.005	--	--
18-20	2205	0845	2.4	--	--	.02	.50	.50	.050	.002	100	190
20-23	0940	0840	3.7	--	--	.02	.60	.60	.045	< .002	120	210
23-25	0915	0815	2.9	--	--	--	.51	.51	.060	.003	140	210
25-25	0915	2015	3.1	--	--	--	.58	.58	.060	.003	150	180
25-27	2115	0815	5.4	--	--	--	.68	.68	.080	.003	140	170
27-29	0920	0220	2.7	--	--	--	.55	.55	.050	< .002	110	190
29-29	0320	1120	4.3	--	--	--	.73	.73	.070	< .002	110	180
29-30	1220	0820	270	554	84	--	4.7	4.7	1.08	.007	68	80
NOV 30-												
DEC 03	0910	0810	65	129	5	.03	1.5	.91	.295	.009	91	120
03-04	0910	0810	24	--	--	< .01	.90	.77	.935	.004	110	150
04-07	1005	0905	17	--	--	.02	.92	.86	.145	.005	190	150
07-08	0930	1630	16	--	--	.03	.88	.89	.065	.006	120	170
08-11	1730	0830	20	--	--	.02	.84	.93	.080	.003	120	180

IRONDEQUOIT CREEK MAIN STEM

0423205010 IRONDEQUOIT CREEK AT BLOSSOM ROAD, ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988--continued

DATE	TIME	ENDING TIME	TUR-BID-ITY (NTU)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L)	RESIDUE VOLA-TILE, SUS-PENDED (MG/L)	NITRO-GEN,AM-MONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SULFATE DIS-SOLVED (MG/L AS SO ₄)
DEC--continued												
11-14	0920	0820	6.3	--	--	0.02	0.82	0.98	0.085	0.003	120	180
14-15	0910	0410	5.0	--	--	.02	.67	1.0	.075	.005	120	180
15-18	0510	0810	31	55	11	.01	.96	.98	.120	.006	250	140
18-19	0925	2325	19	--	--	.02	.88	1.1	.120	.005	230	150
20-21	0025	0825	60	184	29	.01	1.7	1.1	.335	.009	200	110
21-24	0910	0810	33	81	16	.03	1.2	1.2	.190	.005	120	130
24-28	0900	0800	16	--	--	< .01	.83	1.2	.105	.006	120	170
28-31	0940	0840	12	--	--	< .01	1.5	1.2	.080	.004	130	170
DEC 31												
JAN 04	1025	0925	14	--	--	.02	.99	1.2	.065	.003	210	170
04-06	2150	1250	34	--	--	.09	1.6	1.3	.180	.002	160	230
08-11	0930	0830	40	--	--	.03	.99	1.3	.070	.002	150	170
11-13	0905	1205	4.1	--	--	.02	.63	1.3	.065	.002	140	190
16-17	1045	1245	4.9	--	--	< .01	2.1	1.0	.130	.004	150	200
17-19	1345	0945	27	--	--	.05	1.2	1.0	.160	.003	210	170
19...	0945	--	.2	--	--	.04	.41	.38	.055	.003	53	47
19-19	0945	1745	38	--	--	.03	1.1	.95	.170	.004	190	140
19-22	1845	0245	110	230	39	.02	2.0	.92	.445	.005	150	120
22-25	0905	0805	18	--	--	.03	.78	1.3	.115	.008	140	180
25-29	0925	0825	4.4	--	--	.04	.78	1.0	.065	.002	150	180
JAN 29-												
FEB 01	0910	0810	8.0	--	--	.01	.62	1.0	.095	.003	140	170
01-05	0925	0825	32	--	--	.03	.78	.98	.115	.003	180	140
05-08	0945	0845	6.9	--	--	< .01	.74	1.1	.050	.004	180	170
08-11	0910	0810	5.1	--	--	.01	.58	1.0	.050	.002	150	170
11-15	0930	0230	4.4	--	--	.01	.69	1.1	.055	< .002	130	160
15-16	0330	0830	6.5	--	--	.01	1.7	1.1	.060	.002	340	120
16-16	0930	1430	15	--	--	.01	.40	.46	.055	.003	79	44
16-18	1530	0830	50	137	2	.01	1.3	1.2	.305	.003	210	100
18-19	0930	0830	36	10	< 5	< .01	.93	1.2	.045	.003	190	110
19-21	0935	0635	43	108	18	< .01	1.1	1.3	.200	.004	240	92
21-22	1835	0835	32	--	--	.02	1.3	1.2	.210	.004	160	92
22-26	1140	1040	3.3	--	--	< .01	.84	1.2	.025	.004	160	110
26-29	0945	0845	15	--	--	.01	.85	1.2	.140	.003	190	130
FEB 29-												
MAR 03	1105	0905	5.1	--	--	< .01	.79	1.1	.085	.003	160	130
03-06	1020	0920	9.0	--	--	< .01	.74	1.0	.065	.002	140	140
06-07	1020	0920	7.1	--	--	< .01	.74	.93	.110	< .002	130	140
07-11	1020	0920	6.6	--	--	< .01	.78	.82	.075	< .002	130	140
11-14	1020	0920	11	--	--	.04	.85	.77	.011	.003	120	130
14-17	1045	0945	7.0	--	--	< .01	.80	.83	.125	.003	120	160
17-21	1015	0915	12	--	--	< .01	.62	.86	.070	.003	120	170
21-24	2205	0935	80	--	--	.02	.74	.86	.080	.003	130	170
24-25	1020	1720	16	--	--	.01	.88	.80	.095	.003	150	150
25-26	1820	1320	330	962	115	.01	3.4	.83	1.08	.006	130	90
26-28	1420	0920	180	434	62	< .01	2.2	.88	.670	.007	110	78
28-31	1030	0930	24	--	--	< .01	1.1	.81	.160	.003	120	110

IRONDEQUOIT CREEK MAIN STEM

0423205010 IRONDEQUOIT CREEK AT BLOSSOM ROAD, ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988--continued

DATE	TIME	ENDING TIME	TUR-BID-ITY (NTU)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L)	RESIDUE VOLA-TILE, SUS-PENDED (MG/L)	NITRO-GEN,AM-MONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS-PHORUS TOTAL (MG/L AS P)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SULFATE DIS-SOLVED (MG/L AS SO ₄)
MAR 31-												
APR 03	1020	1320	23	--	--	0.03	1.1	0.63	0.080	0.005	100	140
03-04	1420	0520	240	764	92	.02	3.4	.69	1.25	.011	95	98
04-07	1015	0915	200	434	56	.01	2.3	.87	.840	.006	75	80
07-11	1015	0915	40	79	14	< .01	1.2	.90	.025	.006	110	120
11-14	1015	0915	28	--	--	.02	.92	.74	.160	.005	110	130
14-18	1010	0910	18	--	--	< .01	.75	.88	.010	.005	120	150
18-21	1010	0910	17	--	--	.01	.83	.86	.410	.006	110	150
21-25	1010	0910	21	--	--	< .01	.87	.83	.120	.004	110	150
25-28	1010	0910	14	--	--	--	1.1	.72	.115	.003	110	150
28-29	1005	0505	15	--	--	< .01	1.0	.78	.100	.006	100	150
APR 29-												
MAY 02	0605	0905	32	73	13	< .01	1.5	.68	.120	.005	110	120
02-05	1000	0900	16	--	--	< .01	1.4	.53	.115	.006	110	140
05-09	1010	0910	17	--	--	< .01	1.3	.52	.095	.005	94	140
09-12	1000	0900	18	--	--	.02	1.4	.57	.120	.002	100	150
12-16	1000	0900	16	--	--	.01	1.2	.56	.215	.007	110	160
16-16	1010	1510	18	--	--	.01	1.3	.56	.110	.006	100	160
16-17	1610	0310	50	182	36	.01	2.0	.64	.255	.012	100	150
17-19	0410	0910	110	274	51	< .01	2.3	.61	.375	.006	74	110
19-20	1015	1715	60	200	23	.02	1.9	.65	.180	.014	90	110
20-21	1815	1315	240	488	80	.01	3.0	.73	.335	.013	82	86
21-23	1415	0915	140	371	61	< .01	3.0	.62	.430	.009	66	75
23-27	1005	1025	46	143	29	< .01	1.8	.62	.320	.010	96	120
27-31	1040	0940	31	94	15	< .01	1.4	.63	.275	.010	100	130
JUN												
01	1005	1505	33	--	--	.01	.80	.61	.175	.011	100	170
01-03	1605	0905	38	122	25	< .01	1.3	.68	.175	.010	98	160
03-06	1010	0910	18	--	--	.04	1.0	.94	.105	.014	100	120
06-09	1000	0900	14	60	15	.03	--	.97	.270	.011	110	170
09-13	0955	0855	17	--	--	.02	1.2	1.4	.180	.013	110	190
13-16	1005	0905	7.8	--	--	.01	1.0	.92	.125	.014	110	180
16-20	1000	0900	19	--	--	< .01	.21	.96	.105	.017	120	< 10
20-22	1000	2100	35	--	--	.02	1.1	.34	.110	.018	120	210
22-23	2200	0600	210	606	100	.03	5.3	1.2	.195	.022	64	100
23-25	1005	1305	32	114	17	< .01	1.9	.14	.170	.020	96	170
25-27	1405	0905	28	--	--	.01	1.4	.97	.170	.020	110	180
27-30	1005	0905	6.6	--	--	.032	.82	.98	.095	.020	120	210
JUL												
01-01	1730	1730	3.9	--	--	--	.52	.84	.130	.021	110	210
05-05	1010	1010	5.4	--	--	< .01	.52	.83	.090	.028	110	220
05-08	1145	0945	8.0	--	--	--	1.1	.72	.215	.010	110	240
08-11	1040	0940	5.0	--	--	.05	.76	.61	.085	.015	120	220
11-14	1000	0900	11	--	--	.01	.65	.34	.090	.016	110	210
14...	1000	--	9.0	--	--	.01	.69	.74	.100	.020	120	220
14-17	1010	0110	37	150	23	.025	1.1	.82	.195	.017	91	180
17-18	0210	0910	240	310	41	.02	2.2	.72	.615	.019	64	110
18-20	1020	2120	38	131	23	.07	1.0	.68	.195	.020	79	140
20-21	2220	0920	70	223	31	.08	1.4	.77	.345	.020	95	160

IRONDEQUOIT CREEK MAIN STEM

0423205010 IRONDEQUOIT CREEK AT BLOSSOM ROAD, ROCHESTER, NY--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988--continued

DATE	TIME	ENDING TIME	TUR- BID- ITY (NTU)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN,AM- DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)
JUL--continued												
21-24	1020	0520	60	156	28	0.06	1.2	0.72	0.215	0.023	77	130
24-24	0620	1720	600	1070	146	.05	3.8	.84	1.00	.017	41	94
24-24	0945	0945	67	151	26	.08	1.4	1.1	.225	.027	62	27
26-28	0955	0855	65	240	22	.01	1.4	.91	.355	.022	86	150
JUL 28-												
AUG 01	1010	0910	22	--	--	.03	.57	.76	.110	.022	100	190
01-04	0935	0835	4.8	--	--	.03	1.1	.74	.130	.023	110	200
04-05	1005	0505	2.4	--	--	.03	.68	.55	.070	.018	100	180
05-08	0605	0905	3.3	--	--	.02	.88	.58	.190	.018	97	190
08...	1000	--	6.5	--	--	.02	.71	.70	.150	.020	98	210
08...	1010	--	5.2	--	--	< .01	1.1	.66	.180	.014	98	200
08-11	1025	0925	5.1	--	--	< .01	1.0	.55	.070	.010	97	200
11-14	1005	2105	4.0	--	--	< .01	.63	.48	.075	.012	88	220
14-15	2205	0905	9.8	--	--	< .01	.86	.48	.070	.010	96	220
15-17	0955	1755	7.5	--	--	.02	.84	.61	.165	.010	100	220
17-18	1855	0855	13	--	--	.02	.89	.67	.205	.013	91	190
18-22	1000	0900	9.0	--	--	.02	.73	.65	.090	.015	93	190
22-23	1010	1210	11	--	--	.02	.50	.74	.070	.011	110	240
23-25	1310	0910	7.2	--	--	.02	1.5	.73	.400	.016	78	170
25-27	1000	2100	40	100	13	.04	.80	.76	.265	.012	77	170
27-28	2200	2100	30	--	--	.03	.82	.59	.175	.014	88	180
28-29	2200	0900	90	238	30	.04	1.2	.70	.365	0.011	58	98
AUG 29-												
SEP 02	1005	0905	34	93	13	.05	1.1	.73	.160	.023	90	140
02-04	1005	0505	23	--	--	.03	.89	.82	.120	.023	120	200
04-06	0605	0905	35	110	17	.02	.85	.75	.135	.021	99	160
06-06	0955	0955	16	--	--	.02	1.0	.82	.070	.020	97	180
06...	1000	-- \	7.5	--	--	.02	.98	.86	.085	.023	100	190
06-07	1010	1110	7.3	--	--	.02	1.1	.79	.080	.021	84	180
07-08	1210	0910	14	--	--	.02	.98	.78	.085	.018	100	170
08-12	1005	0905	6.3	--	--	.01	.68	.77	.070	.016	110	200
12-13	1000	1800	4.7	--	--	.03	.95	.64	.075	.013	110	210
13-15	1900	0900	4.8	--	--	.01	.67	.69	.070	.012	96	200
19...	1005	--	3.2	8	< 5	< .01	.68	.77	.045	.016	100	190
19...	1010	--	6.0	20	< 5	< .01	.66	.77	.095	.013	97	180
19-22	1015	0915	7.8	--	--	.02	.69	.70	.055	.013	110	180
22-23	0955	.0455	3.5	--	--	< .01	.63	.72	.080	.012	110	200
23-26	0555	0855	7.4	--	--	< .01	.79	.66	.060	.015	91	170
26-29	1000	0900	8.3	--	--	< .01	.65	.69	.090	.013	110	180
SEP 29-												
OCT 02	1005	1305	--	--	--	.02	.51	.64	.050	.012	110	200

QUALITY OF GROUND WATER
POWDER MILL PARK (SPRINGS)

430249077283401. Local number MO 660 (PMS 1)

LOCATION.--Lat. 43°02'49", long 77°28'34", Monroe County, Hydrologic unit 04140101, spring is sand boil at east end of pond, which is east of fish hatchery ponds at Powder Mill Park near Bushnell Basin.

AQUIFER.--Confined aquifer in sand of Pleistocene age.

PERIOD OF RECORD.-- November 1983 to current year.

CHEMICAL DATA: 1984-88(d).

NUTRIENT DATA: 1984-88(d).

COOPERATION.-- Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, NY.

WATER QUALITY DATA, PERIOD NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TEMPER- ATURE WATER (DEG C)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CaCO ₃	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)
NOV									
28...	11.0	826	7.2	268	< 0.01	0.40	3.2	< 0.010	< 0.005
DEC									
09...	8.0	858	7.3	266	.02	.20	3.4	.010	< .005
15...	8.0	898	7.2	266	.01	.30	3.3	.010	< .005
21...	8.0	905	7.3	264	< .01	.30	3.4	< .010	< .005
JAN									
10...	8.0	900	7.2	271	.03	.40	3.3	< .010	< .005
18...	--	879	7.8	264	.03	.50	3.3	< .010	< .005
25...	--	855	7.1	268	.03	.30	3.3	< .010	< .005
FEB									
01...	--	861	7.3	268	.02	.50	3.4	< .010	< .005
08...	--	870	7.3	262	< .01	.50	3.4	< .010	< .005
16...	--	856	7.2	258	< .01	.40	4.0	< .010	< .005
22...	--	859	7.2	259	< .01	.50	2.9	< .010	.006
MAR									
07...	--	839	7.5	268	< .01	.20	3.2	< .010	< .005
21...	--	869	7.5	259	.02	.60	3.2	< .010	< .005
28...	--	856	7.3	261	.02	.60	3.2	< .010	< .005
APR									
04...	--	858	7.4	260	.04	.50	3.5	< .010	< .005
11...	8.5	849	--	--	.02	.70	3.4	< .010	< .005
MAY									
16...	8.5	918	7.6	270	.03	.40	3.1	.050	.008
23...	9.0	844	8.1	269	.01	.50	3.7	< .010	.007
JUN									
06...	12.0	861	7.7	264	.02	.20	3.2	< .010	< .005
27...	8.0	1240	7.5	262	.02	.70	3.3	.030	.007
JUL									
11...	8.5	894	7.6	261	.02	1.3	3.2	.120	< .005
17...	8.5	879	--	--	.02	.70	3.4	.020	.013

QUALITY OF GROUND WATER
POWDER MILL PARK (SPRINGS)

430249077283401. Local number Mo 660 (PMS 1)--continued

WATER QUALITY DATA, PERIOD NOVEMBER 1983 TO SEPTEMBER 1984--continued

	TEMPER- ATURE WATER (DEG C)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CACO ₃	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)
AUG									
01...	13.0	885	7.5	264	< 0.01	0.50	4.8	< 0.010	< 0.005
08...	9.0	--	7.5	259	.02	.40	2.8	< .010	.006
15...	8.5	882	7.4	260	.01	.30	3.5	.040	< .005
22...	12.0	881	7.5	268	.02	.50	3.0	< .010	.007
29...	12.0	864	7.5	265	.03	< .10	3.8	.020	--
SEP									
05...	12.0	889	7.5	262	.02	< .10	3.4	.010	.008
12...	9.0	861	7.5	267	.02	< .10	3.2	< .010	< .005
19...	9.0	897	7.4	266	.02	.20	3.1	< .010	< .005
26...	8.5	878	7.7	266	.02	.30	3.3	< .010	< .005
	HARD- NESS TOTAL (MG/L AS CACO ₃)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	
NOV									
28...	380	89	39	45	1.8	90	46	--	
DEC									
09...	380	89	39	46	1.9	100	40	--	
15...	370	87	38	47	2.0	100	47	--	
21...	380	87	39	48	1.9	99	41	557	
JAN									
10...	380	86	39	48	1.9	100	47	490	
18...	360	82	38	46	1.8	100	53	432	
25...	360	80	39	47	1.8	100	42	535	
FEB									
01...	390	92	39	46	2.2	100	50	531	
08...	390	90	39	45	2.2	100	42	508	
16...	380	86	39	46	2.2	100	46	514	
22...	380	86	39	46	2.2	100	41	518	
MAR									
07...	370	84	39	45	2.1	100	38	517	
21...	350	79	38	46	2.5	99	43	533	
28...	330	69	39	48	2.8	100	42	518	
APR									
04...	350	75	40	45	2.3	99	50	566	
11...	380	88	39	43	2.7	100	41	518	
MAY									
16...	--	--	--	43	2.2	98	--	--	
23...	380	86	40	46	2.6	100	56	510	

QUALITY OF GROUND WATER
POWDER MILL PARK (SPRINGS)

430249077283401. Local number Mo 660 (PMS 1)--continued

WATER QUALITY DATA, PERIOD NOVEMBER 1983 TO SEPTEMBER 1984--continued

DATE	HARD- NESS TOTAL (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
JUN								
06...	390	92	38	46	1.6	100	51	517
27...	390	90	40	49	1.6	80	50	518
JUL								
11...	400	91	41	49	1.7	98	54	534
17...	390	89	40	46	1.7	97	63	517
AUG								
01...	360	78	39	44	1.7	93	61	--
08...	390	90	39	49	2.3	94	--	503
15...	380	89	38	46	1.9	97	44	504
22...	370	86	38	49	2.0	97	48	519
29...	370	86	38	49	2.0	96	41	--
SEP								
05...	370	85	39	49	1.9	98	45	507
12...	380	88	38	44	1.6	93	53	540
19...	380	89	38	45	1.7	97	50	513
26...	370	88	37	47	1.7	--	50	472

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TEMPER- ATURE WATER (DEG C)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CaCO ₃	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)
NOV									
07...	8.0	884	7.5	263	0.04	0.70	3.1	0.020	0.018
14...	8.0	890	7.7	263	.02	--	2.9	< .010	.008
28...	9.0	894	7.6	264	.01	.40	3.1	.020	< .005
DEC									
12...	8.0	870	7.6	259	.02	--	3.4	.020	< .005
26...	7.0	902	7.6	271	.10	.20	2.8	.020	.020
JAN									
09...	6.5	913	7.6	261	.05	.50	3.3	.020	.014
23...	7.0	920	7.5	261	.02	.10	2.6	.020	< .005
FEB									
06...	5.5	997	7.6	261	.16	.60	2.0	.050	.020
20...	7.0	930	7.5	259	.03	1.3	3.0	.020	.005
MAR									
06...	7.0	920	7.6	257	.08	.30	3.6	.020	.007
20...	8.5	940	7.5	256	.02	< .10	2.6	.010	.011

QUALITY OF GROUND WATER
POWDER MILL PARK (SPRINGS)

430249077283401. Local number Mo 660 (PMS 1)--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985--continued

DATE	TEMPER- ATURE WATER (DEG C)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CA CO ₃	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)
APR									
03...	8.0	922	7.6	257	0.06	0.50	2.6	< 0.010	0.008
17...	8.5	894	7.6	254	.05	.30	2.9	.010	< .005
MAY									
01...	--	858	7.4	270	.01	.30	2.8	< .010	< .005
29...	8.0	870	7.6	273	.03	.20	3.4	.020	< .005
JUN									
12...	8.5	860	7.6	271	.02	.20	3.5	.020	< .005
26...	10.0	960	7.6	270	.09	.50	2.1	--	.005
JUL									
10...	10.0	960	7.6	265	.05	.40	2.3	.020	< .005
24...	14.5	940	7.6	269	.07	.50	2.5	.020	< .005
AUG									
07...	--	950	7.6	269	.08	.40	2.1	< .010	< .005
21...	9.0	870	7.6	269	.03	.50	3.0	< .010	< .005
SEP									
04...	9.5	960	7.5	272	.04	.50	2.3	.040	< .005
18...	9.5	890	7.4	267	.03	.40	3.6	.010	< .005
DATE	HARD- NESS TOTAL (MG/L AS CA CO ₃)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	
NOV									
07...	400	94	40	42	1.9	100	54	557	
14...	400	94	40	44	2.1	99	43	500	
28...	410	93	42	49	1.9	100	60	493	
DEC									
12...	390	92	38	43	1.5	96	70	475	
26...	390	89	41	43	1.7	100	80	534	
JAN									
09...	390	90	40	43	1.6	110	60	--	
23...	400	92	41	44	1.6	110	70	554	
FEB									
06...	420	94	44	40	2.1	120	73	569	
20...	390	90	40	42	1.9	100	63	552	
MAR									
06...	390	91	40	42	1.6	110	50	504	
20...	390	85	42	44	1.7	110	63	534	
APR									
03...	390	90	39	39	1.5	100	67	543	
17...	380	89	38	42	1.6	98	61	513	

QUALITY OF GROUND WATER
POWDER MILL PARK (SPRINGS)

430249077283401. Local number Mo 660 (PMS 1)--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985--continued

DATE	HARD- NESS TOTAL (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
MAY								
01...	360	82	37	45	1.8	93	39	477
29...	390	89	41	41	1.8	97	50	542
JUN								
12...	360	86	36	42	1.7	93	44	497
26...	410	97	41	45	1.9	110	61	613
JUL								
10...	440	110	41	40	1.8	96	110	605
24...	440	110	43	42	1.9	110	69	545
AUG								
07...	410	94	43	44	2.2	120	76	560
21...	370	--	--	41	2.0	100	40	492
SEP								
04...	430	100	43	42	2.0	110	61	603
18...	370	85	38	42	1.8	93	57	521

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TEMPER- ATURE WATER (DEG C)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CaCO ₃	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)
OCT									
02...	--	882	7.5	267	0.01	0.50	2.4	< 0.010	< 0.005
16...	--	916	7.5	282	.06	.60	2.9	.010	< .005
30...	--	934	7.4	259	.06	.50	2.6	.020	.008
NOV									
13...	--	863	7.2	266	.02	.80	3.3	.020	< .005
27...	--	--	7.3	261	.03	.50	3.0	.030	.006
DEC									
17...	--	936	7.5	265	.05	.50	2.7	.010	.007
JAN									
08...	--	934	7.6	263	.06	.30	2.5	.020	.009
22...	8.5	930	7.5	268	.08	.40	2.8	.030	.021
FEB									
05...	--	925	7.5	262	.07	.60	2.7	.020	.016
19...	8.0	961	7.5	262	.10	.40	2.6	.040	.018
MAR									
05...	7.0	944	7.4	263	.10	.50	2.5	.020	.014
APR									
02...	--	943	7.5	263	< .01	.70	2.6	.020	< .005
16...	--	919	7.4	285	.04	.40	2.7	.010	.005
30...	--	--	7.4	283	< .010	.80	3.0	< .010	< .005

**QUALITY OF GROUND WATER
POWDER MILL PARK (SPRINGS)**

430249077283401. Local number Mo 660 (PMS 1)--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986--continued

	TEMPER- ATURE WATER (DEG C)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CaCO ₃	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)
MAY									
14...	--	878	7.7	282	< 0.01	0.87	3.0	0.020	< 0.005
27...	--	898	7.5	283	.07	.61	3.3	.020	.005
JUN									
11...	--	1090	7.5	285	.17	1.3	2.1	.040	.013
26...	--	930	7.6	283	.26	.92	2.8	.020	< .005
JUL									
09...	11.5	985	7.5	279	.03	.94	2.7	.020	.005
23...	9.0	955	7.6	283	.12	.88	1.8	.040	.010
AUG									
06...	9.5	913	--	--	.30	.55	--	< .010	< .005
20...	9.0	842	7.4	284	.07	--	3.3	.020	.006
SEP									
10...	8.5	--	7.4	281	.01	.36	3.1	.010	< .005
18...	8.5	912	7.4	280	.09	.40	3.0	.600	< .005
	HARD- NESS TOTAL (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	
OCT									
02...	370	87	38	41	1.7	91	61	524	
16...	380	86	40	43	1.9	100	60	558	
30...	410	93	42	43	2.1	110	70	563	
NOV									
13...	390	89	41	42	1.9	98	51	--	
27...	390	87	42	42	2.0	100	76	549	
DEC									
17...	400	90	43	42	2.0	110	79	597	
JAN									
08...	420	88	49	45	1.9	110	80	523	
22...	390	86	42	44	2.0	110	78	539	
FEB									
05...	410	93	42	43	2.1	98	74	512	
19...	400	91	43	44	1.9	110	52	537	
MAR									
05...	390	89	41	44	1.8	110	84	548	
APR									
02...	400	91	42	41	2.0	100	71	554	
16...	400	94	39	42	2.1	110	60	538	
30...	380	87	40	42	1.6	96	58	567	

QUALITY OF GROUND WATER
POWDER MILL PARK (SPRINGS)

430249077283401. Local number Mo 660 (PMS 1)--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986--continued

DATE	HARD- NESS TOTAL (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
MAY								
14...	340	81	33	40	2.1	92	64	--
27...	370	88	37	43	2.0	100	60	534
JUN								
11...	400	94	40	47	2.1	120	61	658
26...	390	90	40	48	2.0	110	69	--
JUL								
09...	450	110	40	41	2.0	92	150	638
23...	410	97	41	48	2.7	120	74	568
AUG								
06...	390	91	39	47	2.1	100	62	536
20...	360	82	37	44	1.6	--	54	495
SEP								
10...	370	84	40	45	1.7	100	62	519
18...	380	--	--	46	1.7	100	52	516

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TEMPER- ATURE WATER (DEG C)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	ALKA- LINTY WAT WH TOT FET FIELD MG/L AS CaCO ₃	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)
OCT									
01...	8.5	844	7.4	271	0.05	0.61	3.3	0.030	< 0.005
14...	8.5	858	7.4	265	< .01	.55	2.2	.090	< .005
29...	8.5	918	7.4	265	.01	.54	2.5	.025	< .005
NOV									
13...	8.0	922	7.5	264	.03	.49	2.7	.008	< .005
26...	8.0	913	7.3	265	< .01	.83	2.7	.020	< .005
DEC									
10...	5.5	909	7.4	264	.02	1.5	2.9	.080	< .005
24...	8.0	923	7.4	265	.05	.28	2.7	.010	< .005
JAN									
07...	7.0	930	7.4	266	.03	.65	2.8	.025	.005
23...	6.0	916	7.3	264	< .01	.63	5.0	.010	< .005
FEB									
04...	6.5	938	7.2	270	.05	.82	2.8	.013	.006
17...	6.5	909	7.4	264	.03	.92	3.2	.010	.007
MAR									
04...	8.0	906	7.6	273	< .01	.66	1.8	.025	< .005
18...	8.0	893	7.4	265	.04	.47	3.2	.040	< .005

QUALITY OF GROUND WATER
POWDER MILL PARK (SPRINGS)

430249077283401. Local number Mo 660 (PMS 1)--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987--continued

DATE	TEMPER- ATURE WATER (DEG C)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CAO ₃	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)
APR									
01...	7.0	--	7.5	265	< 0.01	0.61	3.2	0.010	< 0.005
16...	--	856	7.6	264	< .01	.56	3.1	.070	< .005
29...	8.5	947	7.6	265	.02	.44	2.7	.010	< .005
MAY									
13...	8.0	900	7.6	264	.02	.83	3.2	.175	< .005
26...	8.5	899	7.5	276	.02	.58	3.1	.110	< .005
JUN									
09...	9.0	873	7.7	266	.01	.40	3.6	.085	.010
24...	10.0	981	7.6	266	.06	.91	2.1	.085	< .005
JUL									
08...	10.5	962	7.6	263	.03	.71	2.3	.125	.005
23...	10.5	990	7.6	263	< .01	.45	2.1	.035	.005
AUG									
19...	10.0	990	7.9	267	--	.44	2.2	.020	.005
SEP									
02...	8.5	867	7.6	267	--	.45	3.2	.020	< .005
15...	--	838	7.0	258	< .01	.53	3.2	.035	.005
DATE	HARD- NESS TOTAL (MG/L AS CAO ₃)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	
OCT									
01...	350	--	--	43	1.7	91	51	462	
14...	370	85	38	44	2.0	95	56	508	
29...	380	88	40	43	2.0	100	88	515	
NOV									
13...	390	90	41	46	2.0	100	64	483	
26...	400	95	39	46	2.0	100	52	515	
DEC									
10...	370	86	38	47	2.0	100	81	523	
24...	400	96	40	49	2.0	110	63	--	
JAN									
07...	390	92	40	47	2.1	110	70	514	
23...	380	88	39	48	2.0	100	60	--	
FEB									
04...	410	94	42	49	2.1	110	69	538	
17...	390	90	41	46	2.0	110	46	549	
MAR									
04...	400	96	39	42	1.8	110	63	521	
18...	400	96	39	46	1.8	99	55	514	

QUALITY OF GROUND WATER
POWDER MILL PARK (SPRINGS)

430249077283401. Local number Mo 660 (PMS 1)--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987--continued

DATE	HARD- NESS TOTAL (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
APR								
01...	370	83	40	43	2.0	100	54	483
16...	370	86	38	44	1.9	93	45	502
29...	390	90	41	47	1.8	100	91	651
MAY								
13...	340	83	33	46	2.1	95	55	508
26...	370	89	37	47	2.1	99	60	457
JUN								
09...	370	87	38	45	2.0	93	46	--
24...	380	--	--	49	2.4	120	76	569
JUL								
08...	360	85	36	49	2.2	110	69	549
23...	420	110	35	44	2.3	96	120	594
AUG								
19...	380	90	37	53	2.1	120	73	602
SEP								
02...	370	89	35	46	2.0	95	63	492
15...	360	86	35	44	2.0	94	40	468

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	TEMPER- ATURE WATER (DEG C)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CaCO ₃	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)
OCT									
13...	8.0	816	7.4	268	0.02	0.33	2.5	0.020	0.004
26...	8.0	854	7.5	266	.04	.57	2.9	.015	.006
NOV									
09...	8.5	886	7.3	265	.02	.72	2.8	.010	.004
23...	7.0	925	7.2	265	.02	.33	2.8	.015	.006
DEC									
07...	--	902	7.3	266	< .01	--	2.8	.015	.008
21...	6.5	911	7.4	267	.04	.30	2.7	.020	.011
JAN									
05...	6.0	916	7.4	265	.02	.20	2.9	.015	.006
19...	9.0	--	7.2	265	.05	.20	2.8	.030	.014
FEB									
01...	8.0	932	7.4	264	.01	.17	2.9	.025	.007
19...	7.0	937	7.2	266	.02	--	3.1	.030	.002
29...	8.0	895	7.4	268	< .01	< .10	3.0	.030	.005

QUALITY OF GROUND WATER
POWDER MILL PARK (SPRINGS)

430249077283401. Local number Mo 660 (PMS 1)--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988--continued

	TEMPER- ATURE WATER (DEG C)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	ALKA- LINTY WAT WH TOT FET FIELD MG/L AS CACO ₃	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)
DATE									
MAR									
14...	8.0	871	7.5	267	< 0.01	< 0.10	2.9	0.020	0.007
28...	8.5	896	7.7	270	< .01	.14	2.9	.045	.007
APR									
11...	8.5	954	7.6	282	< .01	.11	2.6	.040	.003
25...	8.0	876	7.6	268	< .01	.40	2.9	.010	.002
MAY									
09...	9.0	883	7.4	264	< .01	.45	3.1	.040	.003
23...	9.0	929	7.6	267	< .01	.45	3.3	.010	.003
JUN									
06...	9.0	904	7.6	267	.01	.74	3.0	.010	.003
20...	9.0	937	7.6	268	.04	.70	2.5	.025	.004
JUL									
05...	--	940	7.5	268	.02	.53	2.5	.030	.002
18...	10.0	984	7.5	286	.11	.71	1.9	.020	.003
AUG									
04...	--	897	7.6	271	.04	< .10	2.1	.190	.007
15...	10.0	940	7.7	273	< .01	.68	2.7	.030	.002
30...	--	901	7.4	269	.02	.26	3.0	.020	< .002
SEP									
12...	9.0	906	7.5	271	< .01	.22	3.1	.365	.002
26...	--	861	7.5	268	.01	.17	3.2	.010	.004
	HARD- NESS TOTAL (MG/L AS CACO ₃)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	
DATE									
OCT									
13...	370	89	37	48	2.1	110	63	537	
26...	360	87	35	44	2.1	100	54	538	
NOV									
09...	360	85	37	48	2.4	100	61	472	
23...	380	90	37	45	2.4	110	63	540	
DEC									
07...	370	91	35	45	2.4	100	59	504	
21...	370	89	37	47	2.3	94	59	480	
JAN									
05...	--	--	--	48	2.3	100	59	508	
19...	380	94	35	48	2.2	110	65	528	

QUALITY OF GROUND WATER
POWDER MILL PARK (SPRINGS)

430249077283401. Local number Mo 660 (PMS 1)--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988--continued

DATE	HARD- NESS TOTAL (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
FEB								
01...	360	84	36	46	2.2	100	56	538
19...	390	86	42	50	2.1	100	54	544
29...	360	86	35	49	1.9	100	48	516
MAR								
14...	340	82	34	47	1.9	100	51	532
28...	370	84	38	49	2.0	100	57	556
APR								
11...	370	84	39	52	2.0	120	61	528
25...	360	90	34	49	2.1	100	59	532
MAY								
09...	360	89	34	47	2.1	98	50	506
23...	380	95	34	47	2.0	96	51	--
JUN								
06...	340	85	32	47	2.0	100	53	508
20...	390	96	37	48	2.0	100	65	--
JUL								
05...	380	93	36	48	2.1	120	61	527
18...	400	97	38	51	2.0	120	74	591
AUG								
04...	340	83	32	43	1.9	120	67	558
15...	380	93	37	50	2.4	90	96	532
30...	370	88	36	47	2.0	100	96	529
SEP								
12...	380	92	37	52	2.0	100	42	535
26...	360	89	34	47	2.1	98	45	523

QUALITY OF GROUND WATER
POWDER MILL PARK (SPRINGS)

430249077283402. Local number Mo 661 (PMS 2)

LOCATION.--Lat. 43°02'49", long 77°28'34", Monroe County, Hydrologic unit 04140101, spring is sand boil at the middle of the north side of pond, which is east of fish hatchery ponds at Powder Mill Park near Bushnell Basin.

AQUIFER.--Confined aquifer in sand of Pleistocene age.

PERIOD OF RECORD.-- November 1983 to current year.

CHEMICAL DATA: 1984-88(d).

NUTRIENT DATA: 1984-88(d).

COOPERATION.-- Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, NY.

WATER QUALITY DATA, PERIOD NOVEMBER 1983 TO SEPTEMBER 1984

DATE	TEMPER- ATURE WATER (DEG C)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CACO ₃	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)
NOV									
16...	8.0	942	7.6	267	0.01	0.50	2.1	< 0.010	< 0.010
25...	5.0	895	7.4	264	< .01	.50	2.4	< .010	< .005
DEC									
09...	8.0	932	7.4	269	< .01	.20	2.8	< .010	< .005
15...	8.0	905	7.3	268	< .01	.60	3.2	.010	< .005
21...	8.0	910	7.2	272	.01	.30	3.1	< .010	< .005
JAN									
10...	8.0	940	7.2	274	.02	.50	3.0	< .010	< .005
18...	--	922	7.5	269	.04	.40	2.8	< .010	< .005
25...	--	915	7.2	269	.04	.30	3.1	< .010	< .005
FEB									
01...	--	909	7.3	270	< .01	.30	3.1	< .010	< .005
08...	--	924	7.3	276	< .01	.30	3.0	< .010	< .005
16...	--	908	7.3	264	.18	.40	3.7	.040	.011
22...	--	909	7.5	262	< .01	.30	3.1	.010	.006
MAR									
07...	--	899	7.3	263	< .01	.30	3.0	< .010	< .005
21...	--	911	7.4	258	.06	2.4	2.9	< .010	< .005
28...	--	922	7.5	258	.01	.60	2.8	< .010	< .005
APR									
04...	--	903	7.4	260	< .01	.40	3.0	< .010	< .005
11...	9.0	903	--	--	.01	.40	2.9	< .010	< .005
MAY									
16...	9.0	934	7.7	266	.03	.30	2.6	< .010	.008
23...	--	900	8.0	275	.02	.60	2.9	.010	< .005
JUN									
06...	9.0	919	7.6	268	.01	.60	3.0	< .010	< .005
27...	8.5	941	7.5	267	.02	.70	2.9	.020	< .005
JUL									
11...	8.0	939	7.6	272	.02	.60	2.8	< .010	< .005
17...	8.5	924	--	--	.03	.50	3.1	.030	.018

QUALITY OF GROUND WATER
POWDER MILL PARK (SPRINGS)

430249077283402. Local number Mo 661 (PMS 2)--continued

WATER QUALITY DATA, PERIOD NOVEMBER 1983 TO SEPTEMBER 1984--continued

DATE	TEMPER- ATURE WATER (DEG C)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	ALKA- LINTY WAT WH TOT FET FIELD MG/L AS CaCO ₃	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)
AUG									
01...	10.0	925	7.5	274	0.05	0.30	4.3	< 0.010	< 0.005
08...	8.0	--	7.6	268	< .01	.30	3.0	< .010	< .005
15...	8.0	924	7.4	270	< .01	.10	3.0	.020	< .005
22...	9.0	917	7.5	266	< .01	.50	3.0	< .010	.007
29...	9.0	909	7.5	272	.01	.40	3.2	.010	.006
SEP									
05...	10.0	933	7.5	267	< .01	< .10	3.1	.010	< .005
12...	9.0	919	7.5	273	.02	< .10	3.3	< .010	< .005
19...	9.0	939	7.5	274	.02	.10	3.0	< .010	< .005
26...	9.0	942	7.8	275	.03	.20	2.9	< .010	< .005
DATE	HARD- NESS TOTAL (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	
NOV									
16...	400	90	42	41	1.9	100	37	526	
25...	420	97	42	41	1.9	99	56	--	
DEC									
09...	410	95	42	42	1.9	100	56	--	
15...	410	93	43	42	2.0	100	61	--	
21...	410	94	42	45	2.0	100	59	733	
JAN									
10...	410	94	43	43	1.9	100	68	552	
18...	390	89	41	40	1.9	100	65	555	
25...	400	89	42	41	1.8	100	65	564	
FEB									
01...	420	100	42	40	2.1	100	72	536	
08...	420	98	42	45	2.2	100	57	549	
16...	420	97	42	42	2.2	100	58	549	
22...	420	96	43	41	2.2	100	61	540	
MAR									
07...	400	92	42	39	2.2	100	63	--	
21...	400	85	46	42	2.5	100	63	558	
28...	370	79	43	43	2.6	100	60	550	
APR									
04...	380	81	44	42	2.5	100	61	580	
11...	440	100	44	40	2.6	100	66	572	
MAY									
16...	420	99	43	40	2.3	100	69	505	
23...	410	94	43	46	2.6	100	76	548	

QUALITY OF GROUND WATER
POWDER MILL PARK (SPRINGS)

430249077283402. Local number Mo 661 (PMS 2)--continued

WATER QUALITY DATA, PERIOD NOVEMBER 1983 TO SEPTEMBER 1984--continued

DATE	HARD- NESS TOTAL (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
JUN								
06...	420	98	43	43	1.7	100	79	542
27...	420	97	44	45	1.7	100	53	575
JUL								
11...	420	99	43	49	1.8	96	58	440
17...	450	110	44	47	1.8	110	65	--
AUG								
01...	390	86	42	52	1.8	100	59	--
08...	400	94	41	49	2.0	100	78	569
15...	380	89	38	47	1.8	100	54	552
22...	400	93	41	49	2.0	100	62	539
29...	410	95	41	48	2.1	100	55	--
SEP								
05...	400	91	42	48	2.0	100	63	549
12...	390	--	--	44	1.7	100	64	601
19...	400	--	--	42	1.7	110	71	447
26...	410	92	43	47	1.7	100	63	555

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TEMPER- ATURE WATER (DEG C)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CaCO ₃	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)
NOV									
07...	9.0	936	7.5	265	0.01	0.40	2.6	0.020	0.013
14...	9.0	930	7.6	265	< .01	< .10	2.6	< .010	.006
28...	9.0	912	7.5	268	.02	.60	2.6	.020	< .005
DEC									
12...	8.5	940	7.6	268	.01	--	3.0	.020	< .005
26...	--	917	7.6	273	.04	1.1	3.3	.020	.010
JAN									
09...	7.0	921	7.6	265	.01	< .10	3.0	.010	< .005
23...	8.0	940	7.4	267	< .01	.10	2.9	.010	< .005
FEB									
06...	5.5	1080	7.4	264	< .01	< .10	1.4	.010	.009
20...	8.0	900	7.5	263	< .01	.90	3.4	.080	< .005
MAR									
06...	8.5	930	7.6	263	< .01	.20	2.9	.020	.012
20...	8.5	940	7.6	259	.01	< .10	2.7	< .010	< .005
APR									
03...	8.5	947	7.5	259	.02	.30	2.8	< .010	< .005
17...	9.0	938	7.6	258	.03	.20	2.7	.010	< .005

QUALITY OF GROUND WATER
POWDER MILL PARK (SPRINGS)

430249077283402. Local number Mo 661 (PMS 2)--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985--continued

	TEMPER- ATURE WATER (DEG C)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CACO ₃	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)
DATE									
MAY									
01...	8.0	940	7.4	272	0.02	0.30	2.4	< 0.010	< 0.005
29...	8.5	920	7.6	273	.01	.20	2.3	.010	< .005
JUN									
12...	8.5	930	7.6	274	.02	.30	2.9	.010	< .005
26...	9.0	920	7.6	273	.02	.30	1.4	.010	< .005
JUL									
10...	9.0	870	7.5	273	< .01	.30	2.9	.010	< .005
24...	14.5	940	7.6	272	.03	.50	2.6	< .010	.005
AUG									
07...	--	950	7.6	275	.01	.20	2.4	< .010	< .005
21...	9.0	800	7.6	273	< .01	.40	2.8	< .010	< .005
SEP									
04...	9.0	960	7.5	273	.05	.80	2.9	.020	< .005
18...	8.5	940	7.5	272	< .01	.40	2.9	.010	< .005
	HARD- NESS TOTAL (MG/L AS CACO ₃)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)		SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
DATE									
NOV									
07...	400	--	--	39	1.9	110	75		572
14...	440	100	45	42	2.1	100	71		542
28...	440	100	44	43	1.9	100	80		507
DEC									
12...	410	95	41	43	1.6	100	70		532
26...	400	92	42	42	1.6	100	80		548
JAN									
09...	410	94	42	43	1.5	110	70		--
23...	410	96	41	43	1.8	110	80		504
FEB									
06...	430	94	47	44	2.4	150	80		612
20...	410	97	40	40	1.8	100	65		564
MAR									
06...	390	91	40	40	1.6	100	64		528
20...	390	86	43	41	1.6	100	67		554
APR									
03...	390	91	40	39	1.4	110	75		332
17...	410	94	42	40	1.6	100	79		541
MAY									
01...	400	92	42	43	1.9	100	79		523
29...	420	95	45	42	1.9	100	73		562

QUALITY OF GROUND WATER
POWDER MILL PARK (SPRINGS)

430249077283402. Local number Mo 661 (PMS 2)--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985--continued

DATE	HARD- NESS TOTAL (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
JUN								
12...	410	98	41	40	1.8	100	60	--
26...	390	92	39	42	1.8	100	63	557
JUL								
10...	410	96	41	42	1.8	100	72	543
24...	400	--	--	41	1.9	110	77	--
AUG								
07...	410	95	43	40	2.0	110	62	529
21...	440	100	44	39	1.8	100	72	522
SEP								
04...	430	100	44	41	2.0	110	68	578
18...	390	87	41	41	1.8	100	82	540

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TEMPER- ATURE WATER (DEG C)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CaCO ₃	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)
OCT									
02...	--	935	7.4	269	0.02	0.40	2.1	< 0.010	< 0.005
16...	--	926	7.6	274	< .01	.50	2.9	< .010	< .005
30...	--	933	7.4	259	.03	.50	2.6	< .010	< .005
NOV									
13...	--	920	7.3	234	< .01	.30	3.1	.020	< .005
27...	--	--	7.4	263	.02	.40	2.7	.020	< .005
DEC									
17...	--	933	7.5	270	< .01	.40	2.3	.010	< .005
JAN									
08...	--	940	7.6	268	.02	.40	2.6	.010	< .005
22...	8.0	959	7.5	268	.01	.30	2.7	.010	< .005
FEB									
05...	--	939	7.5	270	.01	.30	2.7	< .010	< .005
19...	8.5	931	7.4	264	< .01	.20	2.6	.010	< .005
MAR									
05...	8.5	940	7.4	266	< .01	.60	2.6	< .010	< .005
APR									
02...	--	913	7.5	260	.02	.80	3.0	.010	< .005
16...	--	911	7.5	288	< .01	.40	2.6	< .010	< .005
30...	--	--	7.4	290	.01	.50	2.9	.010	< .005
MAY									
14...	--	907	7.6	286	< .01	.63	2.4	.010	< .005
27...	--	905	7.5	289	.03	.59	3.0	.010	< .005

QUALITY OF GROUND WATER
POWDER MILL PARK (SPRINGS)

430249077283402. Local number Mo 661 (PMS 2)--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986--continued

DATE	TEMPER- ATURE WATER (DEG C)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	ALKA- LINTY WAT WH TOT FET FIELD MG/L AS CaCO ₃	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)
JUN									
11...	--	1010	7.5	284	0.15	1.1	1.9	0.040	0.020
26...	--	926	7.3	287	< .01	.48	2.7	< .010	< .005
JUL									
09...	9.5	923	7.5	289	.02	.70	3.0	< .010	< .005
23...	8.5	958	7.5	283	.10	1.2	2.0	.030	< .005
AUG									
06...	8.5	944	--	--	.05	.61	--	< .010	< .005
20...	8.5	905	7.4	290	.05	.78	2.8	.025	< .005
SEP									
10...	9.0	--	7.4	286	.02	.55	3.1	.030	< .005
18...	9.0	935	7.3	285	.03	.40	2.7	.140	< .005
DATE	HARD- NESS TOTAL (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	
OCT									
02...	410	94	42	39	1.9	97	77	563	
16...	390	89	41	42	1.8	100	58	472	
30...	430	97	45	39	2.1	100	74	581	
NOV									
13...	410	92	44	42	2.0	100	84	--	
27...	410	92	43	40	2.0	100	88	576	
DEC									
17...	420	93	45	39	2.0	100	88	591	
JAN									
08...	420	88	49	42	1.6	100	83	457	
22...	400	89	44	42	1.9	100	76	548	
FEB									
05...	420	97	44	43	2.0	100	78	528	
19...	420	95	44	41	1.8	100	84	537	
MAR									
05...	420	95	44	44	1.8	100	90	566	
APR									
02...	370	83	40	42	1.9	98	51	575	
16...	410	97	40	40	2.1	100	69	567	
30...	390	90	41	43	1.7	100	56	542	
MAY									
14...	370	86	38	42	2.2	100	81	--	
27...	390	90	39	43	2.0	100	67	558	

QUALITY OF GROUND WATER
POWDER MILL PARK (SPRINGS)

430249077283402. Local number Mo 661 (PMS 2)--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986--continued

DATE	HARD- NESS TOTAL (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
JUN								
11...	410	94	42	48	2.1	120	81	640
26...	400	94	41	45	1.9	100	91	--
JUL								
09...	420	100	41	45	2.0	100	70	569
23...	420	99	43	49	2.3	120	78	580
AUG								
06...	410	96	41	46	2.0	100	70	570
20...	390	89	41	45	1.8	100	70	527
SEP								
10...	400	89	42	44	1.7	100	75	555
18...	450	100	45	44	1.7	100	59	541

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TEMPER- ATURE WATER (DEG C)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CaCO ₃	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)
OCT									
01...	8.5	920	7.4	284	0.03	0.63	3.1	0.005	< 0.005
14...	8.0	934	7.4	269	< .01	.64	2.9	.025	< .005
29...	8.0	951	7.3	270	.02	.49	2.3	.017	< .005
NOV									
13...	8.0	934	7.3	267	.04	.35	2.5	.006	< .005
26...	8.0	948	7.3	269	< .01	.87	2.3	.020	< .005
DEC									
10...	5.5	951	7.4	267	.02	.67	2.7	.695	< .005
24...	8.5	932	7.4	269	.02	.65	2.8	< .005	< .005
JAN									
07...	8.5	959	7.4	267	.01	.82	1.1	.010	< .005
23...	6.0	947	7.4	270	< .01	.51	3.4	.040	< .005
FEB									
04...	8.0	972	7.3	271	< .01	.55	2.1	< .005	< .005
17...	8.0	934	7.2	270	< .01	.54	2.8	< .005	< .005
MAR									
04...	8.5	941	7.4	275	.04	.71	3.0	.605	< .005
18...	8.5	939	7.4	269	< .01	.59	2.7	.030	< .005
APR									
01...	8.0	--	7.4	271	< .01	.50	3.3	< .010	< .005
16...	--	944	7.6	267	< .01	.28	2.3	.020	< .005
29...	8.5	949	7.6	270	< .01	.93	2.7	< .005	< .005

QUALITY OF GROUND WATER
POWDER MILL PARK (SPRINGS)

430249077283402. Local number Mo 661 (PMS 2)--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987--continued

	TEMPER- ATURE WATER (DEG C)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CaCO ₃	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)
MAY									
13...	8.5	948	7.6	269	< 0.01	0.57	2.9	0.365	< 0.005
26...	9.5	892	7.4	279	< .01	.62	2.6	.250	< .005
JUN									
09...	9.5	953	7.6	268	< .01	.39	2.7	.035	< .005
24...	9.0	983	7.5	267	< .01	.81	2.3	.025	< .005
JUL									
08...	10.0	995	7.5	265	.04	.59	2.1	.130	.005
23...	8.5	945	7.5	270	< .01	.43	2.5	.030	< .005
AUG									
19...	9.0	962	7.9	271	--	.32	2.5	.015	.005
SEP									
02...	9.0	952	7.5	272	--	.37	2.4	.030	< .005
15...	--	940	6.8	263	< .01	.61	2.6	.350	.005
	HARD- NESS TOTAL (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)	SULFATE DIS- SOLVED (MG/L AS SO ₄)		SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
OCT									
01...	440	100	46	44	1.8	100	68		511
14...	380	88	40	43	1.7	100	70		566
29...	400	94	41	39	2.0	100	--		531
NOV									
13...	410	95	42	44	2.0	100	73		508
26...	420	100	41	44	2.0	110	66		542
DEC									
10...	420	100	42	46	2.1	110	83		535
24...	410	95	42	47	1.9	100	70		533
JAN									
07...	430	100	43	50	2.1	110	97		475
23...	410	94	42	47	2.0	110	73		--
FEB									
04...	440	100	45	46	2.1	110	97		595
17...	420	97	43	46	2.0	100	52		569
MAR									
04...	420	100	41	46	1.7	100	86		543
18...	420	100	41	44	1.8	100	72		514
APR									
01...	400	94	41	43	2.1	100	74		520
16...	410	95	42	44	2.0	110	79		513
29...	420	95	44	46	1.8	120	71		552

QUALITY OF GROUND WATER
POWDER MILL PARK (SPRINGS)

430249077283402. Local number Mo 661 (PMS 2)--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987--continued

DATE	HARD- NESS TOTAL (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
MAY								
13...	410	90	44	46	2.2	100	75	545
26...	410	98	39	46	2.2	100	76	542
JUN								
09...	420	98	43	44	2.2	110	85	--
24...	400	94	40	48	2.2	110	86	567
JUL								
08...	390	94	38	46	2.2	110	83	566
23...	390	100	35	46	2.2	110	76	536
AUG								
19...	420	100	40	49	1.9	110	73	624
SEP								
02...	400	98	38	48	2.2	100	76	545
15...	400	97	38	45	2.1	110	71	518

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	TEMPER- ATURE WATER (DEG C)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CaCO ₃	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)
OCT									
13...	8.5	937	7.6	271	0.02	0.27	2.3	0.005	0.002
26...	8.0	942	7.4	268	.04	.46	2.3	.005	< .002
NOV									
09...	8.0	929	7.3	272	< .01	.18	2.5	.010	< .002
23...	8.5	938	7.3	271	< .01	.22	2.6	.010	< .002
DEC									
07...	--	950	7.2	268	< .01	.17	2.5	.010	.002
21...	8.0	934	7.4	270	.02	.16	1.7	.005	.003
JAN									
05...	8.5	966	7.4	261	< .01	.29	2.3	.015	< .002
19...	9.0	--	7.3	269	.01	.21	2.6	.010	.003
FEB									
01...	8.0	960	7.4	265	.01	.23	--	.155	< .002
19...	8.0	980	7.5	264	< .01	--	2.1	.015	< .002
29...	8.0	969	7.6	265	< .01	.18	2.1	.025	.002
MAR									
14...	8.5	943	7.4	266	< .01	< .10	2.3	.010	< .002
28...	8.0	965	7.6	269	< .01	.32	2.1	.020	.002
APR									
11...	8.5	991	7.6	265	< .01	.10	1.9	.150	.002
25...	8.5	974	7.6	265	< .010	.26	2.0	.010	< .002

QUALITY OF GROUND WATER
POWDER MILL PARK (SPRINGS)

430249077283402. Local number Mo 661 (PMS 2)--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988--continued

	TEMPER- ATURE WATER (DEG C)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CaCO ₃	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)
DATE									
MAY									
09...	8.5	988	7.4	262	< 0.01	0.62	1.9	0.040	0.002
23...	8.0	946	7.6	267	< .01	.33	2.2	.010	.003
JUN									
06...	9.0	956	7.7	271	< .01	.72	2.4	.010	.002
20...	8.0	943	7.6	273	< .01	.78	2.5	.025	.005
JUL									
05...	--	965	7.5	272	< .01	.29	2.5	.010	.002
18...	8.0	949	7.6	274	< .01	.37	2.1	.015	.003
AUG									
04...	--	947	7.6	273	.02	.62	2.4	.165	.005
15...	10.0	967	7.8	275	< .01	.44	2.6	.005	.002
30...	--	950	7.4	273	.02	< .10	2.5	< .005	.003
SEP									
12...	8.5	981	7.5	273	< .01	.48	2.3	.005	.002
26...	--	937	7.6	270	.01	.40	2.5	.010	.002
	HARD- NESS TOTAL (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)	SULFATE DIS- SOLVED (MG/L AS SO ₄)		SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
DATE									
OCT									
13...	400	95	39	46	2.1	110	78		537
26...	390	94	38	42	2.1	110	83		568
NOV									
09...	380	88	38	47	2.4	100	74		576
23...	400	94	39	43	2.4	110	--		480
DEC									
07...	390	96	37	43	2.4	110	77		576
21...	390	93	38	44	2.3	110	74		434
JAN									
05...	--	--	--	48	2.4	110	81		502
19...	390	96	36	46	2.2	110	73		516
FEB									
01...	400	93	40	45	2.1	110	74		550
19...	410	100	36	46	2.1	110	77		550
29...	410	99	40	45	2.1	110	85		592
MAR									
14...	390	94	38	45	2.0	110	84		581
28...	410	95	42	47	2.1	110	88		572

QUALITY OF GROUND WATER
POWDER MILL PARK (SPRINGS)

430249077283402. Local number Mo 661 (PMS 2)--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988--continued

DATE	HARD- NESS TOTAL (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
APR								
11...	430	100	41	47	2.0	110	89	574
25...	420	110	38	46	2.3	110	92	580
MAY								
09...	450	110	41	45	2.3	110	92	556
23...	420	100	39	45	2.2	110	77	--
JUN								
06...	400	96	39	45	2.1	110	71	568
20...	400	97	39	47	1.9	110	72	--
JUL								
05...	410	98	39	46	2.0	110	72	574
18...	420	100	38	47	1.9	110	70	556
AUG								
04...	410	100	38	47	2.2	110	73	557
15...	400	99	38	48	2.2	110	66	496
30...	400	97	39	46	2.0	110	68	567
SEP								
12...	400	96	39	47	2.0	110	72	576
26...	420	100	39	46	2.0	110	54	562

QUALITY OF GROUND WATER
POWDER MILL PARK (SPRINGS)

430249077283403. Local number Mo 662 (PMS 3)

LOCATION.--Lat. 43°02'49", long 77°28'34", Monroe County, Hydrologic unit 04140101, spring is sand boil at the west end of the north side of pond, which is east of fish hatchery ponds at Powder Mill Park near Bushnell Basin.

AQUIFER.--Confined aquifer in sand of Pleistocene age.

PERIOD OF RECORD.-- December 1983 to current year.

CHEMICAL DATA: 1984-88(d).

NUTRIENT DATA: 1984-88(d).

COOPERATION.-- Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, NY.

WATER QUALITY DATA, PERIOD DECEMBER 1983 TO SEPTEMBER 1984

DATE	TEMPER- ATURE WATER (DEG C)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	ALKA- LINTY WAT WH TOT FET FIELD MG/L AS CaCO ₃	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)
DEC									
02...	7.0	1040	7.4	260	0.03	0.40	1.2	< 0.010	< 0.005
09...	9.0	1050	7.3	268	< .01	.30	1.5	< .010	< .005
15...	8.0	1080	7.2	268	< .01	.40	1.6	< .010	< .005
21...	8.0	1030	7.3	261	.04	.80	1.6	< .010	< .005
JAN									
10...	--	1150	7.2	274	.02	.40	2.0	< .010	< .005
18...	--	1020	7.5	268	< .01	.70	1.8	< .010	< .005
25...	--	1020	7.1	272	< .01	.50	1.8	< .010	< .005
FEB									
01...	--	1030	7.2	275	.03	.40	1.9	< .010	< .005
08...	--	1050	7.3	273	< .01	.40	1.7	< .010	< .005
16...	--	1050	7.3	265	.02	.40	1.6	< .010	< .005
22...	--	1040	7.5	267	< .01	.50	1.7	< .010	.005
MAR									
07...	--	1020	7.3	268	< .01	.40	1.4	< .010	< .005
21...	--	1040	7.4	263	.02	.60	1.6	< .010	< .005
28...	--	1050	7.6	260	.01	.60	1.6	< .010	< .005
APR									
04...	--	1050	7.4	266	< .01	.50	1.5	< .010	< .005
11...	9.0	1030	--	--	.01	.50	1.8	< .010	< .005
MAY									
16...	8.5	1080	7.6	266	< .01	.50	1.2	< .010	.008
23...	--	1040	7.9	272	.02	.50	1.1	.010	< .005
JUN									
06...	9.0	1050	7.7	271	.01	.50	1.4	< .010	< .005
27...	o--	1060	7.5	268	.02	.70	1.6	.050	< .005
JUL									
11...	8.5	1070	7.5	268	.02	.80	1.6	< .010	< .005
17...	8.0	1050	--	--	.02	.60	1.5	.030	.013

**QUALITY OF GROUND WATER
POWDER MILL PARK (SPRINGS)**

430249077283403. Local number Mo 662 (PMS 3)--continued

WATER QUALITY DATA, PERIOD DECEMBER 1983 TO SEPTEMBER 1984--continued

	TEMPER- ATURE WATER (DEG C)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CaCO ₃	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)
AUG									
01...	10.0	1080	7.4	268	0.03	0.60	1.2	< 0.010	0.005
08...	8.0	--	7.5	264	< .01	.30	2.2	< .010	< .005
15...	8.0	1060	7.4	267	< .01	< .10	1.5	< .010	< .005
22...	9.0	1040	7.4	266	< .01	.60	1.5	< .010	.007
29...	9.0	1070	7.4	267	.01	.40	1.3	.010	.075
SEP									
05...	10.0	1070	7.4	266	< .01	.50	1.4	.010	< .005
12...	9.0	1030	7.5	273	.02	.20	1.6	< .010	< .005
19...	9.0	1100	7.5	267	.02	.40	.98	< .010	< .005
26...	9.0	1110	7.7	264	.01	.20	.93	< .010	< .005
	HARD- NESS TOTAL (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	
DEC									
02...	460	100	48	44	2.4	130	81	--	
09...	450	100	47	47	2.4	140	77	--	
15...	440	100	46	49	2.4	140	75	--	
21...	460	100	48	47	2.3	130	81	581	
JAN									
10...	440	100	46	49	2.1	130	81	619	
18...	430	96	46	49	2.2	140	74	591	
25...	430	95	46	51	2.2	140	78	613	
FEB									
01...	450	100	46	50	2.6	140	72	573	
08...	450	100	46	51	2.7	140	73	616	
16...	450	100	46	48	2.8	140	70	624	
22...	450	100	46	49	2.9	140	69	609	
MAR									
07...	440	100	46	50	2.8	140	70	610	
21...	430	92	48	51	3.3	140	77	614	
28...	420	92	46	53	3.4	140	74	623	
APR									
04...	410	87	46	52	3.2	140	66	654	
11...	450	--	--	50	3.4	150	78	606	
MAY									
16...	470	110	49	49	3.0	150	62	579	
23...	440	--	--	49	3.1	140	93	596	
JUN									
06...	470	110	48	54	2.2	140	90	618	
27...	460	110	48	50	2.1	150	85	672	

QUALITY OF GROUND WATER
POWDER MILL PARK (SPRINGS)

430249077283403. Local number Mo 662 (PMS 3)--continued

WATER QUALITY DATA, PERIOD DECEMBER 1983 TO SEPTEMBER 1984--continued

DATE	HARD- NESS TOTAL (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
JUL								
11...	450	100	47	52	2.2	130	80	661
17...	440	100	46	47	2.0	130	73	645
AUG								
01...	450	98	50	47	2.4	140	83	--
08...	460	110	47	54	2.6	130	88	641
15...	450	100	46	53	2.3	130	77	621
22...	460	110	47	56	2.5	140	85	619
29...	450	100	48	55	2.5	140	75	--
SEP								
05...	450	100	48	56	2.7	140	85	648
12...	470	110	50	51	2.1	140	82	--
19...	450	92	54	41	2.0	150	94	544
26...	440	94	51	50	2.4	150	97	651

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TEMPER- ATURE WATER (DEG C)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CaCO ₃	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)
NOV									
07...	8.0	1040	7.5	269	0.01	0.50	1.6	0.020	0.012
14...	9.0	1060	7.6	269	.01	.70	1.4	< .010	.006
28...	9.0	1090	7.6	270	.01	.50	1.3	.020	< .005
DEC									
12...	8.5	1070	7.6	267	< .01	--	1.4	.010	< .005
26...	8.5	1090	7.5	270	< .01	.20	1.2	.020	< .005
JAN									
09...	7.0	1050	7.6	265	.04	.40	1.2	.010	.008
23...	8.0	1070	7.5	270	< .01	.30	1.5	.010	< .005
FEB									
06...	5.5	899	7.5	261	.05	.60	5.5	.020	.008
20...	8.0	1050	7.4	265	.08	1.0	2.0	.020	< .005
MAR									
06...	8.0	1100	7.5	263	< .01	.20	1.2	.020	.006
20...	8.5	1100	7.5	261	< .01	.20	1.4	< .010	< .005
APR									
03...	8.5	1070	7.5	262	< .01	.40	1.5	< .010	--
17...	8.0	1100	7.6	260	.04	.30	1.6	.010	< .005
MAY									
01...	9.0	1080	7.4	274	.04	.30	1.3	< .010	< .005
29...	8.5	1070	7.6	279	.020	.20	1.5	.010	< .005

QUALITY OF GROUND WATER
POWDER MILL PARK (SPRINGS)

430249077283403. Local number Mo 662 (PMS 3)--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985--continued

	TEMPER- ATURE WATER (DEG C)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CaCO ₃	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)
JUN									
12...	9.0	1100	7.5	277	0.02	0.30	1.3	0.010	< 0.005
26...	9.0	1070	7.6	275	.03	.30	1.4	.010	.006
JUL									
10...	9.0	1080	7.6	276	.02	.30	1.4	.010	< .005
24...	14.0	1080	7.6	275	.02	.50	1.4	.010	.010
AUG									
07...	--	1100	7.6	274	< .01	.70	0.9	< .010	< .005
21...	10.0	1000	7.6	274	< .01	.30	1.5	< .010	< .005
SEP									
04...	9.0	1090	7.5	272	.03	.20	1.4	< .010	< .005
18...	--	1100	7.6	271	< .01	.60	1.6	.010	< .005
	HARD- NESS TOTAL (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)	SULFATE DIS- SOLVED (MG/L AS SO ₄)		SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
NOV									
07...	480	110	50	48	2.3	140	87		586
14...	450	--	50	51	2.3	140	76		600
28...	480	110	50	54	3.3	150	90		599
DEC									
12...	440	--	--	51	2.3	150	90		627
26...	450	100	47	52	2.0	150	90		636
JAN									
09...	460	110	47	50	1.8	150	80		--
23...	450	100	46	52	1.9	150	80		566
FEB									
06...	380	87	40	39	1.9	100	53		507
20...	470	110	48	48	2.2	150	63		520
MAR									
06...	450	100	48	50	2.1	150	81		643
20...	450	99	49	52	2.1	150	88		747
APR									
03...	450	100	46	47	1.9	150	84		632
17...	460	100	48	52	2.1	150	91		619
MAY									
01...	450	100	47	51	2.4	150	76		--
29...	460	100	49	54	2.3	150	86		631
JUN									
12...	460	110	47	51	2.4	150	75		--
26...	470	110	48	52	2.2	150	75		634

**QUALITY OF GROUND WATER
POWDER MILL PARK (SPRINGS)**

430249077283403. Local number Mo 662 (PMS 3)--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985--continued

DATE	HARD- NESS TOTAL (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
JUL								
10...	450	100	46	54	2.2	150	76	648
24...	440	--	--	50	2.3	150	78	639
AUG								
07...	460	100	49	51	3.5	160	84	645
21...	490	120	49	48	2.5	150	73	651
SEP								
04...	480	110	49	50	2.4	150	84	693
18...	450	100	46	53	2.3	150	90	584

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	TEMPER- ATURE WATER (DEG C)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CaCO ₃	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)
OCT									
02...	--	1100	7.5	272	0.03	0.50	1.4	< 0.010	< 0.005
16...	--	1100	7.4	271	< .01	.40	1.1	< .010	< .005
30...	--	1110	7.4	261	.02	.60	.95	.010	< .005
NOV									
13...	--	1080	7.3	274	< .01	.20	1.1	.010	< .005
27...	--	--	7.3	268	.01	.50	1.6	.010	< .005
DEC									
17...	--	1110	7.3	269	< .01	.40	1.2	.010	< .005
JAN									
08...	--	1120	7.5	272	.01	.40	1.5	.010	< .005
22...	8.0	1100	7.5	270	.01	.30	1.3	.010	< .005
FEB									
05...	--	1100	7.4	271	.01	.30	1.4	.120	< .005
19...	8.5	1050	7.5	270	< .01	.20	1.5	.070	< .005
MAR									
05...	8.0	1060	7.3	269	< .01	.50	1.6	< .010	< .005
APR									
02...	--	1110	7.6	267	.01	.60	1.4	< .010	< .005
16...	--	1040	7.3	290	< .01	.20	1.4	< .010	< .005
30...	--	--	7.4	289	.01	.60	.83	.010	< .005
MAY									
14...	--	1000	7.7	289	< .01	.70	1.5	.020	< .005
27...	--	1060	7.5	291	.01	.56	1.5	< .010	< .005
JUN									
11...	--	1090	7.5	285	.16	1.1	1.7	.030	.023
26...	--	1070	7.4	286	.02	.68	1.6	< .010	< .005

**QUALITY OF GROUND WATER
POWDER MILL PARK (SPRINGS)**

430249077283403. Local number Mo 662 (PMS 3)--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986--continued

DATE	TEMPER- ATURE WATER (DEG C)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CAO ₃	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)
JUL									
09...	10.0	1070	7.4	288	0.01	0.85	1.6	< 0.010	< 0.005
23...	9.0	1020	7.7	284	.07	1.1	1.9	.040	< .005
AUG									
06...	9.0	1130	--	--	.07	1.2	--	< .010	< .005
20...	8.5	1070	7.4	286	.07	1.4	1.3	--	< .005
SEP									
10...	9.0	--	7.4	284	--	.89	1.1	.030	< .005
18...	8.5	1090	7.3	287	.02	.50	1.3	< .010	< .005
DATE	HARD- NESS TOTAL (MG/L AS CAO ₃)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	
OCT									
02...	440	100	46	51	2.3	140	78	663	
16...	460	100	49	53	2.4	160	78	622	
30...	470	110	50	52	2.8	150	87	690	
NOV									
13...	450	98	50	53	2.6	160	96	--	
27...	460	100	49	53	2.6	150	100	673	
DEC									
17...	470	100	50	58	2.4	150	97	650	
JAN									
08...	460	94	54	54	2.0	140	66	607	
22...	440	94	49	55	2.4	150	96	665	
FEB									
05...	460	100	49	55	2.4	140	99	604	
19...	460	100	49	54	2.1	150	100	607	
MAR									
05...	460	100	48	55	2.1	140	110	640	
APR									
02...	440	100	47	52	2.4	150	78	649	
16...	420	100	41	50	2.4	140	66	654	
30...	450	100	48	55	2.3	160	64	676	
MAY									
14...	410	96	42	53	2.7	140	80	--	
27...	430	100	44	53	2.5	150	85	680	
JUN									
11...	420	97	43	49	2.1	120	64	676	
26...	420	99	41	55	2.3	140	87	--	

QUALITY OF GROUND WATER
POWDER MILL PARK (SPRINGS)

430249077283403. Local number Mo 662 (PMS-3)--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986--continued

DATE	HARD- NESS TOTAL (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
JUL								
09...	460	110	44	53	2.4	130	98	665
23...	430	100	43	50	2.4	130	80	607
AUG								
06...	470	110	48	58	2.0	160	94	690
20...	450	100	47	55	2.2	150	90	618
SEP								
10...	460	100	48	58	2.4	160	93	642
18...	500	120	50	57	2.2	150	73	650

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TEMPER- ATURE WATER (DEG C)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	ALKA- LINTY WAT WH TOT FET FIELD MG/L AS CaCO ₃	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)
OCT									
01...	8.0	1120	7.2	284	0.03	0.64	1.1	0.080	< 0.005
14...	8.5	1060	7.4	273	< .01	.87	1.4	.020	< .005
29...	8.5	1070	7.3	273	.02	.75	1.4	.008	< .005
NOV									
13...	8.5	1070	7.3	269	.04	.42	1.5	.031	< .005
26...	8.5	1080	7.3	273	< .01	.85	1.5	.025	< .005
DEC									
10...	6.0	1090	7.3	271	.02	.68	1.4	.060	< .005
24...	8.0	1060	7.4	271	.04	.63	1.7	< .005	< .005
JAN									
07...	8.0	1080	7.4	275	< .01	.60	1.4	.010	< .005
23...	6.0	1090	7.3	271	< .01	.57	1.4	< .005	< .005
FEB									
04...	7.0	1100	7.3	277	< .01	.70	1.4	< .005	< .005
17...	8.0	1070	7.3	270	< .01	.68	1.7	< .005	< .005
MAR									
04...	8.0	1080	7.3	276	.04	.65	1.6	.470	< .005
18...	8.5	1070	7.4	272	.02	.39	1.7	.030	< .005
APR									
01...	8.0	--	7.4	271	.04	.56	1.6	< .010	< .005
16...	--	1070	7.5	270	< .01	.41	1.4	< .005	< .005
29...	8.5	1090	7.5	272	< .01	.70	1.5	< .005	< .005
MAY									
13...	9.0	1100	7.6	271	.01	.81	1.3	.350	< .005
26...	9.0	1100	7.4	281	.04	.62	1.3	.275	< .005

**QUALITY OF GROUND WATER
POWDER MILL PARK (SPRINGS)**

430249077283403. Local number Mo 662 (PMS 3)--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987--continued

	TEMPER- ATURE WATER (DEG C)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CaCO ₃	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)
JUN									
09...	9.0	1130	7.6	270	< 0.01	0.39	1.0	0.035	< 0.005
24...	8.5	1150	7.5	270	< .01	.78	1.1	.040	< .005
JUL									
08...	10.0	1080	7.4	268	.04	.75	1.4	.015	.005
23...	9.5	1130	7.5	272	< .01	.60	.97	.015	< .005
AUG									
19...	9.5	1080	7.8	273	--	.45	1.6	.020	.005
SEP									
02...	8.5	1130	7.5	274	--	.52	1.1	.025	< .005
15...	--	1130	6.9	264	.03	.37	1.0	.030	.005
DATE	HARD- NESS TOTAL (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	
OCT									
01...	420	--	--	58	2.4	160	84	618	
14...	430	97	46	57	2.2	150	80	591	
29...	440	100	46	54	2.5	150	92	611	
NOV									
13...	440	100	46	56	2.5	150	82	570	
26...	440	100	45	58	2.5	150	72	611	
DEC									
10...	460	110	46	60	2.4	150	89	563	
24...	460	100	47	57	2.4	140	77	575	
JAN									
07...	440	100	45	58	2.5	150	89	583	
23...	430	95	47	60	2.5	150	82	--	
FEB									
04...	470	110	48	62	4.0	150	94	630	
17...	470	110	47	57	2.4	150	71	616	
MAR									
04...	460	110	45	58	2.2	140	92	610	
18...	460	110	44	58	2.2	140	83	622	
APR									
01...	450	100	48	54	2.5	140	93	572	
16...	440	100	47	57	2.5	140	79	606	
29...	470	110	47	58	2.2	140	83	606	
MAY									
13...	430	94	48	59	2.7	150	82	590	
26...	410	95	43	58	2.7	150	83	626	

QUALITY OF GROUND WATER
POWDER MILL PARK (SPRINGS)

430249077283403. Local number Mo 662 (PMS 3)--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987--continued

DATE	HARD- NESS TOTAL (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
JUN								
09...	450	98	49	60	2.8	160	86	--
24...	460	100	48	61	2.9	160	78	646
JUL								
08...	410	96	41	58	2.6	140	91	552
23...	450	110	43	31	2.8	160	88	630
AUG								
19...	440	100	43	61	2.2	140	87	647
SEP								
02...	450	110	44	64	2.8	160	77	618
15...	450	110	44	61	2.8	160	94	616

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	TEMPER- ATURE WATER (DEG C)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CaCO ₃	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)
OCT									
13...	8.5	1120	7.5	270	0.01	0.24	1.1	< 0.005	< 0.002
26...	8.5	1120	7.4	271	.04	.55	1.0	.020	< .002
NOV									
09...	8.0	1100	7.3	271	< .01	.22	1.1	< .005	< .002
23...	8.5	1100	7.2	271	< .01	.22	1.4	.020	.002
DEC									
07...	--	1090	7.2	273	< .01	.21	1.4	.005	< .002
21...	8.0	1110	7.3	271	< .01	.16	.97	.005	.003
JAN									
05...	8.0	1090	7.3	270	.02	< .10	1.4	.010	.002
19...	8.5	--	7.3	269	.01	.22	1.3	< .010	.002
FEB									
01...	8.0	1100	7.4	270	.01	.19	1.3	.065	< .002
19...	8.0	1130	7.3	271	.01	--	1.2	.020	< .002
29...	8.5	1110	7.4	271	< .01	.15	1.1	.005	.002
MAR									
14...	8.0	1060	7.5	283	< .01	.14	1.0	.010	< .002
28...	8.0	1090	7.5	276	< .01	.20	1.2	.005	.002
APR									
11...	8.0	1090	7.6	273	< .01	.12	1.4	.015	< .002
25...	8.5	1080	7.6	272	< .01	.15	1.2	.015	< .002
MAY									
09...	8.5	1100	7.6	272	< .01	.60	1.3	.010	.002
23...	8.0	1130	7.5	270	< .01	.50	1.2	.010	.003

QUALITY OF GROUND WATER

POWDER MILL PARK (SPRINGS)

430249077283403. Local number Mo 662 (PMS 3)--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988--continued

	TEMPER- ATURE WATER (DEG C)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CaCO ₃	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)
JUN									
06...	9.0	1130	7.5	271	< 0.01	0.65	1.0	0.085	0.010
20...	8.0	1120	7.5	272	< .01	.48	1.2	.010	.002
JUL									
05...	--	1130	7.5	271	< .01	.22	--	.005	.002
18...	9.0	1080	7.6	272	.07	.37	1.4	.020	< .002
AUG									
04...	--	1050	7.6	273	.02	.25	1.5	.060	.013
15...	10.0	969	7.7	275	< .01	.39	1.5	.050	.003
30...	--	1120	7.4	272	< .01	.13	1.2	< .005	.003
SEP									
12...	8.5	1130	7.5	275	< .01	.48	1.1	.005	< .002
26...	--	1070	7.4	271	.01	.22	1.2	.010	.002
DATE	HARD- NESS TOTAL (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	
OCT									
13...	440	110	42	60	2.8	150	92	625	
26...	430	100	43	58	2.8	160	87	664	
NOV									
09...	420	96	44	64	3.2	160	85	661	
23...	430	100	42	57	3.1	150	87	588	
DEC									
07...	420	100	40	59	3.0	150	85	610	
21...	440	100	44	67	3.0	170	86	650	
JAN									
05...	--	--	--	61	2.8	150	80	613	
19...	430	100	41	61	2.8	150	96	648	
FEB									
01...	410	100	40	61	2.6	150	59	644	
19...	470	100	52	64	2.5	160	83	610	
29...	430	100	42	61	2.6	160	82	624	
MAR									
14...	430	100	42	62	2.6	160	84	624	
28...	420	97	44	65	2.6	150	89	648	
APR									
11...	440	100	44	62	2.3	150	86	642	
25...	420	100	38	63	2.8	150	88	662	

QUALITY OF GROUND WATER
POWDER MILL PARK (SPRINGS)

430249077283403. Local number Mo 662 (PMS 3)--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988--continued

DATE	HARD- NESS TOTAL (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
MAY								
09...	440	100	42	61	2.6	150	92	564
23...	450	110	42	61	2.8	150	77	--
JUN								
06...	450	110	44	63	2.6	160	78	652
20...	450	110	43	61	2.4	150	75	550
JUL								
05...	450	110	44	58	2.5	110	84	637
18...	410	98	40	58	2.2	140	80	626
AUG								
04...	420	100	41	55	2.4	140	78	624
15...	430	110	41	58	2.6	140	75	630
30...	440	100	42	61	2.5	160	82	660
SEP								
12...	--	--	--	52	2.1	160	77	613
26...	440	110	42	62	2.6	160	55	650

GROUND-WATER LEVELS
POWDER MILL PARK (WELLS)

430249077284501. Local number Mo 12 (PM 83-4)

LOCATION.--Lat 43°02'49", long 77°28'45", Hydrologic Unit 04140101, near esker along north side of Park Road, 500 ft west of fish hatchery ponds at Powder Mill Park near Bushnell basin. Owner: U.S. Geological Survey.

AQUIFER.--Confined aquifer in sand of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 43 ft, cased to 43 ft, open end.

INSTRUMENTATION.--Weekly measurement with chalked tape by Powder Mill Park personnel and occasional measurement by USGS and MCEHL.

DATUM.--Elevation of land-surface datum is 431.82 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 0.25 ft below land-surface datum.

REMARKS.--This well is also a water-quality observation well. Water levels are monitored monthly and water samples taken quarterly by the Monroe County Environmental Health Laboratory. Water-temperature profiles are also taken by MCEHL on a quarterly basis.

PERIOD OF RECORD.--December 1983 to September 1988.

EXTREMES FOR WATER YEARS 1984-88.--Highest and lowest water level measured, in feet below land-surface datum, for each water year:

Water Year	Date	Highest water level	Date	Lowest water level
1984	Dec. 16	0.75	Dec. 9	1.60
1985	Aug. 16	.97	Sept. 1	1.48
1986	Feb. 14	.97	Oct. 3	1.53
1987	June 16	.81	Aug. 26, Sept. 17, 26	1.17
1988	May 27	1.07	Sept. 12	1.70

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, PERIOD DECEMBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 9	1.60	FEB 10	1.43	APR 25	1.20	JUL 20	1.11
15	1.37	16	1.43	MAY 4	1.17	27	1.16
16	.75	MAR 2	1.37	11	1.12	AUG 3	1.21
29	1.29	9	1.37	29	1.11	15	1.23
JAN 4	1.36	23	1.32	JUN 9	.97	24	1.18
12	1.42	29	1.30	18	1.00	31	1.18
20	1.44	APR 6	1.23	28	1.07	SEP 14	1.19
27	1.45	15	1.27	JUL 6	1.07	21	1.18

GROUND-WATER LEVELS
POWDER MILL PARK (WELLS)

430249077284501. Local number Mo 12 (PM 83-4)--continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 12	1.17	JAN 4	1.06	MAR 22	1.04	JUL 5	1.12
19	1.16	11	1.05	29	1.02	19	1.17
26	1.14	18	1.06	APR 5	1.00	26	1.24
NOV 15	1.11	25	1.07	12	.99	AUG 2	1.33
26	1.09	FEB 1	1.06	MAY 2	1.04	16	.97
30	1.11	15	1.09	10	1.01	23	1.45
DEC 10	1.11	22	1.12	17	1.03	SEP 1	1.48
14	1.10	MAR 1	1.08	31	1.07	9	1.45
21	1.07	8	1.06	JUN 11	1.07	23	1.47
28	1.10	15	1.05	18	1.10		

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	1.53	DEC 13	1.28	FEB 21	1.13	AUG 28	1.16
15	1.50	JAN 3	1.24	28	1.13	SEP 3	1.19
28	1.48	16	1.27	APR 17	1.05	12	1.22
NOV 14	1.42	23	1.23	JUL 19	1.18	18	1.21
29	1.34	FEB 3	1.10	25	1.18	25	1.20
DEC 6	1.28	14	.97	AUG 19	1.09	30	1.15

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

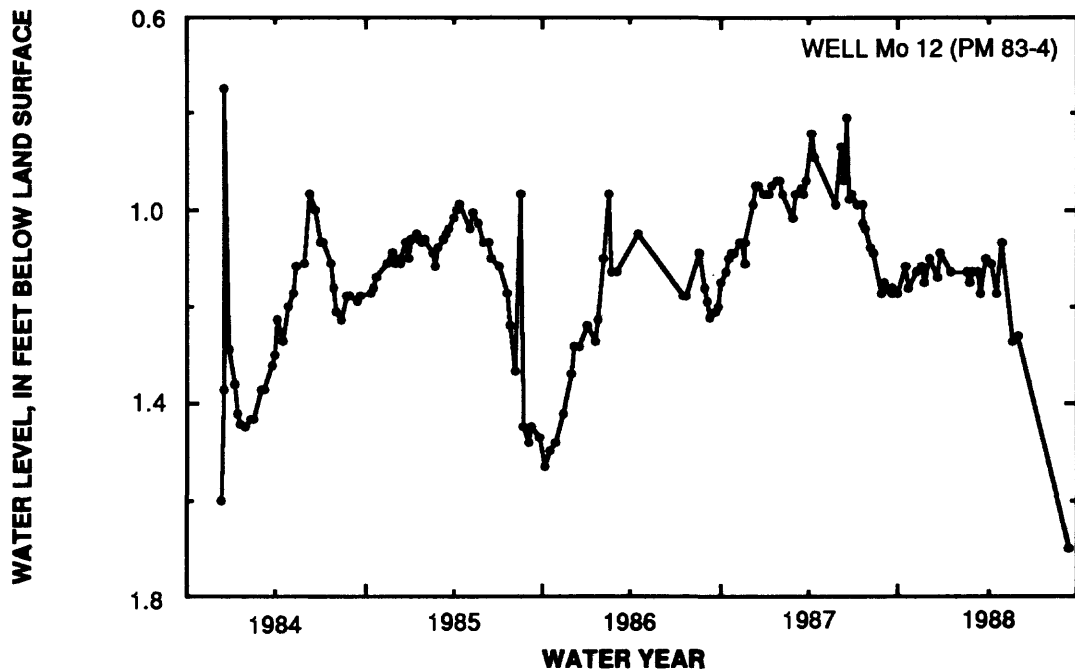
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	1.13	DEC 26	0.97	MAR 27	0.94	JUL 22	1.03
17	1.10	JAN 2	.97	APR 7	.84	27	1.04
24	1.09	9	.97	9	.89	AUG 4	1.08
31	1.09	16	.95	MAY 23	.99	12	1.09
NOV 7	1.07	23	.94	JUN 4	.87	26	1.17
14	1.07	30	.94	10	.94	SEP 2	1.15
20	1.11	FEB 6	.97	16	.81	9	1.16
21	1.07	27	1.02	21	.98	16	1.16
DEC 5	.99	MAR 6	.97	29	.97	17	1.17
12	.95	13	.96	JUL 6	.99	26	1.17
19	.95	23	.97	18	.99		

GROUND-WATER LEVELS
POWDER MILL PARK (WELLS)

430249077284501. Local number Mo 12 (PM 83-4)--continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 14	1.12	DEC 18	1.14	MAR 2	1.13	APR 19	1.17
22	1.16	23	1.09	11	1.13	27	1.07
NOV 5	1.13	JAN 15	1.13	18	1.19	MAY 25	1.27
17	1.12	FEB 19	1.13	30	1.10	JUN 1	1.26
25	1.15	24	1.15	APR 6	1.11	SEP 12	1.70
DEC 4	1.10						



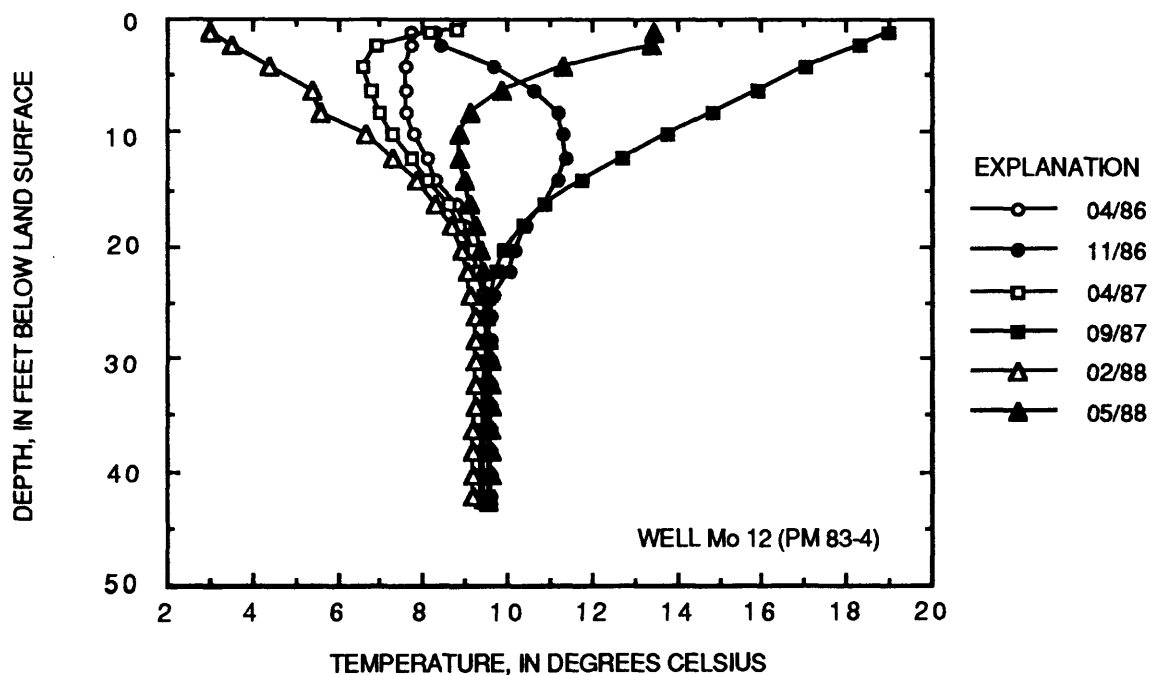
WATER-TEMPERATURE PROFILES

POWDER MILL PARK (WELLS)

430249077284501. Local number Mo 12 (PM 83-4)--continued

Water Temperature in C°

Depth (ft below lsd)	1986		1987		1988	
	Apr. 17	Nov. 20	Apr. 9	Sept. 16	Feb. 24	May 25
0.90	--	--	8.78	--	--	--
1.25	7.70	8.27	8.17	18.99	3.02	13.44
2.25	7.70	8.44	6.92	18.32	3.49	13.42
4.25	7.60	9.69	6.61	17.07	4.42	11.29
6.25	7.60	10.65	6.80	15.90	5.41	9.89
8.25	7.60	11.16	7.00	14.84	5.60	9.10
10.25	7.80	11.31	7.27	13.78	6.64	8.89
12.25	8.10	11.36	7.71	12.72	7.30	8.89
14.25	8.30	11.19	8.10	11.74	7.84	9.00
16.25	8.80	10.87	8.62	10.90	8.28	9.14
18.25	9.00	10.43	8.84	10.34	8.70	9.21
20.25	9.20	10.21	9.17	9.94	8.95	9.35
22.25	9.30	10.08	9.30	9.71	9.05	9.42
24.25	9.40	9.67	9.40	9.61	9.13	9.47
26.25	9.50	9.62	9.47	9.54	9.22	9.52
28.25	9.60	9.58	9.52	9.48	9.24	9.58
30.25	9.60	9.54	9.57	9.46	9.24	9.61
32.25	9.60	9.51	9.58	9.43	9.23	9.63
34.25	9.60	9.49	9.58	9.42	9.21	9.63
36.25	9.60	9.47	9.58	9.40	9.19	9.62
38.25	9.60	9.43	9.56	9.38	9.19	9.62
40.25	9.60	9.42	9.55	9.37	9.18	9.60
42.25	9.60	9.41	9.54	9.36	9.16	9.58
42.75	--	--	9.53	9.36	--	9.58



QUALITY OF GROUND WATER
POWDER MILL PARK (WELLS)

430252077283402. Local number Mo 12 (PM 83-4)--continued

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

CHEMICAL DATA: 1986(a) 1987-88(b).

ORGANIC DATA: OC.--1986(a) 1987-88(b).

NUTRIENT DATA: 1986(a) 1987-88(b).

BIOLOGICAL DATA:

Bacteria.--1986(a) 1987-88(b).

COOPERATION-- Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, NY.

WATER QUALITY DATA, PERIOD JANUARY 1986 TO SEPTEMBER 1986

DATE	TEMPER- ATURE WATER (DEG C)	TUR- BID- ITY (NTU)	TOTAL COLOR (PLAT- INUM COBALT UNITS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	PH (STAND- ARD UNITS)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO ₂)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CACO ₃	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)
JAN 23...	8.0	--	--	480	6.5	--	7.5	71	150	38
APR 17...	--	7.4	5	999	3.7	--	7.6	18	275	--

DATE	RESIDUE VOLA- TILE, SUS- PENDE (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	HARD- NESS TOTAL (MG/L AS CACO ₃)	CALCIUM DIS- SOLVED (MG/L AS CA)
JAN 23...	< 2	0.31	0.40	0.24	0.05	0.005	--	220	--
APR 17...	--	.06	.44	.02	.02	< .005	2.8	430	95

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	COLI- FORM, FECAL, 0.7 UM-MF (COLS/ 100 ML)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	HYDRO- GEN SULFIDE TOTAL (MG/L AS H ₂ S)
JAN 23...	--	22	2.4	59	53	1500	< 2	331	--
APR 17...	46	40	2.2	130	78	220	< 20	616	--

QUALITY OF GROUND WATER
POWDER MILL PARK (WELLS)

430252077283402. Local number Mo 12 (PM 83-4)--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TEMPER- ATURE WATER (DEG C)	TUR- BID- ITY (NTU)	TOTAL COLOR (PLAT- INUM COBALT UNITS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	PH (STAND- ARD UNITS)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO ₂)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CaCO ₃	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)
NOV 20...	9.0	150	7	1020	0.2	--	7.5	17	259	--
APR 09...	--	38	5	1040	.1	12	7.7	13	257	--
SEP 16...	9.0	15	4	1050		< 10	8.0	19	277	--

DATE	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	HARD- NESS TOTAL (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)
NOV 20...	--	0.01	0.88	0.84	0.124	0.008	--	440	100
APR 09...	--	.02	.66	.01	.095	< .005	1.0	440	100
SEP 16...	--	.31	.89	< .01	.040	.002	.6	430	100

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	HYDRO- GEN SULFIDE TOTAL (MG/L AS H ₂ S)
NOV 20...	46	49	2.5	140	94	5400	2	579	< 0.01
APR 09...	46	48	2.6	140	79	1400	< 1	642	< .01
SEP 16...	42	52	2.7	140	81	840	4	458	--

**QUALITY OF GROUND WATER
POWDER MILL PARK (WELLS)**

430252077283402. Local number Mo 12 (PM 83-4)--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	TEMPER- ATURE WATER (DEG C)	TUR- BID- ITY (NTU)	TOTAL COLOR (PLAT- INUM COBALT UNITS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	PH (STAND- ARD UNITS)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO ₂)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CaCO ₃	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)
NOV 23...	--	80	4	1030	< 0.1	< 10	7.3	20	262	680
FEB 25...	8.0	39	--	1040	--	< 10	7.2	15	257	177
MAY 25...	9.0	16	1	1000	.4	12	7.6	14	261	64
SEP 08...	--	4.1	1	1040	< .1	< 10	7.4	20	264	--

DATE	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	HARD- NESS TOTAL (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)
NOV 23...	55	0.09	0.43	< 0.01	0.080	0.003	0.4	400	95
FEB 25...	17	.02	.39	1.5	.030	.002	.3	410	97
MAY 25...	9	.01	.65	< .01	.160	.002	.4	400	98
SEP 08...	--	.06	.40	< .01	.040	.023	.4	410	98

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	HYDRO- GEN SULFIDE TOTAL (MG/L AS H ₂ S)
NOV 23...	40	56	3.0	140	87	5200	< 10	562	< 0.01
FEB 25...	41	57	2.5	140	80	2200	--	614	< .01
MAY 25...	38	58	2.5	140	80	1800	1	590	.01
SEP 08...	39	60	2.9	140	78	400	< 1	591	.3

GROUND-WATER LEVELS
POWDER MILL PARK (WELLS)

430252077283401. Local number Mo 10 (PM 83-1)

LOCATION.--Lat 43°02'52", long 77°28'34", Hydrologic Unit 04140101, next to intermittent stream south of Park Road, northeast of fish hatchery ponds at Powder Mill Park near Bushnell basin. Owner: U.S. Geological Survey

AQUIFER.-- Water-table aquifer in sand of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 48 ft, cased to 28 ft, screened 28 ft to 48 ft. Filled in with silt to a depth of about 19 ft.

INSTRUMENTATION.--Weekly measurement with chalked tape by Powder Mill Park personnel and occasional measurement by USGS and MCEHL.

DATUM.--Elevation of land-surface datum is 448.66 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 0.82 ft above land-surface datum.

REMARKS.--This well is also a water-quality observation well. Water levels are monitored monthly and water samples taken quarterly by the Monroe County Environmental Health Laboratory. Water-temperature profiles are also taken by MCEHL on a quarterly basis.

PERIOD OF RECORD.--December 1983 to September 1988.

EXTREMES FOR WATER YEARS 1984-88.-- Highest and lowest water level measured, in feet below land-surface datum, for each water year:

Water Year	Date	Highest water level	Date	Lowest water level
1984	June 9	7.20	Dec. 16	9.46
1985	Apr. 5	8.03	Aug. 23	10.25
1986	Apr. 17	7.57	Oct. 15	10.01
1987	Apr. 7	8.25	Sept. 16	9.30
1988	Feb. 24	8.74	Sept. 12	10.69

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, PERIOD DECEMBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 9	8.79	FEB 16	8.19	MAY 4	7.53	JUL 27	8.41
16	9.46	MAR 2	8.42	11	7.40	AUG 3	8.59
29	8.16	9	8.38	29	7.34	15	8.58
JAN 4	8.39	23	8.03	JUN 9	7.20	24	8.40
12	8.40	29	8.06	18	7.49	31	8.10
20	8.49	APR 6	7.90	28	7.68	SEP 14	8.00
27	8.51	15	8.00	JUL 6	7.86	21	8.14
FEB 10	8.55	25	7.67	20	8.10		

GROUND-WATER LEVELS
POWDER MILL PARK (WELLS)

430252077283401. Local number Mo 10 (PM 83-1)--continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 12	8.44	JAN 4	8.19	MAR 22	8.20	JUL 5	8.58
19	8.37	11	8.18	29	8.11	19	8.86
26	8.28	18	8.30	APR 5	8.03	26	9.09
NOV 15	8.17	25	8.44	12	8.06	AUG 2	9.54
26	8.38	FEB 1	8.33	MAY 2	8.10	16	10.08
30	8.36	15	8.76	10	8.11	23	10.25
DEC 10	8.54	22	8.80	17	8.18	SEP 1	9.68
14	8.35	MAR 1	8.28	31	8.33	9	9.74
21	8.37	8	8.21	JUN 11	8.38	16	9.91
28	8.38	15	8.19	18	8.34	23	9.78

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	9.95	DEC 13	8.27	FEB 21	7.63	AUG 28	8.95
15	10.01	JAN 3	8.45	28	7.81	SEP 3	8.96
28	9.52	16	8.56	APR 17	7.57	12	9.20
NOV 14	8.76	23	8.04	JUL 19	9.05	18	9.21
29	8.42	FEB 3	7.96	25	9.14	25	9.12
DEC 6	8.28	14	7.86	AUG 19	8.49	30	8.86

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

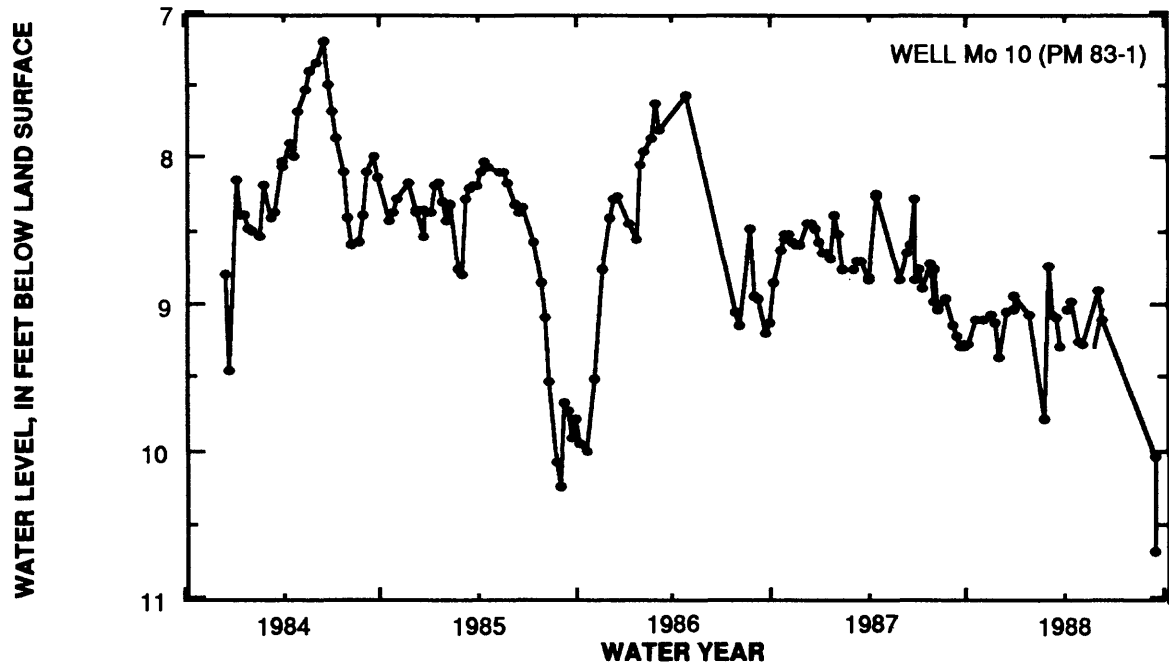
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	8.64	JAN 2	8.65	APR 7	8.25	JUL 22	8.98
17	8.53	9	8.65	9	8.26	27	8.77
24	8.56	16	8.69	MAY 23	8.83	AUG 4	9.04
31	8.53	23	8.39	JUN 4	8.66	12	8.96
NOV 7	8.58	30	8.52	10	8.60	26	9.15
14	8.60	FEB 6	8.76	16	8.29	SEP 2	9.22
20	8.59	27	8.77	21	8.84	9	9.29
DEC 5	8.45	MAR 6	8.71	29	8.77	16	9.30
12	8.45	13	8.71	JUL 6	8.89	17	9.27
19	8.48	23	8.83	18	8.72	26	9.28
26	8.57	27	8.81				

GROUND-WATER LEVELS
POWDER MILL PARK (WELLS)

430252077283401. Local number Mo 10 (PM 83-1)--continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 14	9.11	DEC 18	9.03	MAR 11	9.10	APR 27	9.27
22	9.11	23	8.95	18	9.29	MAY 25	8.90
NOV 5	9.07	JAN 15	9.07	30	9.03	JUN 1	9.11
17	9.13	FEB 19	9.78	APR 6	8.99	SEP 7	10.05
24	9.36	24	8.74	19	9.25	12	10.69
DEC 4	9.06	MAR 2	9.07				

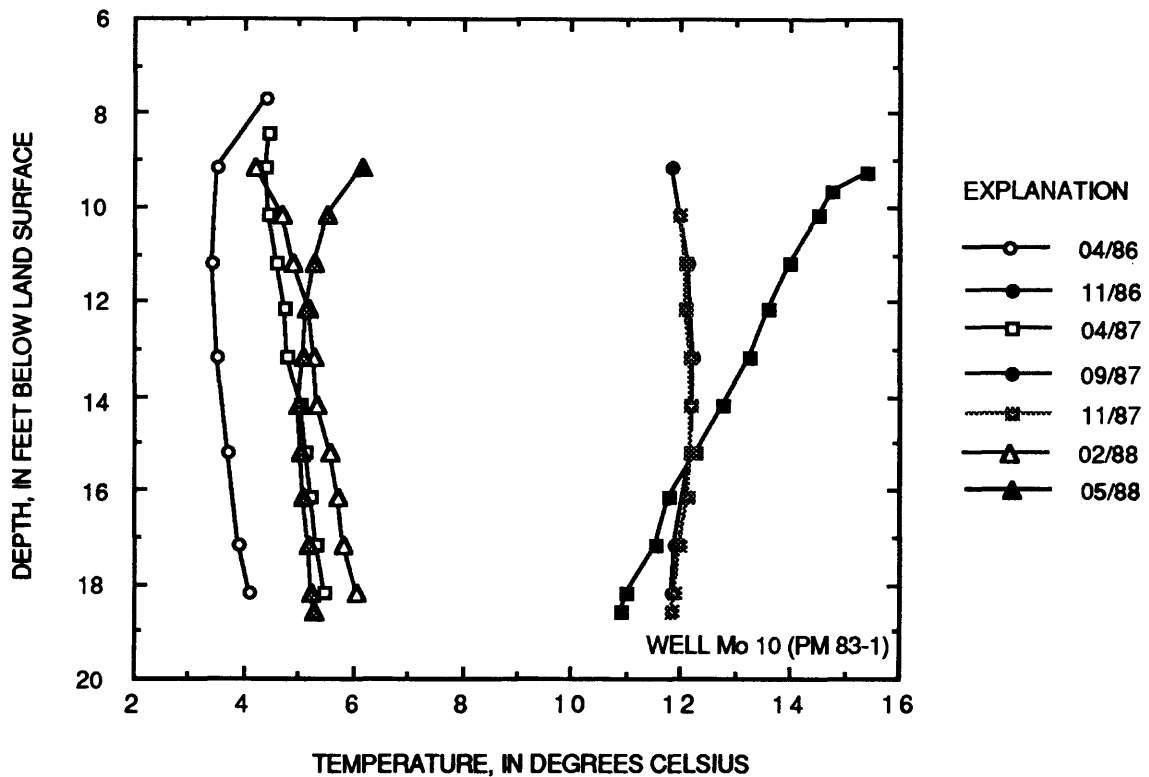


WATER-TEMPERATURE PROFILES
POWDER MILL PARK (WELLS)

430252077283401. Local number Mo 10 (PM 83-1)--continued

Water Temperature in C°

Depth (ft below lsd)	1986		1987			1988	
	Apr. 17	Nov. 20	Apr. 9	Sept. 16	Nov. 24	Feb. 24	May 25
7.68	4.4	--	--	--	--	--	--
8.43	--	--	4.46	--	--	--	--
9.18	3.5	11.85	4.39	--	--	4.22	6.18
9.28	--	--	--	15.39	--	--	--
9.68	--	--	--	14.78	--	--	--
10.18	--	--	4.44	14.55	11.98	4.71	5.52
11.18	3.4	12.12	4.58	13.99	12.07	4.88	5.26
12.18	--	--	4.72	13.58	12.10	5.18	5.12
13.18	3.5	12.22	4.78	13.25	12.16	5.30	5.06
14.18	--	--	5.04	12.78	12.20	5.32	4.98
15.18	3.7	12.18	5.11	12.30	12.20	5.58	5.05
16.18	--	--	5.22	11.81	12.12	5.74	5.09
17.18	3.9	11.90	5.32	11.53	11.99	5.82	5.16
18.18	4.1	11.85	5.49	11.01	11.88	6.04	5.24
18.58	--	--	--	10.93	11.83	--	5.28



QUALITY OF GROUND WATER
POWDER MILL PARK (WELLS)

430252077283401. Local number Mo 10 (PM 83-1)--continued

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

CHEMICAL DATA: 1986(a) 1987-88(b).

ORGANIC DATA: OC.--1986(a) 1987-88(b).

NUTRIENT DATA: 1986(a) 1987-88(b).

BIOLOGICAL DATA:

Bacteria.--1986(a) 1987-88(b).

COOPERATION-- Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, NY.

WATER QUALITY DATA, PERIOD JANUARY 1986 TO SEPTEMBER 1986

DATE	TEMPER- ATURE WATER (DEG C)	TUR- BID- ITY (NTU)	TOTAL COLOR (PLAT- INUM COBALT UNITS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	PH (STAND- ARD UNITS)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO ₂)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CaCO ₃	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)
JAN 23...	--	--	--	790	--	--	7.7	--	244	84
APR 18...	5.5	40	7	825	3.0	< 10	7.7	9.8	270	--

DATE	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	HARD- NESS TOTAL (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)
JAN 23...	< 5	0.090	0.60	0.76	0.020	0.009	--	290	70
APR 18...	--	.020	.68	.30	.070	< .005	1.4	280	64

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	HYDRO- GEN SULFIDE TOTAL (MG/L AS H ₂ S)
JAN 23...	28	59	2.5	95	36	6300	< 10	470	--
APR 18...	28	63	1.7	100	32	3000	< 1	490	--

QUALITY OF GROUND WATER

POWDER MILL PARK (WELLS)

430252077283401. Local number Mo 10 (PM 83-1)--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TEMPER- ATURE WATER (DEG C)	TUR- BID- ITY (NTU)	TOTAL COLOR (PLAT- INUM COBALT UNITS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	PH (STAND- ARD UNITS)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO ₂)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CaCO ₃	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)
NOV 21...	--	65	--	834	--	--	7.5	--	247	--
APR 09...	--	16	6	801	--	--	7.7	9.9	246	--
SEP 18...	11.0	12	3	972	--	16	8.0	11	308	--

DATE	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	HARD- NESS TOTAL (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)
NOV 21...	--	0.14	0.87	0.27	0.144	< 0.005	2.0	300	73
APR 09...	--	.02	.74	.76	.220	< .005	1.6	270	67
SEP 18...	--	.11	1.1	.60	.040	.005	1.4	340	84

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	HYDRO- GEN SULFIDE TOTAL (MG/L AS H ₂ S)
NOV 21...	28	65	2.4	110	40	4500	--	463	--
APR 09...	25	57	2.1	100	49	1500	< 1	502	< 0.01
SEP 18...	31	71	2.4	120	39	950	< 2	507	--

QUALITY OF GROUND WATER
POWDER MILL PARK (WELLS)

430252077283401. Local number Mo 10 (PM 83-1)--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	TEMPER- ATURE WATER (DEG C)	TUR- BID- ITY (NTU)	TOTAL COLOR (PLAT- INUM COBALT UNITS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	PH (STAND- ARD UNITS)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO ₂)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CaCO ₃	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)
NOV 23...	--	780	8	--	--	19	7.6	31	379	--
FEB 25...	4.5	180	--	1320	--	< 10	7.5	--	390	89
MAY 26...	6.5	--	2	1350	--	12	7.6	28	411	96
SEP 08...	12.0	11	1	1570	--	< 10	7.5	--	418	--

DATE	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	HARD- NESS TOTAL (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)
NOV 23...	--	0.10	1.7	1.2	1.77	0.004	3.5	440	110
FEB 25...	7	< .01	.50	1.5	.040	.003	2.7	500	120
MAY 26...	11	< .01	.81	2.1	.115	.008	2.2	500	130
SEP 08...	--	.052	.57	.95	.045	.014	2.0	570	140

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	HYDRO- GEN SULFIDE TOTAL (MG/L AS H ₂ S)
NOV 23...	42	83	3.6	150	62	39000	< 10	818	--
FEB 25...	48	94	3.2	170	60	330	< 1	750	--
MAY 26...	46	110	3.2	190	60	800	--	790	0.01
SEP 08...	56	110	3.6	260	43	610	< 1	889	--

GROUND-WATER LEVELS
POWDER MILL PARK (WELLS)

430252077283402. Local number Mo 11 (PM 83-2)

LOCATION.--Lat 43°02'52", long 77°28'34", Hydrologic Unit 04140101, next to intermittent stream south of Park Road, northeast of fish hatchery ponds at Powder Mill Park near Bushnell basin. Owner: U.S. Geological Survey.

AQUIFER.--Water-table aquifer in sand of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 16 ft, cased to 6 ft, screened 6 ft to 16 ft.

INSTRUMENTATION.--Weekly measurement with chalked tape by Powder Mill Park personnel and occasional measurement by USGS and MCEHL.

DATUM.--Elevation of land-surface datum is 448.66 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 0.88 ft above land-surface datum.

REMARKS.--This well is also a water-quality observation well. Water levels are monitored monthly and water samples taken quarterly by the Monroe County Environmental Health Laboratory. Water-temperature profiles are also taken by MCEHL on a quarterly basis.

PERIOD OF RECORD.--December 1983 to September 1988.

EXTREMES FOR WATER YEARS 1984-88.--Highest and lowest water level measured, in feet below land-surface datum, for each water year:

Water Year	Date	Highest water level	Date	Lowest water level
1984	June 9	7.25	Dec. 16	9.03
1985	Apr. 5	7.87	Sept. 23	10.18
1986	Apr. 17	7.31	Oct. 3	10.16
1987	Apr. 7	8.13	Sept. 16	9.40
1988	Apr. 19	8.70	Sept. 12	10.42

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, PERIOD DECEMBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 9	8.79	FEB 16	8.12	MAY 4	7.33	JUL 27	8.66
16	9.03	MAR 2	8.73	11	7.29	AUG 3	8.76
29	8.43	9	8.39	29	7.28	15	8.48
JAN 4	8.50	23	8.04	JUN 9	7.25	24	8.34
12	8.56	29	8.04	18	7.47	31	8.08
20	8.63	APR 6	7.66	28	7.78	SEP 14	8.08
27	8.52	15	7.99	JUL 6	7.92	21	8.18
FEB 10	8.74	25	7.47	20	8.34		

**GROUND-WATER LEVELS
POWDER MILL PARK (WELLS)**

430252077283402. Local number Mo 11 (PM 83-2)--continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 12	8.49	JAN 4	8.03	MAR 22	8.12	JUL 5	8.73
19	8.32	11	8.22	29	8.08	19	9.09
26	8.25	18	8.46	APR 5	7.87	26	9.35
NOV 15	8.35	25	8.59	12	8.07	AUG 2	9.18
26	8.47	FEB 1	8.79	MAY 2	8.09	16	9.64
30	8.42	15	8.79	10	8.14	23	9.84
DEC 10	8.31	22	8.91	17	8.21	SEP 1	9.66
14	8.37	MAR 1	8.20	31	8.30	9	9.75
21	8.42	8	8.11	JUN 11	8.33	16	9.15
28	8.31	15	8.03	18	8.34	23	10.18

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	10.16	DEC 13	8.23	FEB 21	7.57	AUG 28	8.71
15	10.03	JAN 3	8.63	28	7.79	SEP 3	9.00
28	9.64	16	8.56	APR 17	7.31	12	9.26
NOV 14	8.69	23	7.89	JUL 19	9.11	18	9.34
29	8.38	FEB 3	7.77	25	9.23	25	9.25
DEC 6	8.27	14	7.96	AUG 19	8.50	30	8.74

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

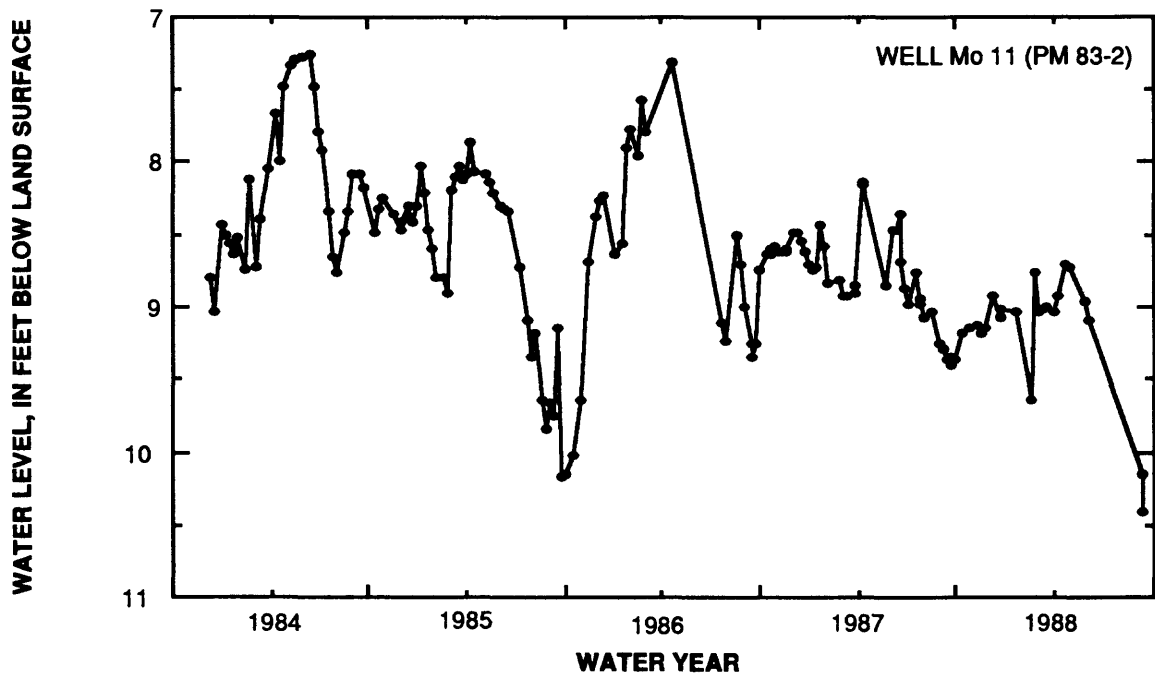
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	8.64	DEC 26	8.62	MAR 27	8.85	JUL 22	8.99
17	8.59	JAN 2	8.70	APR 7	8.13	27	8.95
24	8.63	9	8.74	9	8.16	AUG 4	9.07
31	8.57	16	8.73	MAY 23	8.85	12	9.03
NOV 7	8.62	23	8.43	JUN 4	8.47	26	9.26
14	8.62	30	8.57	10	8.47	SEP 2	9.29
20	8.62	FEB 6	8.83	16	8.36	9	9.37
21	8.59	27	8.81	21	8.68	16	9.40
DEC 5	8.49	MAR 6	8.92	29	8.88	17	9.34
12	8.49	13	8.92	JUL 6	8.99	26	9.36
19	8.55	23	8.90	18	8.77		

GROUND-WATER LEVELS
POWDER MILL PARK (WELLS)

430252077283402. Local number Mo 11 (PM 83-2)--continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 14	9.19	DEC 4	8.93	MAR 2	9.03	APR 27	8.73
22	9.15	18	9.07	11	9.02	MAY 25	8.97
NOV 5	9.13	23	9.02	18	9.00	JUN 1	9.09
17	9.18	JAN 15	9.03	30	9.03	SEP 7	10.15
24	9.22	FEB 19	9.65	APR 6	8.93	12	10.42
25	9.15	24	8.77	19	8.70		

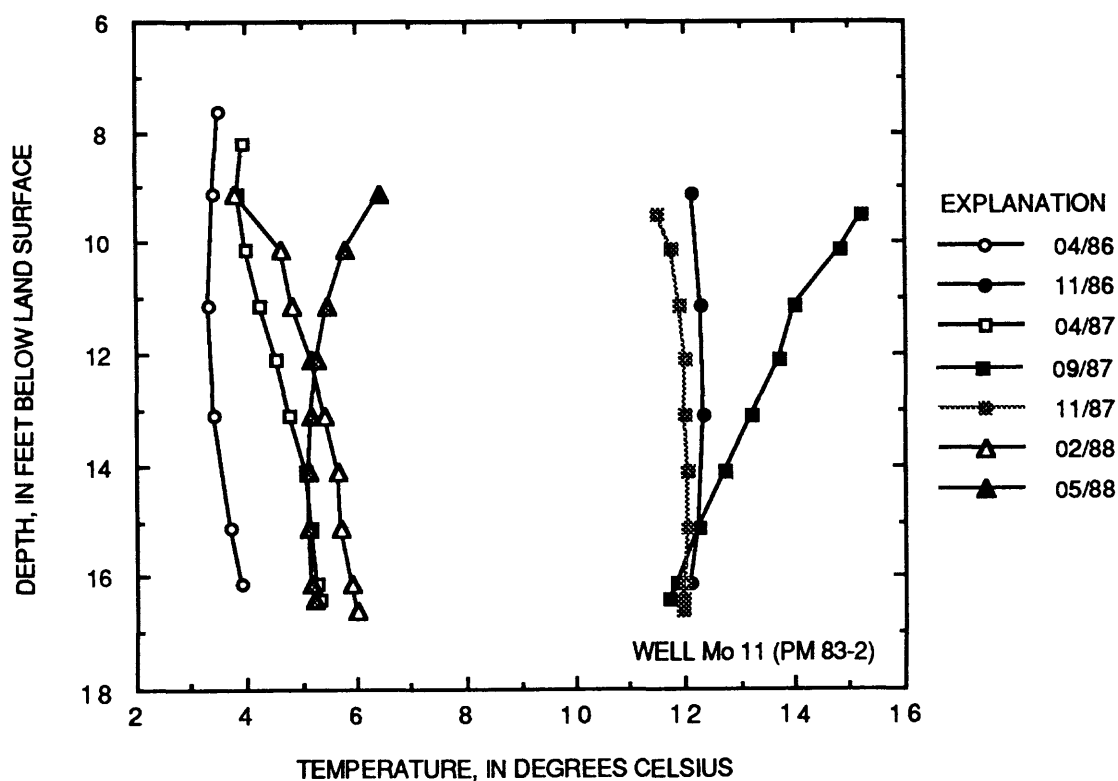


WATER-TEMPERATURE PROFILES
POWDER MILL PARK (WELLS)

430252077283402. Local number Mo 11 (PM 83-2)--continued

Water Temperature in C*

Depth (ft below lsd)	1986		1987			1988	
	Apr. 17	Nov. 20	Apr. 9	Sept. 16	Nov. 24	Feb. 24	May 25
7.62	3.5	--	--	--	--	--	--
8.22	--	--	3.96	--	--	--	--
9.12	3.4	12.14	3.87	--	--	3.82	6.45
9.52	--	--	--	15.21	11.51	--	--
10.12	--	--	3.99	14.84	11.77	4.62	5.80
11.12	3.3	12.28	4.22	14.02	11.89	4.84	5.47
12.12	--	--	4.56	13.71	11.98	5.18	5.26
13.12	3.4	12.32	4.78	13.20	12.02	5.42	5.15
14.12	--	--	5.07	12.73	12.03	5.66	5.11
15.12	3.7	12.23	5.16	12.24	12.04	5.72	5.12
16.12	3.9	12.12	5.29	11.84	11.99	5.90	5.16
16.42	--	--	5.33	11.73	11.96	--	5.20
16.62	--	--	--	--	11.95	6.00	--



QUALITY OF GROUND WATER
POWDER MILL PARK (WELLS)

430252077283402. Local number Mo 11 (PM 83-2)--continued

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

CHEMICAL DATA: 1986(a) 1987-88(b).

ORGANIC DATA: OC.--1986(a) 1987-88(b).

NUTRIENT DATA: 1986(a) 1987-88(b).

BIOLOGICAL DATA:

Bacteria.--1986(a) 1987-88(b).

COOPERATION-- Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, NY.

WATER QUALITY DATA, PERIOD JANUARY 1986 TO SEPTEMBER 1986

DATE	TEMPER- ATURE WATER (DEG C)	TUR- BID- ITY (NTU)	TOTAL COLOR (PLAT- INUM COBALT UNITS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	PH (STAND- ARD UNITS)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO ₂)	ALKA- LINTY WAT WH TOT FET FIELD MG/L AS CaCO ₃	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)
JAN 23...	5.5	--	--	830	9.0	--	7.6	15	247	22
APR 17...	--	8.7	5	842	7.4	15	7.7	13	264	--

DATE	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	HARD- NESS TOTAL (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)
JAN 23...	< 2	0.02	0.30	1.5	0.070	0.008	--	330	78
APR 17...	--	< .01	.32	1.3	.030	< .005	1.2	300	71

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	HYDRO- GEN SULFIDE TOTAL (MG/L AS H ₂ S)
JAN 23...	32	48	1.5	93	33	2700	< 10	476	--
APR 17...	30	58	1.6	110	34	560	< 2	488	--

QUALITY OF GROUND WATER
POWDER MILL PARK (WELLS)

430252077283402. Local number Mo 11 (PM 83-2)--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TEMPER- ATURE WATER (DEG C)	TUR- BID- ITY (NTU)	TOTAL COLOR (PLAT- INUM COBALT UNITS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	PH (STAND- ARD UNITS)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO ₂)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CaCO ₃	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)
NOV 20...	11.5	34	12	770	0.7	--	7.3	16	242	--
APR 09...	--	29	15	808	7.4	30	7.7	15	250	--
SEP 16...	10.5	20	15	832	.7	< 10	8.1	13	259	--

DATE	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	HARD- NESS TOTAL (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)
NOV 20...	--	< 0.01	0.79	0.90	0.095	0.009	1.9	270	68
APR 09...	--	.03	.64	1.7	.105	.006	1.2	320	77
SEP 16...	--	< .01	.40	.88	.085	.010	1.1	260	66

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	HYDRO- GEN SULFIDE TOTAL (MG/L AS H ₂ S)
NOV 20...	25	51	2.2	93	27	2700	2	432	< 0.01
APR 09...	30	50	1.9	92	29	450	< 1	513	< .01
SEP 16...	24	69	2.5	100	23	870	< 2	484	--

QUALITY OF GROUND WATER
POWDER MILL PARK (WELLS)

430252077283402. Local number Mo 11 (PM 83-2)--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	TEMPER- ATURE WATER (DEG C)	TUR- BID- ITY (NTU)	TOTAL COLOR (PLAT- INUM COBALT UNITS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	PH (STAND- ARD UNITS)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO ₂)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CaCO ₃	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)
NOV 24...	11.5	25	6	763	0.4	< 10	7.5	17	246	193
FEB 25...	6.0	17	--	841	--	< 10	7.4	3.0	231	--
MAY 25...	6.5	13	2	931	8.9	< 10	7.8	8.7	--	170
SEP 08...	11.5	3.9	1	902	3.7	< 10	7.6	15	243	--

DATE	RESIDUE VOLA- TILE, SUS- PENDE (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	HARD- NESS TOTAL (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS CA)
NOV 24...	7	< 0.01	0.27	0.42	0.090	0.011	1.2	250	61
FEB 25...	--	< .01	.23	1.6	.090	.007	1.0	320	79
MAY 25...	20	< .01	.54	--	.095	.009	1.1	330	83
SEP 08...	--	< .01	.26	1.4	.025	.008	.7	290	75

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	HYDRO- GEN SULFIDE TOTAL (MG/L AS H ₂ S)
NOV 24...	23	63	2.9	90	23	2400	< 10	444	< 0.01
FEB 25...	29	53	2.1	120	27	1300	< 1	476	< .01
MAY 25...	29	--	--	--	--	1200	< 1	522	.01
SEP 08...	26	73	2.6	120	31	530	< 1	504	< .01

GROUND-WATER LEVELS

ELLISON PARK

430855077304201. Local number Mo 1 (El 84-1)

LOCATION.--Lat 43°08'55", long 77°30'42", Hydrologic Unit 04140101, near east valley wall north of Blossom Road, in Ellison Park. Owner: U.S. Geological Survey.

AQUIFER.--Water-table aquifer in alluvium of Holocene age.

WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 26.5 ft, cased to 23.5 ft, screened 23.5 ft to 26.5 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by Monroe County Environmental Health Laboratory personnel and occasional measurement by USGS personnel.

DATUM.--Elevation of land-surface datum is 252.60 ft above National Geodetic Vertical Datum of 1929. Measuring point: arrow at top of casing, 3.26 ft above land-surface datum.

REMARKS.--Water level may be affected by stage of Irondequoit Creek. This well is also a water-quality observation well. Water levels are monitored monthly and water samples taken quarterly by the Monroe County Environmental Health Laboratory. Water-temperature profiles are also taken by MCEHL on a quarterly basis.

PERIOD OF RECORD.--September 1984 to current year.

EXTREMES FOR WATER YEARS 1985-88.--Highest and lowest water level measured, in feet below land-surface datum, for each water year:

Water Year	Date	Highest water level	Date	Lowest water level
1985	Feb. 27	-0.48	Aug. 28	1.46
1986	Apr. 17	-0.72	Oct. 21	1.34
1987	Apr. 9	-0.80	Aug. 26	1.31
1988	Apr. 1	0.36	June 1	1.46

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	0.94	DEC 3	0.92	MAR 8	-0.07	APR 26	0.46
4	.97	12	.96	13	-.43	JUN 3	.97
5	1.17	FEB 19	.95	26	.42	17	.79
9	1.17	24	-.14	APR 4	-.14	AUG 28	1.46
10	1.20	27	-.48	5	-.19	SEP 18	1.36
NOV 9	1.20	MAR 1	-.33				

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	1.34	DEC 11	0.46	FEB 5	0.12	APR 17	-0.72
NOV 15	.23	13	.34	MAR 12	.08	30	.22
20	.22	JAN 22	-.52				

GROUND-WATER LEVELS

ELLISON PARK

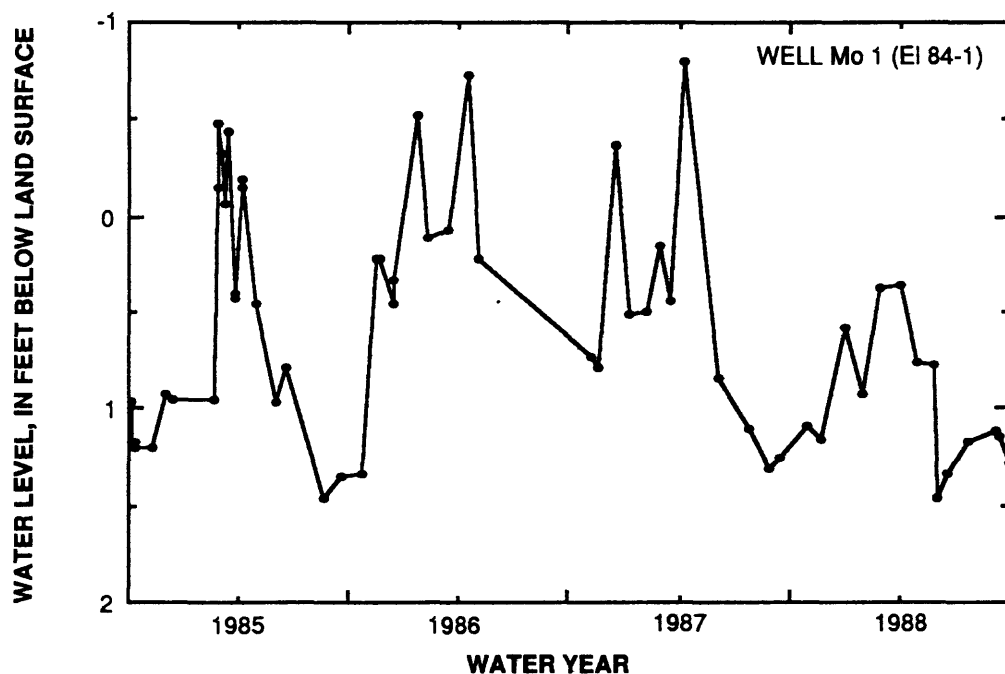
430855077304201. Local number Mo 1 (El 84-1)--continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 7	0.74	JAN 5	0.51	MAR 16	0.44	JUL 27	1.11
20	.79	FEB 2	.50	APR 9	-.80	AUG 26	1.31
DEC 12	-.37	MAR 2	.15	JUN 5	.85	SEP 16	1.26

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	1.09	FEB 24	0.38	JUN 1	1.46	SEP 7	1.12
NOV 23	1.16	APR 1	.36	17	1.34	12	1.14
DEC 31	.58	27	.76	JUL 21	1.18	27	1.28
JAN 29	.92	MAY 25	.78				



WATER-TEMPERATURE PROFILES

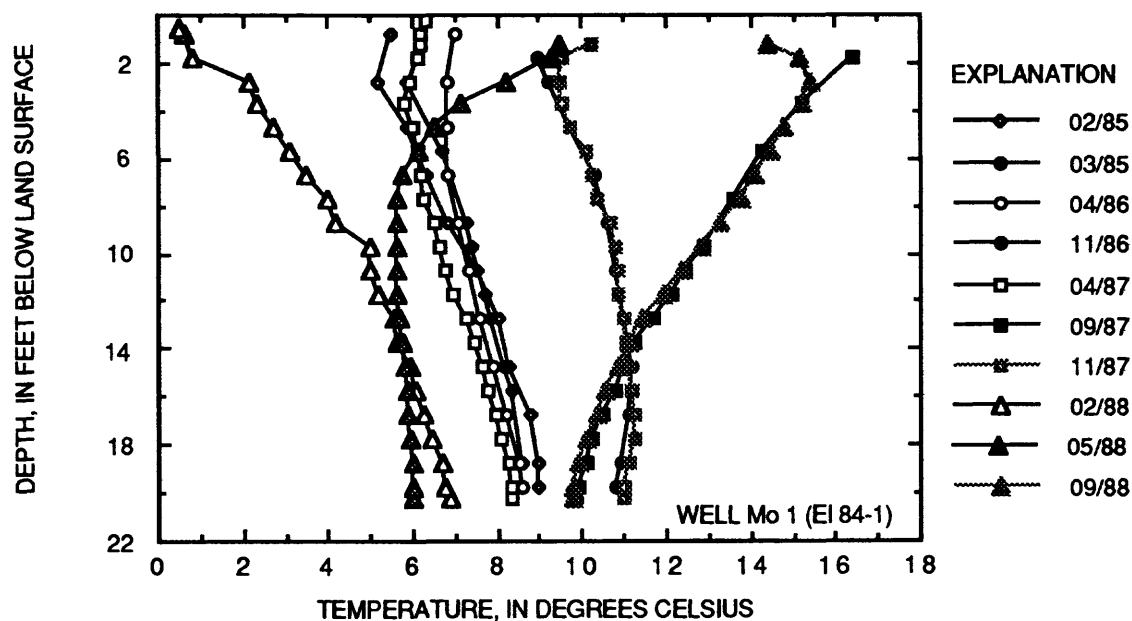
ELLISON PARK

430855077304201. Local number Mo 1 (El 84-1)--continued

Water Temperature in C°

Depth (ft below lsd)	1985		1986		1987			1988		
	Feb. 24	*Mar. 26	Apr. 17	Nov. 20	Apr. 9	Sept. 16	Nov. 23	Feb. 24	May 25	Sept. 7
0.24	--	--	--	--	6.29	--	--	--	--	--
54	--	--	--	--	--	--	--	0.51	--	--
.74	5.5	--	7.0	--	6.20	--	--	.62	--	--
1.24	--	--	--	--	6.17	--	10.20	--	9.46	14.48
1.74	--	--	--	9.00	6.11	16.40	9.54	.79	9.27	15.14
2.74	5.2	5.9	6.8	9.20	5.91	--	9.47	2.12	8.21	15.40
3.74	--	--	--	--	5.82	15.22	9.56	2.34	7.15	15.19
4.74	5.9	--	6.8	9.70	6.01	--	9.75	2.73	6.52	14.80
5.74	--	6.7	--	--	6.10	14.29	10.08	3.10	6.10	14.46
6.74	6.3	--	6.8	10.30	6.21	--	10.24	3.48	5.77	14.10
7.74	--	--	--	--	6.24	13.57	10.33	3.97	5.63	13.78
8.74	6.8	7.2	7.1	10.60	6.51	--	10.67	4.15	5.63	13.29
9.74	--	--	--	--	6.63	12.89	10.77	5.00	5.63	12.84
10.74	7.5	--	7.3	10.80	6.73	12.42	10.84	5.01	5.63	12.35
11.74	--	7.7	--	--	6.95	12.13	10.89	5.16	5.62	11.92
12.74	8.0	7.9	7.6	11.00	7.24	11.67	10.98	5.58	5.70	11.44
13.74	--	--	--	--	7.44	11.27	11.08	5.60	5.72	11.14
14.74	8.3	--	7.9	11.20	7.62	11.01	11.14	5.96	5.80	10.87
15.74	--	8.3	--	--	7.75	10.79	11.20	6.08	5.85	10.54
16.74	8.8	--	8.2	11.10	7.93	10.46	11.22	6.25	5.90	10.33
17.74	--	--	--	--	8.10	10.23	11.22	6.42	5.95	10.10
18.74	9.0	8.6	8.5	10.90	8.26	10.10	11.13	6.68	5.98	9.89
19.74	9.0	--	8.6	10.80	8.31	9.89	11.00	6.76	5.99	9.81
20.24	--	--	--	--	8.35	9.85	11.00	6.90	6.01	9.76

* Temperatures published for this date were interpolated from readings taken at 1-meter intervals.



QUALITY OF GROUND WATER

ELLISON PARK

430855077304201. Local number Mo 1 (El 84-1)--continued

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

CHEMICAL DATA: 1986(a) 1987-88(b).

ORGANIC DATA: OC.--1986(a) 1987-88(b).

NUTRIENT DATA: 1986(a) 1987-88(b).

BIOLOGICAL DATA:

Bacteria.--1986(a) 1987-88(b).

COOPERATION-- Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, NY.

WATER QUALITY DATA, PERIOD JANUARY 1986 TO SEPTEMBER 1986

DATE	TEMPER- ATURE WATER (DEG C)	TUR- BID- ITY (NTU)	TOTAL COLOR (PLAT- INUM COBALT UNITS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	PH (STAND- ARD UNITS)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO ₂)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CaCO ₃	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)
JAN 22...	--	65	5	1760	4.0	12	7.4	24	313	190
APR 17...	8.0	20	7	1780	3.4	11	7.6	27	329	--

DATE	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	HARD- NESS TOTAL (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)
JAN 22...	7	0.04	0.60	2.8	0.080	0.008	--	460	110
APR 17...	--	.02	.55	2.9	.050	< .005	1.4	490	130

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	HYDRO- GEN SULFIDE TOTAL (MG/L AS H ₂ S)
JAN 22...	44	180	3.4	340	100	1000	< 2	1020	0.0
APR 17...	41	180	2.6	340	80	1000	< 1	952	--

QUALITY OF GROUND WATER

ELLISON PARK

430855077304201. Local number Mo 1 (El 84-1)--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TEMPER- ATURE WATER (DEG C)	TUR- BID- ITY (NTU)	TOTAL COLOR (PLAT- INUM COBALT UNITS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	PH (STAND- ARD UNITS)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO ₂)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CaCO ₃	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)
NOV 20...	10.0	80	--	1700	2.4	--	7.3	27	306	--
APR 09...	--	39	9	1740	2.6	18	7.5	23	302	--
SEP 16...	--	36	6	1760	2.6	13	6.9	27	296	--

DATE	RESIDUE VOLA- TILE, SUS- PENDE (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	HARD- NESS TOTAL (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)
NOV 20...	--	0.02	1.5	2.2	0.119	0.005	3.1	490	130
APR 09...	--	< .01	.83	2.2	.125	.005	3.0	500	130
SEP 16...	--	.02	.80	2.3	.075	.010	1.3	470	130

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	HYDRO- GEN SULFIDE TOTAL (MG/L AS H ₂ S)
NOV 20...	41	150	3.9	340	95	3500	--	942	0.0
APR 09...	42	170	3.7	340	110	2400	< 1	1000	.0
SEP 16...	37	180	3.4	330	98	1500	< 2	996	--

QUALITY OF GROUND WATER

ELLISON PARK

430855077304201. Local number Mo 1 (El 84-1)--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	TEMPER- ATURE WATER (DEG C)	TUR- BID- ITY (NTU)	TOTAL COLOR (PLAT- INUM COBALT UNITS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	PH (STAND- ARD UNITS)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO ₂)	ALKA- LINTY WAT WH TOT FET FIELD MG/L AS CaCO ₃	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)
NOV 23...	--	50	4	1720	4.2	< 10	7.3	32	301	44
FEB 25...	5.0	40	--	1740	--	< 10	7.2	23	298	53
MAY 25...	--	45	4	1630	5.1	< 10	7.6	21	297	52
SEP 07...	--	55	2	1720	--	< 10	7.3	28	309	--

DATE	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	HARD- NESS TOTAL (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)
NOV 23...	16	0.01	0.40	2.8	0.165	0.009	1.4	460	120
FEB 25...	--	.01	.40	2.1	.050	.007	1.2	460	130
MAY 25...	6	< .01	.48	2.2	.120	.006	.9	460	130
SEP 07...	--	< .01	.35	1.9	.050	.006	0.8	460	120

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	HYDRO- GEN SULFIDE TOTAL (MG/L AS H ₂ S)
NOV 23...	37	180	4.5	340	92	3500	< 2	946	0.0
FEB 25...	36	170	3.2	340	87	1900	< 1	982	.0
MAY 25...	35	220	4.0	340	77	2000	4	924	.0
SEP 07...	36	180	3.2	340	82	3400	2	980	.0

GROUND-WATER LEVELS

ELLISON PARK

430855077304202. Local number Mo 2 (El 84-2)

LOCATION.--Lat 43°08'55", long 77°30'42", Hydrologic Unit 04140101, near east valley wall, north of Blossom Road, in Ellison Park. Owner: U.S. Geological Survey.

AQUIFER.--Water-table aquifer in coarse sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 45 ft, cased to 41 ft, screened 41 to 45 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by Monroe County Environmental Health Laboratory personnel and occasional measurements by USGS personnel.

DATUM.--Elevation of land-surface datum is 252.60 ft above National Geodetic Vertical Datum of 1929. Measuring point: arrow at top of casing, 4.08 ft above land-surface datum.

REMARKS.--This well is also a water-quality observation well. Water levels are monitored monthly and water samples taken quarterly by the Monroe County Environmental Health Laboratory. Water-temperature profiles are also taken by MCEHL on a quarterly basis.

PERIOD OF RECORD.--September 1984 to current year.

EXTREMES FOR WATER YEARS 1985-88.--Highest and lowest water level measured, in feet below land-surface datum, for each water year:

Water Year	Date	Highest water level	Date	Lowest water level
1985	Feb. 27	-1.12	Aug. 21	1.40
1986	Apr. 17	-.84	Oct. 21	1.32
1987	Apr. 9	-.82	Aug. 26	1.28
1988	Apr. 1	.36	June 1	1.49

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	0.96	DEC 3	0.89	MAR 8	0.01	APR 26	0.44
4	1.09	12	.92	13	-.46	JUN 3	.94
5	1.15	FEB 19	.93	26	.46	17	.76
9	1.13	24	-.26	APR 4	-.21	AUG 21	1.40
10	1.20	27	-1.12	5	-.18	SEP 18	1.37
NOV 9	1.16	MAR 1	-.35				

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	1.32	DEC 11	0.46	FEB 5	0.03	APR 17	-0.84
NOV 15	.24	13	.32	MAR 12	.10	30	.22
20	.20	JAN 22	-.61				

GROUND-WATER LEVELS

ELLISON PARK

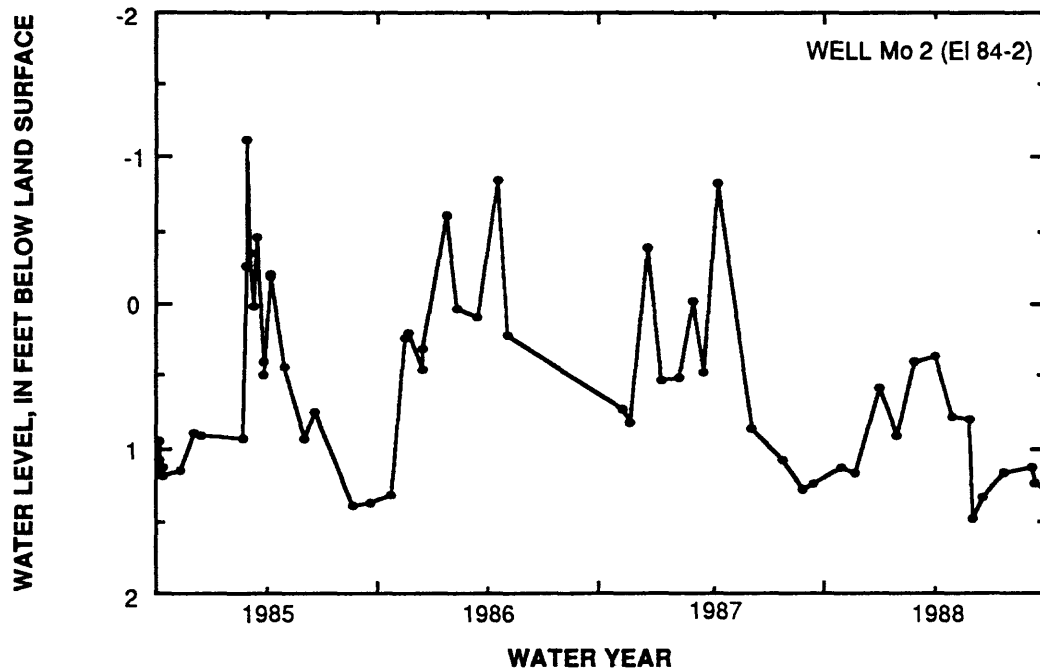
430855077304202. Local number Mo 2 (El 84-2)--continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 7	0.74	JAN 5	0.54	MAR 16	0.48	JUL 27	1.08
20	.83	FEB 2	.51	APR 9	-.82	AUG 26	1.28
DEC 12	-.38	MAR 2	-.02	JUN 5	.86	SEP 16	1.25

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	1.13	FEB 24	0.40	JUN 1	1.49	SEP 7	1.14
NOV 23	1.17	APR 1	.36	17	1.34	12	1.24
DEC 31	.58	27	.78	JUL 21	1.18	27	1.28
JAN 29	.92	MAY 25	.80				



WATER-TEMPERATURE PROFILES

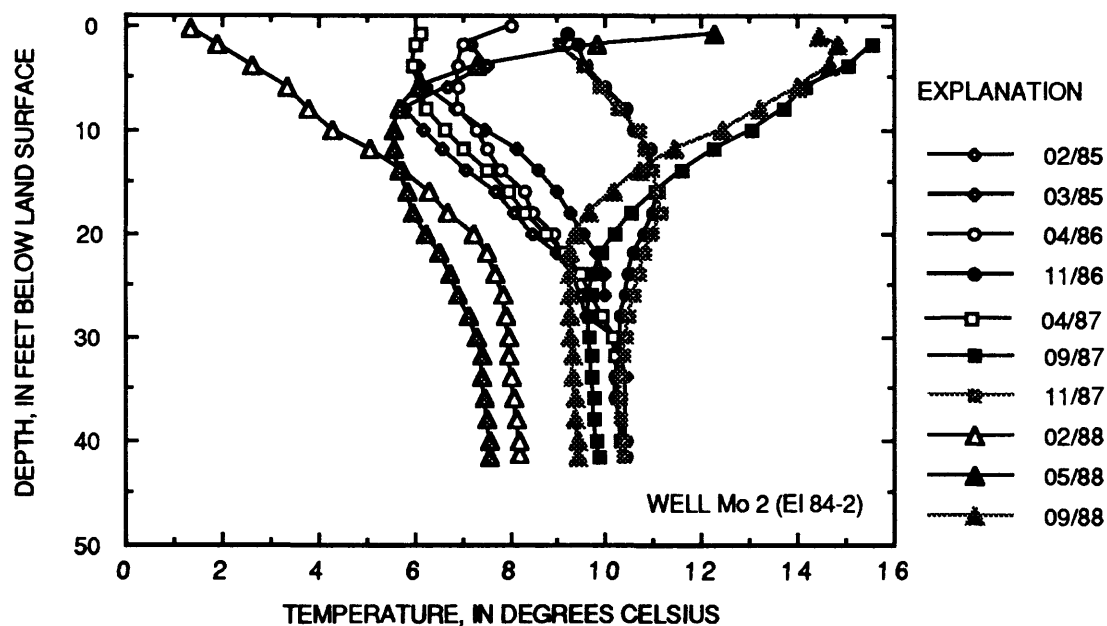
ELLISON PARK

430855077304202. Local number Mo 2 (El 84-2)--continued

Water Temperature in C°

Depth (ft below lsd)	1985		1986		1987		1988		
	Feb. 24	*Mar. 26	Apr. 17	Nov. 20	Apr. 9	Sept. 16	Feb. 24	May 25	Sept. 7
-0.80	--	--	8.00	--	--	--	--	--	--
.40	--	--	--	--	--	--	1.32	--	--
.92	--	--	--	9.20	6.11	--	--	12.27	--
1.14	--	--	--	--	--	--	--	--	14.42
1.92	7.20	--	7.00	9.40	6.04	15.53	1.92	9.81	14.81
3.92	7.50	6.09	6.90	9.60	5.99	15.04	2.61	7.30	14.64
5.92	6.70	6.25	6.90	10.00	6.11	14.18	3.34	6.10	13.97
7.92	5.80	6.86	6.90	10.40	6.27	13.70	3.81	5.67	13.22
9.92	6.20	7.49	7.30	10.60	6.65	13.02	4.28	5.57	12.42
11.92	6.60	8.16	7.50	10.90	7.02	12.24	5.06	5.58	11.44
13.92	7.10	8.59	7.80	11.00	7.52	11.59	5.72	5.69	10.72
15.92	7.70	8.95	8.30	11.10	7.99	11.02	6.30	5.83	10.15
17.92	8.10	9.25	8.50	11.00	8.33	10.52	6.68	5.99	9.64
19.92	8.50	9.53	8.90	10.80	8.77	10.20	7.27	6.24	9.37
21.92	9.00	9.80	9.10	10.60	9.17	9.94	7.51	6.50	9.25
23.92	9.30	10.00	9.50	10.50	9.46	9.76	7.69	6.72	9.23
25.92	9.50	10.00	9.70	10.40	9.70	9.62	7.86	6.90	9.24
27.92	9.60	--	9.90	10.30	9.94	9.62	7.90	7.11	9.25
29.92	10.20	--	10.20	10.30	10.14	9.65	7.97	7.29	9.27
31.92	10.30	--	10.20	10.30	10.22	9.68	7.99	7.41	9.30
33.92	10.40	--	10.30	10.20	10.25	9.71	8.02	7.42	9.32
35.92	--	--	10.30	10.20	10.28	9.74	8.06	7.46	9.34
37.92	--	--	10.30	10.30	10.31	9.78	8.15	7.51	9.37
39.92	--	--	10.40	10.30	10.34	9.80	8.17	7.57	9.40
41.22	--	--	--	--	--	--	8.19	--	--
41.52	10.40	--	10.40	--	10.36	9.84	--	7.60	9.43

* Temperatures published for this date were interpolated from readings taken at 1-meter intervals.



QUALITY OF GROUND WATER

ELLISON PARK

430855077304202. Local number Mo 2 (El 84-2)--continued

PERIOD OF RECORD-- January 1986 to current year.

CHEMICAL DATA: 1986(a) 1987-88(b).

ORGANIC DATA: OC--1986(a) 1987-88(b).

NUTRIENT DATA: 1986(a) 1987-88(b).

BIOLOGICAL DATA:

Bacteria--1986(a) 1987-88(b).

COOPERATION-- Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, NY.

WATER QUALITY DATA, PERIOD JANUARY 1986 TO SEPTEMBER 1986

DATE	TEMPER- ATURE WATER (DEG C)	TUR- BID- ITY (NTU)	TOTAL COLOR (PLAT- INUM COBALT UNITS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	PH (STAND- ARD UNITS)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO ₂)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CaCO ₃	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)
JAN 22...	--	200	9	1070	0.6	< 10	7.7	9.0	235	230
APR 17...	10.5	18	5	1000	.4	15	7.6	11	216	--

DATE	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	HARD- NESS TOTAL (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)
JAN 22...	< 6	0.05	0.60	0.06	0.070	< 0.005	--	400	110
APR 17...	--	.04	.50	.03	.030	< .005	1.4	330	88

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	HYDRO- GEN SULFIDE TOTAL (MG/L AS H ₂ S)
JAN 22...	30	83	1.9	170	100	1500	< 4	622	0.0
APR 17...	26	79	1.7	150	75	690	< 20	600	--

QUALITY OF GROUND WATER

ELLISON PARK

430855077304202. Local number Mo 2 (El 84-2)--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TEMPER- ATURE WATER (DEG C)	TUR- BID- ITY (NTU)	TOTAL COLOR (PLAT- INUM COBALT UNITS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	PH (STAND- ARD UNITS)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO ₂)	ALKA- LINTY WAT WH TOT FET FIELD MG/L AS CaCO ₃	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)
NOV 20...	10.0	110	--	1000	0.9	--	7.6	9.6	199	--
APR 09...	--	34	6	1020	1.4	< 10	7.8	7.6	200	--
SEP 16...	--	50	6	1030	.1	10	7.6	10	206	--

DATE	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	HARD- NESS TOTAL (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)
NOV 20...	--	0.10	0.92	0.30	0.123	0.008	1.3	320	90
APR 09...	--	< .02	.63	.02	.045	< .005	1.4	350	97
SEP 16...	--	.06	.76	.01	.058	.006	1.2	310	86

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	HYDRO- GEN SULFIDE TOTAL (MG/L AS H ₂ S)
NOV 20...	24	83	2.1	170	78	4500	--	526	--
APR 09...	26	80	2.2	170	88	880	< 1	590	0.0
SEP 16...	22	88	2.0	170	74	2000	< 2	568	--

QUALITY OF GROUND WATER

ELLISON PARK

430855077304202. Local number Mo 2 (El 84-2)--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	TEMPER- ATURE WATER (DEG C)	TUR- BID- ITY (NTU)	TOTAL COLOR (PLAT- INUM COBALT UNITS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	PH (STAND- ARD UNITS)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO ₂)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CAO ₃	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDEED (MG/L)
NOV 23...	--	50	4	1050	0.6	< 10	7.4	12	203	248
FEB 25...	8.0	14	--	1020	--	< 10	7.4	8.7	198	80
MAY 25...	--	6.8	2	1080	.1	10	7.7	9.6	202	188
SEP 07...	--	2.8	1	1060	--	< 10	7.6	12	202	--

DATE	RESIDUE VOLA- TILE, SUS- PENDEED (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	HARD- NESS TOTAL (MG/L AS CAO ₃)	CALCIUM DIS- SOLVED (MG/L AS CA)
NOV 23...	17	0.05	0.26	< 0.01	0.190	0.004	1.2	310	88
FEB 25...	8	.02	.18	.01	.065	.002	1.0	330	90
MAY 25...	85	.02	.50	< .01	.090	.002	.0	340	97
SEP 07...	--	.04	.26	< .01	.020	.002	.8	340	95

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	HYDRO- GEN SULFIDE TOTAL (MG/L AS H ₂ S)
NOV 23...	23	90	2.6	180	78	3200	< 2	592	0.0
FEB 25...	26	80	2.0	160	81	680	< 1	577	.0
MAY 25...	23	88	2.3	190	74	1100	< 1	622	.0
SEP 07...	24	88	2.0	170	76	270	< 1	600	.0

GROUND-WATER LEVELS

ELLISON PARK

430854077304601. Local number Mo 3 (EI 84-3)

LOCATION.--Lat 43°08'54", long 77°30'46", Hydrologic Unit 04140101, on right bank of Irondequoit Creek, north of Blossom Road, in Ellison Park. Owner: U.S. Geological Survey.

AQUIFER.--Water-table aquifer in alluvium of Holocene age.

WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 16 ft, cased to 13.5 ft, screened 13.5 ft to 16 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by Monroe County Environmental Health Laboratory personnel and occasional measurement by USGS personnel.

DATUM.--Elevation of land-surface datum is 253.2 ft above National Geodetic Vertical Datum of 1929. Measuring point: arrow at top of casing, 3.74 ft above land-surface datum.

REMARKS.--Water level affected by stage of Irondequoit Creek. This well is also a water-quality observation well. Water levels are monitored monthly and water samples taken quarterly by the Monroe County Environmental Health Laboratory. Water-temperature profiles are also taken by MCEHL on a quarterly basis.

PERIOD OF RECORD.--September 1984 to current year.

EXTREMES FOR WATER YEARS 1985-88.--Highest and lowest water level measured, in feet below land-surface datum, for each water year:

Water Year	Date	Highest water level	Date	Lowest water level
1985	Feb. 27	-2.03	Aug. 21	4.10
1986	Apr. 17	-.14	Oct. 21	3.61
1987	Mar. 2	.87	Aug. 26	3.91
1988	Feb. 24	2.41	June 17	3.99

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	3.41	DEC 3	3.24	MAR 8	1.83	APR 26	2.98
4	3.60	12	3.11	13	.97	JUN 3	3.41
5	3.62	FEB 19	3.18	26	2.85	17	2.95
9	3.62	24	.31	APR 4	.51	AUG 21	4.10
10	3.63	27	-2.03	5	2.01	SEP 18	3.90
NOV 9	3.54	MAR 1	1.90				

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	3.61	DEC 13	2.34	FEB 5	1.35	APR 17	-0.14
NOV 15	1.85	JAN 22	.63	MAR 12	1.62	30	2.89
20	2.81						

GROUND-WATER LEVELS

ELLISON PARK

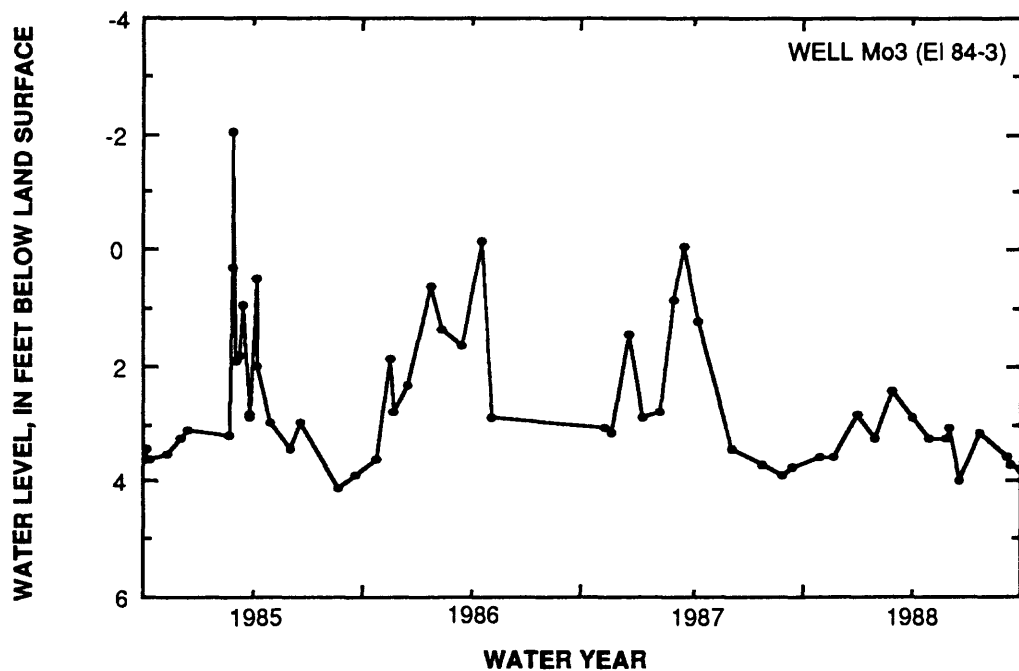
430854077304601. Local number Mo 3 (El 84-3)--continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 7	3.05	JAN 5	2.89	MAR 16	2.88	JUL 27	3.71
20	3.14	FEB 2	2.80	APR 9	1.25	AUG 26	3.91
DEC 12	1.48	MAR 2	.87	JUN 5	3.42	SEP 16	3.75

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	3.55	FEB 24	2.41	JUN 1	3.06	SEP 7	3.57
NOV 23	3.57	APR 1	2.88	17	3.99	12	3.69
DEC 31	2.83	27	3.25	JUL 21	3.15	27	3.78
JAN 29	3.25	MAY 25	3.25				



WATER-TEMPERATURE PROFILES

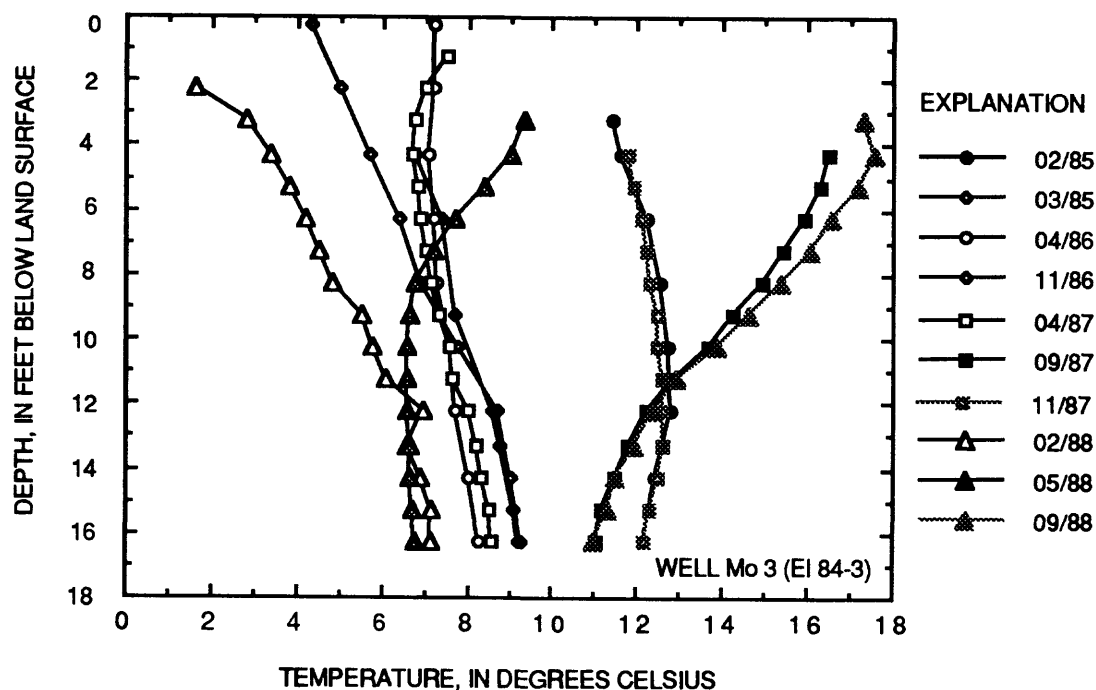
ELLISON PARK

430854077304601. Local number Mo 3 (EI 84-3)--continued

Water Temperature in C°

Depth (ft below lsd)	1985		1986		1987			1988		
	Feb. 24	*Mar. 26	Apr. 17	Nov. 20	Apr. 9	Sept. 16	Nov. 23	Feb. 24	May 25	Sept. 7
0.26	4.30	--	7.20	--	--	--	--	--	--	--
1.26	--	--	--	--	7.54	--	--	--	--	--
2.26	5.00	--	7.20	--	7.01	--	--	1.60	--	--
3.26	--	--	--	11.40	6.76	--	--	2.85	9.37	17.32
4.26	5.70	6.80	7.10	11.60	6.74	16.49	11.82	3.40	9.060	17.54
5.26	--	7.09	--	--	6.82	16.28	11.92	3.82	8.40	17.19
6.26	6.40	7.41	7.20	12.20	6.90	15.95	12.09	4.19	7.72	16.58
7.26	--	--	--	--	7.03	15.41	12.23	4.50	7.23	16.04
8.26	6.90	--	7.30	12.57	7.14	14.91	12.31	4.81	6.80	15.38
9.26	--	7.70	--	--	7.31	14.23	12.46	5.49	6.66	14.60
10.26	7.80	7.97	7.60	12.73	7.59	13.66	12.51	5.78	6.60	13.84
11.26	--	--	--	--	7.68	12.87	12.58	6.11	6.61	12.89
12.26	8.70	8.58	7.70	12.78	8.05	12.22	12.63	6.97	6.61	12.38
13.26	--	8.79	--	12.62	8.20	11.76	12.63	6.61	6.62	11.90
14.26	9.00	--	8.00	12.42	8.36	11.49	12.46	6.89	6.67	11.47
15.26	--	9.09	--	--	8.51	11.14	12.31	7.14	6.71	11.30
16.26	9.30	9.20	8.30	12.15	8.59	11.03	12.18	7.16	6.76	10.99

* Temperatures published for this date were interpolated from readings taken at 1-meter intervals.



QUALITY OF GROUND WATER

ELLISON PARK

430854077304601. Local number Mo 3 (EI 84-3)--continued

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

CHEMICAL DATA: 1986(a) 1987-88(b).

ORGANIC DATA: OC.--1986(a) 1987-88(b).

NUTRIENT DATA: 1986(a) 1987-88(b).

BIOLOGICAL DATA:

Bacteria.--1986(a) 1987-88(b).

COOPERATION-- Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, NY.

WATER QUALITY DATA, PERIOD JANUARY 1986 TO SEPTEMBER 1986

DATE	TEMPERATURE WATER (DEG C)	TURBIDITY (NTU)	TOTAL COLOR (PLATINUM COBALT UNITS)	SPECIFIC CONDUCTANCE (US/CM)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	PH (STANDARD UNITS)	CARBON DIOXIDE DISSOLVED (MG/L AS CO ₂)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CaCO ₃	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (MG/L)
JAN 22...	--	4.8	7	1500	1.2	< 10	7.3	23	295	31
APR 17...	9.5	2.9	6	995	2.0	< 10	7.6	18	271	--

DATE	RESIDUE VOLATILE, SUSPENDED (MG/L)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	PHOSPHORUS TOTAL (MG/L AS P)	PHOSPHORUS ORTHO, DISSOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	HARDNESS TOTAL (MG/L AS CaCO ₃)	CALCIUM DISSOLVED (MG/L AS Ca)
JAN 22...	3	0.02	0.60	0.15	0.030	0.006	--	430	110
APR 17...	--	0.02	.49	.61	.020	< .005	1.1	420	110

DATE	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	CHLORIDE, DISSOLVED (MG/L AS CL)	SULFATE DISSOLVED (MG/L AS SO ₄)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	HYDROGEN SULFIDE TOTAL (MG/L AS H ₂ S)
JAN 22...	38	140	3.2	260	100	940	< 2	850	0.0
APR 17...	33	120	2.6	260	95	800	< 1	816	--

QUALITY OF GROUND WATER

ELLISON PARK

430854077304601. Local number Mo 3 (El 84-3)--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TEMPER- ATURE WATER (DEG C)	TUR- BID- ITY (NTU)	TOTAL COLOR (PLAT- INUM COBALT UNITS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	PH (STAND- ARD UNITS)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO ₂)	ALKA- LINTY WAT WH TOT FET FIELD MG/L AS CaCO ₃	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)
NOV 20...	11.5	3.8	--	1400	1.6	--	7.2	17	249	--
APR 09...	--	1.9	3	1460	1	< 10	7.5	27	303	--
SEP 16...	--	1.1	3	1420	.3	< 10	7.2	13	241	--

DATE	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	HARD- NESS TOTAL (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)
NOV 20...	--	< 0.01	0.72	0.55	0.029	< 0.005	--	420	120
APR 09...	--	.01	.88	.25	.035	< .005	1.5	470	130
SEP 16...	--	< .01	.37	.74	.165	.005	0.8	410	120

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	HYDRO- GEN SULFIDE TOTAL (MG/L AS H ₂ S)
NOV 20...	31	120	3.4	260	90	860	--	750	0.0
APR 09...	36	130	3.7	250	99	360	< 1	831	.0
SEP 16...	29	130	3.4	250	100	240	< 2	780	--

QUALITY OF GROUND WATER

ELLISON PARK

430854077304601. Local number Mo 3 (El 84-3)--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	TEMPERATURE WATER (DEG C)	TURBIDITY (NTU)	TOTAL COLOR (PLATINUM COBALT UNITS)	SPECIFIC CONDUCTANCE (US/CM)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	PH (STANDARD UNITS)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO ₂)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CaCO ₃	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)
NOV 23...	--	4.5	3	1400	2.0	< 10	7.3	26	246	65
FEB 25...	9.0	.95	--	1390	--	< 10	7.5	16	250	9
MAY 25...	--	1.6	2	1380	3.4	< 10	7.7	14	241	65
SEP 07...	--	1.7	3	1390	--	< 10	7.5	18	245	--

DATE	RESIDUE VOLATILE, SUS- PENDED (MG/L)	NITROGEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITROGEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	HARD- NESS TOTAL (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)
NOV 23...	5	< 0.01	0.23	0.58	0.045	0.005	0.8	410	110
FEB 25...	< 3	< .01	.13	.48	.030	.003	.7	420	120
MAY 25...	7	< .01	.39	.57	.235	.003	.6	420	120
SEP 07...	--	< .01	.33	.54	--	--	.6	420	120

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	HYDRO- GEN SULFIDE TOTAL (MG/L AS H ₂ S)
NOV 23...	30	130	4.3	260	94	1300	< 2	748	0.0
FEB 25...	30	130	3.3	260	86	180	< 1	776	.0
MAY 25...	28	150	3.3	270	78	940	2	758	.0
SEP 07...	30	130	3.3	260	82	3200	< 1	806	.0

GROUND-WATER LEVELS

ELLISON PARK

430854077304901. Local number Mo 4 (EI 84-4)

LOCATION.--Lat 43°08'54", long 77°30'49", Hydrologic Unit 04140101, on left bank of Irondequoit Creek, north of Blossom Road, in Ellison Park. Owner: U.S. Geological Survey.

AQUIFER.--Water-table aquifer in alluvium of Holocene age.

WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 16 ft, cased to 13.5 ft, screened 13.5 ft to 16 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by Monroe County Environmental Health Laboratory personnel and occasional measurement by USGS personnel.

DATUM.--Elevation of land-surface datum is 252.70 ft above National Geodetic Vertical Datum of 1929. Measuring point: arrow at top of casing, 3.31 ft above land-surface datum.

REMARKS.--Water level affected by stage of Irondequoit Creek. This well is also a water-quality observation well. Water levels are monitored monthly and water samples taken quarterly by the Monroe County Environmental Health Laboratory. Water-temperature profiles are also taken by MCEHL on a quarterly basis.

PERIOD OF RECORD.--September 1984 to current year.

EXTREMES FOR WATER YEARS 1985-88.--Highest and lowest water level measured, in feet below land-surface datum, for each water year:

Water Year	Date	Highest water level	Date	Lowest water level
1985	Feb. 27	-2.53	Aug. 21	3.62
1986	Apr. 17	-.53	Oct. 21	3.08
1987	Mar. 2	.51	Sept. 16	4.21
1988	Feb. 24	1.88	June 1	3.57

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	2.89	NOV 9	3.04	FEB 27	-2.53	APR 26	2.45
4	3.09	DEC 3	2.70	MAR 1	1.20	JUN 3	2.86
5	3.09	12	2.57	8	1.24	17	2.43
9	3.13	FEB 19	2.66	26	2.52	AUG 21	3.62
10	3.15	24	.64	APR 5	1.44	SEP 18	3.39

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	3.08	DEC 11	1.54	FEB 5	0.97	APR 17	-0.53
NOV 15	1.49	13	1.84	MAR 12	1.18	30	2.29
20	2.17	JAN 22	.25				

GROUND-WATER LEVELS

ELLISON PARK

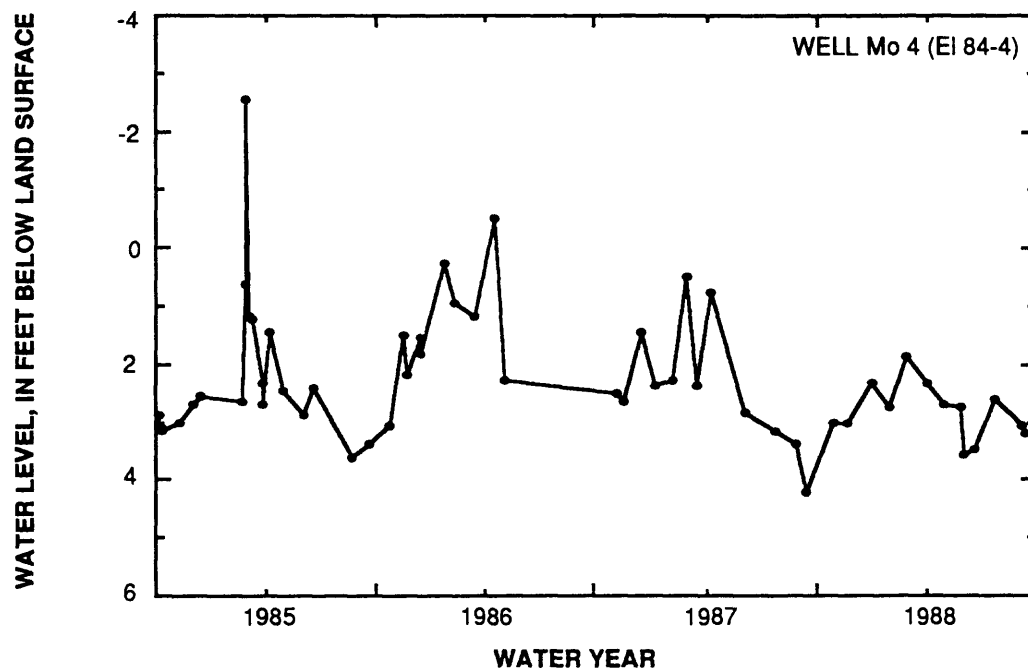
430854077304901. Local number Mo 4 (El 84-4)--continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 7	2.51	JAN 5	2.38	MAR 16	2.36	JUL 27	3.16
20	2.65	FEB 2	2.29	APR 9	.75	AUG 26	3.37
DEC 12	1.47	MAR 2	.51	JUN 5	2.84	SEP 16	3.21

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	3.01	FEB 24	1.88	JUN 1	3.57	SEP 7	3.07
NOV 23	3.03	APR 1	2.35	17	3.47	12	3.22
DEC 31	2.32	APR 27	2.72	JUL 21	2.60	27	3.27
JAN 29	2.74	MAY 25	2.73				



WATER-TEMPERATURE PROFILES

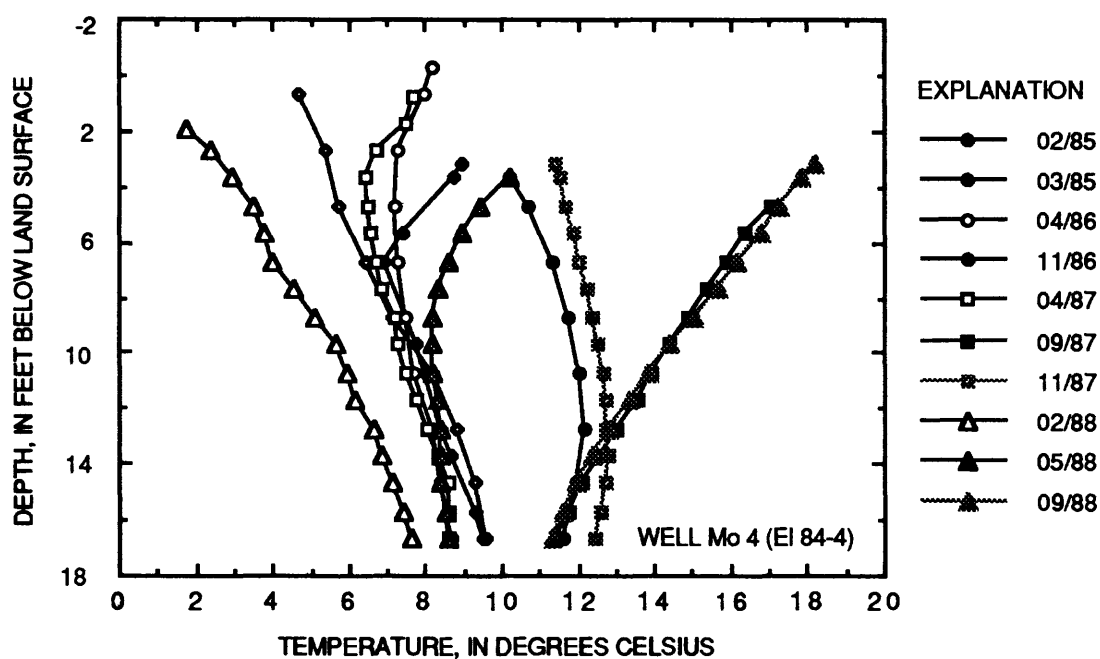
ELLISON PARK

430854077304901. Local number Mo 4 (EI 84-4)--continued

Water Temperature in C°

Depth (ft below lsd)	1985		1986		1987			1988		
	Feb. 24	*Mar. 26	Apr. 17	Nov. 20	Apr. 9	Sept. 16	Nov. 23	Feb. 24	May 25	Sept. 7
-0.31	--	--	8.20	--	--	--	--	--	--	--
0.69	4.70	--	8.00	--	--	--	--	--	--	--
0.79	--	--	--	--	7.72	--	--	--	--	--
1.69	--	--	--	--	7.50	--	--	--	--	--
1.88	--	--	--	--	--	--	--	1.78	--	--
2.69	5.40	--	7.30	--	6.74	--	--	2.38	--	--
3.19	--	8.95	--	--	--	--	11.40	--	--	18.15
3.69	--	8.72	--	10.20	6.42	--	11.53	2.94	10.20	17.80
4.69	5.70	--	7.20	10.72	6.49	17.03	11.66	3.50	9.43	17.29
5.69	--	7.44	--	--	6.60	16.36	11.89	3.77	8.94	16.76
6.69	6.40	6.94	7.30	11.32	6.70	15.87	12.01	4.02	8.59	16.18
7.69	--	--	--	--	6.88	15.38	12.22	4.54	8.29	15.63
8.69	7.10	--	7.50	11.75	7.19	14.92	12.38	5.08	8.21	15.02
9.69	--	7.76	--	--	7.24	14.42	12.53	5.63	8.20	14.43
10.69	8.20	7.99	7.70	12.00	7.49	13.92	12.64	5.92	8.21	13.86
11.69	--	--	--	--	7.74	13.57	12.72	6.16	8.30	13.39
12.69	8.80	8.41	8.20	12.14	8.01	12.99	12.76	6.63	8.39	12.79
13.69	--	8.68	--	--	8.32	12.62	12.78	6.82	8.42	12.38
14.69	9.30	--	8.40	11.98	8.57	12.13	12.74	7.14	8.42	11.93
15.69	--	9.29	--	--	8.61	11.73	12.59	7.44	8.51	11.59
16.69	9.60	9.50	8.70	11.63	8.63	11.43	12.42	7.59	8.57	11.35

* Temperatures published for this date were interpolated from readings taken at 1-meter intervals.



QUALITY OF GROUND WATER

ELLISON PARK

430854077304901. Local number Mo 4 (El 84-4)--continued

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

CHEMICAL DATA: 1986(a) 1987-88(b).

ORGANIC DATA: OC.--1986(a) 1987-88(b).

NUTRIENT DATA: 1986(a) 1987-88(b).

BIOLOGICAL DATA:

Bacteria.--1986(a) 1987-88(b).

COOPERATION-- Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, NY.

WATER QUALITY DATA, PERIOD JANUARY 1986 TO SEPTEMBER 1986

DATE	TEMPER- ATURE WATER (DEG C)	TUR- BID- ITY (NTU)	TOTAL COLOR (PLAT- INUM COBALT UNITS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	PH (STAND- ARD UNITS)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO ₂)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CACO ₃	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)
JAN 22...	--	9.5	12	796	< 0.1	< 10	7.5	22	315	34
APR 17...	10.5	8.7	10	865	.1	12	7.6	27	353	--

DATE	RESIDUE VOLA- TILE, SUS- PENDE (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	HARD- NESS TOTAL (MG/L AS CACO ₃)	CALCIUM DIS- SOLVED (MG/L AS CA)
JAN 22...	4	0.51	0.90	0.03	0.070	0.052	--	390	97
APR 17...	--	.45	1.0	.02	.050	.009	5.2	410	100

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	HYDRO- GEN SULFIDE TOTAL (MG/L AS H ₂ S)
JAN 22...	37	26	1.4	83	49	940	<2	506	0.6
APR 17...	35	23	1.3	79	27	650	<2	522	--

QUALITY OF GROUND WATER

ELLISON PARK

430854077304901. Local number Mo 4 (El 84-4)--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TEMPER- ATURE WATER (DEG C)	TUR- BID- ITY (NTU)	TOTAL COLOR (PLAT- INUM COBALT UNITS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	PH (STAND- ARD UNITS)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO ₂)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CaCO ₃	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)
NOV 20...	11.5	9.6	--	860	0.4	--	7.4	23	306	--
APR 09...	--	20	15	863	< .1	47	7.6	29	372	--
SEP 16...	--	4.8	13	901	< .1	11	7.2	18	260	--

DATE	RESIDUE VOLA- TILE, SUS- PENDE (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	HARD- NESS TOTAL (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)
NOV 20...	--	0.54	1.2	0.02	0.102	0.045	4.5	410	110
APR 09...	--	.44	1.1	< .01	.155	< .005	6.6	450	120
SEP 16...	--	.35	.87	< .01	.075	.010	3.2	400	110

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	COLI- FORM, TOTAL FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	HYDRO- GEN SULFIDE TOTAL (MG/L AS H ₂ S)
NOV 20...	33	27	1.5	86	37	1600	--	469	0.3
APR 09...	37	22	1.5	64	--	2300	> 200	499	.0
SEP 16...	32	30	1.5	110	54	830	< 2	432	--

QUALITY OF GROUND WATER

ELLISON PARK

430854077304901. Local number Mo 4 (El 84-4)--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	TEMPER- ATURE WATER (DEG C)	TUR- BID- ITY (NTU)	TOTAL COLOR (PLAT- INUM COBALT UNITS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	PH (STAND- ARD UNITS)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO ₂)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CaCO ₃	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)
NOV 23...	--	7.9	9	870	< 0.1	11	7.4	25	280	108
FEB 25...	10.0	7.1	--	879	--	15	7.3	22	330	50
MAY 25...	--	2.4	12	868	.4	< 10	7.6	19	305	23
SEP 07...	--	3.7	7	905	--	10	7.4	22	264	--

DATE	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	HARD- NESS TOTAL (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)
NOV 23...	10	0.48	0.88	< 0.01	0.120	0.014	3.8	390	110
FEB 25...	12	.42	.68	< .01	.075	.015	4.1	400	110
MAY 25...	4	.43	.84	< .01	.090	.011	3.6	400	110
SEP 07...	--	.42	.84	< .01	.060	.022	3.3	390	110

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	HYDRO- GEN SULFIDE TOTAL (MG/L AS H ₂ S)
NOV 23...	31	30	1.9	100	46	1700	<2	496	0.2
FEB 25...	32	27	1.5	86	18	620	<1	474	.4
MAY 25...	31	47	1.6	92	39	650	<1	476	.3
SEP 07...	31	31	1.6	100	45	450	<1	504	.2

GROUND-WATER LEVELS

ELLISON PARK

430855077305201. Local number Mo 5 (EI 84-5)

LOCATION.--Lat 43°08'55", long 77°30'52", Hydrologic Unit 04140101, in main parking lot, south of Irondequoit Creek, north of Blossom Road. Owner: U.S. Geological Survey.

AQUIFER.--Water-table aquifer in sand of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 43 ft, cased to 39 ft, screened 39 ft to 43 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by Monroe County Environmental Health Laboratory personnel and occasional measurement by USGS personnel.

DATUM.--Elevation of land-surface datum is 251.1 ft above National Geodetic Vertical Datum of 1929. Measuring point: arrow at top of casing, 3.64 ft above land-surface datum.

REMARKS.--This well is also a water-quality observation well. Water levels are monitored monthly and water samples taken quarterly by the Monroe County Environmental Health Laboratory. Water-temperature profiles are also taken by MCEHL on a quarterly basis.

PERIOD OF RECORD.--September 1984 to current year.

EXTREMES FOR WATER YEARS 1985-88.--Highest and lowest water level measured, in feet below land-surface datum, for each water year:

Water Year	Date	Highest water level	Date	Lowest water level
1985	Feb. 24	-1.47	Aug. 21	2.09
1986	Apr. 17	-1.63	Oct. 21	1.65
1987	Mar. 2	-.66	Aug. 26	1.83
1988	Feb. 24	.44	June 17	1.91

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	1.36	DEC 3	1.20	MAR 1	0.51	APR 26	1.20
4	1.53	12	1.11	8	.90	JUN 3	1.34
5	1.58	FEB 19	1.16	13	-.71	17	.98
9	1.47	24	-1.47	26	.76	AUG 21	2.09
10	1.59	27	-.02	APR 5	.03	SEP 18	1.90
NOV 9	1.53						

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	1.65	DEC 11	0.72	JAN 22	-1.04	APR 17	-1.63
NOV 15	.14	13	.43	MAR 12	-.19	30	.73
20	.69						

GROUND-WATER LEVELS

ELLISON PARK

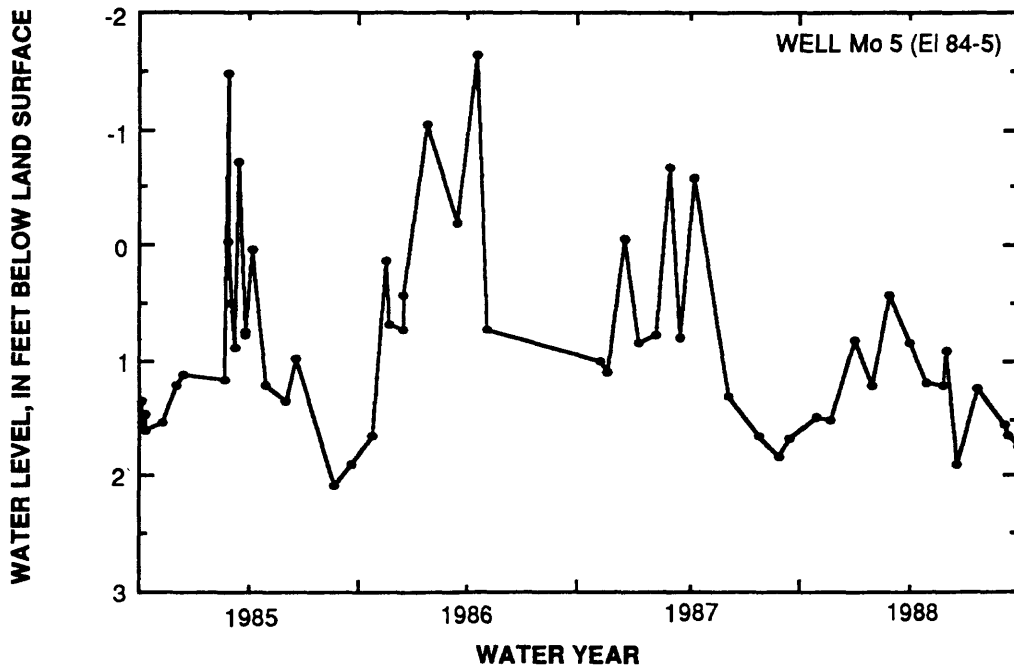
430855077305201. Local number Mo 5 (El 84-5)--continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 7	1.00	JAN 5	0.85	MAR 16	0.80	JUL 27	1.64
20	1.09	FEB 2	.77	APR 9	-.58	AUG 26	1.83
DEC 12	-.06	MAR 2	-.66	JUN 5	1.30	SEP 16	1.68

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	1.48	FEB 24	0.44	JUN 1	0.92	SEP 7	1.55
NOV 23	1.52	APR 1	.84	17	1.91	12	1.64
DEC 31	.83	27	1.18	JUL 21	1.24	27	1.74
JAN 29	1.22	MAY 25	1.21				



WATER-TEMPERATURE PROFILES

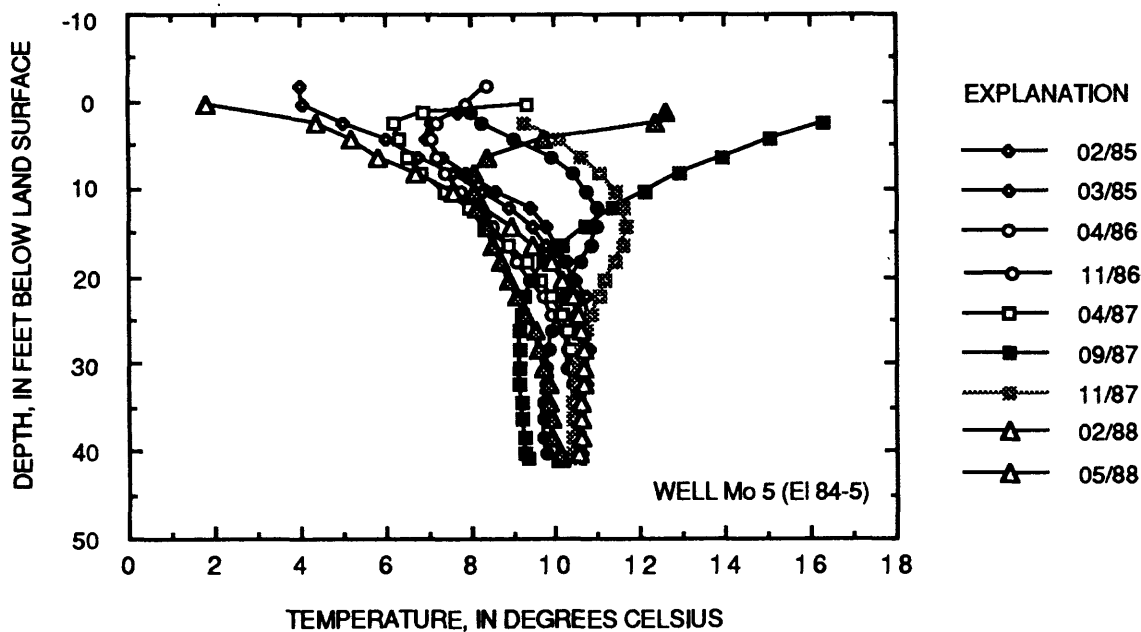
ELLISON PARK

430855077305201. Local number Mo 5 (El 84-5)--continued

Water Temperature in C°

Depth (ft below lsd)	1985		1986		1987			1988	
	Feb. 24	*Mar. 26	Apr. 17	Nov. 20	Apr. 9	Sept. 16	Nov. 23	Feb. 24	May 25
-1.63	4.00	--	8.40	--	--	--	--	--	--
0.36	4.10	--	7.90	--	9.33	--	--	1.84	--
1.36	--	7.71	--	8.05	6.90	--	--	--	12.60
2.36	5.00	7.08	7.20	8.25	6.22	16.31	9.31	4.37	12.34
4.36	6.00	6.96	7.10	9.05	6.31	15.03	10.08	5.19	9.69
6.36	6.80	7.34	7.20	9.88	6.51	13.90	10.60	5.81	8.42
8.36	7.60	7.89	7.40	10.42	6.84	12.92	11.04	6.70	8.08
10.36	8.30	8.57	7.80	10.75	7.38	12.08	11.43	7.56	8.07
12.36	8.90	9.42	8.00	10.95	7.95	11.36	11.58	8.31	8.13
14.36	9.50	9.79	8.50	11.00	8.32	10.72	11.69	8.98	8.38
16.36	9.80	10.04	8.90	10.82	8.91	10.16	11.61	9.48	8.51
18.36	10.20	10.28	9.10	10.58	9.36	9.71	11.39	9.88	8.69
20.36	10.50	10.43	9.40	10.35	9.64	9.44	11.17	10.17	8.90
22.36	10.70	10.50	9.70	10.20	9.89	9.30	11.01	10.41	9.10
24.36	--	10.50	9.90	10.10	10.16	9.23	10.83	10.53	9.29
26.36	--	10.51	10.20	9.91	10.27	9.18	10.70	10.60	9.51
28.36	10.80	10.58	10.30	9.85	10.37	9.16	10.59	10.64	9.62
30.36	--	10.56	10.30	9.80	10.42	9.16	10.51	10.69	9.73
32.36	10.70	10.50	10.40	9.78	10.47	9.18	10.47	10.68	9.82
34.36	--	--	10.40	9.75	10.50	9.21	10.43	10.63	9.87
36.36	--	--	10.40	9.75	10.51	9.25	10.42	10.61	9.89
38.36	--	--	10.50	9.75	10.53	9.28	10.41	10.59	9.94
40.36	10.60	--	10.50	9.77	10.53	9.31	10.41	10.56	10.09
40.76	--	--	--	--	10.53	9.33	10.41	--	10.09

* Temperatures published for this date were interpolated from readings taken at 1-meter intervals.



QUALITY OF GROUND WATER
ELLISON PARK

430855077305201. Local number Mo 5 (El 84-5)--continued

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

CHEMICAL DATA: 1986(a) 1987-88(b).

ORGANIC DATA: OC.--1986(a) 1987-88(b).

NUTRIENT DATA: 1986(a) 1987-88(b).

BIOLOGICAL DATA:

Bacteria.--1986(a) 1987-88(b).

COOPERATION-- Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, NY.

WATER QUALITY DATA, PERIOD JANUARY 1986 TO SEPTEMBER 1986

DATE	TEMPERATURE WATER (DEG C)	TURBIDITY (NTU)	TOTAL COLOR (PLATINUM COBALT UNITS)	SPECIFIC CONDUCTANCE (US/CM)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	PH (STANDARD UNITS)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO ₂)	ALKALINITY WAT WH TOT FET FIELD MG/L AS CaCO ₃	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)
JAN 22...	--	17	10	805	0.1	12	7.6	7.2	202	78
APR 17...	10.5	6.1	6	795	.9	< 10	7.8	7.8	216	--

DATE	RESIDUE VOLATILE, SUS- PENDED (MG/L)	NITROGEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITROGEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	HARD- NESS TOTAL (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)
JAN 22...	8	0.04	0.20	0.01	0.040	< 0.005	--	380	88
APR 17...	--	.04	.19	.11	.020	< .005	1.4	370	86

DATE	MAGNESIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTASSIUM, DIS- SOLVED (MG/L AS K)	CHLORIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	COLIFORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	HYDROGEN SULFIDE TOTAL (MG/L AS H ₂ S)
JAN 22...	40	16	1.0	81	120	1100	< 2	485	0.0
APR 17...	38	15	.90	81	95	520	< 1	482	--

QUALITY OF GROUND WATER

ELLISON PARK

430855077305201. Local number Mo 5 (El 84-5)--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TEMPER- ATURE WATER (DEG C)	TUR- BID- ITY (NTU)	TOTAL COLOR (PLAT- INUM COBALT UNITS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	PH (STAND- ARD UNITS)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO ₂)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CaCO ₃	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)
NOV 20...	10.0	8.1	--	800	0.4	--	7.5	7.0	198	--
APR 09...	--	5.5	5	818	.3	27	7.8	8.8	197	--
SEP 16...	--	13	6	832	< .1	< 10	7.4	9.0	201	--

DATE	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	HARD- NESS TOTAL (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)
NOV 20...	--	0.02	0.70	0.02	0.040	< 0.005	1.6	400	96
APR 09...	--	< .01	.61	.02	.080	< .005	1.7	410	99
SEP 16...	--	.02	.48	< .01	.055	.002	1.7	380	94

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	HYDRO- GEN SULFIDE TOTAL (MG/L AS H ₂ S)
NOV 20...	38	16	1.2	88	100	930	--	441	0.1
APR 09...	39	16	1.2	91	100	750	< 1	462	.0
SEP 16...	36	17	1.2	97	100	1200	< 2	430	--

QUALITY OF GROUND WATER
ELLISON PARK

430855077305201. Local number Mo 5 (El 84-5)--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	TEMPER- ATURE WATER (DEG C)	TUR- BID- ITY (NTU)	TOTAL COLOR (PLAT- INUM COBALT UNITS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	PH (STAND- ARD UNITS)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO ₂)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CaCO ₃	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)
NOV 23...	--	9.0	3	816	0.3	< 10	7.6	12	200	167
FEB 25...	9.0	2.5	--	827	--	< 10	7.6	7.4	198	215
MAY 25...	--	4.8	2	812	.2	< 10	7.8	6.7	200	64
SEP 07...	--	6.7	1	839	--	< 10	7.6	12	199	--

DATE	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	HARD- NESS TOTAL (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)
NOV 23...	17	0.04	0.23	< 0.01	0.190	0.003	1.2	380	94
FEB 25...	17	< .01	.20	< .01	.085	.003	1.2	390	96
MAY 25...	14	< .01	.40	< .01	.050	.002	1.1	390	98
SEP 07...	--	.02	.38	< .01	.245	.002	1.2	400	98

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	COLI- FORM, FECAL, 0.7 UM-MF (COLS/ 100 ML)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	HYDRO- GEN SULFIDE TOTAL (MG/L AS H ₂ S)
NOV 23...	36	17	1.4	97	93	1300	< 2	461	0.1
FEB 25...	36	15	1.2	98	90	1100	< 1	492	.0
MAY 25...	35	16	1.4	100	91	820	< 1	456	.0
SEP 07...	37	18	1.2	100	83	640	< 1	479	.0

GROUND-WATER LEVELS

ELLISON PARK

430855077305202. Local number Mo 6 (El 84-6)

LOCATION.--Lat 43°08'55", long 77°30'52", Hydrologic Unit 04140101, in main parking lot, south of Irondequoit Creek, north of Blossom Road, in Ellison Park. Owner: U.S. Geological Survey.

AQUIFER.--Water-table aquifer in alluvium of Holocene age.

WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 16 ft, cased to 13 ft, screened 13 ft to 16 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by Monroe County Environmental Health Laboratory personnel and occasional measurement by USGS personnel.

DATUM.--Elevation of land-surface datum is 251.1 ft above National Geodetic Vertical Datum of 1929. Measuring point: arrow at top of casing, 4.53 ft above land-surface datum; prior to September 30, 1985, 4.26 ft above land-surface datum.

REMARKS.--This well is also a water-quality observation well. Water levels are monitored monthly and water samples taken quarterly by the Monroe County Environmental Health Laboratory. Water-temperature profiles are also taken by MCEHL on a quarterly basis.

PERIOD OF RECORD.--September 1984 to current year.

EXTREMES FOR WATER YEARS 1985-88.--Highest and lowest water level measured, in feet below land-surface datum, for each water year:

Water Year	Date	Highest water level	Date	Lowest water level
1985	Feb. 24	-1.64	Aug. 21	2.00
1986	Apr. 17	-1.61	Oct. 21	1.61
1987	Mar. 2	-.65	Aug. 26	1.92
1988	Feb. 24	.56	June 17	2.07

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	1.24	DEC 3	0.51	MAR 1	-0.65	APR 26	0.26
4	1.43	12	.99	8	-.13	JUN 3	1.23
5	1.48	FEB 19	1.05	13	-.56	17	.87
9	1.50	24	-1.64	26	.66	AUG 21	2.00
10	1.50	27	-1.41	APR 5	-.39	SEP 18	1.73
NOV 9	1.36						

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	1.61	DEC 11	0.69	JAN 22	-0.77	APR 17	-1.61
NOV 15	.12	13	.45	MAR 12	e-.40	30	.78
20	.67						

GROUND-WATER LEVELS

ELLISON PARK

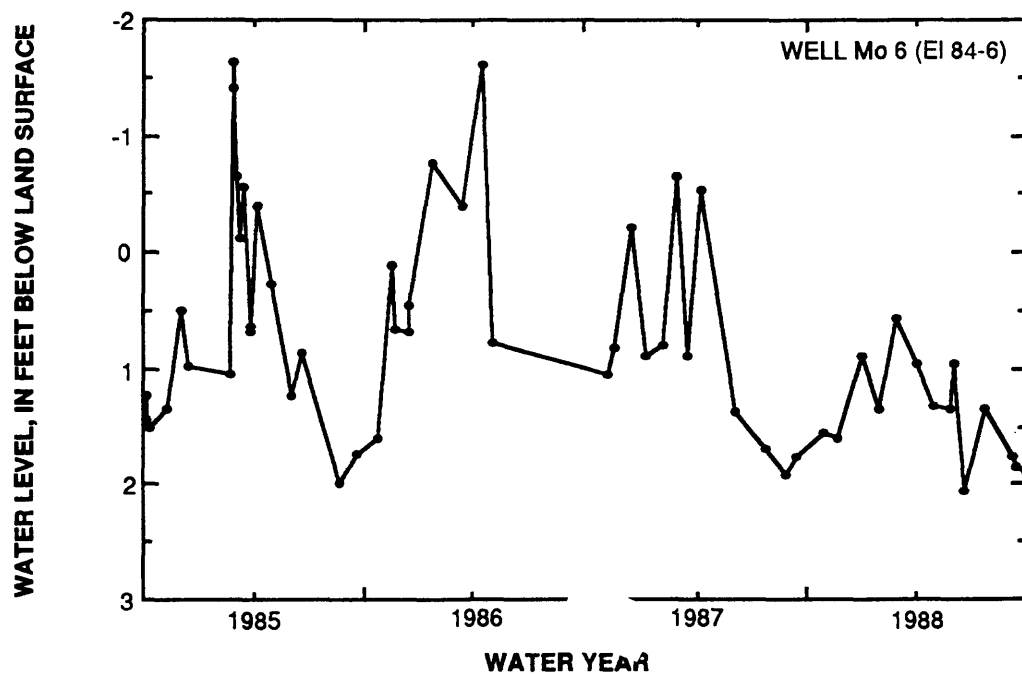
430855077305202. Local number Mo 6 (El 84-6)--continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 7	1.04	JAN 5	0.89	MAR 16	0.88	JUL 27	1.69
20	.82	FEB 2	.80	APR 9	-.53	AUG 26	1.92
DEC 12	-.20	MAR 2	-.65	JUN 5	1.38	SEP 16	1.76

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	1.55	FEB 24	0.56	JUN 1	0.96	SEP 7	1.75
NOV 23	1.59	APR 1	.97	17	2.07	12	1.86
DEC 31	.90	27	1.33	JUL 21	1.35	27	1.89
JAN 29	1.35	MAY 25	1.35				



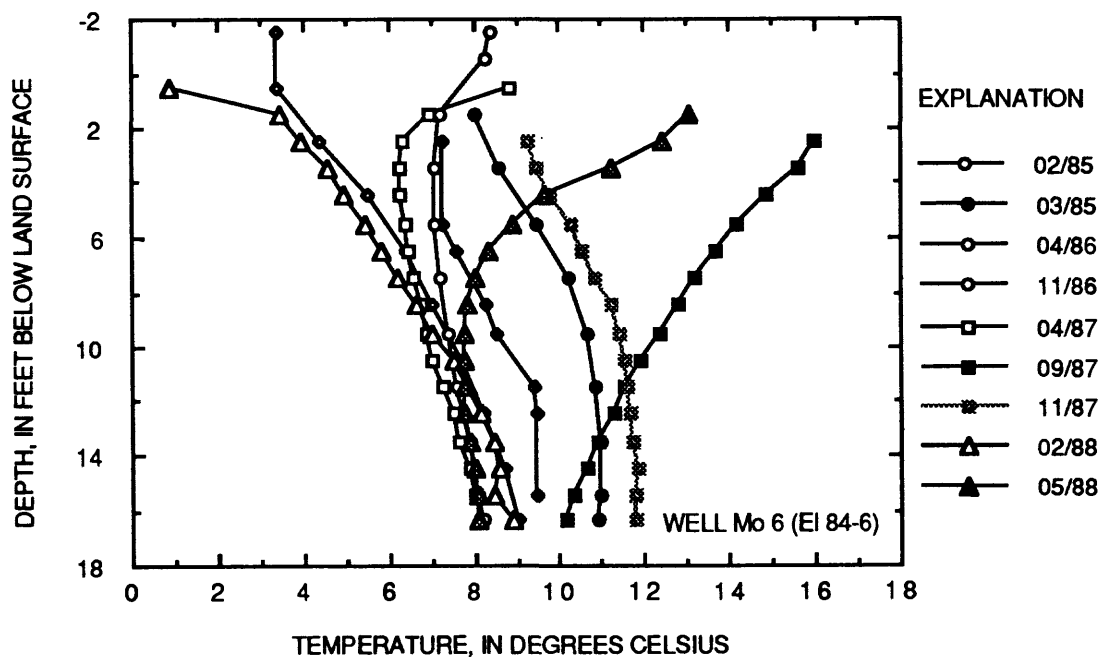
WATER-TEMPERATURE PROFILES

ELLISON PARK

430855077305202. Local number Mo 6 (EI 84-6)--continued

Depth (ft below lsd)	Water Temperature in C°								
	1985		1986		1987			1988	
	Feb. 24	*Mar. 26	Apr. 17	Nov. 20	Apr. 9	Sept. 16	Nov. 23	Feb. 24	May 25
-1.53	3.40	--	8.40	--	--	--	--	--	--
-0.53	--	--	8.30	--	--	--	--	--	--
0.56	3.40	--	--	--	8.84	--	--	0.88	--
1.47	--	--	7.20	8.05	6.94	--	--	3.42	13.06
2.47	4.40	7.30	--	--	6.32	15.98	9.26	3.93	12.41
3.47	--	--	7.10	8.60	6.27	15.60	9.48	4.57	11.22
4.47	5.50	--	--	--	6.30	14.89	9.77	4.96	9.66
5.47	--	7.30	7.10	9.45	6.42	14.15	10.31	5.47	8.88
6.47	6.40	7.57	--	--	6.49	13.67	10.56	5.83	8.37
7.47	--	--	7.20	10.22	6.61	13.17	10.86	6.20	8.00
8.47	7.00	8.30	--	--	6.78	12.80	11.22	6.62	7.83
9.47	--	8.51	7.40	10.67	6.88	12.35	11.42	7.03	7.79
10.47	7.70	--	--	--	7.04	11.92	11.51	7.53	7.79
11.47	--	9.38	7.60	10.88	7.25	11.56	11.61	7.86	7.78
12.47	8.20	9.50	--	--	7.51	11.28	11.67	8.14	7.80
13.47	--	--	7.90	10.98	7.64	10.93	11.73	8.44	7.91
14.47	8.70	--	--	--	7.92	10.65	11.83	8.58	8.02
15.47	--	9.50	8.10	10.95	8.03	10.33	11.82	8.49	8.09
16.37	9.00	--	8.20	10.90	--	10.18	11.78	8.90	8.12

* Temperatures published for this date were interpolated from readings taken at 1-meter intervals.



QUALITY OF GROUND WATER
ELLISON PARK

430855077305202. Local number Mo 6 (El 84-6)--continued

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

CHEMICAL DATA: 1986(a) 1987-88(b).

ORGANIC DATA: OC.--1986(a) 1987-88(b).

NUTRIENT DATA: 1986(a) 1987-88(b).

BIOLOGICAL DATA:

Bacteria.--1986(a) 1987-88(b).

COOPERATION-- Water-quality samples were collected and analyzed by the Monroe County Environmental Health Laboratory at Rochester, NY.

WATER QUALITY DATA, PERIOD JANUARY 1986 TO SEPTEMBER 1986

DATE	TEMPER- ATURE WATER (DEG C)	TUR- BID- ITY (NTU)	TOTAL COLOR (PLAT- INUM COBALT UNITS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	PH (STAND- ARD UNITS)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO ₂)	ALKA- LINTY WAT WH TOT FET FIELD MG/L AS CaCO ₃	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)
JAN 22...	--	1.8	5	840	< 0.1	< 10	7.5	12	243	9
APR 17...	9.5	2.1	10	832	.6	< 10	7.7	12	277	--
DATE	RESIDUE VOLA- TILE, SUS- PENDE (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	HARD- NESS TOTAL (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)	
JAN 22...	< 2	0.14	0.40	0.09	0.050	0.046	--	400	90	
APR 17...	1	.12	.37	.04	.060	.043	1.8	390	92	
DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	HYDRO- GEN SULFIDE TOTAL (MG/L AS H ₂ S)	
JAN 22...	42	19	1.1	90	81	70	< 2	494	0.4	
APR 17...	39	23	.90	84	47	290	< 1	484	--	

QUALITY OF GROUND WATER
ELLISON PARK

430855077305202. Local number Mo 6 (El 84-6)--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DATE	TEMPER- ATURE WATER (DEG C)	TUR- BID- ITY (NTU)	TOTAL COLOR (PLAT- INUM COBALT UNITS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	PH (STAND- ARD UNITS)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO ₂)	ALKA- LINITY WAT WH TOT FET FIELD MG/L AS CaCO ₃	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L)
NOV 20...	11.0	1.4	--	820	< 0.1	--	7.5	11	252	--
APR 09...	--	6.4	4	836	< .1	30	7.8	11	263	--
SEP 16...	--	.65	4	852	< .1	11	7.4	12	238	--

DATE	RESIDUE VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	HARD- NESS TOTAL (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)
NOV 20...	--	0.13	0.53	< 0.01	0.060	0.046	1.8	400	99
APR 09...	--	.07	.71	.34	.058	< .005	2.8	410	100
SEP 16...	--	.12	.45	<.01	.060	.045	1.6	390	96

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	HYDRO- GEN SULFIDE TOTAL (MG/L AS H ₂ S)
NOV 20...	38	19	1.2	88	66	200	--	464	0.7
APR 09...	40	19	1.2	91	65	840	< 1	469	.8
SEP 16...	36	20	1.1	97	75	140	< 2	410	--

QUALITY OF GROUND WATER

ELLISON PARK

430855077305202. Local number Mo 6 (El 84-6)--continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DATE	TEMPER- ATURE WATER (DEG C)	TUR- BID- ITY (NTU)	TOTAL COLOR (PLAT- INUM COBALT UNITS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	PH (STAND- ARD UNITS)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO ₂)	ALKA- LITY WAT WH TOT FET FIELD MG/L AS CaCO ₃	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L)
NOV 23...	--	2.0	3	831	< 0.1	< 10	7.5	15	249	28
FEB 25...	9.0	3.0	--	847	--	< 10	7.4	12	248	24
MAY 25...	--	2.5	4	811	< .1	< 10	7.8	9.6	267	44
SEP 07...	--	.85	2	851	--	< 10	7.6	18	258	--

DATE	RESIDUE VOLA- TILE, SUS- PENDE (MG/L)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	HARD- NESS TOTAL (MG/L AS CaCO ₃)	CALCIUM DIS- SOLVED (MG/L AS Ca)
NOV 23...	4	0.13	0.38	< 0.01	0.075	0.046	1.5	390	97
FEB 25...	< 4	.08	.35	< .01	.060	.044	1.7	400	99
MAY 25...	24	.10	.40	< .01	.190	.005	1.7	390	99
SEP 07...	--	.12	.45	< .01	.315	.047	1.6	410	100

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	HYDRO- GEN SULFIDE TOTAL (MG/L AS H ₂ S)
NOV 23...	36	20	1.5	94	67	510	< 2	432	1.0
FEB 25...	36	21	1.2	95	62	290	< 1	484	.7
MAY 25...	34	21	1.3	91	54	560	< 1	454	.4
SEP 07...	37	21	1.2	95	54	90	< 1	491	1

**GROUND-WATER LEVELS
BROWNCROFT BOULEVARD**

430932077311501. Local number Mo 659 (B 86-2)

LOCATION.--Lat 43°09'32", long 77°31'15", Hydrologic Unit 04140101, at top of bank and about 400 ft northeast of bridge over Irondequoit Creek overflow channel at Old Browncroft Boulevard.

AQUIFER.--Confined aquifer in sand and gravel of Pleistocene age.

WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in, depth 215 ft, cased to 215 ft, slotted 80 ft to 90 ft and 160 ft to 170 ft, open end about 4 ft into Queenston Formation.

INSTRUMENTATION.--Occasional measurements with chalked tape by USGS personnel.

REMARKS.--Water levels measured in well 86 B-2 were paired with concurrent measurements of water levels in the Irondequoit Wetlands nearby.

DATUM.--Elevation of land-surface datum is 266.58 ft above National Geodetic Vertical Datum of 1929. Measuring point: top of casing, 1.80 ft above land-surface datum.

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

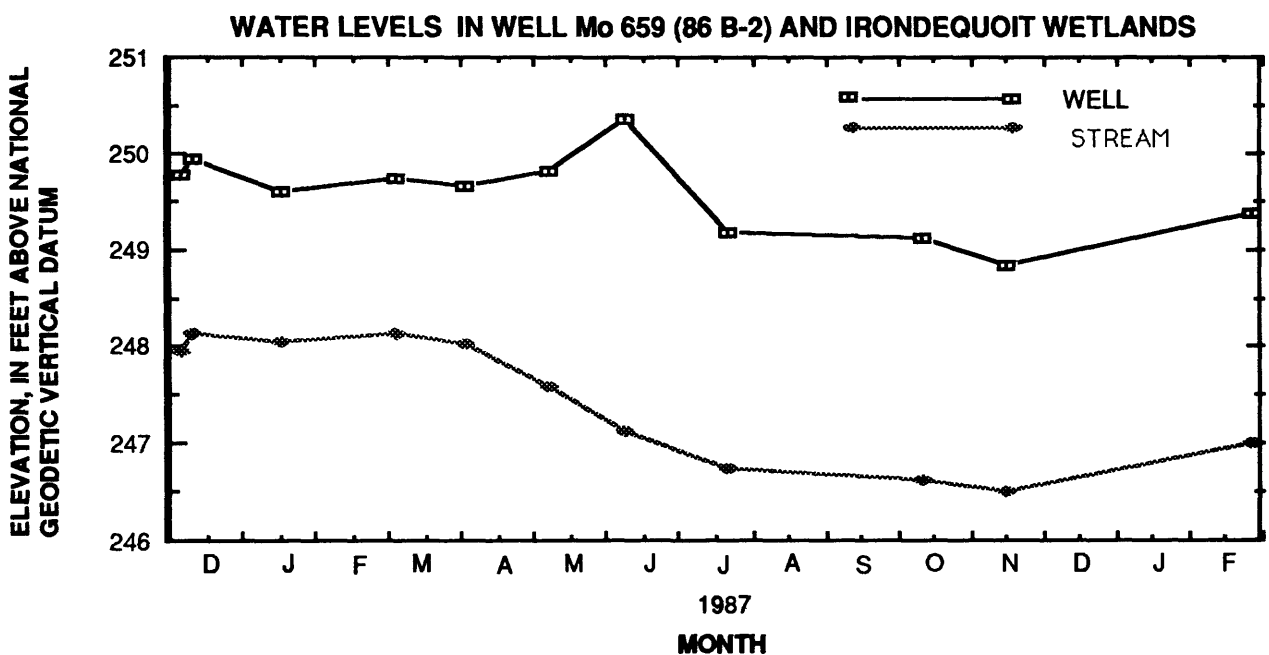
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 18.02 ft below land-surface datum, June 5, 1987; lowest 19.54 ft below land-surface datum, Nov. 10, 1987.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEARS OCTOBER 1986 TO SEPTEMBER 1988

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5, 1986	18.61	MAR 3	18.64	JUN 5	18.02	NOV 10	19.54
10	18.44	31	18.72	JUL 17	19.21	FEB 19, 1988	19.00
JAN 15, 1987	18.78	MAY 5	18.56	OCT 6	19.26		

WETLAND WATER LEVEL, IN FEET ABOVE NATIONAL GEODETIC VERTICAL DATUM OF 1929

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5, 1986	247.94	MAR 3	248.12	JUN 5	247.12	NOV 10	246.51
10	248.12	31	248.02	JUL 17	246.74	FEB 19, 1988	247.00
JAN 15, 1987	248.04	MAY 5	247.59	OCT 6	246.63		



**TOTAL DAILY PRECIPITATION
GENESEE RIVER BASIN**

430117077350101. AT MENDON PONDS

LOCATION.--Lat 43°01'17", long 77°35'01", Monroe County, Hydrologic Unit 04130003, in Mendon Ponds County Park, 200 ft east of rangers' quarters, 300 ft east of State Highway 65, and 1.7 mi south of Interstate Highway 90.

PERIOD OF RECORD.--May 1985 to current year.

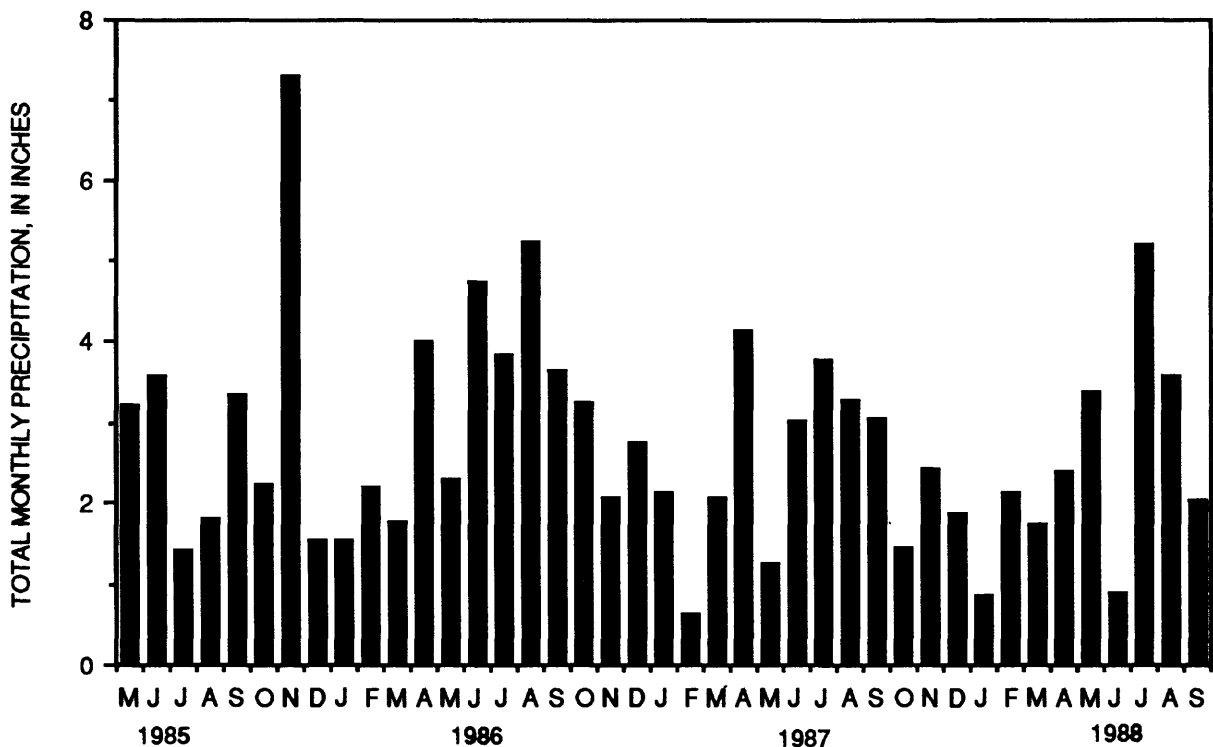
EQUIPMENT.--Weighing bucket rain gage with graphic recorder.

REMARKS.--Records good except those for estimated precipitation, which are fair. During periods of missing or doubtful precipitation record, the total precipitation for a given period (usually between inspections) is normally known. Records from nearby precipitation gages are then used to estimate the distribution of the known total precipitation over the given period.

ANNUAL MAXIMUM--Maximum total daily precipitation for water years 1985*-88:

Water year	Date	Precipitation (inches)
1985*	Sept. 8	1.27
1986	Aug. 7	1.88
1987	June 22	1.55
1988	July 17	1.80

* May 1 to September 30 of first year of record.

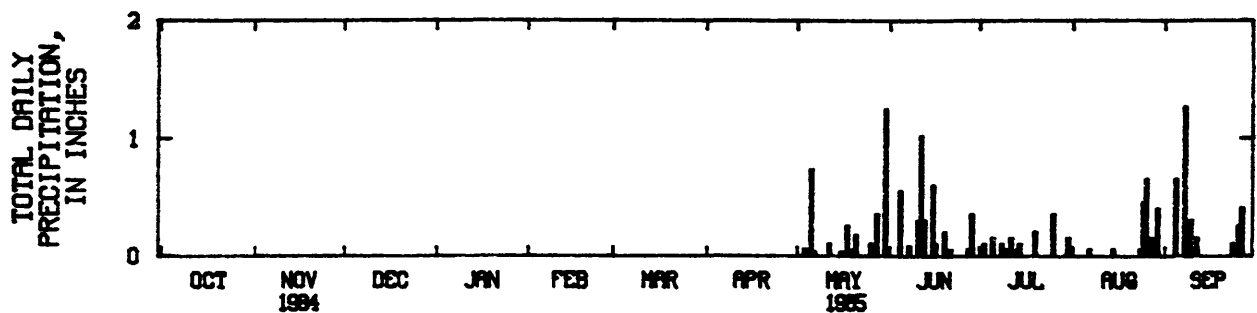


TOTAL DAILY PRECIPITATION
GENESEE RIVER BASIN

430117077350101. AT MENDON PONDS--continued

TOTAL DAILY PRECIPITATION, INCHES, PERIOD MAY TO SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	--	--	--	--	--	--	--	0.00	0.00	0.00	0.00	0.00
2	--	--	--	--	--	--	--	.00	.00	.00	.00	.00
3	--	--	--	--	--	--	--	.00	.00	.10	.00	.00
4	--	--	--	--	--	--	--	.05	.00	.00	.00	.00
5	--	--	--	--	--	--	--	.03	.55	.00	.00	.65
6	--	--	--	--	--	--	--	.73	.00	.15	.00	.00
7	--	--	--	--	--	--	--	.03	.00	.00	.05	.00
8	--	--	--	--	--	--	--	.00	.08	.00	.00	1.27
9	--	--	--	--	--	--	--	.00	.00	.10	.00	.25
10	--	--	--	--	--	--	--	.00	.00	.05	.00	.30
11	--	--	--	--	--	--	--	.00	.30	.00	.00	.00
12	--	--	--	--	--	--	--	.10	1.02	.15	.00	.15
13	--	--	--	--	--	--	--	.00	.30	.00	.00	.00
14	--	--	--	--	--	--	--	.00	.00	.05	.00	.00
15	--	--	--	--	--	--	--	.00	.00	.10	.05	.00
16	--	--	--	--	--	--	--	.03	.60	.00	.00	.00
17	--	--	--	--	--	--	--	.00	.10	.00	.00	.00
18	--	--	--	--	--	--	--	.25	.00	.00	.00	.00
19	--	--	--	--	--	--	--	.00	.00	.00	.00	.00
20	--	--	--	--	--	--	--	.05	.20	.20	.00	.00
21	--	--	--	--	--	--	--	.17	.00	.00	.00	.00
22	--	--	--	--	--	--	--	.00	.05	.00	.00	.00
23	--	--	--	--	--	--	--	.00	.00	.00	.00	.00
24	--	--	--	--	--	--	--	.00	.00	.00	.05	.10
25	--	--	--	--	--	--	--	.00	.00	.00	.45	.00
26	--	--	--	--	--	--	--	.10	.00	.35	.65	.25
27	--	--	--	--	--	--	--	.10	.00	.00	.00	.40
28	--	--	--	--	--	--	--	.35	.05	.00	.15	.00
29	--	--	--	--	--	--	--	.00	.35	.00	.00	.00
30	--	--	--	--	--	--	--	.00	.00	.00	.40	.00
31	--	--	--	--	--	--	--	1.25	---	.15	.00	---
TOTAL	--	--	--	--	--	--	--	3.24	3.60	1.40	1.80	3.37



TOTAL DAILY PRECIPITATION

GENESEE RIVER BASIN

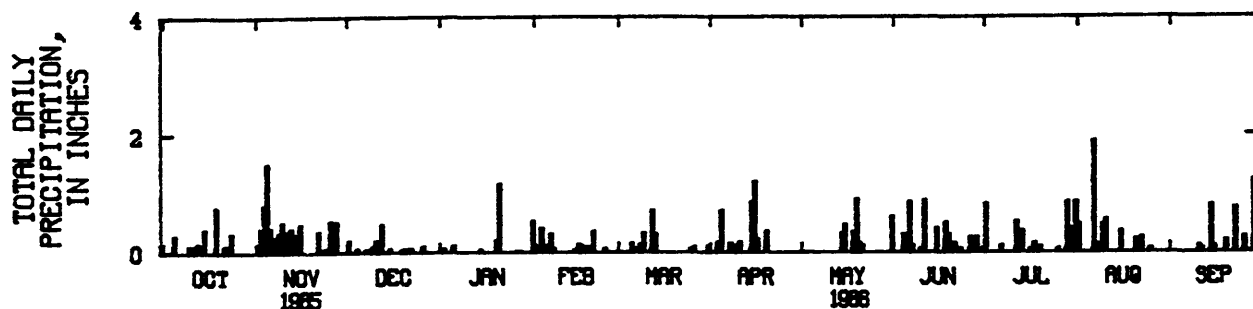
430117077350101. AT MENDON PONDS—continued

TOTAL DAILY PRECIPITATION, INCHES, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.05	0.00	0.00	0.00	0.52	0.00	0.10	0.00	0.60	0.05	0.85	0.00
2	.00	.00	.20	.00	.10	.00	.00	.00	.00	.82	.47	.00
3	.00	.40	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00
4	.00	.80	.00	.00	.40	.00	.17	.00	.00	.00	.00	.00
5	.28	1.50	.05	.00	.10	.00	.70	.00	.30	.00	.00	.00
6	.00	.40	.00	.10	.00	.15	.00	.00	.05	.00	.00	.00
7	.00	.03	.00	.00	.30	.05	.00	.00	.85	.10	1.88	.00
8	.00	.25	.03	e.00	.05	.00	.15	.00	.10	.00	.13	.00
9	.00	.32	.03	e.00	.00	.13	.00	.00	.00	.00	.00	.00
10	.10	.50	.10	e.00	.00	.32	.10	.00	.00	.00	.47	.00
11	.00	.08	.20	e.00	.00	.00	.17	.00	.05	.00	.55	.10
12	.10	.35	.15	e.00	.00	.00	.00	.00	.88	.52	.00	.05
13	.15	.40	.47	e.00	.00	.70	.00	.00	.00	.15	.00	.00
14	.00	.30	e.00	e.00	.00	.30	.00	.00	.00	.35	.00	.00
15	.38	.00	e.00	e.03	.03	.00	.85	.32	.00	.00	.00	.80
16	.00	.47	.05	e.00	.13	.00	1.20	.47	.40	.00	.35	.08
17	.00	.00	.00	.00	.10	.00	.22	.00	.00	.05	.00	.00
18	.00	.00	.00	.00	.00	.00	.00	.00	.00	.15	.00	.00
19	.75	.00	.00	.00	.08	.00	.00	.35	.50	.03	.00	.00
20	.00	.00	.03	.20	.00	.00	.35	.90	.30	.08	.00	.20
21	.00	.00	.05	1.15	.35	.00	.00	.15	.00	.00	.22	.00
22	.10	.35	.05	e.00	.00	.00	.00	.10	.15	.00	.00	.00
23	.00	.03	.05	e.00	.00	.00	.00	.00	.00	.00	.25	.75
24	.32	.00	.00	e.00	.00	.00	.00	.00	.05	.00	.00	.00
25	.00	.05	.00	e.00	.05	.00	.00	.00	.00	.00	.00	.00
26	.00	.52	.00	e.00	.00	.05	.00	.00	.00	.05	.05	.25
27	.00	.05	.08	e.01	.00	.08	.00	.00	.25	.00	.00	.00
28	.00	.50	.00	e.01	.00	.00	.00	.00	.00	.00	.00	.00
29	.00	.00	.00	.00	---	.00	.00	.00	.25	.85	.00	1.23
30	.00	.00	.00	.00	---	.00	.00	.00	.00	.25	.00	.20
31	.00	---	.00	.00	---	.00	---	.00	---	.40	.00	---
TOTAL	2.23	7.30	1.54	1.55	2.21	1.78	4.01	2.29	4.73	3.85	5.22	3.66

WTR YR 1986 TOTAL 40.37

e Estimated



TOTAL DAILY PRECIPITATION
GENESEE RIVER BASIN

430117077350101. AT MENDON PONDS--continued

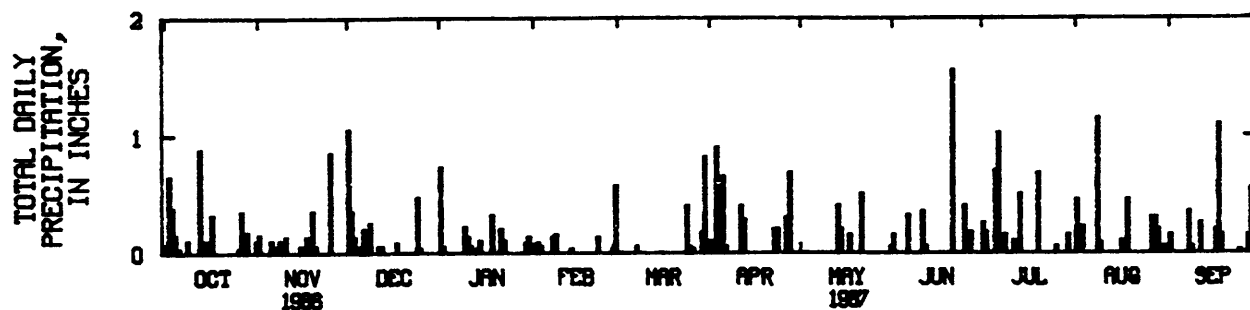
TOTAL DAILY PRECIPITATION, INCHES, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.10	0.00	0.00	0.00	0.57	0.00	0.00	0.05	0.00	0.00	0.00
2	.00	.15	1.05	.73	.00	.00	.10	.00	.15	.25	.45	.15
3	.65	.00	.35	.05	.08	.00	.00	.00	.00	.17	.00	.00
4	.38	.00	.13	.00	.05	.00	.90	.00	.00	.00	.22	.00
5	.15	.00	.00	.00	.00	.00	.40	.00	.00	.00	.00	.00
6	.03	.10	.05	.00	.00	.00	.65	.00	.00	.70	.00	.00
7	.00	.00	.20	.00	.00	.00	.05	.00	.32	1.02	.00	.00
8	.00	.05	.05	.00	.13	.05	.00	.00	.00	.00	.00	.35
9	.10	.10	.25	.00	.15	.00	.00	.00	.00	.15	1.15	.05
10	.00	.00	.00	.22	.00	.00	.00	.00	.00	.00	.08	.00
11	.00	.13	.00	.13	.00	.00	.00	.00	.00	.00	.00	.00
12	.00	.00	.05	.05	.00	.00	.40	.00	.35	.10	.00	.25
13	.88	.00	.05	.00	.00	.00	.28	.00	.05	.00	.00	.00
14	.10	.00	.00	.03	.03	.00	.00	.40	.00	.50	.00	.00
15	.00	.00	.00	.10	e.00	.00	.00	.20	.00	.00	.00	.00
16	.10	.05	.00	.00	e.00	.00	.00	.00	.00	.00	.00	.00
17	.32	.00	.00	.00	.00	.00	.00	.00	.00	.00	.10	.20
18	.00	.13	.08	.00	.00	.00	.00	.15	.00	.00	.00	1.10
19	.00	e.01	.00	.32	.00	.00	.00	.00	.00	.00	.45	.15
20	.00	.35	.00	.00	.00	.00	.00	.00	.00	.68	.00	.00
21	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
22	.00	.00	.00	.20	.00	.00	.00	.50	1.55	.00	.00	.00
23	.00	.00	.00	.10	.13	.00	.20	.00	.00	.00	.00	.00
24	.00	.00	.00	.00	.00	.00	.20	.00	.00	.00	.00	e.00
25	.00	.00	.47	.00	.00	.40	.00	.00	.00	.00	.00	e.02
26	.03	.85	.03	.00	.00	.05	.00	.00	.40	.05	.00	e.00
27	.35	.00	.00	e.00	.00	.03	.30	.00	.00	.00	.30	e.00
28	.00	.00	.00	.00	.05	.00	.68	.00	.17	.00	.30	e.15
29	.17	.00	.00	.00	---	.00	.00	.00	.00	.00	.20	e.55
30	.00	.00	.00	.08	---	.17	.00	.00	.00	.15	.00	.10
31	.00	---	.00	.13	---	.82	---	.00	---	.00	.05	---
TOTAL	3.26	2.07	2.76	2.14	0.62	2.09	4.16	1.25	3.04	3.77	3.30	3.07

CAL YR 1986 TOTAL 37.39

WTR YR 1987 TOTAL 31.53

e Estimated



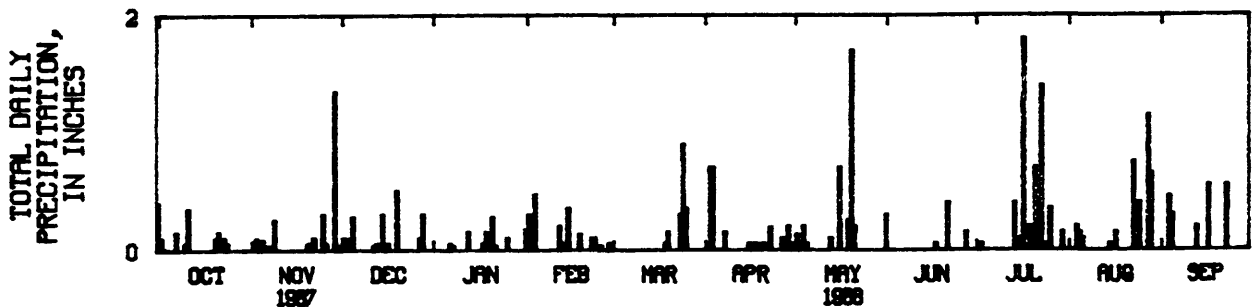
TOTAL DAILY PRECIPITATION
GENESEE RIVER BASIN

430117077350101. AT MENDON PONDS--continued

TOTAL DAILY PRECIPITATION, INCHES, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.40	0.00	0.03	0.00	0.17	0.00	0.00	e0.04	0.30	0.00	0.00	0.00
2	.10	.00	.10	.00	.30	.00	.00	e.13	.00	.00	.00	.00
3	.00	.10	.00	.00	.20	.00	.70	e.03	.00	.05	.00	.00
4	.00	.05	.10	.00	.47	.00	.70	e.20	.00	.00	.20	.45
5	.00	.08	.28	.00	.00	.00	.00	.05	.00	.00	.15	.30
6	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.10	.00
7	.15	.03	.00	.05	.00	.00	.00	.00	.00	.00	.00	.00
8	.00	.00	.00	.03	.00	.00	.15	.00	.00	.00	.00	.00
9	.00	.25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
11	.35	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
12	.00	.00	.03	.00	.20	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.05	.15	.05	.00	.00	.10	.00	.00	.00	.20
14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.40	.00	.00
15	.00	.00	.30	.00	.35	.00	.00	.00	.00	.00	.05	.00
16	.00	.00	.05	.00	.00	.00	.05	.70	.00	.10	.00	.00
17	.00	.00	.05	.00	.00	.00	.05	.00	.00	1.80	.15	.55
18	.00	.00	.00	.05	.00	.00	.05	.00	.05	.00	.00	.00
19	.00	.00	.00	.15	.13	.05	.00	.25	.00	.20	.00	.00
20	.10	.05	.50	.00	.00	.15	e.05	1.70	.00	.00	.00	.00
21	.15	.00	.00	.28	.00	e.00	e.05	.20	.00	.70	.00	.00
22	.00	.10	.00	.03	.00	e.00	e.00	.00	.40	.00	.00	.00
23	.10	.00	.00	.00	.10	e.00	e.19	.00	.00	1.40	.75	.55
24	.05	.00	.00	.00	.10	.30	e.00	.00	.00	.05	.00	.00
25	.00	.30	.00	.00	.00	.90	e.00	.00	.00	.00	.40	.00
26	.00	.05	.00	.10	.03	.35	e.00	.00	.00	.35	.00	.00
27	.00	.00	.00	.00	.00	.00	e.10	.00	.00	.00	.00	.00
28	.00	.00	.10	.00	.00	.00	e.05	.00	.15	.00	1.15	.00
29	.00	1.35	.30	.00	.05	e.00	e.20	.00	.00	.00	.65	.00
30	.00	.03	.00	.00	---	.00	e.05	.00	.00	.15	e.00	.00
31	.00	---	.00	.00	---	.00	---	.00	---	.00	.00	---
TOTAL	1.45	2.42	1.89	0.84	2.15	1.75	2.39	3.40	0.90	5.20	3.60	2.05
CAL YR 1987	TOTAL	29.20										
WTR YR 1988	TOTAL	28.04										

e Estimated



CHEMICAL QUALITY OF PRECIPITATION

GENESEE RIVER BASIN

430117077350101. AT MENDON PONDS--continued

PERIOD OF RECORD.--June 1980 to current year (monthly composite).

June 1980 to current year (monthly wetfall).

June 1980 to current year (monthly dustfall).

EQUIPMENT.-- The composite sample collector is a straight-sided polyethylene funnel approximately 6.5 in. in diameter that drains into a Teflon receiving bottle. A looped plastic tubing connects the funnel with the receiving bottle to retard evaporation. The polyethylene funnel is heated during the cold-weather season to aid in complete collection of snow. The receiving bottle is enclosed in an insulated box. The opening for the collector is approximately 5 ft above ground level.

The wetfall and dustfall sample collector is an Aerochem Metrics Model 301 wet/dry precipitation collector. An automatic sensor detects precipitation and activates a motor that removes the cover from the wetfall-collection vessel and covers the dustfall-collection vessel. When precipitation ceases, the cycle is reversed. The sampling vessels are polyethylene and have a collection diameter of 11.26 in. and a capacity of about 3.4 gallons. The openings of the collectors are approximately 8 ft above ground level.

REMARKS.--Inches of precipitation are obtained from an onsite recording weighing-bucket rain gage.

WETFALL CHEMICAL ANALYSES, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984 MONTHLY WETFALL

DATE			RAIN FALL ACCUM (IN)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	NITRO- GEN, NO ₂ +NO ₃ DIS- SOLVED (MG/L AS N)
SEP	30-OCT	25	--	0.90	0.10	0.10	<0.10	4.0	0.80	0.72
OCT	25-NOV	02	--	.70	.10	.10	.10	3.0	8.1	1.5
NOV	02-08		--	.40	.10	< .10	< .10	4.0	.70	.43
NOV	08-DEC	02	--	3.1	.10	< .10	< .10	3.0	1.1	.62
DEC	02-JAN	05	--	.30	.10	.40	.10	2.0	.50	.41
JAN	05-FEB	01	--	1.9	.40	3.4	.20	3.0	9.4	2.0
FEB	01-MAR	07	--	1.8	.40	2.3	.10	6.0	1.8	1.3
MAR	07-APR	02	--	1.5	.50	1.2	.10	5.0	3.7	1.2
MAY	03-JUN	02	--	1.2	.20	< .05	.20	7.0	.70	.91
JUN	02-JUL	02	--	2.8	.50	.20	.20	12	2.2	1.3
JUL	02-AUG	01	--	3.4	.60	1.0	.20	20	1.0	.41
AUG	01-31		--	1.2	.20	.10	.10	14	1.5	1.2
AUG	31-OCT	01	--	1.6	.10	.20	.10	8.0	1.4	1.0

CHEMICAL QUALITY OF PRECIPITATION

GENESEE RIVER BASIN

430117077350101. AT MENDON PONDS--continued

WETFALL CHEMICAL ANALYSES, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984--continued MONTHLY WETFALL

DATE			NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	ACIDITY (MG/L AS CaCO ₃)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)
SEP	30-OCT	25	0.26	--	0.006	41	--	--	8
OCT	25-NOV	02	.18	--	.008	82	3.8	--	6
NOV	02-08		.12	--	.010	--	4.3	--	10
NOV	08-DEC	02	.19	--	.005	32	4.4	--	7
DEC	02-JAN	05	.10	--	.006	29	4.5	--	7
JAN	05-FEB	01	.29	--	.016	19	3.6	--	7
FEB	01-MAR	07	.33	--	<.005	90	4.2	--	6
MAR	07-APR	02	.32	--	.010	36	4.6	--	8
MAY	03-JUN	02	.69	--	.012	58	3.9	8.4	4
JUN	02-JUL	02	1.00	--	.028	101	3.9	11	6
JUL	02-AUG	01	1.20	--	.039	77	3.9	10	19
AUG	01-31		.65	--	.026	89	--	--	15
AUG	31-OCT	01	.47	--	.006	90	3.8	11	8

CHEMICAL QUALITY OF PRECIPITATION

GENESEE RIVER BASIN

430117077350101. AT MENDON PONDS--continued

WETFALL CHEMICAL ANALYSES, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985 MONTHLY WETFALL

DATE			RAIN FALL ACCUM (IN)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	NITRO- GEN, NO ₂ +NO ₃ DIS- SOLVED (MG/L AS N)
OCT	01-NOV	01	--	1.8	0.40	0.30	0.10	8.0	2.0	1.3
NOV	01-DEC	04	--	1.2	.30	.20	.40	5.0	1.0	.97
DEC	04-JAN	02	--	6.4	1.6	4.4	.20	5.0	5.5	1.5
JAN	02-FEB	01	--	.70	.20	.30	.10	< 1.0	2.6	.83
FEB	01-MAR	01	--	1.6	.40	1.0	.10	39	.90	1.1
MAR	01-APR	01	--	2.0	.50	.90	.20	15	1.5	1.3
APR	01-MAY	01	--	3.2	.70	.50	.30	9.0	1.7	1.4
MAY	01-31		3.23	2.7	.60	.20	.30	12	8.3	2.0
MAY	31-JUN	13	2.25	1.0	.20	.20	.10	< 1.0	1.7	.92
JUN	13-JUL	05	1.35	6.4	.40	.40	.40	< 1.0	8.6	1.4
JUL	05-AUG	01	1.40	1.2	.30	.50	.20	11	2.7	.46
AUG	01-SEP	04	1.80	2.1	.30	.70	.20	15	3.3	.97
SEP	04-OCT	02	3.38	1.3	.20	.20	.10	8.0	.30	.95

DATE			NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	ACIDITY (MG/L AS CaCO ₃)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)
OCT	01-NOV	01	0.98	--	0.016	55	4.0	8.0	23
NOV	01-DEC	04	.64	--	.014	30	4.3	5.8	19
DEC	04-JAN	02	.49	--	.015	48	4.2	8.2	8
JAN	02-FEB	01	.15	--	.013	22	4.9	2.4	8
FEB	01-MAR	01	.32	--	.010	44	4.5	5.1	16
MAR	01-APR	01	.66	--	< .005	56	4.4	7.0	9
APR	01-MAY	01	1.20	--	.014	57	4.9	4.3	19
MAY	01-31		2.00	--	.580	148	3.6	19	13
MAY	31-JUN	13	.59	--	< .005	58	4.0	8.9	9
JUN	13-JUL	05	1.60	--	.033	48	4.7	5.8	7
JUL	05-AUG	01	.88	--	.015	39	4.5	19	11
AUG	01-SEP	04	.72	--	.027	93	3.9	12	22
SEP	04-OCT	02	.72	--	.005	67	4.1	10	5

CHEMICAL QUALITY OF PRECIPITATION

GENESEE RIVER BASIN

430117077350101. AT MENDON PONDS---continued

WETFALL CHEMICAL ANALYSES, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986 MONTHLY WETFALL

DATE		RAIN FALL ACCUM (IN)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	NITRO- GEN, NO ₂ +NO ₃ DIS- SOLVED (MG/L AS N)
OCT	02-20	1.80	0.60	0.10	0.20	0.10	5.0	2.6	0.82
OCT	20-NOV 07	0.43	.40	.03	.06	.03	5.0	1.1	.35
NOV	07-DEC 03	7.30	.62	.10	.10	.03	2.0	.40	.56
DEC	03-JAN 07	1.53	1.7	.30	3.0	.11	8.0	3.8	2.3
JAN	07-FEB 04	1.80	.30	.10	.80	.08	3.0	1.7	.90
FEB	04-MAR 09	2.20	.90	.30	1.3	.12	3.0	2.0	1.8
MAR	09-APR 01	1.78	3.5	.50	.50	.30	10	1.3	2.0
APR	01-MAY 02	4.02	2.6	.30	.40	.10	13	4.2	1.9
MAY	02-JUN 02	2.30	1.0	.20	.10	.09	7.0	.80	.73
JUN	02-JUL 01	4.73	1.2	.09	.09	.07	7.0	.80	.81
JUL	01-AUG 02	3.85	.64	.08	.08	.05	8.0	2.0	1.0
AUG	02-SEP 02	5.23	.72	.08	.10	.05	6.0	.80	.78
SEP	02-OCT 01	3.65	.25	.05	.10	.02	5.0	< .20	.66

DATE		NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	ACIDITY (MG/L AS CaCO ₃)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)
OCT	02-20	0.290	--	--	0.005	--	4.1	7.2	5
OCT	20-NOV 07	0.10	--	0.030	.005	--	4.3	5.1	4
NOV	07-DEC 03	.20	--	.010	< .005	25	4.4	2.6	15
DEC	03-JAN 07	1.10	--	.030	.017	90	4.0	8.7	20
JAN	07-FEB 04	.22	--	.020	< .005	31	4.4	8.4	< 5
FEB	04-MAR 09	.32	--	.020	.006	56	4.1	11	< 5
MAR	09-APR 01	1.20	--	.090	.011	90	4.0	8.9	21
APR	01-MAY 02	.92	--	.040	.010	--	3.7	14	< 5
MAY	02-JUN 02	.42	--	.050	< .005	45	4.1	7.1	< 5
JUN	02-JUL 01	.76	--	.020	< .005	57	3.9	4.9	7
JUL	01-AUG 02	.44	--	.025	.006	72	3.9	11	11
AUG	02-SEP 02	.32	--	.020	< .005	--	4.0	3.8	< 5
SEP	02-OCT 01	.38	--	.040	< .005	46	4.0	6.9	7

CHEMICAL QUALITY OF PRECIPITATION

GENESEE RIVER BASIN

430117077350101. AT MENDON PONDS--continued

WETFALL CHEMICAL ANALYSES, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987 MONTHLY WETFALL

DATE			RAIN FALL ACCUM (IN)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	NITRO- GEN, NO ₂ +NO ₃ DIS- SOLVED (MG/L AS N)
OCT	01-NOV	03	3.25	0.69	0.13	0.12	0.05	5.0	0.40	0.32
NOV	03-DEC	02	2.05	--	--	--	--	3.0	< .20	.70
DEC	02-JAN	05	2.75	--	--	--	--	3.0	2.3	.90
JAN	05-FEB	02	1.35	< 2.5	< 4.0	.60	< .50	< 5.0	< .20	.82
FEB	02-MAR	03	1.18	2.3	.34	1.6	.04	< 5.0	1.2	1.1
MAR	03-APR	01	1.53	--	--	--	--	< 5.0	.80	.63
APR	01-MAY	07	4.15	.69	.18	.24	.09	6.0	.40	1.1
MAY	07-JUN	03	1.45	1.8	.32	.17	.24	20	2.0	1.3
JUN	03-JUL	01	2.85	.66	.13	.14	.12	6.0	.80	.81
JUL	01-AUG	12	5.68	.29	.06	.05	.08	9.0	3.3	.73
AUG	12-SEP	02	1.40	1.0	.22	.15	.16	8.0	2.5	.85
SEP	02-OCT	09	3.00	.32	.05	.10	.05	< 5.0	< 1.0	.55

DATE			NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	ACIDITY (MG/L AS CaCO ₃)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)
OCT	01-NOV	03	0.65	--	0.039	< 0.005	54	4.0	9.2	8
NOV	03-DEC	02	.14	--	.009	< .005	17	4.6	4.2	6
DEC	02-JAN	05	.28	--	.005	< .005	35	4.4	7.7	--
JAN	05-FEB	02	.31	--	.025	.009	33	4.4	5.3	--
FEB	02-MAR	03	.26	--	.030	.010	--	4.5	4.2	7
MAR	03-APR	01	.26	--	.020	< .005	29	4.5	4.3	6
APR	01-MAY	07	.70	1.2	.045	.005	65	4.0	9.7	12
MAY	07-JUN	03	.92	2.0	.120	.025	89	3.8	13	22
JUN	03-JUL	01	.64	.92	.025	.005	59	4.0	9.4	< 5
JUL	01-AUG	12	--	.55	.020	.005	66	3.9	10	6
AUG	12-SEP	02	.53	.60	.050	.015	--	4.2	6.8	7
SEP	02-OCT	09	.29	.44	.015	.004	40	4.1	7.0	6

CHEMICAL QUALITY OF PRECIPITATION

GENESEE RIVER BASIN

430117077350101. AT MENDON PONDS--continued

WETFALL CHEMICAL ANALYSES, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988 MONTHLY WETFALL

DATE			RAIN FALL ACCUM (IN)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	NITRO- GEN, NO ₂ +NO ₃ DIS- SOLVED (MG/L AS N)
OCT	09-NOV	06	0.95	5.9	1.3	0.94	0.70	--	5.2	8.9
NOV	06-DEC	02	2.21	.60	.12	.24	.06	< 5.0	.40	2.4
DEC	02-JAN	05	1.85	.82	.18	.50	.05	< 5.0	1.5	.96
JAN	05-FEB	01	.83	1.1	.22	1.7	.08	< 5.0	3.8	1.2
FEB	01-MAR	02	2.15	.96	.23	1.0	.08	< 10	2.1	1.3
MAR	02-APR	04	2.45	.66	.14	.66	.04	< 10	.20	.86
APR	04-MAY	02	1.00	1.7	.36	.23	.13	< 10	.40	1.2
MAY	02-JUN	02	3.30	.07	.03	< .12	< .12	< 10	.80	.45
JUN	02-JUL	01	.60	.64	.15	< .12	< .12	< 10	.60	.54
JUL	01-AUG	04	5.20	.26	.05	< .12	< .12	< 1.0	< 1.0	.57
AUG	05-SEP	01	3.40	.14	.05	.03	.09	< 10	.30	.50
SEP	01-OCT	05	2.45	.13	.03	< .01	.04	< 10	1.0	.56

DATE			NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	ACIDITY (MG/L AS CaCO ₃)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)
OCT	09-NOV	06	0.54	--	0.140	0.014	230	3.6	41	14
NOV	06-DEC	02	.24	--	.015	.003	67	--	--	< 5
DEC	02-JAN	05	.34	--	.020	.008	55	4.4	6.8	5
JAN	05-FEB	01	.19	--	.040	.015	75	--	--	< 5
FEB	01-MAR	02	.27	--	.025	.012	55	--	--	6
MAR	02-APR	04	.59	--	.160	.003	31	4.5	5.0	8
APR	04-MAY	02	1.10	1.8	.070	.013	43	4.5	6.2	8
MAY	02-JUN	02	.27	.15	.020	.008	25	--	--	< 5
JUN	02-JUL	01	.43	.99	.025	.004	24	4.6	4.4	8
JUL	01-AUG	04	.60	.73	.070	.036	40	4.2	6.6	< 5
AUG	05-SEP	01	.42	.83	.030	.003	38	4.0	6.9	13
SEP	01-OCT	05	.27	.36	.010	< .002	42	4.1	7.3	13

CHEMICAL QUALITY OF PRECIPITATION

GENESEE RIVER BASIN

430117077350101. AT MENDON PONDS--continued

DUSTFALL CHEMICAL ANALYSES, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984 MONTHLY DUSTFALL

DATE			RAIN- FALL ACCUM (IN)	CALCIUM, DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	SULFATE, DIS- SOLVED (MG/L AS SO ₄)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	NITRO- GEN, NO ₂ +NO ₃ DIS- SOLVED (MG/L AS N)
SEP	30-NOV	02	--	1.2	0.30	0.10	0.10	4.0	1.5	0.63
NOV	02-DEC	02	--	.80	.20	.3	.10	4.0	.70	.48
DEC	02-JAN	05	--	1.4	.20	2.4	.20	5.0	2.5	1.0
MAR	07-APR	02	--	1.9	.50	1.6	.10	6.0	1.6	1.4
MAY	03-JUN	02	--	2.1	.40	< .05	.50	12	3.4	1.8
JUN	02-JUL	02	--	3.8	.90	.20	1.5	15	.70	1.4
JUL	02-AUG	01	--	3.3	.50	.20	.50	18	1.3	.41
AUG	01-31		--	1.5	.30	.30	.70	18	1.0	1.2
AUG	31-OCT	01	--	2.9	.40	.30	1.1	15	6.6	1.4

DATE			NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	ACIDITY (MG/L AS CaCO ₃)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)
SEP	30-NOV	02	0.14	--	0.016	16	5.4	--	6
NOV	02-DEC	02	.51	--	.009	21	5.2	--	10
DEC	02-JAN	05	.27	--	.015	39	4.7	--	20
MAR	07-APR	02	.49	--	.006	46	4.6	--	8
MAY	03-JUN	02	1.20	--	.065	118	3.6	16	6
JUN	02-JUL	02	.73	--	.260	61	5.0	5.0	5
JUL	02-AUG	01	3.00	--	.110	54	5.5	3.8	16
AUG	01-31		1.60	--	.190	101	--	--	27
AUG	31-OCT	01	4.50	--	.640	76	6.1	5.2	14

CHEMICAL QUALITY OF PRECIPITATION

GENESEE RIVER BASIN

430117077350101. AT MENDON PONDS--continued

DUSTFALL CHEMICAL ANALYSES, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985 MONTHLY DUSTFALL

DATE	RAIN FALL ACCUM (IN)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	NITRO- GEN, NO ₂ +NO ₃ DIS- SOLVED (MG/L AS N)
OCT 01-NOV 01	--	2.4	0.50	0.20	0.20	9.0	0.40	1.5
NOV 01-DEC 04	--	2.0	.40	.20	.10	8.0	1.0	1.5
DEC 04-JAN 02	--	2.0	.30	1.0	.10	4.0	1.9	1.2
JAN 02-FEB 01	--	1.0	.20	1.4	.10	2.0	3.0	1.3
FEB 01-MAR 01	--	2.2	.60	2.6	.10	71	4.1	2.9
MAR 01-APR 01	--	2.0	.50	1.1	.10	8.0	.70	1.4
APR 01-MAY 01	--	4.6	1.2	.60	.90	14	1.8	1.8
MAY 01-31	3.23	4.4	1.1	.30	.60	16	1.6	1.5
MAY 31-JUL 05	3.60	4.8	1.3	.40	2.2	26	2.1	2.1
JUL 05-AUG 01	1.40	3.1	.40	.30	.20	11	1.0	1.1
AUG 01-SEP 04	1.80	1.0	.20	.90	.20	12	5.4	.11
SEP 04-OCT 02	3.38	2.0	.30	.20	.10	8.0	.60	.61

DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	ACIDITY (MG/L AS CaCO ₃)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)
OCT 01-NOV 01	1.40	--	0.028	54	4.3	6.0	22
NOV 01-DEC 04	1.00	--	.022	59	4.2	8.0	26
DEC 04-JAN 02	.45	--	.013	48	4.2	7.1	3
JAN 02-FEB 01	.43	--	.016	39	4.4	1.6	11
FEB 01-MAR 01	.71	--	.020	89	4.0	9.7	35
MAR 01-APR 01	.87	--	<.005	110	4.4	6.7	11
APR 01-MAY 01	1.50	--	.240	64	5.7	4.5	36
MAY 01-31	2.00	--	.090	72	4.5	6.9	19
MAY 31-JUL 05	4.00	--	.039	111	5.1	13	7
JUL 05-AUG 01	.72	--	.046	73	4.0	12	13
AUG 01-SEP 04	.48	--	.019	20	5.5	3.3	3
SEP 04-OCT 02	.39	--	.017	50	4.8	4.9	4

CHEMICAL QUALITY OF PRECIPITATION

GENESEE RIVER BASIN

430117077350101. AT MENDON PONDS--continued

DUSTFALL CHEMICAL ANALYSES, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986 MONTHLY DUSTFALL

DATE			RAIN FALL ACCUM (IN)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	NITRO- GEN, NO ₂ +NO ₃ DIS- SOLVED (MG/L AS N)
OCT	02-NOV	07	2.23	2.0	0.40	0.20	0.20	5.0	2.0	2.0
NOV	07-DEC	03	7.30	1.9	.30	.37	.12	5.0	.90	1.4
DEC	03-JAN	07	1.53	1.1	.20	1.6	.07	8.0	2.5	1.2
JAN	07-FEB	04	1.80	2.2	.50	3.8	.21	7.0	5.9	2.1
FEB	04-MAR	09	2.20	2.3	.50	2.7	.08	17	3.2	2.3
MAR	09-APR	01	1.78	3.5	.30	.50	.30	7.0	.90	.86
APR	01-MAY	02	4.02	3.6	.70	.30	.26	14	.60	.89
MAY	02-JUN	02	2.30	5.4	.90	.30	.50	12	11	1.8
JUN	02-JUL	01	4.73	--	--	--	--	10	.80	.35
JUL	01-AUG	02	3.85	1.2	.24	.21	.40	4.0	2.8	.62
AUG	02-SEP	02	5.23	2.4	.31	.54	.53	6.0	1.9	.62
SEP	02-OCT	01	3.65	4.3	.75	.17	1.4	10	< .20	.94

DATE			NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	ACIDITY (MG/L AS CaCO ₃)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)
OCT	02-NOV	07	0.55	0.110	0.067	--	3.9	12	5
NOV	07-DEC	03	.73	.030	.011	45	4.3	4.7	10
DEC	03-JAN	07	.45	.020	.010	51	4.3	6.1	21
JAN	07-FEB	04	.89	.050	.019	75	4.1	8.9	8
FEB	04-MAR	09	.91	.030	.018	70	4.2	6.7	6
MAR	09-APR	01	.43	.070	.014	28	6.7	1.1	< 5
APR	01-MAY	02	.65	.130	.026	--	6.1	2.2	< 5
MAY	02-JUN	02	.16	.280	.063	108	3.8	14	< 5
JUN	02-JUL	01	.82	.510	.290	38	5.2	2.7	19
JUL	01-AUG	02	.37	.080	.020	31	4.5	5.8	21
AUG	02-SEP	02	.18	.310	.220	--	5.6	1.7	12
SEP	02-OCT	01	.36	.180	.086	50	4.6	4.1	8

CHEMICAL QUALITY OF PRECIPITATION

GENESEE RIVER BASIN

430117077350101. AT MENDON PONDS--continued

DUSTFALL CHEMICAL ANALYSES, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987 MONTHLY DUSTFALL

DATE			RAIN FALL ACCUM (IN)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	NITRO- GEN, NO ₂ +NO ₃ DIS- SOLVED (MG/L AS N)
OCT	01-NOV	03	3.25	2.3	0.41	0.16	0.54	6.0	0.20	0.65
NOV	03-DEC	02	2.05	--	--	--	--	5.0	20	1.4
DEC	02-JAN	05	2.75	--	--	--	--	3.0	1.7	1.1
JAN	05-FEB	02	1.35	< 2.5	< 4.0	2.4	< .50	< 5.0	3.3	1.9
FEB	02-MAR	03	1.18	2.0	.43	3.3	.05	< 5.0	4.3	1.5
MAR	03-APR	01	1.53	--	--	--	--	< 5.0	3.7	.58
APR	01-MAY	07	4.15	3.3	.69	.56	.65	9.0	1.3	1.0
MAY	07-JUN	03	1.45	3.3	.48	.26	.81	12	.80	.82
JUN	03-JUL	01	2.85	.40	.66	.29	1.0	6.0	1.2	.53
JUL	01-AUG	12	5.68	2.2	.52	.16	.62	10	11	.46
AUG	12-SEP	02	1.40	1.8	.55	.14	.95	8.0	2.9	.66
SEP	02-OCT	09	3.00	2.4	.57	.40	3.8	9.0	2.1	.77

DATE			NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	ACIDITY (MG/L AS CaCO ₃)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)
OCT	01-NOV	03	0.30	--	0.250	0.180	31	5.2	4.0	16
NOV	03-DEC	02	.62	--	.210	.160	39	4.9	4.4	7
DEC	02-JAN	05	.46	--	.015	.007	25	5.4	3.0	--
JAN	05-FEB	02	.86	--	.025	.015	73	4.1	8.8	--
FEB	02-MAR	03	.44	--	.030	< .005	--	5.9	2.0	13
MAR	03-APR	01	.22	--	.050	.014	36	5.9	2.4	13
APR	01-MAY	07	.34	2.1	.270	.085	40	6.1	7.5	8
MAY	07-JUN	03	.13	1.6	.460	.085	43	5.7	2.9	29
JUN	03-JUL	01	.63	2.9	.520	.380	31	6.7	3.5	< 5
JUL	01-AUG	12	--	1.2	.260	.160	29	5.4	3.5	10
AUG	12-SEP	02	.23	.68	.240	.130	--	5.6	2.3	< 5
SEP	02-OCT	09	.72	1.5	1.40	.920	44	5.5	5.4	6

CHEMICAL QUALITY OF PRECIPITATION

GENESEE RIVER BASIN

430117077350101. AT MENDON PONDS--continued

DUSTFALL CHEMICAL ANALYSES, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988 MONTHLY DUSTFALL

DATE			RAIN FALL ACCUM (IN)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	NITRO- GEN, NO ₂ +NO ₃ DIS- SOLVED (MG/L AS N)
OCT	09-NOV	06	0.95	2.0	0.30	0.38	0.22	5.0	1.0	0.92
NOV	06-DEC	02	2.21	2.3	.37	1.3	.34	< 5.0	2.1	2.1
DEC	02-JAN	05	1.85	2.6	.45	2.0	.10	< 5.0	2.1	1.8
JAN	05-FEB	01	.83	1.8	.38	3.6	.12	< 5.0	4.4	1.4
FEB	01-MAR	02	2.15	1.8	.45	2.2	.08	< 10	2.7	1.8
MAR	02-APR	04	2.45	3.0	.56	1.5	.19	< 10	1.1	1.4
APR	04-MAY	02	1.00	3.2	.68	.34	.30	12	0.40	1.4
MAY	02-JUN	02	3.30	2.1	.47	.14	.63	< 10	0.80	.65
JUN	02-JUL	01	.60	3.0	.62	.38	1.9	< 10	2.1	< .01
JUL	01-AUG	05	5.20	1.5	.35	< .12	.72	2.0	< 1.0	.27
AUG	05-SEP	02	3.40	--	--	--	--	10	.60	.25
SEP	02-OCT	05	2.45	1.6	4.2	.09	< .01	< 10	.20	.35

DATE			NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	ACIDITY (MG/L AS CaCO ₃)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)
OCT	09-NOV	06	0.54	--	0.290	0.010	30	5.6	2.9	8
NOV	06-DEC	02	.45	--	.050	.018	66	--	--	13
DEC	02-JAN	05	.71	--	.025	.005	27	5.8	3.4	21
JAN	05-FEB	01	.27	--	.180	.007	41	--	--	< 5
FEB	01-MAR	02	.58	--	.035	.007	42	--	--	10
MAR	02-APR	04	.43	--	.085	.017	37	5.3	2.0	11
APR	04-MAY	02	1.30	2.0	.100	.027	48	5.7	2.7	11
MAY	02-JUN	02	.12	2.2	.270	.010	28	--	--	6
JUN	02-JUL	01	1.10	8.1	1.02	.580	35	6.0	4.4	22
JUL	01-AUG	05	.26	2.3	.860	.310	21	5.8	3.0	16
AUG	05-SEP	02	.14	.48	.060	.026	11	4.9	3.2	7
SEP	02-OCT	05	.38	.61	.090	.024	26	5.6	2.2	7

CHEMICAL QUALITY OF PRECIPITATION

GENESEE RIVER BASIN

430117077350101. AT MENDON PONDS--continued

BULK CHEMICAL ANALYSES, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984 MONTHLY COMPOSITE

DATE			RAIN FALL ACCUM (IN)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	NITRO- GEN, NO ₂ +NO ₃ DIS- SOLVED (MG/L AS N)
SEP	30-NOV	02	--	0.80	0.10	0.10	0.10	4.0	0.80	0.68
NOV	02-DEC	02	--	.50	.10	< .10	< .10	2.0	1.0	.47
DEC	02-JAN	05	--	.20	.10	.20	< .10	3.0	< .20	.91
JAN	05-FEB	01	--	.60	.20	1.4	.50	3.0	5.1	1.8
FEB	01-MAR	07	--	.80	.10	.50	.10	2.0	< .20	.78
MAR	07-APR	02	--	.80	.20	.60	.10	2.0	.80	.45
APR	02-MAY	03	--	.60	.10	.10	.10	3.0	.30	--
MAY	03-JUN	02	--	.40	.10	< .05	< .10	4.0	.60	.48
JUN	02-JUL	02	--	1.2	.20	< .05	.10	6.0	< .20	.57
JUL	02-AUG	01	--	1.0	.20	.10	.20	11	.90	.71
AUG	01-31	--	--	.40	.10	.20	.50	6.0	.70	.48
AUG	31-OCT	01	--	.50	.10	.20	< .10	4.0	1.9	.54

DATE			NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	ACIDITY (MG/L AS CaCO ₃)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)
SEP	30-NOV	02	0.24	--	0.012	30	4.3	--	5
NOV	02-DEC	02	.19	--	.008	27	4.4	--	3
DEC	02-JAN	05	.27	--	.013	31	4.3	--	4
JAN	05-FEB	01	.43	--	.029	56	4.3	--	--
FEB	01-MAR	07	.37	--	< .005	37	--	--	8
MAR	07-APR	02	.23	--	.008	18	4.9	--	3
APR	02-MAY	03	--	--	.016	39	4.2	6.4	--
MAY	03-JUN	02	.29	--	.010	35	4.1	5.7	3
JUN	02-JUL	02	.53	--	.033	53	4.2	6.0	3
JUL	02-AUG	01	.44	--	.014	55	4.0	9.7	18
AUG	01-31	--	2.00	--	.270	30	--	--	11
AUG	31-OCT	01	.09	--	.014	34	4.1	5.2	3

CHEMICAL QUALITY OF PRECIPITATION

GENESEE RIVER BASIN

430117077350101. AT MENDON PONDS--continued

BULK CHEMICAL ANALYSES, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985 MONTHLY COMPOSITE

DATE			RAIN FALL ACCUM (IN)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	NITRO- GEN, NO ₂ +NO ₃ DIS- SOLVED (MG/L AS N)
OCT	01-NOV	01	--	0.50	0.10	< 0.05	0.50	3.0	0.40	0.54
NOV	01-DEC	04	--	.50	.10	.10	.30	2.0	.70	.65
DEC	04-JAN	02	--	.50	.30	.20	.10	2.0	1.4	.84
JAN	02-FEB	01	--	.40	.10	.40	.10	1.0	1.3	.51
FEB	01-MAR	01	--	.80	.20	.80	.10	25	.90	1.0
MAR	01-APR	01	--	.50	.20	.30	.90	4.0	1.0	.62
APR	01-MAY	01	--	1.2	.30	.20	.10	4.0	2.9	1.2
MAY	01-31		3.23	1.6	.50	.20	1.3	10	1.3	1.2
MAY	31-JUL	05	3.60	1.0	.10	.10	.10	11	.60	.68
JUL	05-AUG	01	1.40	2.6	.80	.30	.60	13	.60	1.0
AUG	01-SEP	04	1.80	1.6	.20	.70	.10	9.0	.80	.96
SEP	04-OCT	02	3.38	.70	.10	.10	.10	6.0	.30	.75

DATE			NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	ACIDITY (MG/L AS CaCO ₃)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)
OCT	01-NOV	01	0.32	--	0.070	22	4.5	4.0	--
NOV	01-DEC	04	.37	--	.011	26	4.5	4.2	2
DEC	04-JAN	02	.30	--	.012	37	4.2	6.1	9
JAN	02-FEB	01	.22	--	.014	16	5.0	1.6	1
FEB	01-MAR	01	.24	--	.020	37	4.4	4.8	8
MAR	01-APR	01	1.40	--	.340	25	6.1	4.3	1
APR	01-MAY	01	1.10	--	.014	267	5.3	3.4	6
MAY	01-31		2.80	--	.490	52	6.0	4.1	< 5
MAY	31-JUL	05	.94	--	< .005	41	4.3	17	< 5
JUL	05-AUG	01	1.20	--	.330	54	4.7	22	13
AUG	01-SEP	04	.42	--	.005	77	3.9	14	5
SEP	04-OCT	02	.21	--	.005	74	4.0	14	3

CHEMICAL QUALITY OF PRECIPITATION

GENESEE RIVER BASIN

430117077350101. AT MENDON PONDS--continued

BULK CHEMICAL ANALYSES, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986 MONTHLY COMPOSITE

DATE	RAIN FALL ACCUM (IN)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	NITRO- GEN, NO ₂ +NO ₃ DIS- SOLVED (MG/L AS N)
OCT 02-NOV 07	2.23	0.80	0.05	0.05	0.02	5.0	0.70	0.48
NOV 07-DEC 03	7.30	1.1	.10	.11	.03	2.0	0.60	1.0
DEC 03-JAN 07	1.53	1.1	.20	1.1	.17	8.0	1.9	1.8
JAN 07-FEB 04	1.80	2.6	.70	1.0	.11	10	1.7	.90
FEB 04-MAR 09	2.20	.30	.07	.40	.03	< 1.0	14	.74
MAR 09-APR 01	1.78	.90	.10	.20	.04	9.0	0.60	.91
APR 01-MAY 02	4.02	1.1	.20	.07	.02	12	0.50	1.4
MAY 02-JUN 02	2.30	1.4	.20	.10	.20	5.0	0.80	.64
JUN 02-JUL 01	4.73	.56	.12	.04	.10	6.0	< 0.20	.68
JUL 01-AUG 02	3.85	.72	.20	.15	.36	5.0	1.2	.13
AUG 02-SEP 02	5.23	.43	.06	.02	.05	6.0	0.80	.61
SEP 02-OCT 01	3.65	.76	.10	.09	.10	6.0	< 0.20	.64

DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L)	PHOS- PHORUS TOTAL (MG/L)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L)	SPE- CIFIC CON- DUCT- ANCE	PH (STAND- ARD)	ACIDITY (MG/L AS)	LEAD, TOTAL RECOV- ERABLE (UG/L)
OCT 02-NOV 07	0.10	--	0.020	0.005	--	4.4	5.0	1
NOV 07-DEC 03	.22	--	< .010	< .005	30	4.3	4.7	25
DEC 03-JAN 07	.73	--	.020	.014	86	4.0	9.0	5
JAN 07-FEB 04	.40	--	.040	.009	47	4.0	7.4	12
FEB 04-MAR 09	.15	--	< .010	< .005	34	4.2	5.6	< 5
MAR 09-APR 01	.43	--	.010	< .005	51	4.1	6.7	< 5
APR 01-MAY 02	.70	--	.020	< .005	--	4.1	6.6	< 5
MAY 02-JUN 02	.71	--	.030	.030	44	4.2	7.7	< 5
JUN 02-JUL 01	.32	--	.020	< .005	62	3.9	6.3	6
JUL 01-AUG 02	.27	--	.180	.150	33	4.6	8.5	< 5
AUG 02-SEP 02	.22	--	.020	.011	--	--	4.6	5
SEP 02-OCT 01	.74	--	.120	.020	62	4.0	10	6

CHEMICAL QUALITY OF PRECIPITATION

GENESEE RIVER BASIN

430117077350101. AT MENDON PONDS--continued

BULK CHEMICAL ANALYSES, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987 MONTHLY COMPOSITE

DATE			RAIN FALL ACCUM (IN)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	NITRO- GEN, NO ₂ +NO ₃ DIS- SOLVED (MG/L AS N)
OCT	01-NOV	03	3.25	0.49	0.06	0.10	0.18	4.0	0.40	0.30
NOV	03-DEC	02	2.05	--	--	--	--	4.0	< .20	.83
DEC	02-JAN	05	2.75	--	--	--	--	4.0	1.0	.84
JAN	05-FEB	02	1.35	< 2.5	< 4.0	< .50	< .50	< 5.0	.80	.62
FEB	02-MAR	03	1.18	< .20	.16	.73	.05	< 5.0	1.4	.79
MAR	03-APR	01	1.53	--	--	--	--	< 5.0	1.0	1.3
APR	01-MAY	07	4.15	.89	.18	.26	.11	6.0	7.8	1.2
MAY	07-JUN	03	1.45	1.5	.22	.09	.22	11	.40	.34
JUN	03-JUL	01	2.85	.78	.17	.06	.14	6.0	1.2	.50
JUL	01-AUG	12	5.68	.45	.09	.10	.09	8.0	210	.44
AUG	12-SEP	02	1.40	.45	.09	.02	.08	3.0	2.5	.37
SEP	02-OCT	09	3.00	.39	.07	.09	.05	< 5.0	< 1.0	.03

DATE			NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	ACIDITY (MG/L AS CaCO ₃)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)
OCT	01-NOV	03	< 0.01	--	0.120	0.096	45	4.1	8.8	7
NOV	03-DEC	02	.34	--	.030	.030	38	4.3	6.4	7
DEC	02-JAN	05	.57	--	--	--	52	4.2	6.3	--
JAN	05-FEB	02	.38	--	.025	.030	31	4.4	4.6	--
FEB	02-MAR	03	.31	--	.030	.039	--	4.4	3.7	17
MAR	03-APR	01	.23	--	.025	< .005	35	4.4	5.4	< 5
APR	01-MAY	07	.89	1.5	.050	.035	50	4.2	6.4	10
MAY	07-JUN	03	.71	1.1	.150	.090	24	4.7	4.4	5
JUN	03-JUL	01	.22	1.3	.065	.005	59	3.9	16	< 5
JUL	01-AUG	12	--	.82	.140	.010	67	3.9	16	< 5
AUG	12-SEP	02	.04	.55	.050	.002	--	4.3	6.5	< 5
SEP	02-OCT	09	.06	.35	.010	.002	49	4.0	9.7	< 5

CHEMICAL QUALITY OF PRECIPITATION

GENESEE RIVER BASIN

430117077350101. AT MENDON PONDS--continued

BULK CHEMICAL ANALYSES, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988 MONTHLY COMPOSITE

DATE			RAIN FALL ACCUM (IN)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	NITRO- GEN, NO ₂ +NO ₃ DIS- SOLVED (MG/L AS N)
OCT	09-NOV	06	0.95	1.2	0.34	0.31	3.3	--	1.0	1.3
NOV	06-DEC	02	2.21	.50	.09	.25	.09	< 5.0	< .20	.75
DEC	02-JAN	05	1.85	.42	.08	.38	.10	< 5.0	.60	.75
JAN	05-FEB	01	.83	.84	.14	.85	.14	< 5.0	1.5	.78
FEB	01-MAR	02	2.15	.58	.14	.76	.14	< 10	1.2	1.2
MAR	02-APR	04	2.45	.89	.19	.35	.03	< 10	.30	1.0
APR	04-MAY	02	1.00	.70	.15	.11	.02	< 10	.40	.77
MAY	02-JUN	02	3.30	1.0	.22	< .12	.43	< 10	.80	.61
JUN	02-JUL	01	.60	1.2	.79	.31	1.7	< 10	.40	.24
JUL	01-AUG	04	5.20	.84	.22	< .12	.57	< 1.0	< 1.0	.49
AUG	04-SEP	01	3.60	.71	.06	.06	.09	< 10	1.0	.69
SEP	01-OCT	05	2.45	.71	.15	< .01	.06	< 10	.60	.57

DATE			NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	PHOS- PHORUS TOTAL (MG/L AS P)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	ACIDITY (MG/L AS CaCO ₃)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)
OCT	09-NOV	06	0.84	--	0.370	0.230	36	5.1	2.7	7
NOV	06-DEC	02	.31	--	.030	.007	300	--	--	10
DEC	02-JAN	05	.53	--	.130	.053	20	4.7	3.4	< 5
JAN	05-FEB	01	.39	--	.220	.064	11	--	--	< 5
FEB	01-MAR	02	.35	--	.065	.021	47	--	--	8
MAR	02-APR	04	.06	--	.050	.002	48	4.1	9.0	< 5
APR	04-MAY	02	.61	1.2	.020	.003	30	4.4	4.9	7
MAY	02-JUN	02	.38	1.2	.220	.160	35	--	--	< 5
JUN	02-JUL	01	3.30	7.6	1.04	.780	54	7.0	5.4	20
JUL	01-AUG	04	2.00	5.0	.470	.061	31	5.7	6.1	8
AUG	04-SEP	01	.60	1.6	.100	.039	53	3.9	13	7
SEP	01-OCT	05	.33	.95	.075	.003	38	4.2	6.6	9

TOTAL DAILY PRECIPITATION
IRONDEQUOIT CREEK BASIN

430315077292801. NEAR PITTSFORD, NY

LOCATION.--Lat 43°03'15", long 77°29'28", Monroe County, Hydrologic Unit 04140101, at U.S. Geological Survey stream gage on right bank of Irondequoit Creek, 140 ft upstream from bridge on Thornell Road, 0.9 mi south of creek passage under Erie (Barge) Canal and 2.7 mi southeast of Pittsford.

PERIOD OF RECORD.--October 1983 to current year.

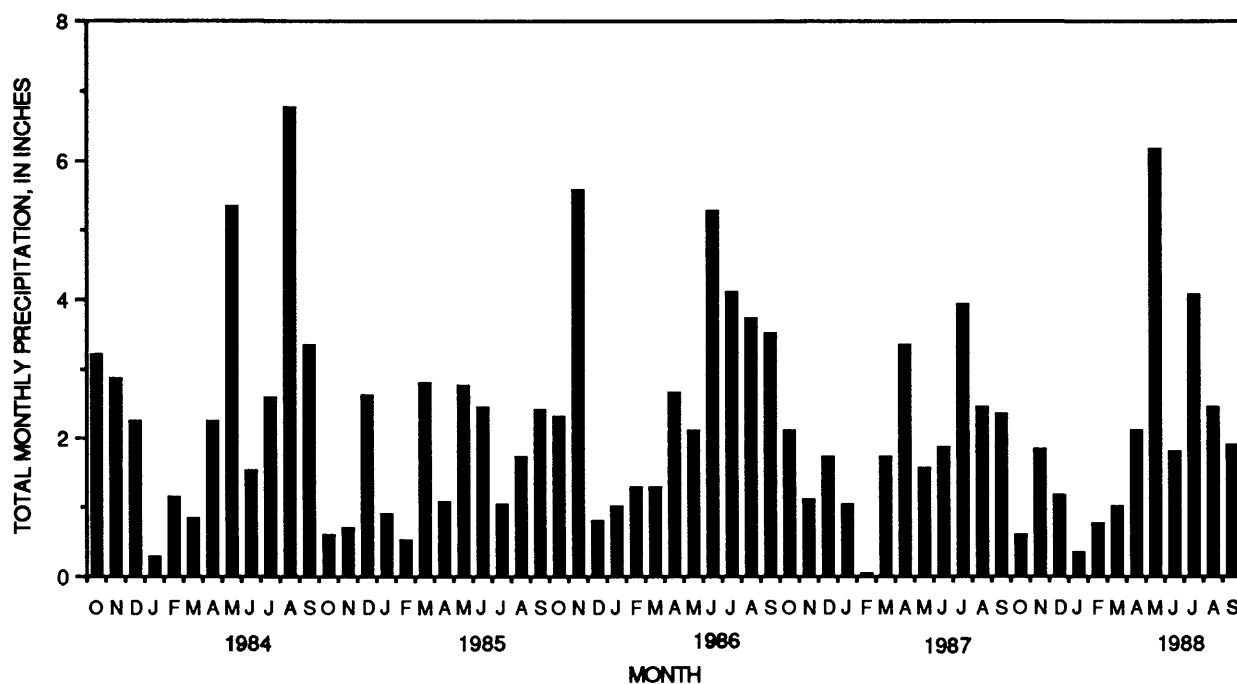
EQUIPMENT.--Iowa-type precipitation gage with 8-in diameter receiver funnel mounted on roof of stream gage shelter, and 4-in diameter PVC collector pipe mounted inside of gage shelter. The bottom portion of the receiver funnel is wrapped with heat tape to prevent freezing and to facilitate the rapid melting of snow. A float-driven punched-tape recorder stores 15-min values of water level in the collector pipe. Values recorded are to the nearest 0.01 in.

REMARKS.--Records good except those for estimated precipitation, which are fair. During periods of missing or doubtful precipitation record, the total precipitation for a given period (usually between inspections) is normally known. Records from nearby precipitation gages are then used to estimate the distribution of the known total precipitation over the given period.

ANNUAL MAXIMUM.--Maximum total daily precipitation for water years 1984-88:

Water year	Date	Precipitation (inches)
1984	May 28	1.26
1985	Dec. 29	1.18
1986	Sept. 29	e1.37
1987	July 6	1.18
1988	July 17	1.66

e Estimated



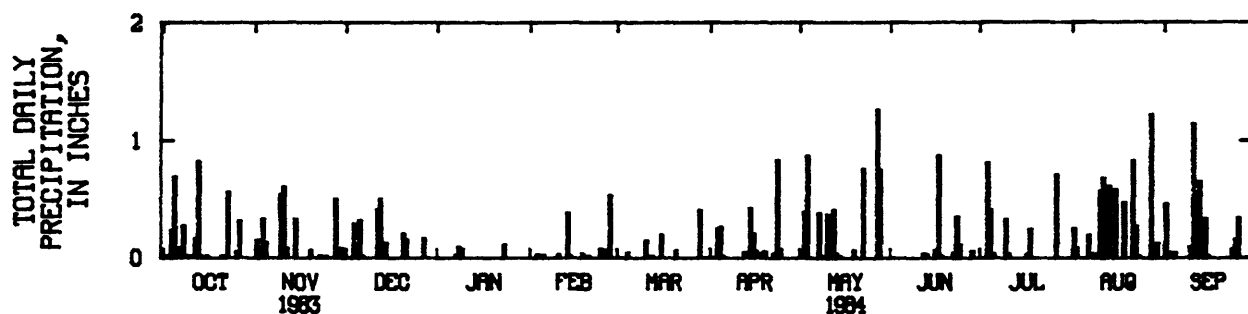
TOTAL DAILY PRECIPITATION
IRONDEQUOIT CREEK BASIN

430315077292801. NEAR PITTSFORD, NY--continued

TOTAL DAILY PRECIPITATION, INCHES, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	.01	.15	.00	.00	.00	.00	.00	.00	.00	.00	.25	.46
3	.00	.05	.00	.00	.00	.00	.00	.39	.00	.00	.08	.04
4	.23	.33	.29	.00	.02	.00	.24	.87	.00	.81	.00	.00
5	.69	.13	.00	.00	.00	.04	.26	.00	.00	.41	.00	.04
6	.08	.00	.32	.00	.02	.00	.01	.00	.00	.03	.00	.00
7	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.19	.00
8	.27	.00	.00	.02	.00	.00	.00	.38	.00	.00	.00	.00
9	.00	.00	.00	.09	.00	.00	.00	.01	.00	.00	.03	.00
10	.01	.54	.00	.07	.00	.00	.00	.00	.00	.33	.01	.09
11	.00	.60	.00	.00	.02	.14	.00	.37	.00	.03	.57	1.14
12	.16	.08	.41	.00	.00	.00	.00	.04	.00	.00	.68	.00
13	.82	.00	.50	.00	.00	.01	.04	.41	.03	.00	.60	.65
14	.01	.00	.08	.00	.38	.00	.00	.03	.02	.00	.61	.01
15	.00	.33	.12	.00	.01	.00	.42	.01	.00	.00	.00	.33
16	.01	.00	.00	.00	.00	.19	.20	.00	.00	.00	e.80	.01
17	.00	.00	.00	.00	.00	.00	.05	.00	.06	.02	.00	.00
18	.00	.00	.00	.00	.00	.00	.00	.00	.87	.24	.00	.00
19	.00	.00	.00	.00	.03	.00	.03	.00	.01	.00	.47	.00
20	.00	.06	e.00	.00	.00	.00	.05	.06	.00	.00	.00	.00
21	.01	.00	e.20	.00	.01	.06	.00	.00	.00	.00	.00	.00
22	.00	.00	e.15	.00	.00	.00	.00	.00	.00	.00	.83	.00
23	.56	.01	.00	.00	.00	.00	.03	.76	.03	.00	.27	.00
24	.00	.00	.00	.11	.00	.00	.83	.00	.35	.00	.01	.07
25	.00	.01	.00	.00	.07	.00	.07	.00	.11	.00	.00	.15
26	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.34
27	.31	.00	.00	.00	.06	.00	.00	.00	.00	.71	.00	.00
28	.00	.50	.16	.00	.53	.00	.00	1.26	.00	.00	1.22	.00
29	.00	.00	.00	.00	.00	.40	.00	.75	.05	.00	.03	.00
30	.00	.08	.00	.00	---	.00	.00	.00	.00	.00	.12	.00
31	.00	---	.00	.00	---	.00	---	.00	---	.00	.00	---
TOTAL	3.22	2.87	2.24	0.29	1.15	0.84	2.23	5.34	1.53	2.58	6.77	3.33
WTR YR 1984 TOTAL	32.39											

e Estimated

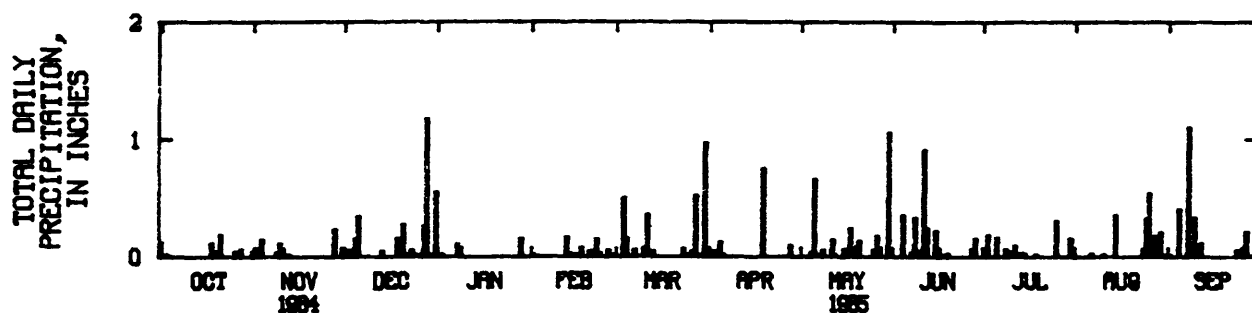


TOTAL DAILY PRECIPITATION
IRONDEQUOIT CREEK BASIN

430315077292801. NEAR PITTSFORD, NY--continued

TOTAL DAILY PRECIPITATION, INCHES, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.12	0.04	0.07	0.55	0.00	0.01	0.03	0.00	0.00	0.00	0.01	0.00
2	.01	.07	.00	.00	.01	.00	.00	.00	.00	.00	.00	.01
3	.01	.00	.05	.01	.00	.00	.04	.00	.00	.18	.00	.00
4	.00	.14	.01	.00	.00	.50	.04	.00	.00	.00	.00	.00
5	.00	.00	.15	.00	.00	.15	.12	.03	.35	.00	.00	.40
6	.00	.00	.34	.00	.00	.00	.01	.66	.00	.16	.00	.00
7	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.02	.00
8	.00	.00	.00	.10	.00	.05	.00	.00	.03	.00	.00	1.10
9	.00	.03	.00	.07	.00	.00	.00	.05	.33	.06	.00	.12
10	.00	.11	.00	.00	.00	.00	.00	.00	.00	.04	.00	.33
11	.00	.07	.00	.00	.00	.07	.00	.00	.05	.00	.01	.00
12	.00	.00	.00	.00	.00	.35	.00	.14	.91	.09	.00	.11
13	.00	.01	.00	.00	.16	.00	.00	.01	.24	.00	.00	.00
14	.00	.00	.04	.00	.02	.04	.00	.00	.00	.02	.00	.00
15	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	.35	.00
16	.00	.00	.00	.00	.01	.00	.00	.06	.22	.00	.00	.00
17	.00	.00	.00	.00	.00	.00	.00	.00	.07	.00	.00	.00
18	.11	.00	.00	.00	.07	.00	.00	.24	.01	.00	.00	.00
19	.04	.00	.15	.00	.00	.00	.75	.00	.00	.01	.00	.00
20	.00	.00	.00	.00	.00	.00	.00	.08	.02	.00	.00	.00
21	.18	.00	.27	.00	.04	.00	.00	.13	.00	.00	.00	.00
22	.00	.00	.01	.00	.01	.00	.00	.00	.00	.00	.00	.00
23	.00	.00	.00	.00	.14	.00	.00	.00	.00	.00	.00	.00
24	.00	.00	.05	.00	.02	.06	.00	.00	.00	.00	.06	.05
25	.00	.00	.01	.00	.00	.01	.00	.00	.00	.00	.32	.00
26	.04	.00	.00	.00	.00	.00	.00	.05	.00	.30	.54	.07
27	.00	.00	.01	.00	.05	.04	.00	.17	.00	.00	.01	.21
28	.06	.23	.26	.00	.00	.52	.09	.07	.06	.00	.17	.00
29	.00	.00	1.18	.15	---	.01	.00	.00	.15	.00	.02	.00
30	.00	.00	.01	.00	---	.00	.00	.00	.00	.00	.20	.00
31	.00	---	.00	.00	---	.97	---	1.06	---	.15	.01	---
TOTAL	0.57	0.70	2.61	0.88	0.53	2.78	1.08	2.76	2.44	1.03	1.72	2.40
CAL YR 1984	TOTAL		27.94									
WTR YR 1985	TOTAL		19.50									



TOTAL DAILY PRECIPITATION
IRONDEQUOIT CREEK BASIN

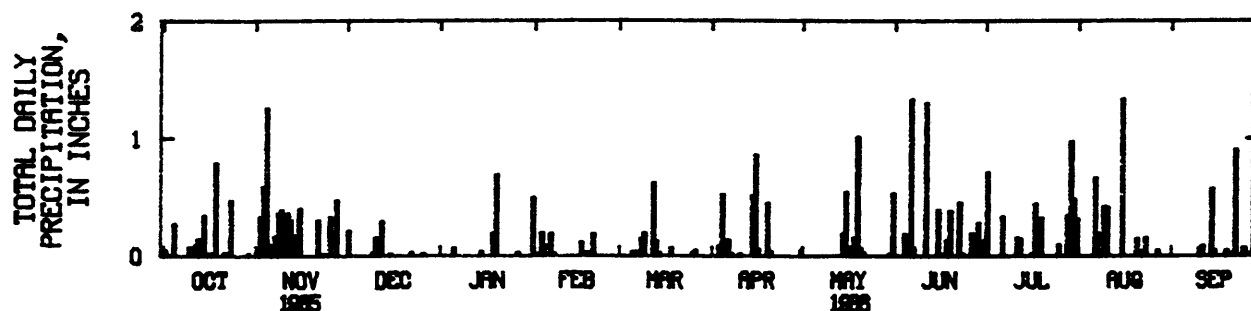
430315077292801. NEAR PITTSFORD, NY--continued

TOTAL DAILY PRECIPITATION, INCHES, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.49	0.00	0.00	0.05	0.53	e0.13	e0.31	e0.00
2	.04	.00	.21	.00	.01	.00	.00	.00	.00	e.71	e.00	e.00
3	.00	.33	.00	.00	.00	.00	.00	.00	.00	e.00	e.00	e.00
4	.00	.59	.00	.00	.19	.00	.08	.00	.00	e.00	e.00	e.00
5	.27	1.25	.00	.00	.08	.00	.52	.00	.18	e.00	e.00	e.00
6	.00	.09	.00	.06	.00	.03	.00	.00	.00	e.00	e.00	e.00
7	.00	.03	.00	.00	.18	.03	.13	.00	1.33	e.33	e.66	e.00
8	.00	.16	.00	.00	.01	.00	.01	.00	.06	e.00	e.19	e.00
9	.00	.36	.00	.00	.00	.14	.00	.00	.00	e.00	e.04	e.00
10	.07	.39	.02	.00	.00	.19	.00	.00	.00	e.00	e.42	e.00
11	.00	.03	.15	.00	.00	.00	.01	.00	.00	e.00	e.41	e.06
12	.09	.36	.08	.00	.00	.00	.00	.00	1.30	e.15	e.00	e.08
13	.14	.30	.29	.00	.00	.62	.00	.00	.00	e.14	e.00	e.00
14	.03	.17	.00	.00	.00	.12	.00	.00	.00	e.00	e.00	e.00
15	.34	.01	.00	.03	.00	.02	.51	.18	.00	e.00	e.00	e.57
16	.01	.40	.01	.00	.00	.00	.86	.54	.39	e.00	e1.33	e.04
17	.00	.00	.00	.00	.11	.00	.05	.00	.01	e.01	e.00	e.00
18	.02	.00	.00	.00	.02	.00	.00	.07	.00	e.44	e.00	e.00
19	.79	.00	.00	.19	.02	.06	.00	.15	.13	e.00	e.00	e.00
20	.00	.00	.00	.69	.00	.00	.45	1.01	.38	e.32	e.00	e.04
21	.00	.00	.00	.00	.18	.00	.03	.06	.00	e.00	e.14	e.00
22	.02	.30	.00	.00	.00	.00	.00	.02	.00	e.00	e.00	e.00
23	.00	.00	.02	.00	.00	.00	.00	.00	.45	e.00	e.04	e.90
24	.47	.01	.00	.00	.00	.00	.00	.00	.01	e.00	e.15	e.00
25	.00	.01	.00	.00	.00	.00	.00	.00	.00	e.00	e.00	e.00
26	.00	.33	.00	.00	.00	.02	.00	.00	.00	e.09	e.00	e.06
27	.00	.01	.01	.02	.00	.04	.00	.00	.19	e.00	e.00	e.01
28	.00	.47	.00	.00	.00	.00	.00	.00	.00	e.00	e.04	e.00
29	.00	.00	.00	.00	---	.00	.00	.00	e.28	e.34	e.00	e1.37
30	.01	.00	.00	.00	---	.00	.00	.00	e.02	e.97	e.00	e.37
31	.00	---	.00	.00	---	.00	---	.01	---	e.48	e.00	---
TOTAL	2.30	5.60	0.79	0.99	1.29	1.27	2.65	2.09	5.26	4.11	3.73	3.50

CAL YR 1985 TOTAL 24.31
WTR YR 1986 TOTAL 33.58

e Estimated



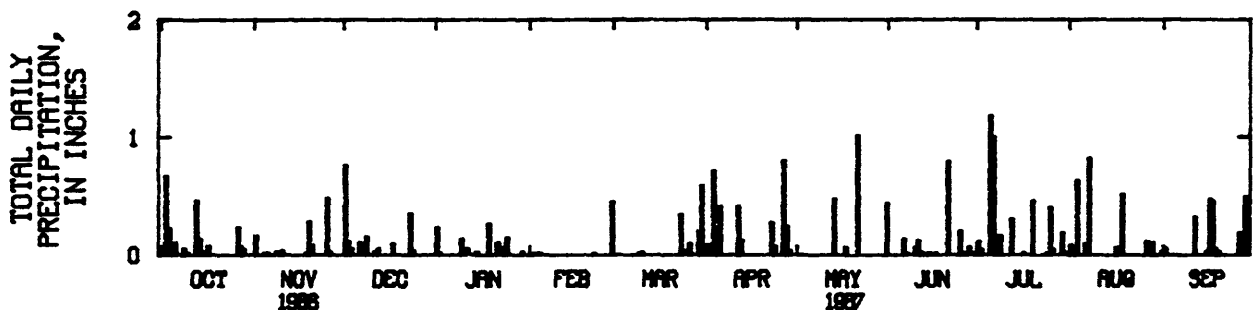
TOTAL DAILY PRECIPITATION
IRONDEQUOIT CREEK BASIN

430315077292801. NEAR PITTSFORD, NY--continued

TOTAL DAILY PRECIPITATION, INCHES, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e0.00	e0.00	e0.00	0.00	0.00	0.45	0.00	0.00	0.44	0.01	e0.00	e0.02
2	e.00	e.16	e.76	.23	.00	.00	.08	.00	.00	.11	e.08	e.05
3	e.67	e.00	e.11	.01	.01	.00	.00	.00	.00	.04	e.00	e.00
4	e.22	e.00	.05	.00	.01	.00	.71	.00	.00	.00	e.63	e.00
5	e.04	e.01	.00	.00	.01	.00	.21	.00	.00	.00	e.00	e.00
6	e.10	e.01	.00	.00	.00	.00	.41	.00	.00	1.18	e.00	e.00
7	e.00	e.00	.10	.00	.00	.00	.00	.00	.13	e1.00	e.09	e.00
8	e.00	e.00	.01	.00	.00	.00	.00	.00	.01	e.01	e.82	e.00
9	e.05	e.02	.15	.00	.00	.00	.00	.00	.00	e.16	e.00	e.00
10	e.01	e.00	.00	.13	.00	.01	.00	.00	.00	e.00	e.00	e.00
11	e.00	e.03	.00	.00	.00	.02	.00	.00	.06	e.00	e.00	e.00
12	e.00	e.00	.02	.05	.00	.00	.41	.00	.12	e.00	e.00	e.32
13	e.46	e.00	.05	.00	.00	.00	.12	.00	.02	e.30	e.00	e.00
14	e.13	e.00	.00	.00	.00	.00	.00	.47	.00	e.00	e.00	e.00
15	e.00	e.00	.00	.02	.00	.00	.00	.00	.01	e.00	e.00	e.00
16	e.02	e.00	.00	.00	.00	.00	.00	.00	.01	e.00	e.00	e.02
17	e.07	e.00	.00	.00	.00	.00	.00	.00	.00	e.01	e.06	e.47
18	e.00	e.00	.09	.00	.00	.00	.00	.06	.01	e.00	e.04	e.45
19	e.00	e.01	.00	.26	.00	.00	.00	.00	.00	e.00	e.51	e.05
20	e.00	e.28	.00	.00	.00	.00	.00	.00	.00	e.46	e.00	e.02
21	e.00	e.08	.00	.00	.00	.00	.00	.00	.00	e.00	e.00	e.00
22	e.00	e.00	.00	.10	.00	.00	.00	1.01	.79	e.00	e.00	e.00
23	e.00	e.00	.00	.00	.01	.00	.27	.00	.00	e.00	e.00	e.00
24	e.00	e.00	.35	.06	.00	.34	.07	.00	.00	e.00	e.00	e.00
25	e.00	e.00	.03	.14	.00	.03	.00	.00	.00	e.01	e.00	e.00
26	e.00	e.48	.00	.00	.00	.00	.00	.00	.20	e.40	e.00	e.00
27	e.23	e.02	.00	.00	.00	.09	.80	.00	.00	e.04	e.11	e.18
28	e.07	e.00	.00	.00	.00	.00	.24	.00	.01	e.00	e.00	e.00
29	e.04	e.00	.00	.00	---	.00	.03	.00	.06	e.00	e.10	e.49
30	e.00	e.00	.00	.02	---	.20	.00	.00	.00	e.18	e.00	e.29
31	e.00	---	.00	.00	---	.59	---	.00	---	e.01	e.00	---
TOTAL	2.11	1.10	1.72	1.02	0.04	1.73	3.35	1.54	1.87	3.92	2.44	2.36
CAL YR 1986	TOTAL		29.82									
WTR YR 1987	TOTAL		23.20									

e Estimated



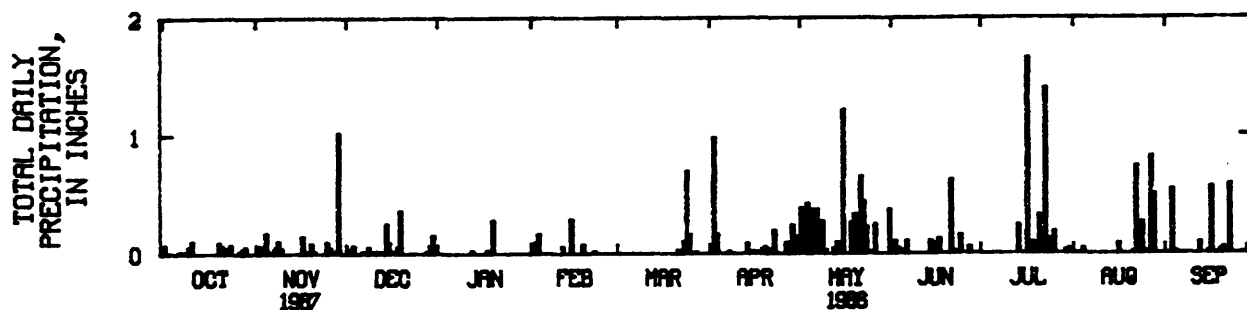
TOTAL DAILY PRECIPITATION
IRONDEQUOIT CREEK BASIN

430315077292801. NEAR PITTSFORD, NY--continued

TOTAL DAILY PRECIPITATION, INCHES, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e.000	0.00	0.00	0.01	0.00	0.00	0.00	0.14	0.37	0.00	0.00	0.00
2	e.07	.00	.03	.00	.08	.00	.00	.38	.00	.00	.00	.00
3	e.00	.06	.02	.00	.09	.00	.98	.06	.10	.00	.00	.00
4	e.00	.00	.06	.00	.16	.00	.16	.42	.04	.00	.00	.54
5	e.00	.17	.00	.00	.00	.00	.00	.33	.00	.00	.03	.01
6	e.00	.01	.00	.00	.00	.00	.00	.37	.02	.00	.00	.00
7	e.01	.00	.01	.00	.00	.00	.00	.37	.10	.00	.00	.00
8	.01	.05	.00	.00	.00	.00	.01	.10	.00	.00	.00	.00
9	.00	.10	.05	.00	.00	.00	.00	.27	.00	.00	.00	.00
10	.05	.04	.00	.00	.00	.00	.00	.02	.00	.00	.00	.00
11	.10	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
12	.00	.00	.01	.00	.05	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.01	.02	.00	.00	.00	.04	.00	.00	.00	.09
14	.00	.00	.00	.00	.00	.00	.08	.09	.00	.24	.00	.00
15	.00	.00	.25	.00	.29	.00	.01	.00	.10	.00	.00	.00
16	.00	.00	.09	.00	.00	.00	.01	1.22	.08	.00	.00	.01
17	.00	.14	.01	.00	.00	.00	.00	.00	.04	1.66	.08	.56
18	.00	.01	.00	.02	.00	.00	.01	.00	.12	.00	.00	.00
19	.00	.00	.05	.00	.07	.00	.03	.26	.00	.09	.00	.00
20	.09	.08	.36	.28	.00	.00	.05	.33	.00	.00	.00	.02
21	.06	.01	.00	.00	.00	.00	.03	.19	.00	.32	.00	.04
22	.04	.00	.00	.00	.00	.02	.00	.65	.62	.00	.01	.00
23	.01	.00	.00	.00	.01	.00	.19	.44	.01	1.40	.74	.58
24	.07	.00	.00	.00	.00	.10	.00	.22	.00	.12	.01	.00
25	.00	.09	.00	.00	.00	.70	.00	.00	.15	.00	.26	.00
26	.00	.04	.00	.00	.00	.16	.00	.01	.00	.18	.01	.00
27	.01	.00	.00	.00	.00	.00	.09	.25	.00	.00	.00	.00
28	.03	.01	.00	.00	.00	.01	.07	.00	.05	.00	.82	.00
29	.05	1.02	.01	.00	.00	.00	.24	.00	.00	.00	.50	.05
30	.00	.00	.06	.00	---	.00	.14	.00	.00	.02	.00	.00
31	.00	---	.15	.00	---	.00	---	.00	---	.03	.00	---
TOTAL	0.60	1.83	1.18	0.33	0.75	0.99	2.10	6.16	1.80	4.06	2.46	1.90
CAL YR 1987	TOTAL		21.88									
WTR YR 1988	TOTAL		24.16									

e Estimated



TOTAL DAILY PRECIPITATION

THOMAS CREEK BASIN

430622077274401. AT FAIRPORT, NY

LOCATION.--Lat 43°06'22", long 77°27'44", Monroe County, Hydrologic Unit 04140101, at U.S. Geological Survey stream gage on right bank of Thomas Creek, 48 ft upstream from culvert on Foreman Center Road, 0.5 mi northwest of Fairport, and 0.8 mi upstream from the mouth of Thomas Creek.

PERIOD OF RECORD.--October 1983 to current year.

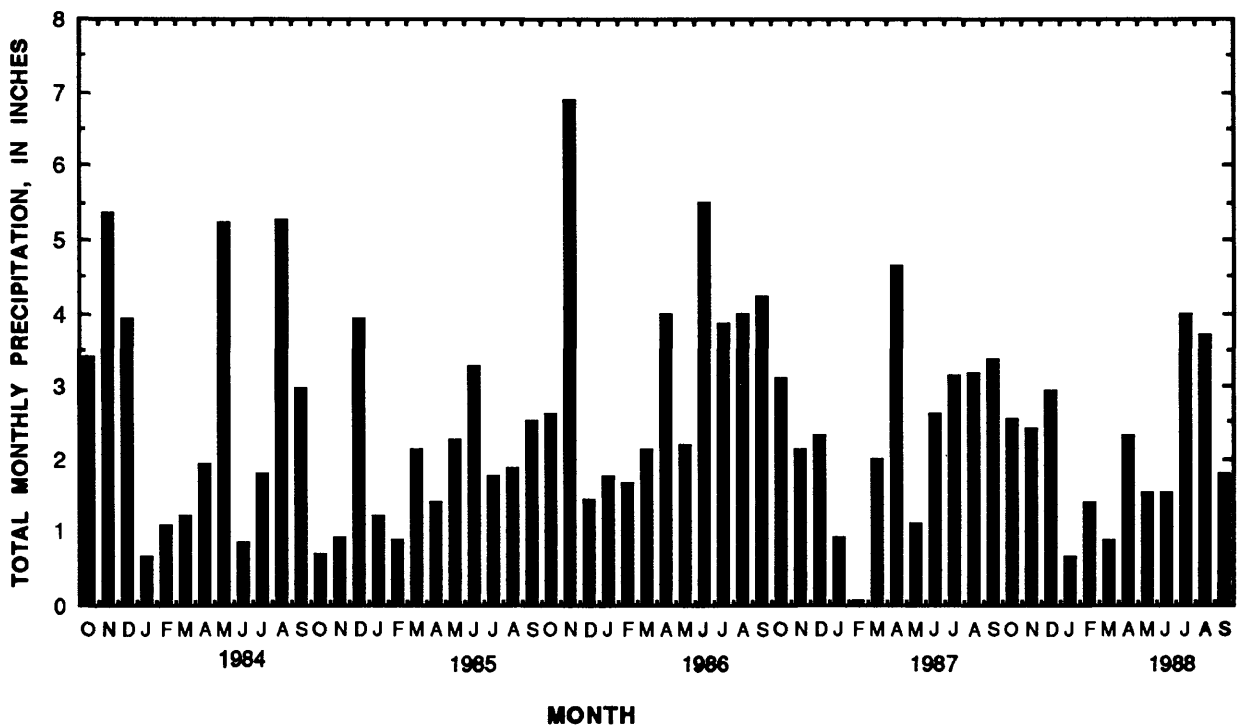
EQUIPMENT.--Iowa-type precipitation gage with 8-in diameter receiver funnel mounted on roof of stream gage shelter, and 4-in diameter PVC collector pipe mounted inside of gage shelter. The bottom portion of the receiver funnel is wrapped with heat tape to prevent freezing and to facilitate the rapid melting of snow. A float-driven punched-tape recorder stores 15-min values of water level in the collector pipe. Values recorded are to the nearest 0.01 in.

REMARKS.--Records good except those for estimated precipitation, which are fair. During periods of missing or doubtful precipitation record, the total precipitation for a given period (usually between inspections) is normally known. Records from nearby precipitation gages are then used to estimate the distribution of the known total precipitation over the given period.

ANNUAL MAXIMUM.--Maximum total daily precipitation for water years 1984-88:

Water year	Date	Precipitation (inches)
1984	May 4 and Sept. 11	1.18
1985	Dec. 29	e1.60
1986	Nov. 5	1.54
1987	July 6	1.21
1988	July 17	1.31

e Estimated



TOTAL DAILY PRECIPITATION

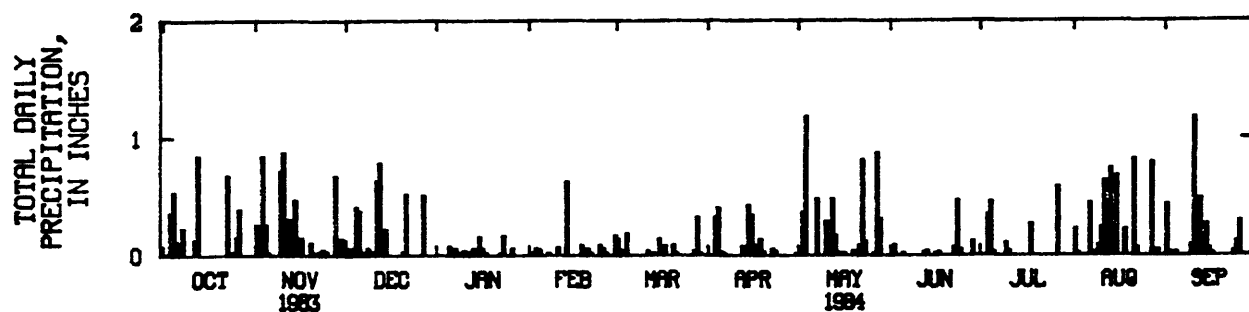
THOMAS CREEK BASIN

430622077274401. AT FAIRPORT, NY--continued

TOTAL DAILY PRECIPITATION, INCHES, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.12	0.00	0.00	0.16	0.00	0.01	0.00	0.00	0.00	0.00
2	.00	.25	.05	.00	.00	.13	.00	.00	.00	.00	.22	.43
3	.00	.20	.04	.00	.01	.04	.00	.36	.08	.00	.01	.02
4	.35	.84	.05	.00	.05	.00	.32	1.18	.00	.34	.00	.00
5	.53	.25	.40	.00	.04	.18	.40	.00	.00	.45	.00	.02
6	.11	.01	.37	.07	.00	.00	.02	.00	.01	.02	.00	.00
7	.01	.00	.02	.00	.00	.00	.01	.00	.00	.00	.44	.00
8	.22	.00	.00	.05	.01	.00	.00	.47	.00	.00	.00	.00
9	.00	.00	.05	.00	.00	.00	.00	.00	.00	.00	.02	.00
10	.00	.71	.02	.01	.00	.00	.00	.00	.00	.10	.08	.08
11	.00	.87	.00	.03	.06	.00	.00	.28	.00	.03	.23	1.18
12	.12	.15	e.63	.00	.00	.03	.00	.07	.00	.00	.63	.01
13	.84	.30	e.78	.02	.00	.00	.07	.47	.02	.00	.28	.48
14	.00	.01	e.14	.05	.62	.01	.02	.16	.03	.00	.74	.01
15	.00	.46	e.21	.00	.00	.00	.42	.01	.00	.00	.02	.26
16	.00	.13	e.00	.15	.00	.13	.34	.01	.00	.00	.67	.05
17	.00	.14	e.00	.05	.00	.00	.08	.01	.01	.00	.00	.01
18	.00	.00	e.00	.01	.00	.07	.01	.00	.02	.26	.00	.00
19	.00	.00	.00	.00	.08	.00	.13	.00	.00	.00	.21	.00
20	.00	.10	.00	.00	.00	.00	.02	.03	.00	.00	.00	.00
21	.00	.01	.02	.00	.05	.08	.00	.00	.00	.00	.00	.00
22	.00	.00	.51	.00	.01	.01	.00	.08	.00	.00	.82	.00
23	.67	.02	.00	.01	.00	.00	.05	.81	.06	.00	.06	.00
24	.01	.04	.00	.16	.00	.00	.03	.11	.46	.00	.00	.03
25	.00	.02	.00	.00	.08	.00	.00	.00	.04	.00	.00	.11
26	.14	.00	.00	.00	.05	.00	.00	.00	.00	.00	.00	.29
27	.38	.00	.00	.05	.01	.00	.00	.01	.00	.58	.00	.00
28	.00	.67	.50	.00	.00	.03	.00	.87	.00	.00	.79	.00
29	.00	.04	.00	.00	.00	.32	.00	.30	.11	.00	.01	e.00
30	.00	.13	.00	.00	---	.01	.00	.00	.00	.00	.04	e.00
31	.00	---	.00	.00	---	.00	---	.00	---	.00	.00	---
TOTAL	3.38	5.35	3.91	0.66	1.07	1.20	1.92	5.24	0.84	1.78	5.27	2.98
WTR YR 1984	TOTAL	33.60										

e Estimated



TOTAL DAILY PRECIPITATION

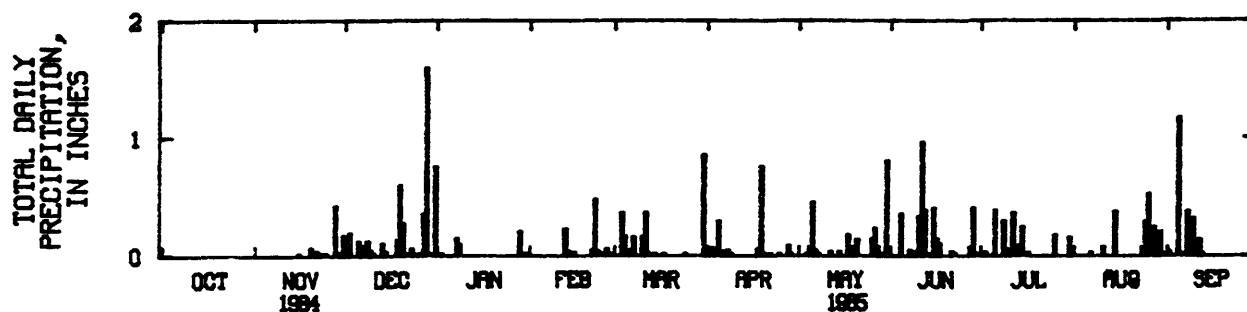
THOMAS CREEK BASIN

430622077274401. AT FAIRPORT, NY--continued

TOTAL DAILY PRECIPITATION, INCHES, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	0.17	e0.75	0.00	0.01	0.04	0.00	0.00	0.01	0.01	0.00
2	---	---	.00	e.00	e.00	.00	.02	.00	.00	.00	.00	.03
3	---	---	.19	e.01	.00	.00	.06	.00	.00	.02	.00	.00
4	---	---	.00	e.00	.00	.36	.00	.01	.00	.00	.00	.00
5	---	---	.00	e.00	.00	.16	.29	.07	.35	.00	.00	1.17
6	---	---	.12	e.00	.00	.00	.03	.45	.00	.38	.00	.01
7	---	---	.02	e.00	.00	.04	.00	.04	.00	.00	.02	.00
8	---	---	.08	e.14	.00	.15	.04	.01	.04	.00	.00	.37
9	---	---	.12	e.09	.00	.00	.01	.00	.03	.29	.00	.15
10	---	---	.04	e.00	.00	.00	.00	.00	.00	.05	.00	.31
11	---	---	.01	e.00	e.00	.16	.00	.00	.33	.00	.07	.02
12	---	---	.00	e.00	e.00	.36	.00	.03	.96	.36	.00	.13
13	---	---	.00	e.00	e.22	.01	.00	.00	.38	.00	.00	.01
14	---	---	.10	e.00	e.03	.00	.00	.00	.00	.08	.00	.00
15	---	---	.03	e.00	e.00	.01	.00	.03	.01	.24	.37	---
16	---	0.01	.00	e.00	.02	.00	.00	.00	.40	.00	.00	---
17	---	.00	.00	e.00	.00	.00	.00	.00	.14	.02	.00	---
18	---	.00	.00	e.00	.00	.01	.05	.17	.10	.00	.00	---
19	---	.00	.13	e.00	.00	.00	.75	.00	.00	.00	.00	---
20	---	.06	.59	e.00	.00	.00	.01	.07	.00	.00	.00	---
21	---	.02	e.27	e.00	.00	.00	.00	.13	.00	.00	.00	---
22	---	.03	e.01	e.00	.04	.00	.01	.00	.03	.00	.00	---
23	---	.00	e.00	e.00	.47	.00	.00	.00	.01	.00	.00	---
24	---	.01	e.05	e.00	.03	.00	.00	.00	.00	.00	.07	---
25	---	.01	e.01	e.00	.01	.01	.01	.00	.00	.00	.29	---
26	---	.00	e.00	e.00	.00	.00	.00	.14	.00	.17	.52	---
27	---	.00	e.01	e.00	.05	.00	.00	.23	.00	.00	.01	---
28	---	.42	e.35	e.00	.00	.00	.08	.07	.07	.00	.24	---
29	---	.01	e1.60	e.20	---	.00	.01	.00	.40	.00	.04	---
30	---	.02	e.01	e.00	---	.00	.00	.01	.00	.00	.20	---
31	---	---	e.00	.01	---	.85	---	.80	---	.15	.01	---
TOTAL	---	---	3.91	1.20	0.87	2.13	1.41	2.26	3.25	1.77	1.85	---

e Estimated



TOTAL DAILY PRECIPITATION

THOMAS CREEK BASIN

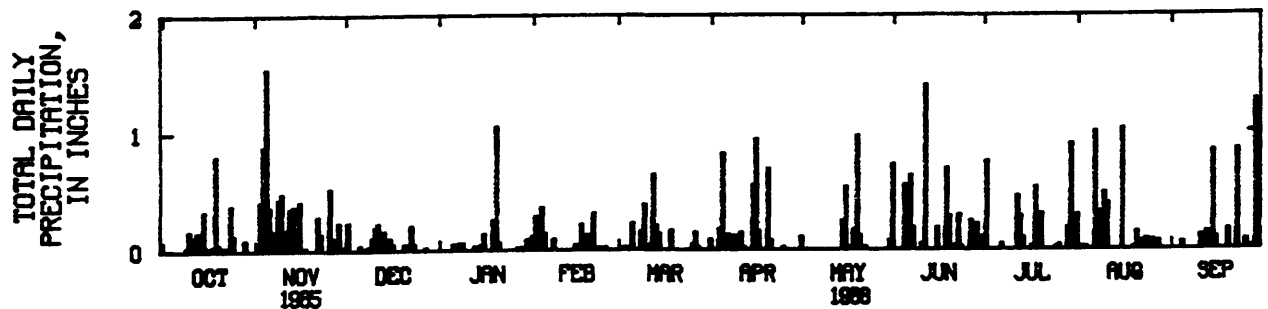
430622077274401. AT FAIRPORT, NY--continued

TOTAL DAILY PRECIPITATION, INCHES, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e0.00	0.00	0.02	0.00	0.11	0.00	0.08	0.10	0.73	0.10	0.29	0.00
2	e.05	.00	.23	.00	.28	.00	.00	.00	.00	.75	.01	.00
3	e.00	.41	.00	.00	.00	.01	.00	.00	.00	.00	.01	.00
4	e.00	.88	.00	.00	.35	.01	.17	.00	.00	.00	.01	.00
5	e.30	1.54	.00	.00	.13	.01	.82	.00	.55	.00	.00	.05
6	e.00	.36	.03	.04	.00	.22	.02	.00	.02	.00	.00	.00
7	e.00	.01	.00	.00	.00	.00	.12	.00	.63	.04	1.00	.00
8	.00	.16	.01	.05	.08	.00	.03	.00	.18	.00	.32	.00
9	.02	.43	.02	.05	.00	.15	.11	.00	.00	.00	.01	.00
10	.16	.48	.10	.00	.00	.38	.09	.00	.00	.00	.48	.00
11	.00	.02	.19	.00	.00	.03	.14	.00	.04	.00	.39	.11
12	.11	.17	.22	.00	.00	.00	.01	.00	1.40	.45	.00	.08
13	.15	.35	.04	.02	.00	.64	.00	.00	.00	.28	.00	.14
14	.00	.37	.15	.00	.00	.20	.00	.00	.00	.09	.00	.00
15	.33	.01	.00	.03	.03	.13	.55	.24	.00	.00	.00	.84
16	.02	.41	.09	.13	.00	.00	.94	.53	.18	.00	1.03	.09
17	.00	.00	.04	.00	.21	.00	.15	.00	.00	.02	.00	.00
18	.03	.01	.00	.00	.01	.00	.00	.01	.00	.53	.00	.00
19	.80	.00	.00	.25	.12	.16	.00	.16	.69	.06	.00	.00
20	.04	.00	.00	1.05	.00	.00	.69	.97	.28	.30	.01	.16
21	.01	.00	.04	.05	.31	.00	.07	.11	.00	.00	.14	.00
22	.02	.28	.00	.00	.00	.00	.00	.00	.02	.00	.01	.00
23	.00	.13	.20	.00	.01	.00	.00	.01	.29	.00	.06	.85
24	.38	.00	.04	.00	.00	.00	.00	.00	.01	.00	.08	.00
25	.12	.00	.00	.00	.01	.00	.01	.00	.00	.01	.00	.00
26	.00	.52	.00	.00	.00	.04	.00	.00	.00	.03	.07	.07
27	.00	.03	.00	.01	.00	.14	.00	.00	.24	.00	.01	.01
28	.00	.10	.01	.01	.00	.01	.00	.00	.00	.00	.06	.00
29	.08	.23	.00	.00	---	.00	.00	.00	.21	.18	.00	1.27
30	.00	.00	.00	.08	---	.00	.00	.00	.01	.90	.00	.53
31	.00	---	.00	.00	---	.00	---	.07	---	.12	.00	---
TOTAL	2.62	6.90	1.43	1.77	1.65	2.13	4.00	2.20	5.48	3.86	3.99	4.20

WTR YR 1986 TOTAL 40.23

e Estimated



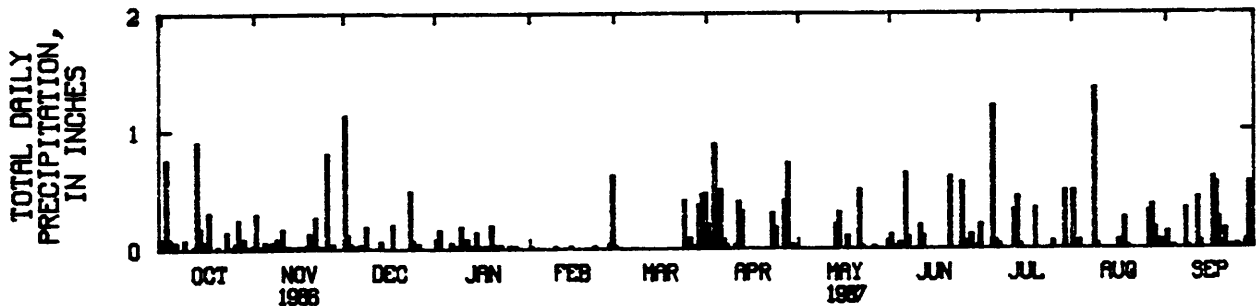
TOTAL DAILY PRECIPITATION

THOMAS CREEK BASIN

430622077274401. AT FAIRPORT, NY--continued

TOTAL DAILY PRECIPITATION, INCHES, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.08	0.02	0.00	0.00	0.00	0.61	0.46	0.00	0.06	0.01	0.00	0.01
2	.05	.29	1.13	.00	.01	.01	.20	.00	.11	.20	.48	.13
3	.75	.00	.11	.15	.00	.00	.00	.00	.01	.00	.01	.00
4	.08	.01	.03	.00	.00	.00	.88	.00	.01	.00	.06	.01
5	.02	.05	.01	.00	.00	.00	.19	.00	.04	.00	.00	.00
6	.05	.04	.00	.00	.00	.00	.49	.00	.01	1.21	.00	.00
7	.00	.01	.02	.04	.00	.00	.07	.00	.63	.06	.00	.00
8	.00	.05	.02	.01	.00	.00	.02	.00	.09	.03	.00	.33
9	.07	.08	.18	.00	.00	.00	.00	.00	.00	.00	1.36	.01
10	.00	.01	.00	.18	.01	.00	.00	.00	.00	.00	.03	.00
11	.00	.16	.00	.02	.00	.00	.02	.00	.00	.00	.00	.00
12	.01	.01	.00	.07	.00	.00	.39	.00	.19	.00	.00	.42
13	.90	.01	.00	.01	.00	.00	.31	.00	.10	.32	.00	.05
14	.17	.01	.05	.01	.00	.00	.00	.20	.00	.43	.00	.00
15	.00	.00	.00	.13	.01	.00	.00	.30	.00	.03	.00	.00
16	.05	.01	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00
17	.30	.01	.00	.00	.00	.00	.00	.00	.00	.00	.06	.59
18	.00	.00	.20	.01	.00	.00	.00	.10	.00	.00	.00	.54
19	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.25	.25
20	.01	.12	.00	.19	.00	.00	.00	.00	.00	.33	.01	.02
21	.00	.09	.00	.02	.00	.00	.00	.00	.00	.00	.00	.15
22	.00	.26	.00	.00	.00	.00	.00	.49	.60	.00	.00	.00
23	.14	.00	.00	.02	.01	.00	.29	.01	.00	.00	.00	.01
24	.00	.01	.48	.00	.00	.00	.17	.00	.00	.00	.00	.01
25	.01	.00	.06	.00	.00	.40	.00	.00	.00	.00	.00	.02
26	.04	.80	.00	.01	.00	.07	.00	.00	.55	.05	.00	.00
27	.24	.02	.03	.01	.00	.08	.40	.01	.05	.00	.31	.00
28	.04	.03	.00	.01	.03	.01	.72	.00	.05	.00	.36	.06
29	.08	.00	.00	.00	---	.00	.01	.00	.11	.00	.17	.55
30	.01	.00	.00	.00	---	.36	.02	.00	.01	.48	.01	.20
31	.00	---	.00	.00	---	.45	---	.00	---	.00	.06	---
TOTAL	3.10	2.12	2.32	0.90	0.07	1.99	4.64	1.11	2.62	3.15	3.17	3.36
CAL YR 1986	TOTAL		36.82									
WTR YR 1987	TOTAL		28.55									



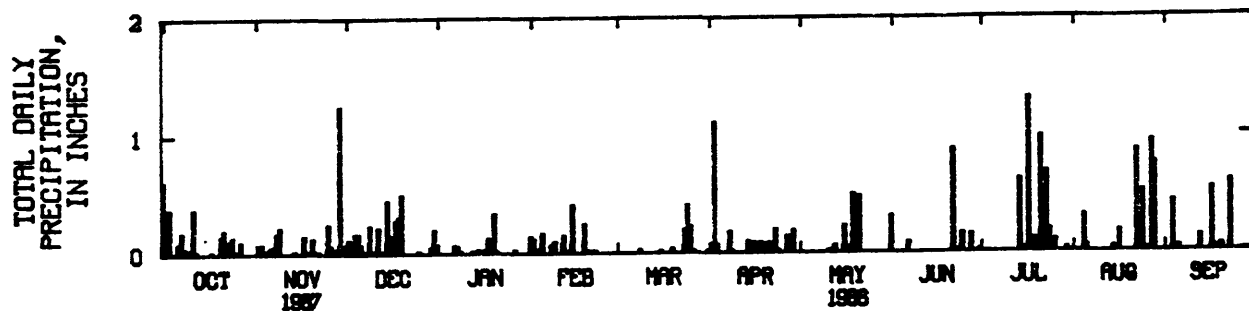
TOTAL DAILY PRECIPITATION
THOMAS CREEK BASIN

430622077274401. AT FAIRPORT, NY--continued

TOTAL DAILY PRECIPITATION, INCHES, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.61	0.00	0.07	0.00	0.13	0.00	0.01	0.00	0.30	0.01	0.00	0.00
2	.17	.00	.11	.00	.11	.00	.00	.00	.00	.00	.00	.00
3	.37	.07	.00	.00	.02	.00	1.11	.00	.00	.00	.00	.00
4	.00	.00	.16	.00	.02	.00	.06	.00	.00	.00	.00	.42
5	.00	.02	.16	.00	.16	.00	.00	.00	.00	.00	.30	.03
6	.08	.04	.07	.00	.00	.00	.00	.00	.00	.00	.04	.03
7	.17	.05	.01	.06	.00	.00	.00	.00	.08	.00	.00	.00
8	.04	.16	.00	.05	.06	.00	.17	.00	.00	.00	.00	.00
9	.00	.21	.23	.01	.09	.02	.01	.00	.00	.00	.00	.00
10	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
11	.37	.00	.01	.00	.00	.00	.00	.01	.00	.00	.00	.00
12	.01	.00	.21	.00	.14	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.01	.01	.00	.00	.00	.05	.00	.00	.00	.12
14	.00	.01	.00	.00	.01	.00	.09	.00	.00	.61	.00	.00
15	.00	.00	.44	.02	.40	.00	.04	.00	.00	.00	.03	.00
16	.00	.00	.14	.00	.00	.01	.08	.22	.00	.02	.00	.00
17	.01	.14	.03	.02	.00	.00	.00	.00	.00	1.31	.17	.53
18	.00	.01	.27	.12	.00	.00	.08	.04	.00	.00	.00	.02
19	.00	.00	.30	.00	.24	.00	.00	.49	.00	.10	.00	.00
20	.14	.12	.49	.33	.01	.03	.07	.26	.00	.00	.00	.04
21	.19	.00	.00	.01	.01	.00	.08	.47	.00	.98	.00	.00
22	.04	.01	.00	.00	.01	.00	.00	.00	.87	.00	.00	.00
23	.10	.00	.00	.00	e.01	.00	.19	.00	.01	.68	.86	.59
24	.13	.00	.00	.00	e.00	.19	.01	.00	.00	.18	.06	.00
25	.00	.24	.00	.00	e.00	.40	.00	.00	.15	.00	.51	.00
26	.01	.06	.01	.00	e.00	.22	.00	.00	.00	.09	.01	.00
27	.09	.00	.00	.02	.00	.01	.13	.00	.00	.00	.01	.00
28	.00	.03	.00	.00	.00	.00	.00	.00	.14	.00	.94	.00
29	.00	1.25	.00	.00	.00	.00	.18	.00	.00	.00	.75	.00
30	.00	.01	.04	.00	---	.00	.00	.00	.00	.02	.00	.00
31	.00	---	.19	.00	---	.00	---	.00	---	.00	.00	---
TOTAL	2.56	2.43	2.95	0.65	1.42	0.88	2.31	1.54	1.55	4.00	3.68	1.78
CAL YR 1987 TOTAL	28.95											
WTR YR 1988 TOTAL	25.75											

e Estimated



TOTAL DAILY PRECIPITATION
IRONDEQUOIT CREEK BASIN

430850077304801. AT BLOSSOM ROAD, ROCHESTER, N.Y.

LOCATION.--Lat 43°08'50", long 77°30'48", Monroe County, Hydrologic Unit 04140101, at U.S. Geological Survey stream gage on right bank of Irondequoit Creek, 120 ft downstream from bridge on Blossom Road, 1.6 mi east of Rochester, 2.5 mi downstream from Allen Creek, and 3.6 mi upstream from Irondequoit Bay.

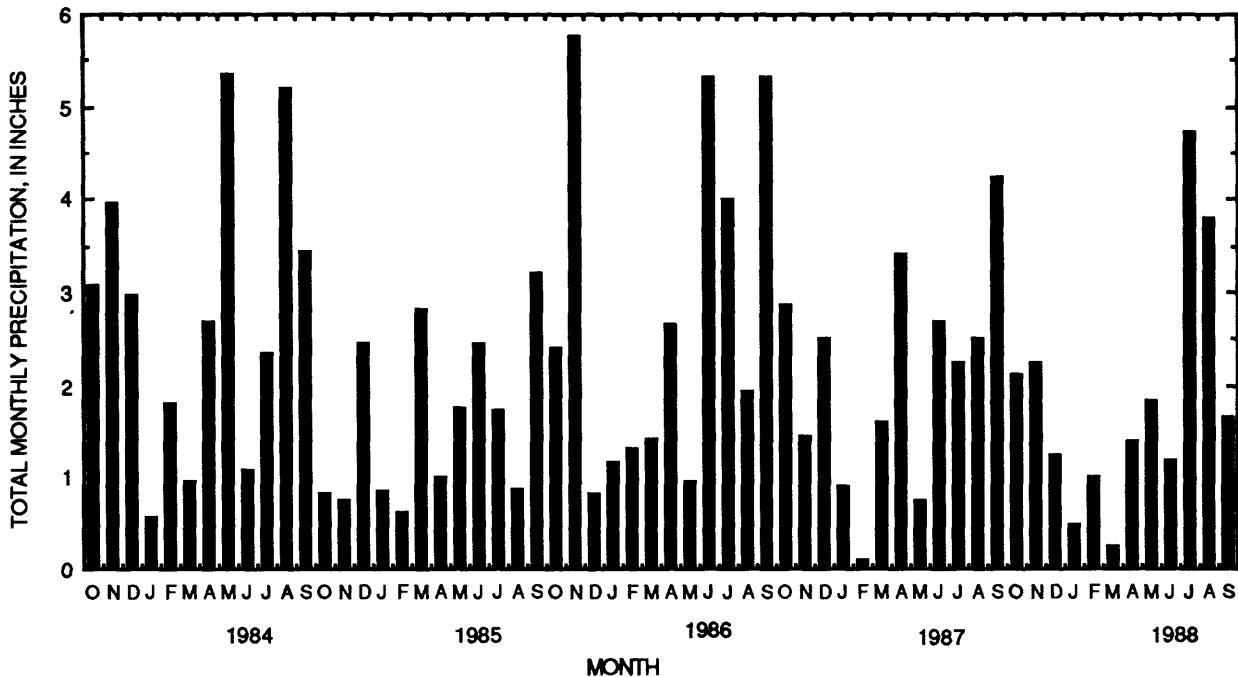
PERIOD OF RECORD.--October 1983 to current year.

EQUIPMENT.--Iowa-type precipitation gage with 8-in diameter receiver funnel mounted on roof of stream gage shelter, and 4-in diameter PVC collector pipe mounted inside of gage shelter. The bottom portion of the receiver funnel is wrapped with heat tape to prevent freezing and to facilitate the rapid melting of snow. A float-driven punched-tape recorder stores 15-min values of water level in the collector pipe. Values recorded are to the nearest 0.01 in.

REMARKS.--Records good except those for estimated precipitation, which are fair. During periods of missing or doubtful precipitation record, the total precipitation for a given period (usually between inspections) is normally known. Records from nearby precipitation gages are then used to estimate the distribution of the known total precipitation over the given period.

ANNUAL MAXIMUM.--Maximum total daily precipitation for water years 1984-88:

Water year	Date	Precipitation (inches)
1984	Nov. 11	1.48
1985	Sept. 5	1.09
1986	Sept. 29	1.78
1987	Aug. 10	1.14
1988	Nov. 29	1.19

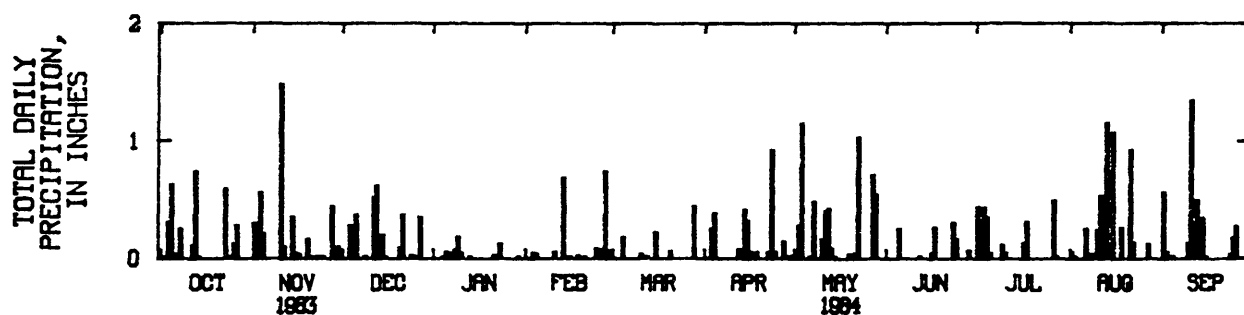


TOTAL DAILY PRECIPITATION
IRONDEQUOIT CREEK BASIN

430850077304801. AT BLOSSOM ROAD, ROCHESTER, N.Y.--continued

TOTAL DAILY PRECIPITATION, INCHES, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.02	0.00	0.00	0.00	0.00
2	.00	.30	.00	.00	.00	.00	.00	.00	.00	.44	.05	.56
3	.01	.12	.00	.00	.00	.00	.00	.28	.00	.00	.01	.05
4	.31	.56	.28	.00	.04	.00	.25	1.15	.00	.43	.00	.01
5	.63	.21	.00	.01	.03	.18	.38	.00	.00	.35	.00	.01
6	.03	.00	.37	.05	.00	.00	.00	.00	.25	.04	.00	.00
7	.00	.00	.00	.00	.00	.00	.00	.01	.00	.00	.25	.00
8	.25	.00	.00	.04	.00	.00	.00	.48	.00	.00	.00	.00
9	.00	.00	.01	.07	.00	.00	.00	.00	.00	.00	.03	.00
10	.00	.00	.00	.18	.00	.00	.00	.00	.00	.11	.02	.13
11	.00	1.48	.00	.04	.05	.03	.00	.16	.00	.04	.24	1.34
12	.11	.10	.52	.00	.00	.00	.00	.40	.00	.00	.53	.01
13	.74	.00	.62	.00	.00	.01	.07	.42	.01	.00	.43	.49
14	.01	.00	.13	.01	.69	.00	.00	.08	.00	.00	1.15	.01
15	.00	.35	.20	.00	.00	.00	.41	.01	.00	.00	.00	.34
16	.00	.04	.01	.00	.01	.22	.32	.00	.00	.00	1.07	.01
17	.00	.03	.00	.00	.00	.00	.05	.00	.04	.13	.00	.00
18	.00	.00	.00	.00	.00	.00	.00	.00	.26	.31	.00	.00
19	.00	.00	.00	.00	.02	.00	.05	.00	.00	.00	.26	.00
20	.00	.16	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00
21	.00	.01	.09	.00	.01	.06	.00	.00	.00	.00	.00	.00
22	.00	.00	.37	.02	.00	.00	.00	.04	.00	.00	.92	.00
23	.59	.01	.00	.02	.00	.00	.05	1.03	.00	.00	.13	.00
24	.00	.01	.00	.12	.00	.00	.92	.00	.30	.00	.00	.03
25	.01	.01	.02	.00	.08	.00	.05	.00	.16	.00	.00	.17
26	.12	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.27
27	.28	.00	.00	.00	.07	.00	.00	.00	.00	.49	.00	.00
28	.00	.44	.35	.00	.74	.00	.14	.71	.00	.01	.12	.00
29	.00	.02	.00	.00	.06	.44	.00	.54	.06	.00	.00	.00
30	.00	.10	.00	.01	---	.00	.01	.00	.00	.00	.00	.00
31	.00	---	.00	.00	---	.00	---	.00	---	.00	.00	---
TOTAL	3.09	3.95	2.98	0.57	1.80	0.95	2.70	5.36	1.08	2.35	5.21	3.43
WTR YR 1984 TOTAL	33.47											



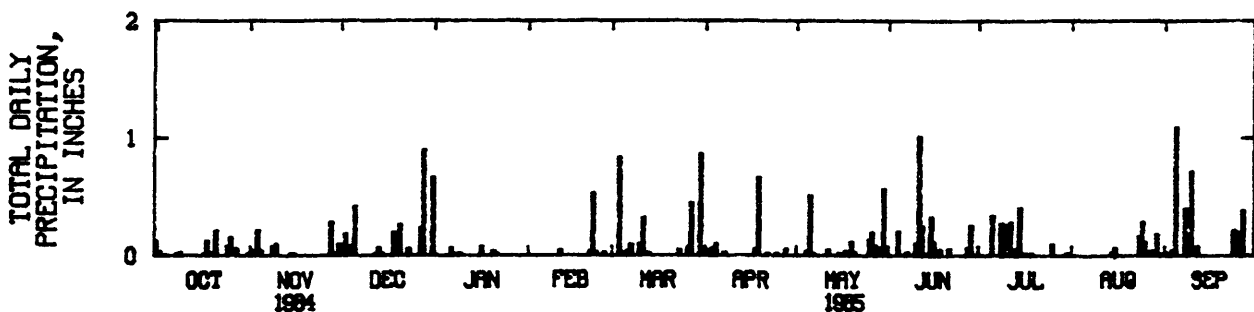
TOTAL DAILY PRECIPITATION
IRONDEQUOIT CREEK BASIN

430850077304801. AT BLOSSOM ROAD, ROCHESTER, N.Y.--continued

TOTAL DAILY PRECIPITATION, INCHES, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.12	0.01	0.09	0.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	.03	.04	.00	.00	e.00	.00	.00	.00	.00	.00	.00	.02
3	.00	.00	.18	.00	e.00	.00	.04	.00	.00	.00	.00	.00
4	.00	.21	.00	.00	e.00	.83	.06	.00	.00	.00	.00	.04
5	.00	.03	.07	.00	e.00	.02	.10	.03	.20	.00	.00	1.09
6	.00	.00	.41	.00	e.00	.00	.00	.50	.00	.33	.00	.00
7	.00	.00	.00	.06	e.00	.03	.00	.01	.00	.00	.00	.00
8	.01	.00	.00	.01	e.00	.09	.02	.00	.02	.00	.00	.39
9	.02	.07	.00	.00	e.00	.00	.00	.00	.00	.27	.00	.11
10	.00	.09	.00	.01	e.00	.00	.00	.00	.00	.26	.00	.71
11	.00	.00	.00	.00	.00	.10	.00	.00	.10	.00	.00	.00
12	.00	.00	.00	.00	.04	.32	.00	.04	1.01	.28	.00	.07
13	.00	.00	.01	.00	.00	.01	.00	.00	.25	.00	.00	.00
14	.00	.00	.06	.00	.00	.01	.00	.00	.00	.05	.00	.00
15	.00	.01	.01	.00	.00	.00	.00	.00	.01	.40	.02	.00
16	.00	.01	.00	.00	.00	.00	.00	.01	.32	.01	.06	.00
17	.01	.00	.00	.07	.00	.00	.00	.00	.11	.01	.00	.00
18	.12	.00	.00	.00	.00	.00	.05	.03	.03	.00	.00	.00
19	.02	.00	.19	.00	.00	.00	.66	.00	.04	.01	.00	.00
20	.00	.00	.00	.00	.00	.00	.00	.11	.00	.00	.00	.00
21	.21	.00	.26	.03	.00	.00	.00	.02	.00	.00	.00	.00
22	.00	.00	.00	.01	.03	.00	.01	.00	.05	.00	.00	.00
23	.00	.00	.00	.00	.52	.00	.00	.00	.00	.00	.00	.00
24	.00	.00	.05	.00	.02	.04	.00	.00	.00	.00	.16	.21
25	.08	.00	.00	.00	.00	.00	.01	.00	.00	.00	.28	.00
26	.15	.00	.00	.00	.00	.00	.00	.13	.00	.09	.11	.19
27	.00	.00	.00	.00	.02	.07	.00	.19	.00	.00	.00	.38
28	.05	.28	.23	.00	.00	.44	.05	.08	.06	.00	.03	.00
29	.00	.00	.89	.00	---	.00	.00	.06	.25	.00	.02	.00
30	.00	.01	.00	.00	---	.00	.00	.00	.00	.00	.18	.00
31	.00	---	.00	.00	---	.86	---	.56	---	.01	.01	---
TOTAL	0.82	0.76	2.45	0.85	0.63	2.82	1.00	1.77	2.45	1.72	0.87	3.21
CAL YR 1984	TOTAL		27.48									
WTR YR 1985	TOTAL		19.35									

e Estimated



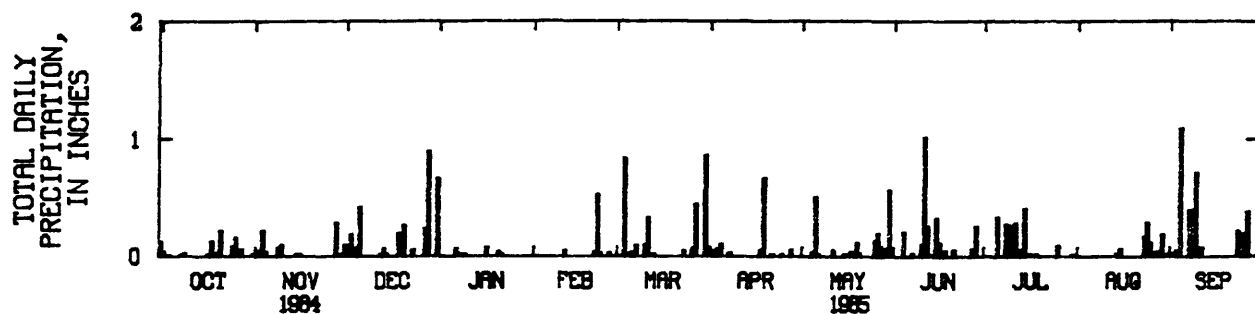
TOTAL DAILY PRECIPITATION
IRONDEQUOIT CREEK BASIN

430850077304801. AT BLOSSOM ROAD, ROCHESTER, N.Y.--continued

TOTAL DAILY PRECIPITATION, INCHES, WATER YEAR OCTOBER 1985 TO SEPTEMBER 1986

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.10	0.00	0.01	0.00	0.28	0.00	0.01	0.07	e0.58	0.11	0.37	0.00
2	.00	.00	.08	.00	.00	.00	.00	.00	e.00	e.88	.00	.00
3	.00	.31	.00	.01	.00	.00	.00	.00	.00	e.00	.00	.00
4	.00	.43	.00	.00	.24	.00	.11	.00	.00	.00	.50	.00
5	.20	e1.00	.00	.00	.11	.00	.53	.00	.69	.00	.00	.26
6	.00	e.07	.01	.02	.00	.14	.02	.00	.01	.00	.00	.00
7	.00	e.03	.00	.00	.12	.01	.17	.00	e.60	.28	.35	.00
8	.00	e.16	.00	.00	.10	.03	.02	.00	e.05	.00	.06	.00
9	.00	e.29	.00	.00	.00	.16	.03	.00	e.00	.00	.00	.00
10	.15	e.31	.03	.00	.00	.17	.00	.00	.00	.00	.01	.00
11	.00	e.02	.19	.00	.00	.02	.02	.00	.05	.00	.01	.14
12	.10	e.29	.10	.00	.00	.00	.00	.00	e.81	e.40	.00	.09
13	.14	e.25	.26	.01	.00	.48	.00	.00	.00	e.27	.00	.08
14	.04	e.15	.01	.03	.00	.12	.00	.00	.00	e.00	.00	.00
15	.33	e.01	.00	.00	.00	.03	.05	.23	.11	.00	.05	.92
16	.00	.30	.02	.00	.00	.00	.99	.00	.32	.00	.16	.11
17	.00	.00	.00	.00	.13	.00	.00	.00	.00	.02	.00	.00
18	.04	.00	.00	.00	.00	.00	.00	.00	.00	.40	.00	.01
19	.87	.00	.00	.22	.03	.13	.01	.01	.47	.00	.00	.00
20	.00	.00	.00	.81	.00	.00	.00	e.59	.64	.00	.00	.17
21	.00	.00	.00	.00	.26	.01	.02	e.05	.00	.00	.07	.00
22	.03	1.23	.01	.00	.00	.00	.00	.00	.21	.00	.00	.00
23	.00	.00	.10	.00	.00	.00	.68	.01	e.24	.00	.10	.95
24	.40	.00	.00	.00	.00	.00	.00	.00	.01	.00	.14	.00
25	.01	.01	.01	.00	.00	.00	.00	.00	e.00	.00	.00	.00
26	.00	.45	.00	.01	.04	.04	.00	.00	.00	.00	.09	.08
27	.00	.00	.00	.04	.00	.07	.00	.00	.30	.00	.01	.01
28	.00	.45	.00	.01	.00	.01	.00	.00	.00	.04	.01	.00
29	.00	.00	.00	.01	---	.01	.00	.00	.24	.14	.00	1.78
30	.00	.00	.00	.00	---	.00	.00	.00	.01	.86	.00	.74
31	.00	---	.00	.00	---	.00	---	.00	---	.61	.00	---
TOTAL	2.41	5.76	0.83	1.17	1.31	1.43	2.66	0.96	5.34	4.01	1.93	5.34
CAL YR 1985	TOTAL		24.32									
WTR YR 1986	TOTAL		33.15									

e Estimated



TOTAL DAILY PRECIPITATION
IRONDEQUOIT CREEK BASIN

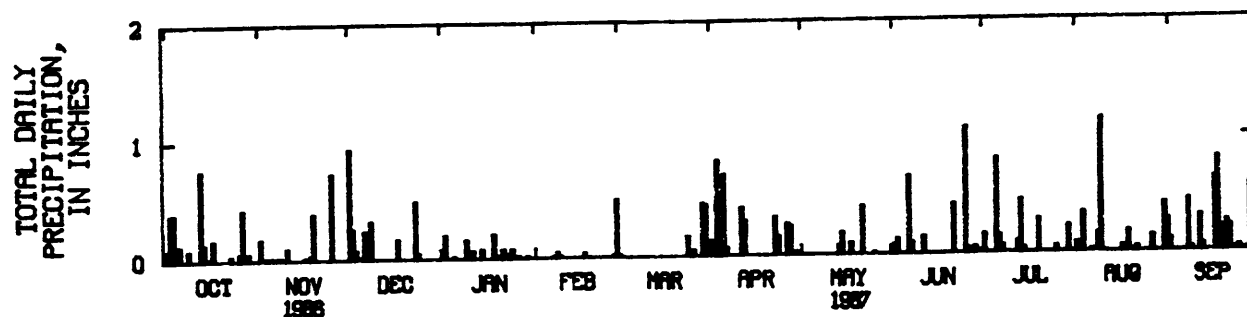
430850077304801. AT BLOSSOM ROAD, ROCHESTER, N.Y.--continued

TOTAL DAILY PRECIPITATION, INCHES, WATER YEAR OCTOBER 1986 TO SEPTEMBER 1987

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.08	0.00	0.00	0.00	0.00	e.048	0.00	0.00	0.06	0.00	0.00	e0.27
2	.07	.17	.93	.01	.00	e.01	.12	.00	.06	.15	.07	.10
3	.38	.00	.25	e.19	.00	.00	.00	.00	.12	.00	.01	.00
4	.39	.01	.07	.00	.00	.00	.81	.00	.00	.00	e.33	.00
5	.12	.01	.00	.00	.00	.00	.05	.00	.00	.00	.00	.00
6	.12	.01	.01	.01	.00	.00	.69	.00	.00	.80	.00	.00
7	.00	.00	.23	.00	.00	.00	.06	.00	e.66	.14	e.01	.00
8	.00	.01	.03	.00	.01	.00	.00	.00	e.09	.05	.00	.44
9	.08	.01	.31	.00	.04	.00	.00	.00	.00	.00	.15	.02
10	.00	.00	.00	e.15	.01	.00	.00	.00	.00	.00	1.14	.00
11	.00	.09	.00	e.01	.00	.00	.00	.00	.00	.00	.00	.00
12	.00	.00	.00	e.06	.00	.00	.40	.00	.14	.00	.00	.30
13	.76	.00	.00	.00	.00	.00	.29	.00	.00	.09	.00	.05
14	.13	.00	.00	.00	.00	.00	.00	.07	.00	.44	.00	.00
15	.00	.00	.00	e.07	.00	.00	.00	.18	.00	.03	.00	.00
16	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
17	.16	.01	.00	.00	.00	.00	.00	.00	.00	.00	.04	.63
18	.00	.00	.16	.00	.03	.00	.00	.09	.00	.00	.00	.80
19	.00	.03	.00	e.20	.00	.00	.00	.00	.00	.00	.17	.20
20	.00	.38	.00	e.02	.00	.00	.00	.00	.00	.28	.01	.03
21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.25
22	.00	.00	.00	e.07	.00	.00	.00	.40	.41	.00	.03	.21
23	.03	.00	.00	.00	.00	.00	.32	.00	.00	.00	.00	.01
24	.00	.00	.48	e.03	.00	.00	.15	.00	.00	.00	.00	.00
25	.00	.00	.04	e.07	.00	e.16	.00	.00	.00	.00	.00	.03
26	.05	.72	.00	.00	.00	e.04	.00	.01	1.07	.04	.00	.00
27	.42	.00	.00	e.01	.00	e.04	.26	.00	.03	.00	.13	.00
28	.03	.00	.00	.00	.01	.00	.24	.00	.00	.00	.00	.01
29	.05	.00	.00	.00	---	.00	.01	.00	.04	.00	.00	.57
30	.00	.00	.00	e.01	---	.44	.02	.00	.01	.22	.00	.31
31	.00	---	.00	.00	---	.43	---	.00	---	.00	e.41	---
TOTAL	2.88	1.45	2.51	0.91	0.10	1.60	3.42	0.75	2.69	2.24	2.50	4.23

CAL YR 1986 TOTAL 30.99
WTR YR 1987 TOTAL 25.28

e Estimated



TOTAL DAILY PRECIPITATION
IRONDEQUOIT CREEK BASIN

430850077304801. AT BLOSSOM ROAD, ROCHESTER, N.Y.--continued

TOTAL DAILY PRECIPITATION, INCHES, WATER YEAR OCTOBER 1987 TO SEPTEMBER 1988

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.45	0.00	0.03	0.01	0.03	0.00	0.46	0.00	0.26	0.00	0.00	0.00
2	.24	.00	.00	.00	.17	.01	.00	.00	.00	.00	.00	.00
3	.18	.06	.00	.00	.10	.00	.00	.01	.00	.00	.00	.00
4	.00	.00	.17	.00	.17	.00	.77	.00	.00	.00	.00	.48
5	.00	.02	.01	.00	.02	.00	.00	.60	.00	.00	.00	.01
6	.00	.01	.00	.02	.01	.00	.00	.00	.00	.00	.07	.00
7	.22	.05	.00	.04	.00	.00	.00	.00	.05	.00	.00	.00
8	.05	.11	.00	.00	.06	.00	.10	.00	.00	.00	.00	.00
9	.00	.21	.06	.00	.02	.04	.00	.00	.00	.00	.00	.00
10	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
11	.18	.00	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00
12	.00	.00	.03	.06	.05	.00	.00	.00	.00	.00	.00	.00
13	.01	.00	.00	.00	.00	.00	.00	.04	.00	.00	.00	.11
14	.00	.00	.00	.00	.00	.00	.05	.00	.00	.81	.00	.00
15	.00	.00	.10	.00	.11	.00	.01	.00	.00	.00	.30	.00
16	.00	.00	.00	.04	.09	.00	.00	.33	.00	.02	.00	.00
17	.00	.26	.00	.04	.00	.00	.00	.00	.00	1.14	.20	.48
18	.00	.04	.33	.07	.00	.00	.00	.06	.00	.00	.00	.03
19	.24	.00	.01	.00	.14	.00	.00	.48	.00	.06	.00	.00
20	.09	.02	.38	.21	.00	.01	.01	.24	.00	.00	.00	.00
21	.15	.00	.00	.01	.00	.00	.00	.08	.00	.61	.00	.00
22	.02	.00	.00	.00	.01	.00	.00	.00	.71	.00	.00	.00
23	.10	.00	.00	.00	.03	.00	.00	.00	.01	.81	.96	.54
24	.07	.00	.00	.00	.00	.19	.00	.00	.00	1.02	.15	.00
25	.01	.22	.00	.00	.00	.01	.00	.00	.07	.01	.53	.00
26	.00	.03	.00	.00	.00	.00	.00	.00	.00	.07	.00	.00
27	.06	.01	.00	.00	.00	.00	.00	.00	.00	.17	.00	.00
28	.01	.01	.01	.00	.00	.00	.00	.00	.10	.00	.91	.00
29	.00	1.19	.10	.00	.00	.00	.00	.00	.00	.00	.64	.00
30	.00	.01	.00	.00	---	.00	.00	.00	.00	.00	.04	.00
31	.00	---	.01	.00	---	.00	---	.00	---	.00	.00	---
TOTAL	2.11	2.25	1.24	0.50	1.02	0.26	1.40	1.84	1.20	4.72	3.80	1.65
CAL YR 1987	TOTAL	23.15										
WTR YR 1988	TOTAL	21.99										

