Water Resources Data for New York

Volume 2. Long Island

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT NY-78-2

WATER YEAR 1978

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

CALENDAR FOR WATER YEAR 1978

1977

OCTOBER

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1978

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AUGUST

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Water Resources Data for New York

Volume 2. Long Island

U.S.GEOLOGICAL SURVEY WATER-DATA REPORT NY-78-2

WATER YEAR 1978

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

UNITED STATES DEPARTMENT OF THE INTERIOR

CECIL D. ANDRUS, Secretary

GEOLOGICAL SURVEY

H. W. Menard, Director

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U.S. Geological Survey
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1979

PREFACE

This report was prepared by personnel of the New York district of the Water Resources Division of the U.S. Geological Survey under the supervision of R. J. Dingman, succeeded by L. A. Martens, District Chief, and J. E. Biesecker, Regional Hydrologist, Northeastern Region. It was done in cooperation with the State of New York and with other agencies.

This report is one of a series issued by State. General direction for the series is by J. S. Cragwall, Jr., Chief Hydrologist, U.S. Geological Survey, and G. W. Whetstone, succeeded by Philip Cohen, Assistant Chief Hydrologist for Scientific Publications and Data Management.

Data for New York are in two volumes as follows:

Volume 1. New York excluding Long Island
Volume 2. Long Island

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

16. Abstracts

Water resources data for the 1978 water year for New York consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; water quality of precipitation; and water levels and water quality of ground water wells. This volume contains records for water discharge at 16 gaging stations; water quality at 18 gaging stations, 403 wells, and 2 precipitation stations; and water levels at 123 observation wells. Also included are data for 81 low-flow partial-record stations. Additional water data were collected at various sites not involved in the systematic data collection program, and are published as miscellaneous measurements and analyses. These data together with the data in Volume 1 represent that part of the National Water Data System operated by the U.S. Geological Survey in cooperation with State, Federal, and other agencies in New York.

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17b. Identifiers/Open-Ended Terms

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CONTENTS

ILLUSTRATIONS

TABLE

[*Letter after station name designates type of data: (d) discharge, (e) contents and/or elevation, (c) chemical, (b) biological, (m) microbiological, (t) water temperature, (s) sediment*]

WATER RESOURCES DATA FOR NEW YORK, 1978
Volume 2.--Long Island

INTRODUCTION

Water resources data for the 1978 water year for New York consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; water quality of precipitation; and water levels and water quality of ground water wells. This volume contains records for water discharge at 16 gaging stations; water quality at 18 gaging stations, 403 wells, and 2 precipitation stations; and water levels at 123 observation wells. Also included are data for 81 low-flow partial-record stations. Additional water data were collected at various sites not involved in the systematic data collection program, and are published as miscellaneous measurements and analyses. These data together with the data in Volume 1 represent that part of the National Water Data System operated by the U.S. Geological Survey in cooperation with State, Federal, and other agencies in New York.

Records of discharge and stage of streams, and contents or stage of lakes and reservoirs were first published in a series of U.S. Geological Survey water-supply papers entitled "Surface Water Supply of the United States." Through September 30, 1960, these water-supply papers were in an annual series and then in a 5-year series for 1961-65 and 1966-70. Records of chemical quality, water temperatures, and suspended sediment were published from 1941 to 1970 in an annual series of water-supply papers entitled "Quality of Surface Waters of the United States." Records of ground-water levels were published from 1935 to 1974 in a series of water-supply papers entitled "Ground-Water Levels in the United States." Water-supply papers may be consulted in the libraries of the principal cities in the United States or may be purchased from Branch of Distribution, U.S. Geological Survey, 1200 South Eads Street, Arlington, VA 22202.

For water years 1961 through 1974, streamflow data were released by the Geological Survey in annual reports on a State-boundary basis. Water-quality records for water years 1964 through 1974 were similarly released either in separate reports or in conjunction with streamflow records.

Beginning with the 1975 water year, water data for streamflow, water quality, and ground water are published in official Survey reports on a State-boundary basis. These official Survey reports carry an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this volume is identified as "U.S. Geological Survey Water-Data Report NY-78-2". For archiving and general distribution, the reports for water years 1971-74 are also identified as water-data reports. These water-data reports are for sale, in paper copy or in microfiche, by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

Additional information, including current prices, for ordering specific reports may be obtained from the district chief at the address given on the back of the title page or by telephone (518) 472-2457.

COOPERATION

The U.S. Geological Survey and organizations of the State of New York and other agencies have had cooperative agreements for the systematic collection of water records since 1900. Organizations that assisted in collecting the data included in Volume 2 through cooperative agreement with the Survey are:

New York State Department of Environmental Conservation, Peter A. A. Berle, commissioner.
County of Nassau, Department of Public Works, M. R. Pender, commissioner.
County of Suffolk, Department of Environmental Control, J. M. Flynn, commissioner.
County of Suffolk, Water Authority, R. J. Flynn, chairman.

The following organizations aided in collecting records:

Nassau County Department of Health, Nassau County Department of Public Works, Suffolk County Department of Environmental Control and Suffolk County Water Authority.

ACKNOWLEDGMENT

Preparation of the Long Island volume of the New York Water Resources Data Report was supervised by Anthony G. Spinello. Others who contributed significantly were James G. Carcaci, James H. Nakao, Juli B. Lindner, Gregory M. Terlecki, and Elizabeth A. Montano.

HYDROLOGIC CONDITIONS

As the water year began, streamflow at gaging stations and water levels in observation wells were near average. A significant storm during November, in combination with above average precipitation for the period October through January, resulted in above average streamflow and ground-water levels that continued into May. Hydrologic conditions for the remainder of the year were near normal. The inorganic chemical quality of precipitation, surface water, and ground water showed no significant change throughout the year.

A storm at the end of January, combined with high base-flow conditions, caused the highest daily discharge for the 1978 water year in most Long Island streams. Generally, maximum monthly discharge occurred in January throughout Long Island; the minimum monthly discharge occurred in October at the beginning of the water year, and returned to approximately the same level in September. Graphical illustrations of the pattern of streamflow on Long Island during water year 1978 are shown in figures 2 and 3.

Ground-water levels generally rose from October to February, stabilized until May, and declined from June through September. Although this pattern of ground-water fluctuations is normal on Long Island, water levels in most areas were at the highest monthly levels observed since 1962. The high ground-water levels resulted from above average precipitation during the first third of the year but also represented a continued recovery from the 1962-66 drought. The pattern of the fluctuation of ground-water levels during water year 1978 is shown in figures 4 and 5.

DEFINITION OF TERMS

Terms related to streamflow, water quality, and other hydrologic data, as used in this report, are defined below. See also the table for converting inch-pound system units to International System of units (SI) on the inside of the back cover.

Acre-foot (AC-FT, acre-ft) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet or about 326,000 gallons or 1,233 cubic meters.

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

Algal growth potential (AGP) is the maximum algal dry weight biomass that can be produced in a natural water sample under standardized laboratory conditions. The growth potential is the algal biomass present as stationary phase and is expressed as milligrams dry weight of algae produced per liter of sample.

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

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

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

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

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

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

Bed material: See Bottom material.

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

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

Ash mass is the mass or amount of residue present after the residue from the dry mass determination has been ashed in a muffle furnace at a temperature of 500°C for 1 hour. The ash mass values of zooplankton and phytoplankton are expressed in grams per cubic meter (g/m^3), and periphyton and benthic organisms in grams per square meter (g/m^2).

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

Organic mass or volatile mass of the living substance is the difference between the dry mass and ash mass, and represents the actual mass of the living matter. The organic mass is expressed in the same units as for ash mass and dry mass.

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

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

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

Recoverable from bottom material is the amount of a given constituent that is in solution after a representative sample of bottom material has been digested by a method (usually using an acid or mixture of acids) that results in dissolution of only readily soluble substances. Complete dissolution of all bottom material is not achieved by the digestion treatment and thus the determination represents less than the total amount (that is, less than 95 percent) of the constituent in the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digesetion procedures are likely to produce different analytical results.

Total in bottom material is the total amount of a given constituent in a representative sample of bottom material. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total in bottom material".

Cells/volume refers to the number of cells of any organism which is counted by using a microscope and grid or counting cell. Many planktonic organisms are multicelled and are counted according to the number of contained cells per sample, usually milliliters (mL) or liters (L).

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

Chemical oxygen demand (COD) is a measure of the chemically oxidizable material in the water, and furnishes an approximation of the amount of organic and reducing material present. The determined value may correlate with natural water color or with carbonaceous organic pollution from sewage or industrial wastes.

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

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

Color unit is produced by one milligram per liter of platinum in the form of the chloroplatinate ion. Color is expressed in units of the platinum-cobalt scale.

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

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

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

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

Cubic foot per second (FT^3/S, ft^3/s) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to approximately 7.48 gallons per second or 448.8 gallons per minute or 0.02832 cubic meters per second.

Discharge is 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) is the arithmetic mean of individual daily mean discharges during a specific period.

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

Dissolved refers to that material in a representative water sample which passes through a 0.45-micrometer membrane filter. This is a convenient operational definition used by Federal agencies that collect water data. Determinations of "dissolved" constituents are made on subsamples of the filtrate. It is recognized that certain kinds of samples cannot be filtered; to provide for this, procedures that are considered equivalent to filtering through a 0.45-micrometer membrane filter will be identified and announced at a later date.

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

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

Where n_i is the number of individuals per taxon, n is the total number of individuals, and s is the total number of taxa in the sample of the community. Diversity index values range from zero when all the organisms in the sample are the same, to some positive number, when some or all of the organisms in the sample are different.

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

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

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

Gaging station is a particular site on a stream, canal, lake, or reservoir where systematic observations of hydrologic data are obtained.

Hardness of water is a physical-chemical characteristic that is commonly recognized by the increased quantity of soap required to produce lather. It is attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as equivalent calcium carbonate ($CaCO_3$).

Hydrologic unit is a geographic area representing part or all of a surface drainage basin or distinct hydrologic feature as delineated by the Office of Water Data Coordination on the State Hydrologic Unit Maps; each hydrologic unit is identified by an 8-digit number.

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

Micrograms per gram (µg/g) is a unit expressing the concentration of a chemical element as the mass (micrograms) of the element sorbed per unit mass (gram) of sediment.

Micrograms per liter (UG/L, µg/L) is a unit expressing 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 one milligram per liter.

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

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. It was formerly called "Sea Level Datum of 1929" or "mean sea level" in this series of reports. Although the datum was derived from the average sea level over a period of many years at 26 tide stations along the Atlantic, Gulf of Mexico, and Pacific Coasts, it does not necessarily represent local mean sea level at any particular place.

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

Organism count/area refers to the number of organisms collected and enumerated in a sample and adjusted to the number per area habitat, usually square meters (m2), acres, or hectares. Periphyton benthic organisms, and macrophytes are expressed in these terms.

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

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

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

Particle-size is the diameter, in millimeters (mm), of suspended sediment or bed material determined by either sieve or sedimentation methods. Sedimentation methods (pipet, bottom-withdrawal tube, visual-accumumation tube) determine fall diameter of particles in either distilled water (chemically dispersed) or in native water (the river water at the time and point of sampling).

Particle-size classification used in this report agrees with recommendations made by the American Geophysical Union Subcommittee on Sediment Terminology.

The classification is as follows:

Classification	Size (mm)	Method of analysis
Clay.....	0.00024 - 0.004	Sedimentation.
Silt.....	.004 - .062	Sedimentation.
Sand.....	.062 - 2.0	Sedimentation or sieve.
Gravel.....	2.0 - 64.0	Sieve.

The particle-size distributions given in this report are not necessarily representative of all particles in transport in the stream. Most of the organic material is removed and the sample is subjected to mechanical and chemical dispersion before analysis in distilled water. Chemical dispersion is not used for native water analysis.

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

Periphyton is the assemblage of algae, fungi, and bacteria which are attached to or live upon submerged objects in lakes or rivers.

Pesticides are chemical compounds used to control undesirable plants and animals. Major categories of pesticides include insecticides, miticides, fungicides, herbicides, and rodenticides. Insecticides and herbicides, which control insects and plants respectively, are the two categories reported.

Picocurie (PC, pCi) is one trillionth (1×10^{12}) of the amount of radioactivity represented by a curie (Ci). A curie is the amount of radioactivity that yields 3.7×10^{10} radioactive disintegrations per second. A picocurie yields 2.22 dpm (disintegrations per minute).

Plankton is the community of suspended, floating, or weakly swimming organisms that live in the open water of lakes and rivers.

Phytoplankton is the plant part of the plankton. They are usually microscopic and their movement is subject to the water currents. Phytoplankton growth is dependent upon solar radiation and nutrient substances. Because they are able to incorporate as well as release materials to the surrounding water, the phytoplankton have a profound effect upon the quality of the water. They are the primary food producers in the aquatic environment, and are commonly known as algae.

Blue-green algae are a group of phytoplankton organisms having a blue pigment, in addition to the green pigment called chlorophyll. Blue-green algae often cause nuisance conditions in water.

Diatoms are the unicellular or colonial algae having a siliceous shell. Their concentrations are expressed as number of cells/mL of sample.

Euglenoids (Euglenophyta) are a group of algae that are usually free-swimming and rarely creeping. They have the ability to grow either photosynthetically in the light or heterotrophically in the dark.

Fire algae (Pyrrhophyta) are free-swimming unicells characterized by a red spot.

Green-algae have chlorophyll pigments similar in color to those of higher green plants. Some forms produce algal mats or floating "moss" in lakes. Their concentrations are expressed as number of cells/mL of sample.

Zooplankton is the animal part of the plankton. Zooplankton are capable of extensive movements within the water column, and are often large enough to be seen with the unaided eye. Zooplankton are secondary consumers feeding upon bacteria, phytoplankton, and detritus. Because they are the grazers in the aquatic environment, the zooplankton are a vital part of the aquatic food web. The zooplankton community is dominated by small crustaceans and rotifers.

Polychlorinated biphenyls (PCBs) are industrial chemicals that are mixtures of chlorinated biphenyl compounds having various percentages of chlorine. They are similar in structure to organochlorine insecticides.

Polychlorinated napthalenes (PCNs) are industrial chemicals that are mixtures of chlorinated napthalene compounds. They have properties and applications similar to polychlorinated biphenyls (PCBs) and have been identified in commercial PCB preparations.

Primary productivity is a measure of the rate at which new organic matter is formed and accumulated through photosynthetic and chemosynthetic activity of producer organisms (chiefly green plants). The rate of primary production is estimated by measuring the amount of oxygen released (oxygen method) or the amount of carbon assimilated by the plants (carbon method).

Milligrams of carbon per area or volume per unit time [mg C/(m^2·time) for periphyton and macrophytes and mg C/(m^3·time)] for phytoplankton are units for expressing primary productivity. They define the amount of carbon dioxide consumed as measured by radioactive carbon (carbon 14). The carbon 14 method is of greater sensitivity than the oxygen light and dark bottle method, and is preferred for use in unenriched waters. Unit time may be either the hour or day, depending on the incubation period.

Milligrams of oxygen per area or volume per unit time [mg O_2/(m^2·time) for periphyton and macrophytes and mg O_2/(m^3·time)] for phytoplankton are the units for expressing primary productivity. They define production and respiration rates as estimated from changes in the measured dissolved oxygen concentration. The oxygen light and dark bottle method is preferred if the rate of primary production is sufficient for accurate measurements to be made within 24 hours. Unit time may be either the hour or day, depending on the incubation period.

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

Sediment is 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, characteristics, and cause of the occurrence of sediment in streams are influenced by environmental factors. Some major factors are degree of slope, length of slope, soil characteristics, land usage, and quantity and intensity of precipitation.

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

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

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

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

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

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

Specific conductance is a measure of the ability of a water to conduct an electrical current. It is expressed in micromhos per centimeter at 25°C. Specific conductance is related to the type and concentrations of ions in solution and can be used for approximating the dissolved-solids content of the water. Commonly, the concentration of dissolved solids (in milligrams per liter) is about 65 percent of the specific conductance (in micromhos). This relation is not constant from stream to stream, and it may vary in the same source with changes in the composition of the water.

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

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

Substrate is the physical surface upon which an organism lived.

Natural substrates refers to any naturally occurring emersed or submersed solid surface, such as a rock or tree, upon which an organism lived.

Artificial substrate is a device which is purposely placed in a stream or lake for colonization of organisms. The artificial substrate simplifies the community structure by standardizing the substrate from which each sample is taken. Examples of artificial substrates are basket samplers (made of wire cages filled with clean streamside rocks) and multi-plate samplers (made of hardboard) for benthic organism collection, and plexiglass strips for periphyton collection.

Surface area of a lake is that area outlined on the latest U.S.G.S. topographic map as a boundary of the lake and measured by a planimeter in acres. In localities not covered by topographic maps, the areas are computed from the best maps available at the time planimetered. All areas shown are those for the stage when the planimetered map was made.

Surficial bed material is that part (0.1 to 0.2 ft) of the bed material that is sampled using U.S. Series Bed-Material Samplers.

Suspended (as used in tables of chemical analyses) refers to the amount (concentration) of the total concentration in a water-sediment mixture. The water-sediment mixture is associated with (or sorbed on) that material retained on a 0.45-micrometer filter.

Suspended, recoverable is the amount of a given constituent that is in solution after the part of a representative water-suspended sediment sample that is retained on a 0.45-micrometer membrane filter has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all the particulate matter is not achieved by the digestion treatment and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

Determinations of "suspended, recoverable" constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total recoverable concentrations of the constituent.

Suspended, total is the total amount of a given constituent in the part of a representative water-suspended sediment sample that is retained on a 0.45-micrometer membrane filter. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to determine when the results should be reported as "suspended, total".

Determinations of "suspended, total" constituents are made either by analyzing portions of the material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total concentrations of the constituent.

Taxonomy is the division of biology concerned with the classification and naming of organisms. The classification of organisms is based upon a hierarchical scheme beginning with Kingdom and ending with Species at the base. The higher the classification level, the fewer features the organisms have in common. For example, the taxonomy of a particular mayfly, Hexagenia limbata is the following:

Kingdom.....Animal
Phylum.....Arthropoda
Class.....Insecta
Order.....Ephemeroptera
Family.....Ephemeridae
Genus.....Hexageria
Species.....Hexagenia limbata

Time-weighted average is computed by multiplying the number of days in the sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the total number of days. A time-weighted average represents the composition of water that would be contained in a vessel or reservoir that had received equal quantities of water from the stream each day for the year.

Tons per acre-foot indicates the dry mass of dissolved solids in 1 acre-foot of water. It is computed by multiplying the concentration in milligrams per liter by 0.00136.

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

Total (as used in tables of chemical analyses):

Total is the total amount of a given constituent in a representative water-suspended sediment sample, regardless of the constituent's physical or chemical form. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent present in both the dissolved and suspended phases of the sample. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total". (Note that the word "total" does double duty here, indicating both that the sample consists of a water-suspended sediment mixture and that the analytical method determines all of the constituent in the sample.)

Total, recoverable is the amount of a given constituent that is in solution after a representative water-suspended sediment sample has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all particulate matter is not achieved by the digestion treatment, and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the dissolved and suspended phases of the sample. To achieve comparability of analytical data, equivalent digestion procedures would be required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results.

When virtually all of a constituent is present in the dissolved phase, the reported value for the dissolved constituent may appear slightly greater than that for the total determination. The difference is within the standard laboratory error for the analytical methods used.

Total load (tons) is 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 by multiplying the total discharge, times the mg/L of the constituent, times the factor 0.0027, times the number of days.

Total organic carbon (TOC) is a measure of all organic matter present in aqueous solution and suspension.

Weighted average is used in this report to indicate discharge-weighted average. It is computed by multiplying the discharge for a sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the sum of the discharges. A discharge-weighted average approximates the composition of water that would be found in a reservoir containing all the water passing a given location during the water year after thorough mixing in the reservoir.

WRD is used as an abbreviation for "Water Resources Data" in the REVISED RECORDS paragraph to refer to State annual basic-data reports published before 1976.

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

DOWNSTREAM ORDER AND STATION NUMBERS

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

As an added means of identification, each hydrologic station, partial-record station, and miscellaneous site has been assigned a station number. These are in the same downstream order used in this report. In assigning station numbers, no distinction is made between partial-record stations, miscellaneous sites, and other stations; therefore, the station number for a partial-record station or a miscellaneous site indicates downstream-order position in a list made up of all types of stations. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete 8-digit number for each station such as 01300500 includes the 2-digit part number "01" plus the 6-digit downstream order number "300500". (In a few instances where no gaps were left in the 8-digit numbering sequence it was necessary to add one or two digits for identification; hence, there are a few stations or miscellaneous sites with 9- or 10-digit numbers.) (If random water-quality samples are taken at a miscellaneous site where a 9- or a 10-digit downstream order identification number is used, that site is assigned a latitude-longitude number.)

NUMBERING SYSTEM FOR WELLS

The 8-digit downstream order station numbers are not assigned to wells. The well-numbering system of the U.S. Geological Survey is based on the grid system of latitude and longitude. The system provides the geographic location of the well and a unique number for each site. The number consists of 15 digits. The first 6 digits denote the degrees, minutes, and seconds of latitude, the next 7 digits denote degrees, minutes, and seconds of longitude, and the last 2 digits (assigned sequentially) identify the wells within a 1-second grid. See figure 1 below.

A local well-numbering system is also used. It is a 2-part identifier, assigned by the New York State Department of Environmental Conservation, consisting of the abbreviation of county name and the serial number of the well within the county.

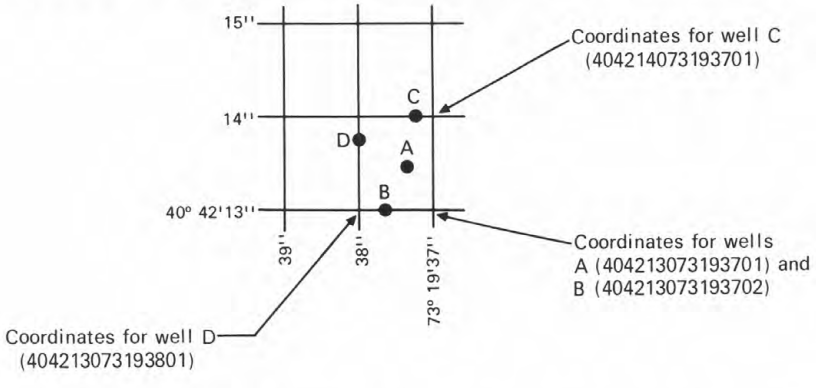

Figure 1. System for numbering wells (latitude and longitude)

SPECIAL NETWORKS AND PROGRAMS

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

National stream-quality accounting network (NASQAN) is a data collection network designed by the U.S. Geological Survey to meet many of the information demands of agencies or groups involved in national or regional water-quality planning and management. Both accounting and broad-scale monitoring objectives have been incorporated into the network design. Areal configuration of the network is based on river-basin accounting units (identified by 8-digit hydrologic-unit numbers) designated by the Office of Water Data Coordination in consulation with the Water Resources Council. Primary objectives of the network are (1) to depict areal variability of streamflow and water-quality conditions nationwide on a year-by-year basis and (2) to detect and assess long-term changes in streamflow and stream quality.

Pesticide program is a network of regularly sampled water-quality stations where samples are collected to determine the concentration and distribution of pesticides in streams where potential contamination could result from the application of the commonly used insecticides and herbicides. Operation of the network is a Federal interagency activity.

Radiochemical program is a network of regularly sampled water-quality stations where samples are collected to be analyzed for radioisotopes. The streams that are sampled represent major drainage basins in the conterminous United States.

EXPLANATION OF STAGE AND WATER-DISCHARGE RECORDS

Collection and Computation of Data

The base data collected at gaging stations consist of records of stage and measurements of discharge of streams or canals, and stage, surface area, and contents of lakes or reservoirs. In addition, observations of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in determining the daily flow or volume of water in storage. Records of stage are obtained from either direct readings on a nonrecording gage or from a water-stage recorder that gives either a continuous graph of the fluctuations or a tape punched at selected time intervals. Measurements of discharge are made with a current meter, using the general methods adopted by the Geological Survey. These methods are described in standard textbooks, in Water-Supply Paper 888, and in U.S. Geological Survey Techniques of Water Resources Investigations, book 3, chapter A6.

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

At some stream-gaging stations the stage-discharge relation is affected by the backwater from reservoirs, tributary streams, or other sources. This necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in computing discharge. The slope or fall is obtained by means of an auxiliary gage set at some distance from the

base gage. At some stations the stage-discharge relation is affected by changing stage; at these stations the rate of change in stage is used as a factor in computing discharge.

At some stream-gaging stations the stage-discharge relation is affected by ice in the winter, and it becomes impossible to compute the discharge in the usual manner. Discharge for periods of ice effect is computed on the basis of gage-height record and occasional winter discharge measurements. Consideration is given to the available information on temperature and precipitation, notes by gage observers and hydrologists, and comparable records of discharge for other stations in the same or nearby basins.

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

If the stage-capacity curve is subject to changes because of deposition of sediment in the reservoir, periodic resurveys of the reservoir are necessary to define new stage-capacity curves. During the period between reservoir surveys the computed contents may be increasingly in error due to the gradual accumulation of sediment.

For some gaging stations there are periods when no gage-height record is obtained or the recorded gage height is so faulty that it cannot be used to compute daily discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods the daily discharges are estimated on the basis of recorded range in stage, prior and subsequent records, discharge measurements, weather records, and comparison with records for other stations in the same or nearby basins. Likewise daily contents may be estimated on the basis of operator's log, prior and subsequent records, inflow-outflow studies, and other information.

The data in this report generally comprise a description of the station and tabulations of daily and monthly figures. For gaging stations on streams or canals a table showing the daily discharge and monthly and yearly discharge is given. For gaging stations on lakes and reservoirs a monthly summary table of stage and contents or a table showing the daily contents is given. Tables of daily mean gage heights are included for some streamflow stations and for some reservoir stations. Records are published for the water year, which begins on October 1 and ends on September 30.

The description of the gaging station gives the location, drainage area, period of record, notations of revisions of previously published records, type and history of gages, general remarks, average discharge, and extremes of discharge or contents. The location of the gaging station and the drainage area are obtained from the most accurate maps available. River mileage, given under "LOCATION" for some stations, is that determined and used by the Corps of Engineers or other agencies. Periods for which there are published records for the present station or for stations generally equivalent to the present one are given under "PERIOD OF RECORD."

Previously published streamflow records of some stations have been found to be in error on the basis of data or information later obtained. Revisions of such records are usually published along with the current records in one of the annual or compilation reports. In order to make it easier to find such revised records, a paragraph headed "REVISED RECORDS" has been added to the description of all stations for which revised records have been published. Listed therein are all the reports in which revisions have been published, each followed by the water years for which figures are revised in that report. In listing the water years only one number is given; for instance, 1965 stands for the water year October 1, 1964, to September 30, 1965. If no daily, monthly or annual figures of discharge are affected by the revision, the fact is brought out by notations after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)" that only the instantaneous minimum was revised; and "(P)" that only peak discharges were revised. If the drainage area has been revised, the report in which the revised figure was first published is given. It should be noted that for all stations for which cubic feet per second per square mile and runoff in inches are published, a revision of the drainage area necessitates corresponding revision of all figures based on the drainage area. Revised figures of cubic feet per second per square mile and runoff in inches resulting from a revision of the drainage area only are usually not published in the annual series of reports.

The type of gage currently in use; the datum of the present gage referred to National Geodetic Vertical Datum; and a condensed history of the types, locations, and datums of previous gages used during the period of record are given under "GAGE." National Geodetic Vertical Datum is explained in "DEFINITION OF TERMS" on page 7.

Information pertaining to the accuracy of the discharge records and to conditions which affect the natural flow of the gaging station is given under "REMARKS." For reservoir stations information on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir is given under "REMARKS."

The average discharge for the number of years indicated is given under "AVERAGE DISCHARGE"; it is not given for stations having fewer than 5 complete years of record or for stations where changes in water development during the period of record cause the figure to have little significance. In addition, the median of yearly mean discharges is given for stream-gaging stations having 10 or more complete years of record if the median differs from the average by more than 10 percent. Under "EXTREMES" are given first, the extremes for the period of record, second, information available outside the period of record, and last, those for the current year. Unless otherwise qualified, the maximum discharge (or contents) is the instantaneous maximum corresponding to the crest stage obtained by use of a water-stage recorder (graphic or digital), a crest-stage gage, or a nonrecording gage read at the time of the crest. If the maximum gage height did not occur on the same day as the maximum discharge (or contents), it is given separately. Similarly, the minimum is the instantaneous minimum unless otherwise qualified. For some stations peak discharges are listed with "EXTREMES FOR THE CURRENT YEAR"; if they are, all independent peaks, including the maximum for the year, above the selected base with the time of occurrence and corresponding gage heights are published in tabular format. 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. Peak discharges are not published for any canals, ditches, drains, or for any stream 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 minimums for these stations are published in a separate paragraph following the table of peaks.

The daily table for stream-gaging stations gives the mean discharge for each day and is followed by monthly and yearly summaries. In the monthly summary below the daily table, the line headed "TOTAL" gives the sum of the daily figures. The line headed "MEAN" gives the average flow in cubic feet per second during the month. The lines headed "MAX" and "MIN" give the maximum and minimum daily discharges, respectively, for the month. Discharge for the month also may be expressed in cubic feet per second per square mile (line headed "CFSM"), or in inches (line headed "IN."). Figures for cubic feet per second per square mile and runoff in inches are omitted if there is extensive regulation or diversion, if the drainage area includes large noncontributing areas, or if the average annual rainfall over the drainage basin is usually less than 20 inches. In the yearly summary below the monthly summary, the figures shown are the appropriate daily discharges for the calendar and water years.

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

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

Data collected at partial-record stations follow the information for continuous-record sites. Data for partial-record discharge stations are presented in two tables. The first is a table of discharge measurements at low-flow partial-record stations, and the second is

a table of annual maximum stage and discharge at crest-stage stations. The tables of partial-record stations are followed by a listing of discharge measurements made at sites other than continuous-record or partial-record stations. Occasionally, a series of discharge measurements are made within a short time period to investigate the seepage gains or losses along a reach of a stream or to determine the low-flow characteristics of an area. Such measurements are also given in special tables following the tables of partial-record stations.

Accuracy of Field Data and Computed Results

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

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

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

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

Other Data Available

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

Information on the availability of unpublished data or statistical analyses may be obtained from the district office.

EXPLANATION OF WATER-QUALITY RECORDS

Classification of Records

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

Arrangement of Records

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

Descriptive Headings

For continuing record stations, data is preceded by information pertinent to the history of station operation. These descriptive headings give details regarding location, drainage area, period of record, type of data available, instrumentation, general remarks, cooperation, and extremes for parameters currently measured daily. Headings for precipitation-quality records include location information and a description of the sample collector.

Water Analysis

Most methods for collecting and analyzing water samples are described in the U.S. Geological Survey Techniques of Water-Resources Investigations listed on a following page.

One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled through several vertical sections to obtain a representative sample needed for an accurate mean concentration and for use in calculating load.

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

Terminology used in reporting chemical constituents is an indication of whether all or only part of a constituent associated with the solids in a water-quality sample is determined by a chemical analysis. (See preceding section, "Definition of Terms.") The "recoverable" in the terms "Suspended, recoverable", "Total, recoverable", and "Recoverable from bottom material" indicates that the constituent was digested by a method that results in the dissolution of only readily soluble substances. Thus, the determination may not represent all of the constituent actually present in the sample. The "total" in the terms "Total", "Suspended, total", and "Total in bottom material" is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined.

For chemical-quality stations equipped with digital monitors, the records consist of daily maximum, minimum, and mean values for each constituent measured and are based upon hourly punches beginning at 0100 hours and ending at 2400 hours for the day of record. More detailed records (hourly values) may be obtained from the district office.

Water Temperatures

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

At stations where recording instruments are used, either mean temperatures and/or maximum and minimum temperatures for each day are published.

Sediment

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

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

Measurements of particle-size distribution for suspended sediment have not been made for Long Island streams. Based on visual inspection of samples, the proportion of suspended sediment finer than 0.062 mm has been assumed to be greater than 95%.

EXPLANATION OF GROUND-WATER LEVEL RECORDS

Collection of Data

Only ground-water level data from a basic network of observation wells are published herein. This basic network contains observation wells so located that the most significant data are obtained from the fewest wells in the most important aquifers.

Each well is identified by means of (1) a 15-digit number that is based on latitude and longitude and (2) a local number that is provided for local needs. See figure 1.

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

Water-level measurements in this report are given in feet in reference to National Geodetic Vertical Datum of 1929. National Geodetic Vertical Datum of 1929 is the datum plane on which the national network of precise levels is based; land-surface datum is a datum plane that is approximately at land surface at each well. If known, the altitude of the land-surface datum in reference to National Geodetic Vertical Datum of 1929 is given in the well description. The height of the measuring point (MP) above or below land-surface datum is given in each well description. Water levels in wells equipped with recording gages are reported for every fifth day and the end of each month (eom).

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

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

Thirty-four manuals by the U.S. Geological Survey have been published to date in the series on techniques describing procedures for planning and executing specialized work in water-resources investigations. The material is grouped under major subject headings called books and is further divided into sections and chapters. For example, Section A of Book 3 (Applications of Hydraulics) is on surface water. The chapter, the unit of publication, is limited to a narrow field of subject matter. This format permits flexibility in revision and publication as the need arises. The reports listed below are for sale by the U.S. Geological Survey, Branch of Distribution, 1200 South Eads Street, Arlington, VA 22202 (authorized agent of the Superintendent of Documents, Government Printing Office). Prices are effective October 1978 but are subject to change.

NOTE: When ordering any of these publications, please give the title, book number, chapter number, and "U.S. Geological Survey Techniques of Water-Resources Investigations".

1-D1. *Water temperature-influential factors, field measurement, and data presentation,* by H. H. Stevens Jr., J. F. Ficke, and G. F. Smoot: USGS--TWRI Book 1, Chapter D1. 1975. 65 pages. $1.60.

1-D2. *Guidelines for collection and field analysis of ground-water samples for selected unstable constituents,* by W. W. Wood: USGS--TWRI Book 1, Chapter D2. 1976. 24 pages. $0.85.

2-D1. *Application of surface geophysics to ground-water investigations,* by A. A. R. Zohdy, G. P. Eaton, and D. R. Mabey: USGS--TWRI Book 2, Chapter D1. 1974. 116 pages. $1.90.

2-E1. *Application of borehole geophysics to water-resources investigations,* by W. S. Keys and L. M. MacCary: USGS--TWRI Book 2, Chapter E1. 1971. 126 pages. $1.75.

3-A1. *General field and office procedures for indirect discharge measurements,* by M. A. Benson and Tate Dalrymple: USGS--TWRI Book 3, Chapter A1. 1967. 30 pages. $1.00.

3-A2. *Measurement of peak discharge by the slope-area method,* by Tate Dalrymple and M. A. Benson: USGS--TWRI Book 3, Chapter A2. 1967. 12 pages. $0.35.

3-A3. *Measurement of peak discharge at culverts by indirect methods,* by G. L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages. $0.40.

3-A4. *Measurement of peak discharge at width contractions by indirect methods,* by H.F. Matthai: USGS--TWRI Book 3, Chapter A4. 1967. 44 pages. $1.00.

3-A5. *Measurement of peak discharge at dams by indirect methods,* by Harry Hulsing: USGS--TWRI Book 3, Chapter A5. 1967. 29 pages. $0.35.

3-A6. *General procedure for gaging streams,* by R. W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6, 1968. 13 pages. $1.00.

3-A7. *Stage measurements at gaging stations,* by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages. $1.40.

3-A8. *Discharge measurements at gaging stations,* by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages. $1.25.

3-A11. *Measurement of discharge by moving-boat method,* G. F. Smoot and C. E. Novak: USGS--TWRI Book 3, Chapter A11. 1969. 22 pages. $1.20.

3-A12. *Fluorometric procedures for dye tracing,* by J. F. Wilson Jr.: USGS--TWRI Book 3, Chapter A12. 1968. 31 pages. $0.35. Not currently available.

3-B1. *Aquifer-test design, observation, and data analysis,* by R. W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages. $0.70.

3-B2. *Introduction to ground-water hydraulics, a programed text for self-instruction,* by G. D. Bennett: USGS--TWRI Book 3, Chapter B2. 1976. 172 pages. $2.50.

3-C1. *Fluvial sediment concepts,* by H. P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages. $2.50.

3-C2. *Field methods for measurement of fluvial sediment,* by H. P. Guy and V. W. Norman: USGS--TWRI Book 3, Chapter C2. 1970. 59 pages. $2.50.

3-C3. *Computation of fluvial-sediment discharge,* by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages. $2.10.

4-A1. *Some statistical tools in hydrology,* by H. C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages. $1.60.

4-A2. *Frequency curves,* by H. C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages. $1.20.

4-B1. *Low-flow investigations,* by H. C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972. 18 pages. $0.65.

4-B2. *Storage analyses for water supply,* by H. C. Riggs and C. H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages. $0.75.

4-B3. *Regional analyses of streamflow characteristics,* by H. C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages. $0.65.

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS--Continued

4-D1. *Computation of rate and volume of stream depletion by wells,* by C. T. Jenkins: USGS--TWRI Book 4, Chapter D1. 1970. 17 pages. $1.10.

5-A1. *Methods for collection and analysis of water samples for dissolved minerals and gases,* by Eugene Brown, M. W. Skougstad, and M. J. Fishman: USGS--TWRI Book 5, Chapter A1. 1970. 160 pages. $2.40.

5-A2. *Determination of minor elements in water by emission spectroscopy,* by P. R. Barnett and E. C. Mallory, Jr.: USGS--TWRI Book 5, Chapter A2. 1971. 31 pages. $0.80.

5-A3. *Methods for analysis of organic substances in water,* by D. F. Goerlitz and Eugene Brown: USGS--TWRI Book 5, Chapter A3. 1972. 40 pages. $0.90.

5-A4.* *Methods for collection and analysis of aquatic biological and microbiological samples,* edited by P. E. Greeson, T. A. Ehlke, G. A. Irwin, B. W. Lium, and K. V. Slack: USGS--TWRI Book 5, Chapter A4. 1977. 332 pages. $20.00.

5-A5.* *Methods for determination of radioactive substances in water and fluvial sediments,* by L. L. Thatcher, V. J. Janzer, and K. W. Edwards: USGS--TWRI Book 5, Chapter A5. 1977. 95 pages. $16.00.

5-C1. *Laboratory theory and methods for sediment analysis,* by H. P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 pages. $2.10.

7-C1. *Finite-difference model for aquifer simulation in two dimensions with results of numerical experiments,* by P. C. Trescott, G. F. Pinder, and S. P. Larson: USGS-TWRI Book 7, Chapter C1. 1976. 116 pages. $2.30.

8-A1. *Methods of measuring water levels in deep wells,* by M. S. Garber and F. C. Koopman: USGS--TWRI Book 8, Chapter A1. 1968. 23 pages. $0.70.

8-B2. *Calibration and maintenance of vertical-axis type current meters,* by G. F. Smoot and C. E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages. $1.10.

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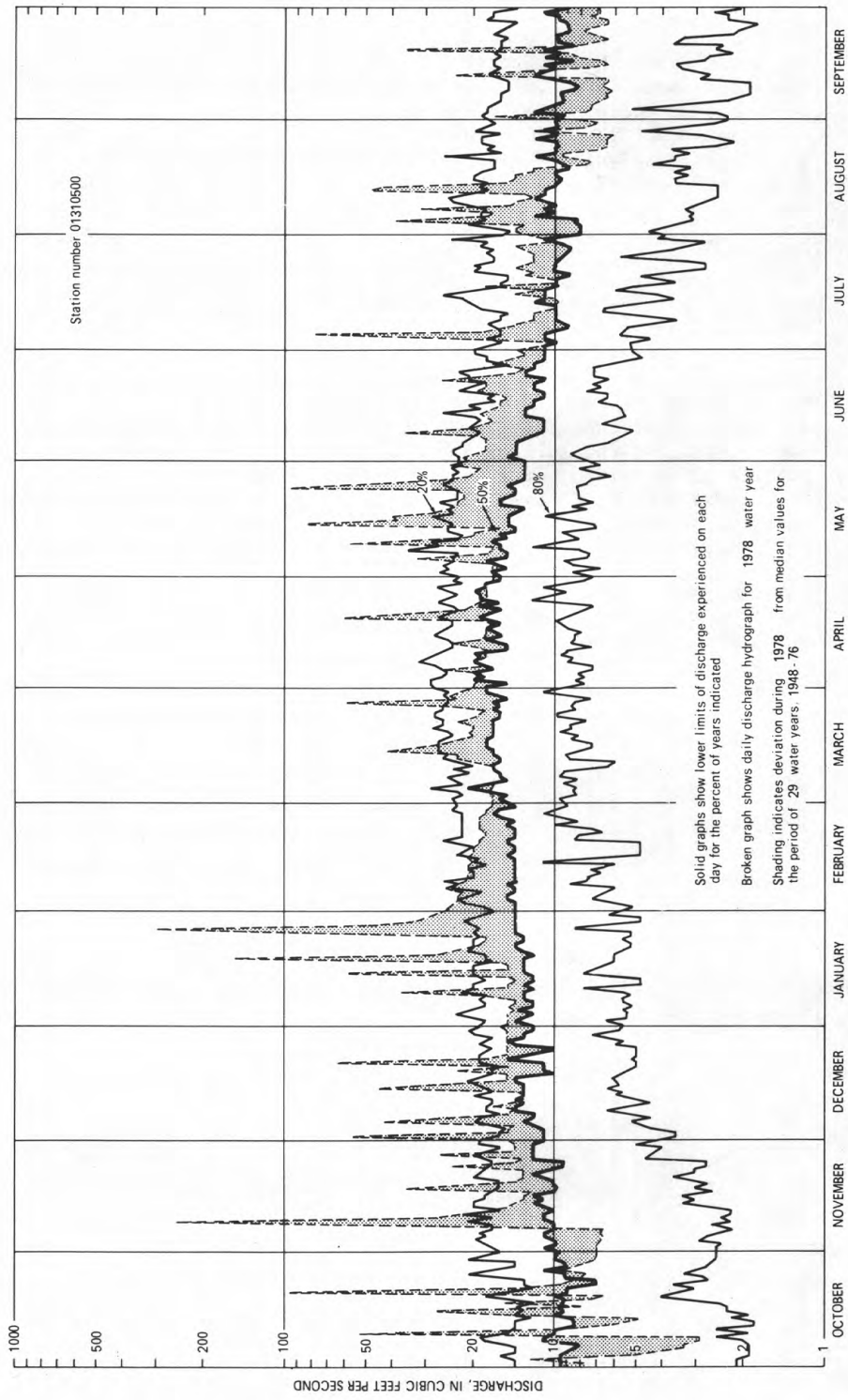

Figure 2.--Hydrographic Comparisons, East Meadow Brook at Freeport.

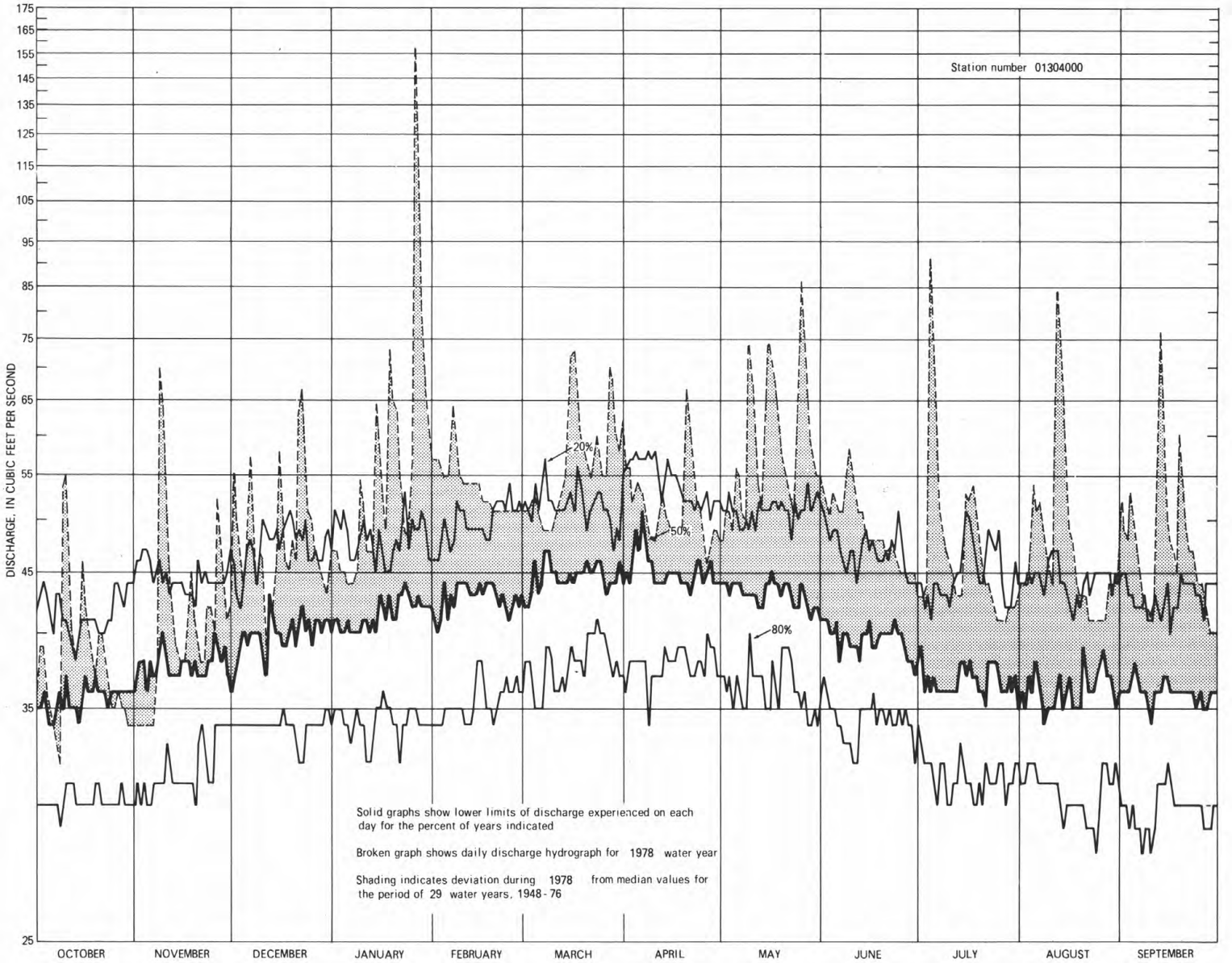

Figure 3.--Hydrographic Comparisons, Nissequogue River near Smithtown.

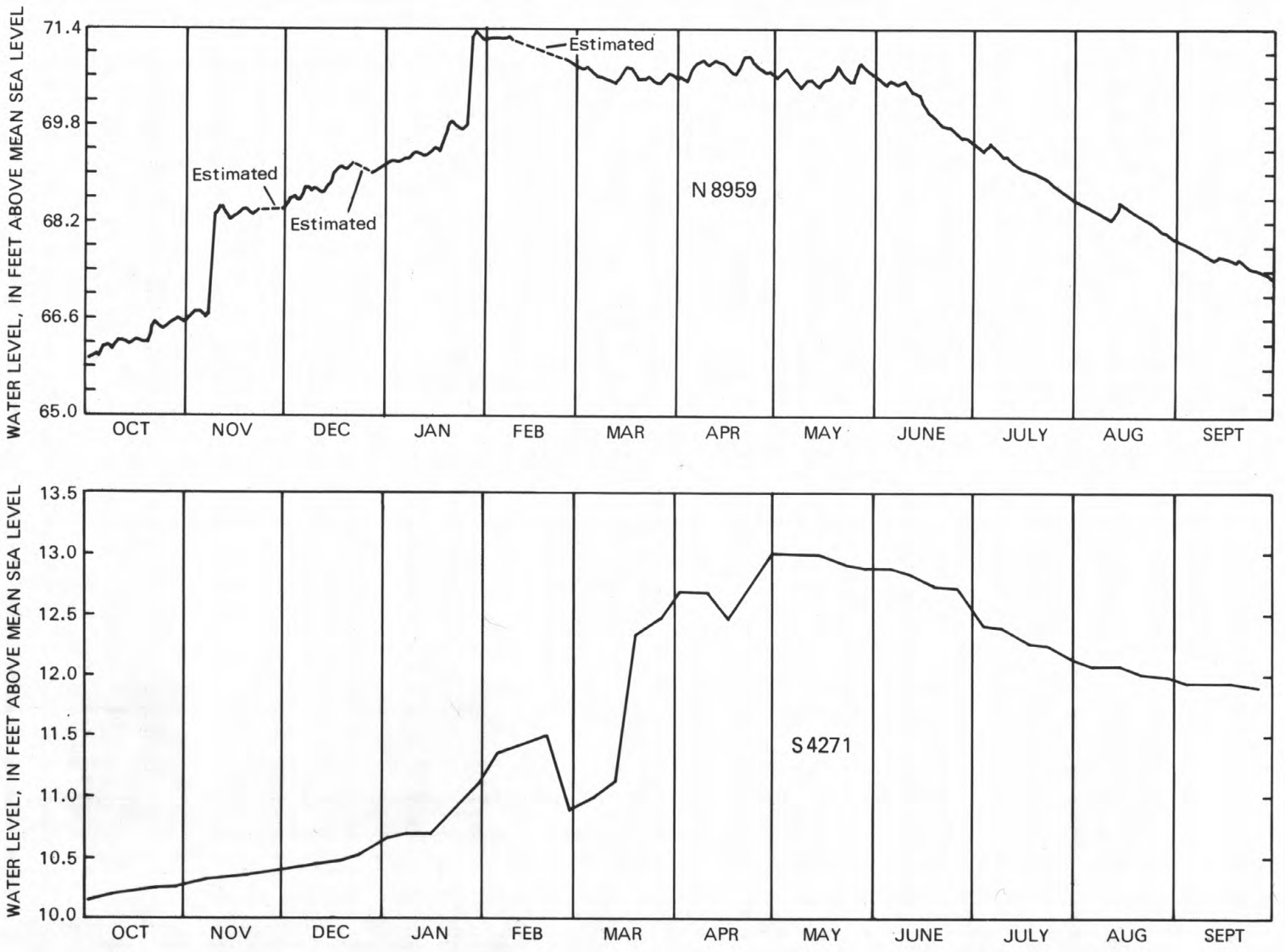

Figure 4.--Hydrographs of water-table well N9859 at East Meadow and water-table well S4271 at Riverhead.

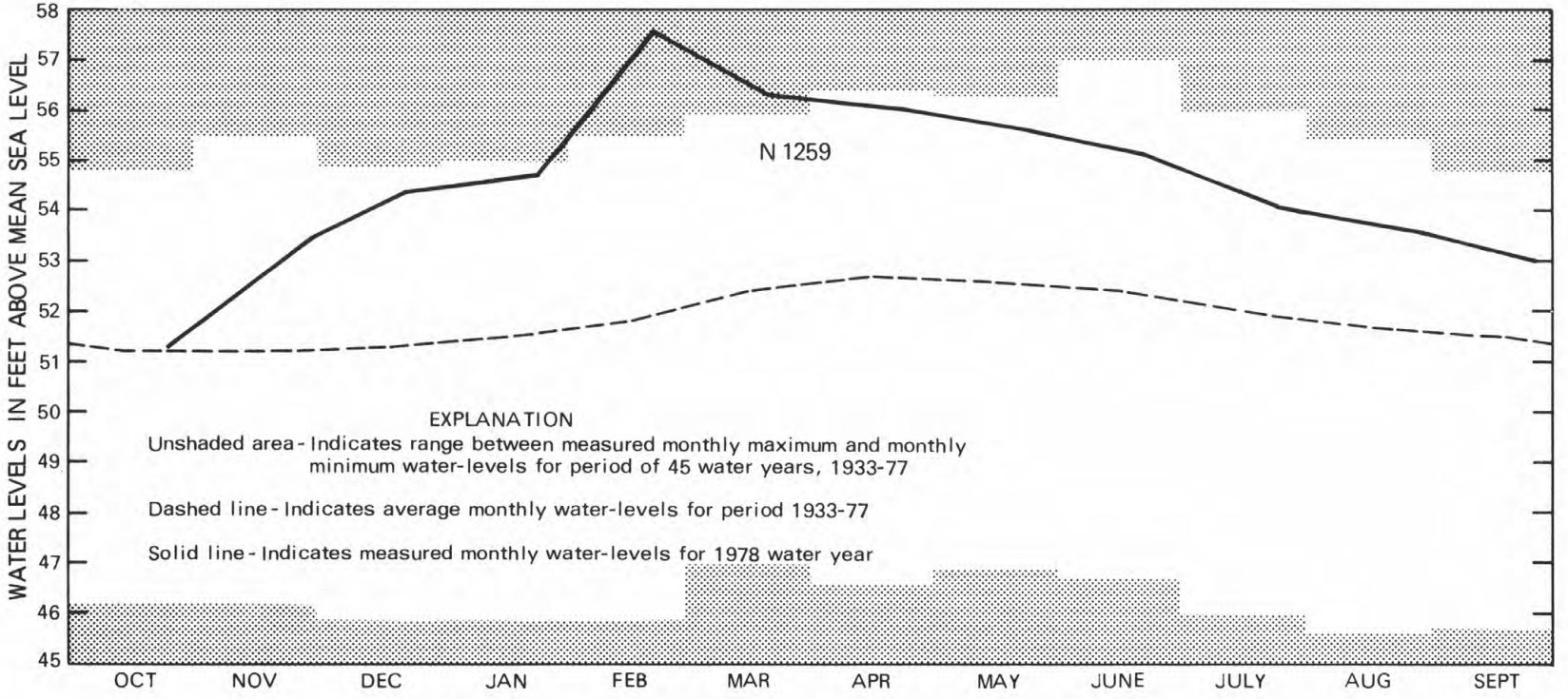

Figure 5.--Hydrograph of water-table observation well N1259 at Plainedge.

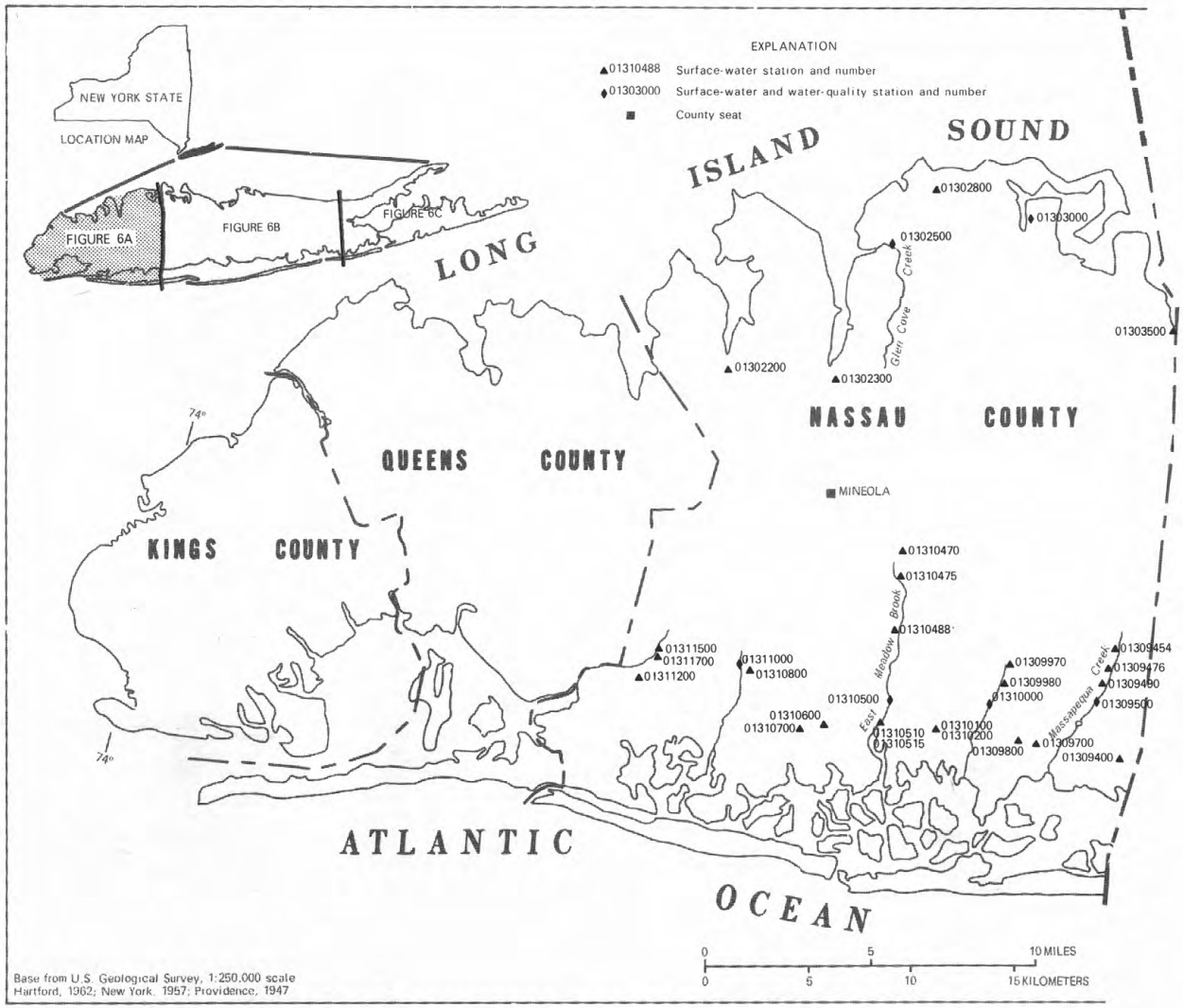

FIGURE 6A.-- LOCATION OF SURFACE-WATER DATA COLLECTION STATIONS

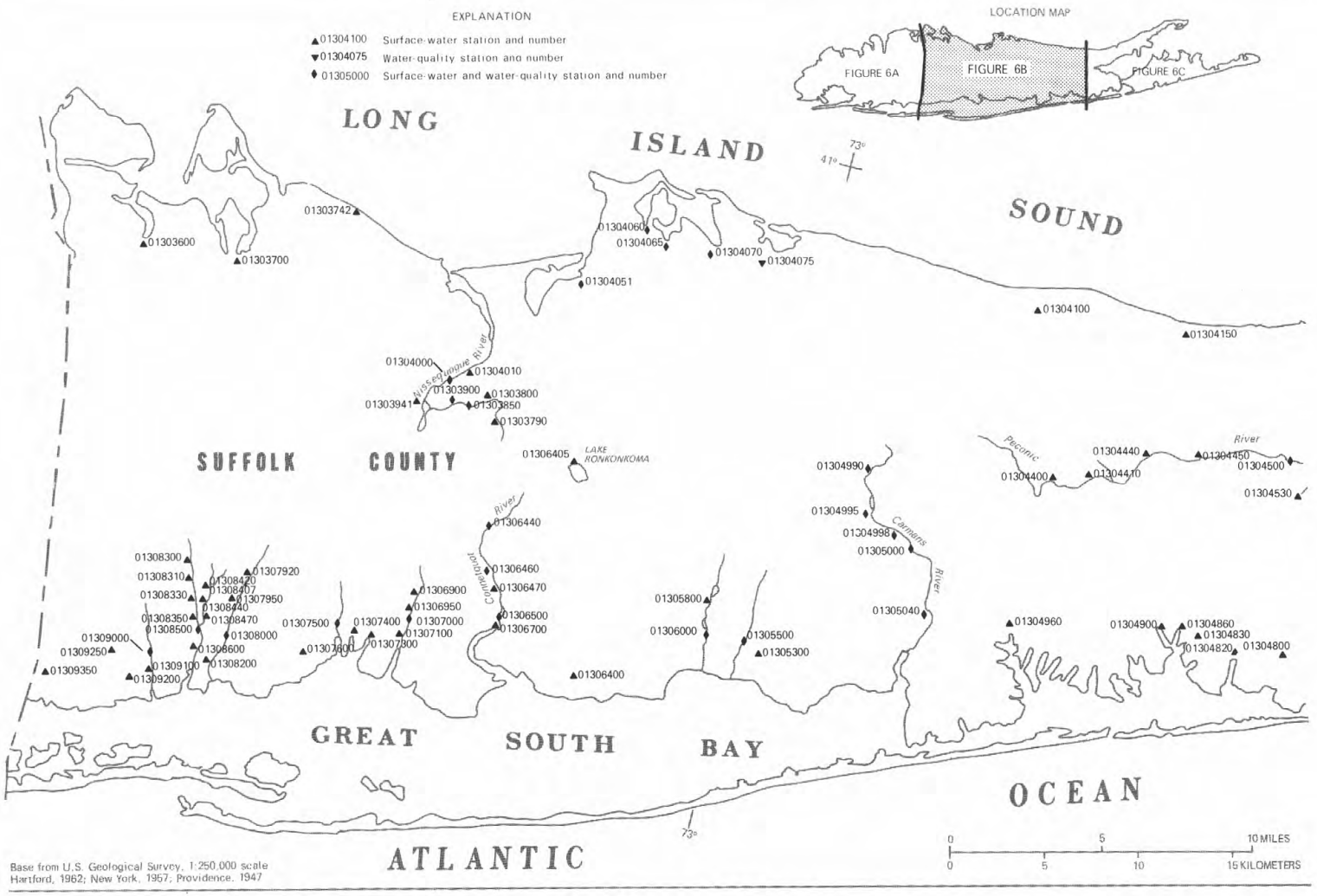

FIGURE 6B.-- LOCATION OF SURFACE-WATER DATA COLLECTION STATIONS

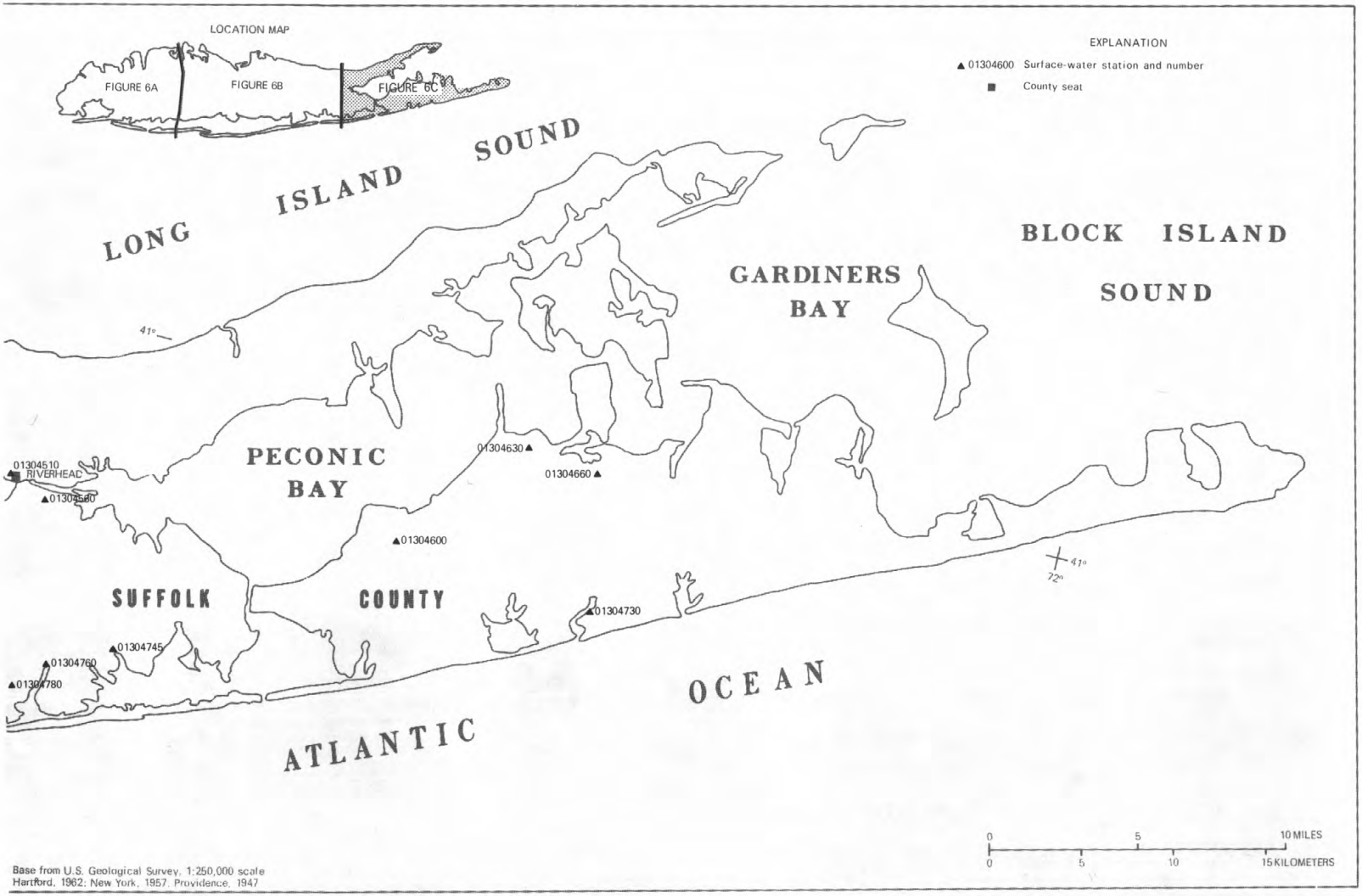

FIGURE 6C.-- LOCATION OF SURFACE-WATER DATA COLLECTION STATIONS

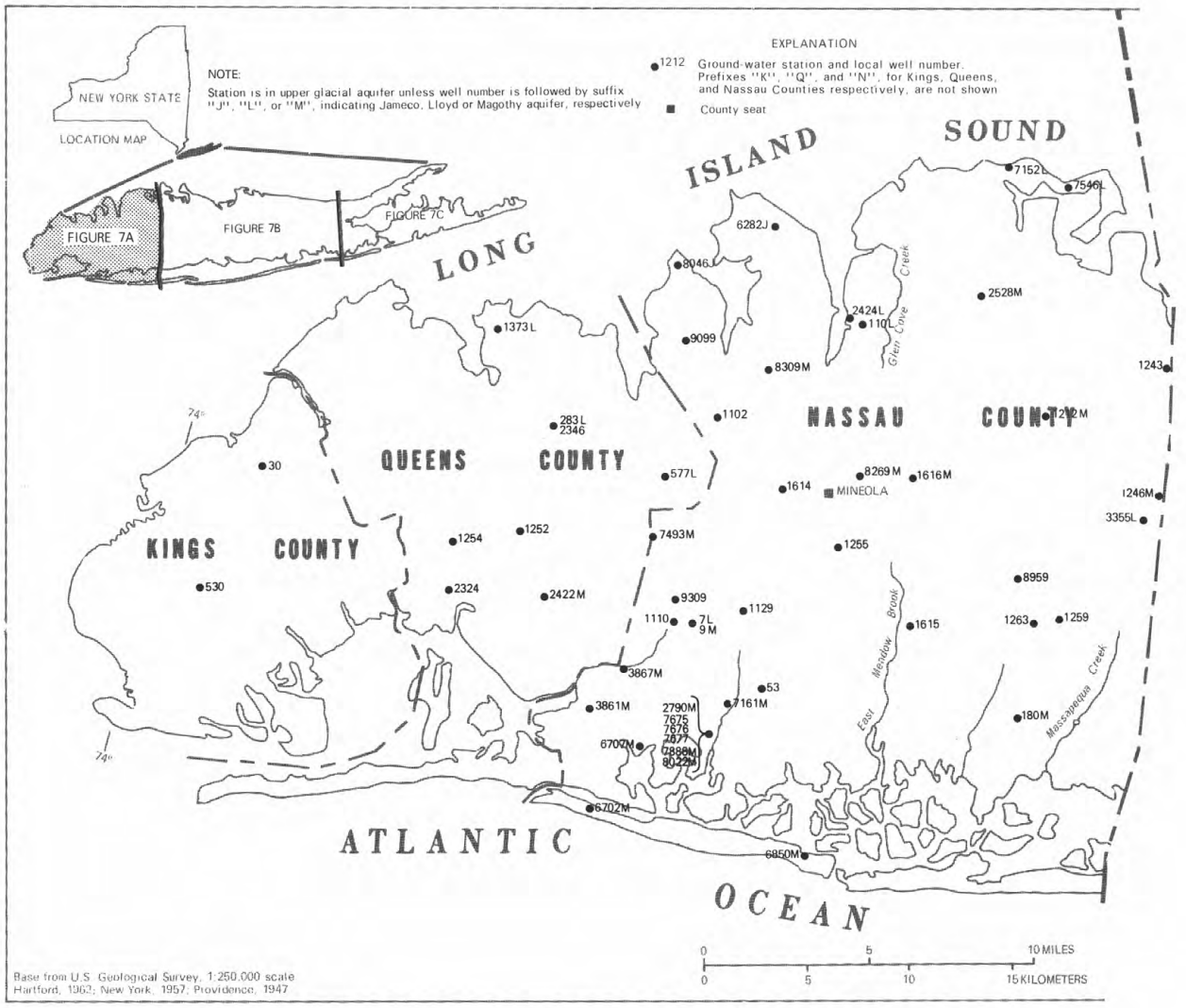

FIGURE 7A.-- LOCATION OF WATER-LEVEL DATA COLLECTION STATIONS

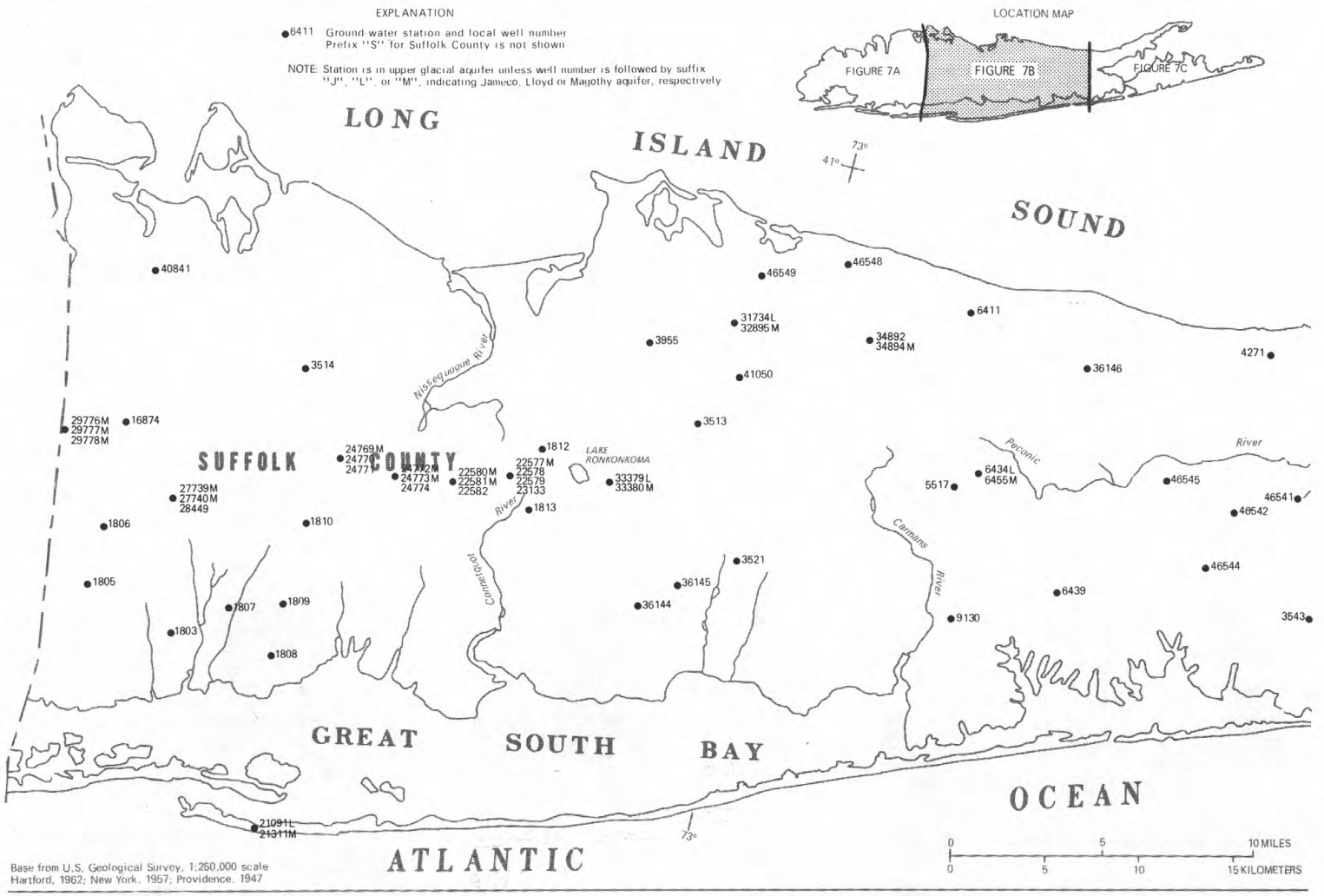

FIGURE 7B.-- LOCATION OF WATER-LEVEL DATA COLLECTION STATIONS

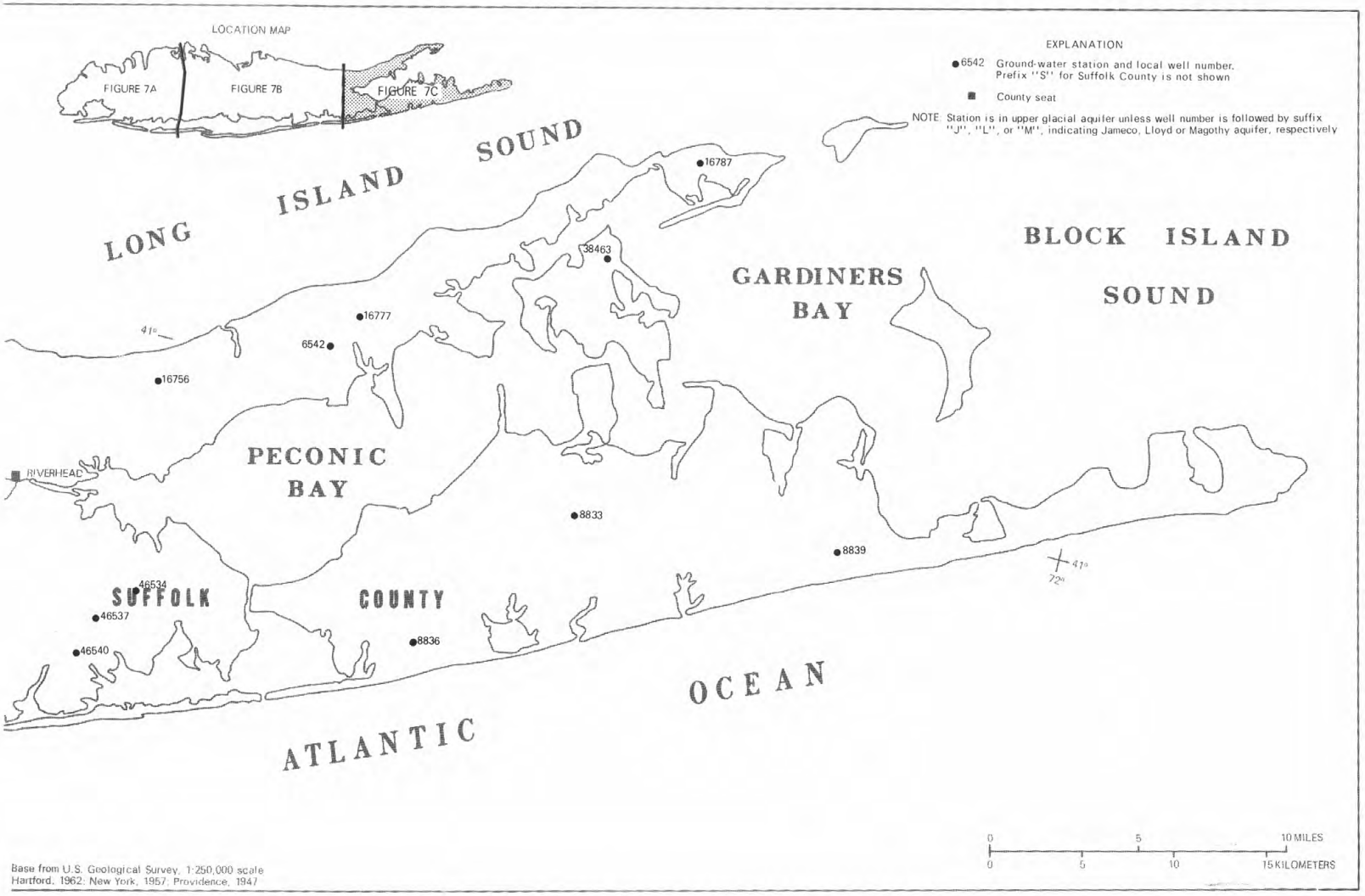

FIGURE 7C.-- LOCATION OF WATER-LEVEL DATA COLLECTION STATIONS

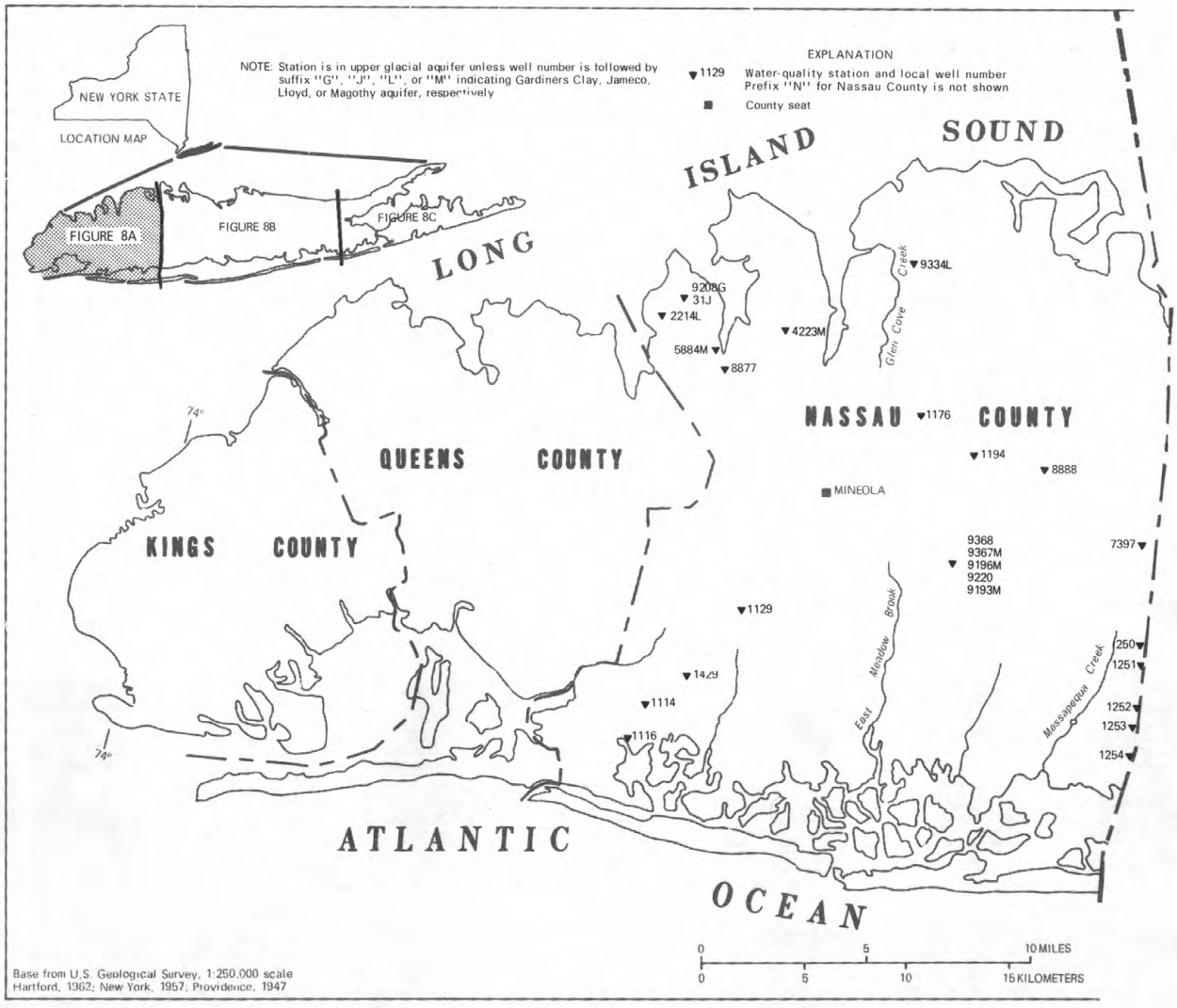

FIGURE 8A.-- LOCATION OF QUALITY OF GROUND-WATER DATA COLLECTION STATIONS

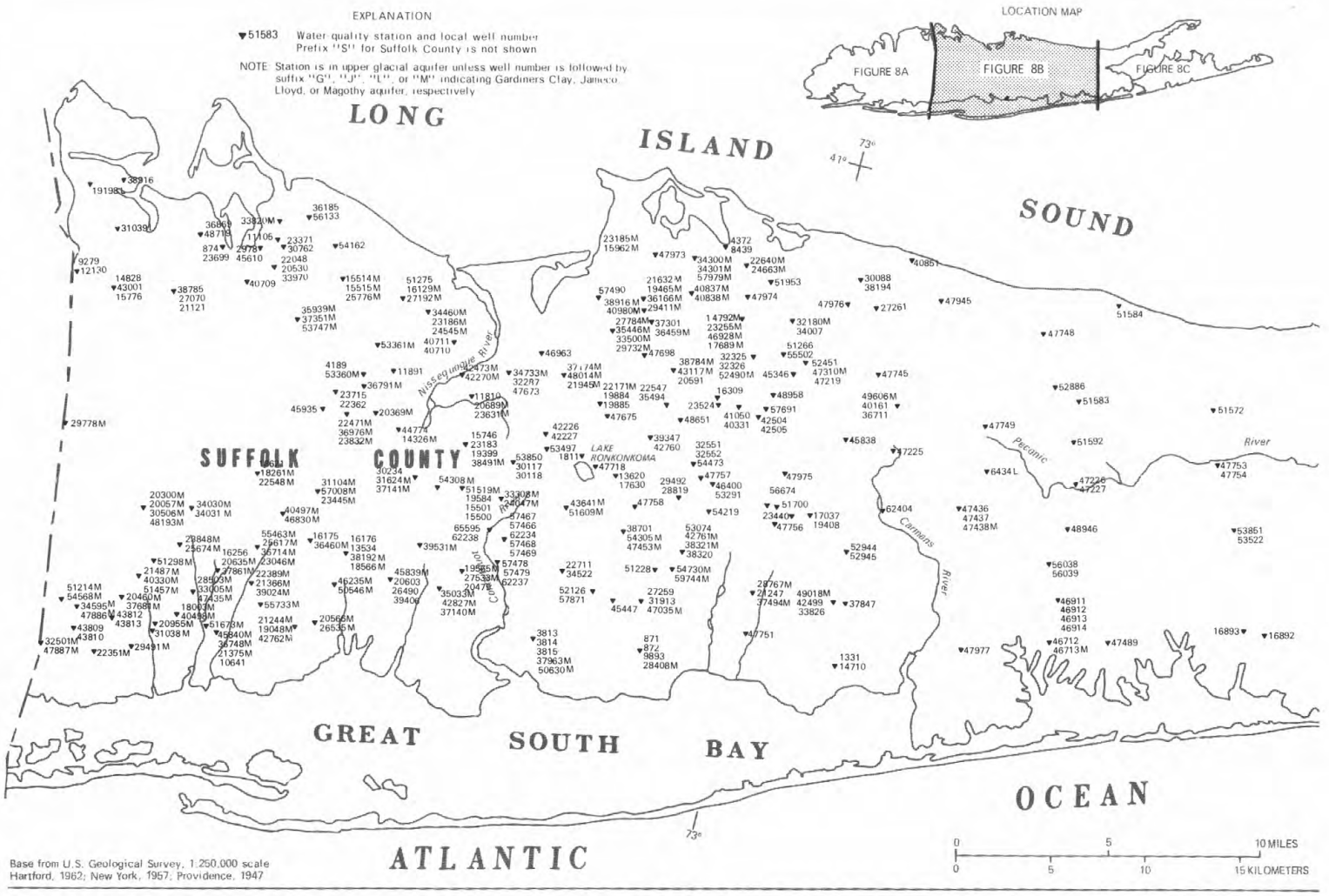

FIGURE 8B.-- LOCATION OF QUALITY OF GROUND-WATER DATA COLLECTION STATIONS

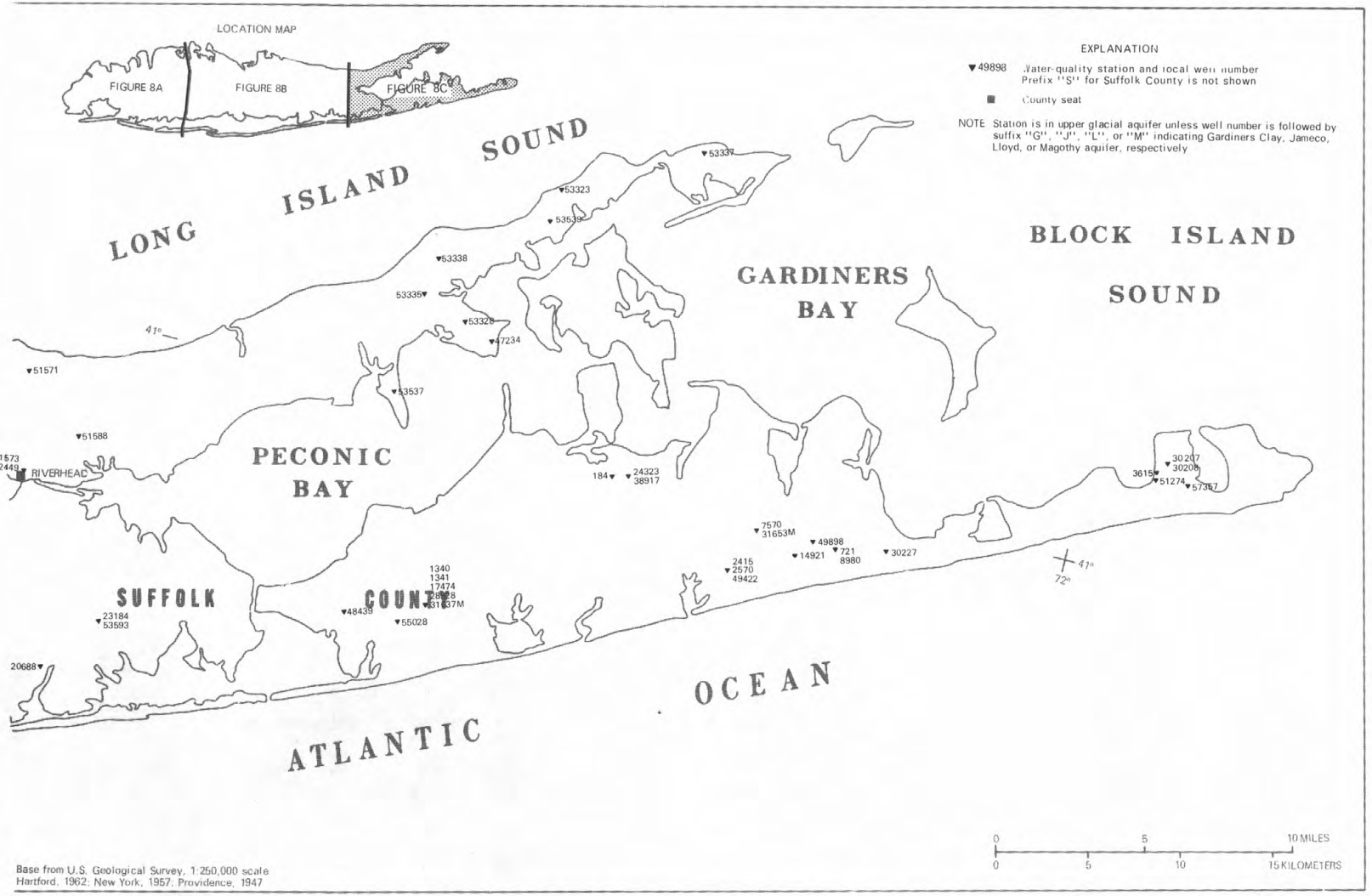

FIGURE 8C.-- LOCATION OF QUALITY OF GROUND-WATER DATA COLLECTION STATIONS

01302500 GLEN COVE CREEK AT GLEN COVE, NY

LOCATION.--Lat 40°51'48", long 73°38'05", Nassau County, Hydrologic Unit 02030201, on right bank just downstream from Glen Cove Road culvert, at 8- x 10-foot concrete culvert in Pratt Park, 1 block west of post office, Glen Cove. Water-quality sampling site at discharge station.

DRAINAGE AREA.--About 11 mi^2 (28 km^2).

WATER-DISCHARGE RECORDS

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

REVISED RECORDS (WATER YEARS).--WSP 971: 1939-42.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 15.68 ft (4.780 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 31, 1977, at datum 0.14 ft (0.044 m) higher. Prior to June 17, 1965, at datum 0.19 ft (0.59 m) higher.

REMARKS.--Records good except those above 300 ft^3/s (8.50 m^3/s), which are fair.

AVERAGE DISCHARGE.--40 years, 6.98 ft^3/s (0.198 m^3/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,860 ft^3/s (52.7 m^3/s) Sept. 12, 1960, gage height, 7.12 ft (2.170 m), from rating curve extended above 220 ft^3/s (6.23 m^3/s); minimum, 2.1 ft^3/s (0.059 m^3/s) Oct. 15, 1967; minimum gage height, 0.52 ft (0.158 m), Oct. 22, 1959, Oct. 15, 1967.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1060 ft^3/s (30.0 m^3/s) Jan. 26, gage height, 5.66 ft (1.725 m); minimum, 4.3 ft^3/s (0.122 m^3/s) Oct. 7, 8, 31, Nov. 3-7, gage height, 0.69 ft (0.210 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.5	4.4	28	5.1	8.8	6.9	6.8	6.5	7.2	5.5	5.7	12
2	6.7	4.4	7.7	5.6	7.6	6.7	6.4	6.7	7.4	5.3	5.7	5.0
3	5.8	4.4	6.4	5.9	7.2	6.7	6.3	6.7	7.8	13	5.7	4.6
4	5.7	4.3	5.6	6.0	6.3	6.5	6.5	7.6	8.6	26	9.9	4.6
5	5.9	4.3	20	5.3	6.3	6.1	7.9	11	7.6	11	6.1	5.0
6	7.3	4.3	12	5.4	6.9	7.2	6.7	6.4	7.4	9.4	31	5.1
7	4.7	16	11	5.4	6.1	7.6	6.9	6.2	7.4	7.2	44	5.3
8	4.4	198	9.2	10	7.2	7.6	6.3	7.6	34	5.5	14	6.3
9	31	22	11	19	6.3	8.0	6.1	26	8.1	5.1	8.6	5.5
10	6.2	19	7.3	6.7	6.3	6.3	6.2	13	7.2	5.3	9.1	5.1
11	5.8	11	5.8	6.0	6.1	7.5	7.4	11	6.5	5.5	8.1	6.1
12	5.6	8.6	5.5	5.8	5.9	8.6	7.4	9.3	6.7	5.5	19	12
13	4.8	8.0	6.0	7.2	8.1	11	6.3	6.9	8.3	5.5	5.9	7.6
14	17	7.6	20	38	9.9	47	6.1	53	7.2	5.5	5.9	7.2
15	20	7.3	13	9.1	6.3	29	6.0	21	7.4	15	5.7	8.1
16	10	7.0	7.1	7.8	6.1	18	5.9	25	7.2	5.9	5.7	9.4
17	10	17	6.3	7.6	6.1	14	6.0	19	6.7	6.9	5.7	7.2
18	7.8	8.8	9.3	79	6.2	10	6.1	16	6.5	5.7	5.5	7.4
19	8.0	7.5	14	16	6.2	11	26	11	8.1	5.7	5.5	14
20	21	7.0	7.6	9.9	6.7	9.5	11	8.0	7.2	5.5	5.1	7.6
21	8.1	6.8	35	8.8	7.4	11	8.1	7.1	14	5.7	5.3	7.2
22	6.9	6.1	14	8.3	6.2	12	7.2	6.7	8.1	5.7	5.5	10
23	6.3	14	12	8.3	6.5	8.7	6.7	6.5	5.9	5.5	5.3	7.4
24	6.5	6.4	9.5	8.8	6.5	8.1	7.5	33	5.7	5.5	5.3	6.5
25	5.5	7.1	9.2	36	6.7	6.9	7.6	17	5.7	5.5	5.5	6.7
26	6.7	18	6.3	341	6.7	12	7.4	8.9	6.1	5.5	5.3	6.9
27	4.8	6.6	5.3	31	6.5	45	7.5	7.2	5.9	5.7	5.3	6.9
28	4.4	6.6	5.1	15	6.8	12	6.9	6.6	5.9	5.7	7.2	6.9
29	4.4	7.2	5.0	12	---	9.1	6.1	6.4	6.1	5.5	5.5	6.7
30	4.4	11	5.6	9.9	---	7.8	6.1	6.8	6.1	5.5	5.3	6.7
31	5.1	---	5.8	8.3	---	7.0	---	7.2	---	6.5	6.9	---
TOTAL	260.3	460.7	325.6	748.2	189.9	374.8	225.4	391.3	244.0	222.3	274.3	217.0
MEAN	8.40	15.4	10.5	24.1	6.78	12.1	7.51	12.6	8.13	7.17	8.85	7.23
MAX	31	198	35	341	9.9	47	26	53	34	26	44	14
MIN	4.4	4.3	5.0	5.1	5.9	6.1	5.9	6.2	5.7	5.1	5.1	4.6

CAL YR 1977 TOTAL 3031.4 MEAN 8.31 MAX 198 MIN 4.2
WTR YR 1978 TOTAL 3933.8 MEAN 10.8 MAX 341 MIN 4.3

01302500 GLEN COVE CREEK AT GLEN COVE, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 1966 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)
DEC 20...	0930	7.2	260	6.9	8.0	10.3	75	39	20	6.2	16
MAR 30...	1015	7.9	260	6.8	10.0	10.2	76	41	20	6.4	19
JUN 29...	0815	5.9	260	7.1	14.5	9.1	77	34	20	6.6	16
SEP 20...	0900	7.6	20	7.0	14.0	9.5	63	31	16	5.5	12

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)
DEC 20...	2.7	45	0	37	27	24	.1	13	131	3.6	--
MAR 30...	2.4	43	0	35	28	31	.0	13	153	3.3	2.6
JUN 29...	2.2	53	0	43	26	27	.1	16	159	4.1	4.3
SEP 20...	2.1	38	0	31	22	18	.1	14	127	3.9	4.0

DATE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO. TOTAL (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
DEC 20...	.01	.01	.28	.60	4.2	.04	.00	1000	130	.10
MAR 30...	.01	.00	.24	.70	4.0	.01	.00	290	110	.00
JUN 29...	.01	.01	.15	--	--	.03	.01	550	110	.00
SEP 20...	.01	.01	.12	.31	4.2	.02	.00	450	80	.10

01303000 MILL NECK CREEK AT MILL NECK, NY

LOCATION.--Lat 40°53'15", Long 73°33'51", Nassau County, Hydrologic Unit 02030201, on right bank at Beaver Lake, 30 ft (9 m) upstream from Feeks Lane (Cleft Road) bridge in Mill Neck, and 1.5 mi (2.4 km) southwest of Bayville. Water-quality sampling site at discharge station.

DRAINAGE AREA.--About 11.5 mi^2 (29.8 km^2).

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1141: Drainage area.

GAGE.--Water-stage recorder and steel sheet-piling control. Datum of gage is 6.49 ft (1.978 m) NGVD. Prior to June 23, 1965 at datum 0.06 ft (0.018 m) higher.

REMARKS.--Records good. Slight regulation by ponds above station.

AVERAGE DISCHARGE.--41 years, 9.13 ft^3/s (0.259 m^3/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 137 ft^3/s (3.88 m^3/s) Sept. 12, 1960, gage height, 1.60 ft (0.488 m) from rating curve extended above 70 ft^3/s (1.98 m^3/s); maximum gage height, 4.85 ft (1.478 m) Sept. 21, 1938 (hurricane wave); minimum discharge, 0.09 ft^3/s (0.003 m^3/s) Dec. 11, 1941 (result of freezeup); minimum gage height, 0.14 ft (0.043 m) Sept. 8, 1939 (result of wind action).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 32 ft^3/s (0.91 m^3/s) and maximum (*):

		Discharge		Gage height				Discharge		Gage height	
Date	Time	(ft^3/s)	(m^3/s)	(ft)	(m)	Date	Time	(ft^3/s)	(m^3/s)	(ft)	(m)
Nov. 8	1130	a*129	3.65	1.55	0.472	Mar. 27	1300	34	0.96	0.76	0.232
Jan. 18	0800	36	1.02	.77	.235	May 14	2300	32	.91	.73	.222
Jan. 26	1030	71	2.01	1.13	.344	Aug. 7	1700	44	1.25	.88	.268
Feb. 7	0130	Tidal effect		*1.92	.585						

a From rating curve extended above 70 ft^3/s (1.98 m^3/s).

Minimum discharge, 6.3 ft^3/s (0.18 m^3/s) Oct. 30, 31, gage height, 0.26 ft (0.079 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.4	6.7	17	8.8	10	10	10	8.8	11	8.4	9.6	13
2	8.0	7.0	13	8.8	10	10	9.2	8.8	10	8.4	9.6	11
3	7.4	7.0	9.6	8.4	9.6	11	9.2	8.8	9.6	9.6	9.2	9.6
4	6.7	7.0	8.4	8.0	9.6	11	10	9.2	10	24	10	8.8
5	6.7	7.0	10	8.0	9.6	10	10	12	10	16	11	8.4
6	7.0	7.0	15	8.0	13	9.6	10	12	9.6	12	17	8.4
7	7.0	10	11	8.4	14	9.2	10	10	9.6	10	30	8.4
8	6.7	71	14	9.6	12	9.2	10	10	18	9.2	26	8.4
9	14	33	11	14	12	9.2	9.6	17	19	8.8	15	8.8
10	13	19	9.2	11	11	9.6	9.6	14	13	8.8	12	8.4
11	8.8	16	7.7	10	10	10	9.6	11	10	8.8	10	8.8
12	7.7	10	7.7	8.8	10	11	11	10	9.6	8.8	18	9.6
13	7.0	8.8	8.0	9.2	10	12	10	9.6	9.6	8.8	15	11
14	12	8.0	10	22	11	16	9.2	17	9.6	8.8	12	9.2
15	20	7.7	16	15	10	22	9.2	24	9.2	13	10	9.2
16	13	7.7	11	10	10	16	9.2	20	9.2	12	10	9.4
17	10	10	9.2	10	10	14	9.6	17	9.2	11	10	9.1
18	8.4	11	9.6	28	10	12	9.6	14	9.6	10	9.6	9.2
19	7.7	9.2	13	18	10	11	14	12	10	9.6	9.6	12
20	11	8.4	11	17	10	12	20	11	10	8.8	9.6	10
21	10	8.4	17	14	10	13	14	10	9.6	8.8	9.2	9.4
22	8.0	8.4	16	11	10	14	11	10	12	8.8	9.2	9.7
23	7.4	11	11	10	10	13	10	8.8	10	8.8	9.2	10
24	7.0	11	9.2	9.6	10	12	9.6	16	9.2	8.4	9.2	9.2
25	7.0	9.2	9.6	14	10	11	9.2	22	9.2	8.0	9.2	8.7
26	7.4	13	8.8	53	10	12	9.2	19	9.2	8.4	9.6	8.4
27	7.7	10	8.0	32	10	25	9.2	15	9.6	8.4	9.6	8.4
28	7.4	8.4	8.0	18	10	19	9.2	13	9.2	9.2	10	8.3
29	7.0	8.0	8.0	13	---	13	9.2	12	8.8	8.8	10	8.3
30	6.7	9.6	8.0	11	---	11	9.2	11	8.4	8.4	10	8.4
31	6.7	---	8.8	10	---	10	---	11	---	9.2	10	---
TOTAL	271.8	368.5	333.8	436.6	291.8	387.8	308.8	404.0	311.0	310.0	368.4	279.5
MEAN	8.77	12.3	10.8	14.1	10.4	12.5	10.3	13.0	10.4	10.0	11.9	9.32
MAX	20	71	17	53	14	25	20	24	19	24	30	13
MIN	6.7	6.7	7.7	8.0	9.6	9.2	9.2	8.8	8.4	8.0	9.2	8.3

CAL YR 1977 TOTAL 3310.5 MEAN 9.07 MAX 71 MIN 5.4
WTR YR 1978 TOTAL 4072.0 MEAN 11.2 MAX 71 MIN 6.7

01303000 MILL NECK CREEK AT MILL NECK, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 1966 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)
DEC											
20...	1030	11	147	6.8	1.0	11.2	41	18	10	3.8	11
MAR											
30...	1115	11	250	6.8	10.0	10.0	46	29	10	5.0	26
JUN											
29...	0700	9.2	187	7.7	29.5	7.9	47	21	11	4.7	15
SEP											
20...	0800	11	154	8.3	16.0	9.4	45	18	11	4.3	10

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)
DEC											
20...	1.5	27	0	22	16	15	.1	9.1	80	--	1.3
MAR											
30...	1.8	20	0	16	19	45	.0	7.7	128	.98	.79
JUN											
29...	1.7	31	0	25	18	25	.1	5.0	97	.13	.14
SEP											
20...	1.4	33	0	27	18	15	.0	6.3	84	.39	.39

DATE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO. TOTAL (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
DEC										
20...	.01	.01	.09	.40	1.5	.02	.00	320	20	.00
MAR										
30...	.01	.00	.01	.80	1.8	.00	.00	440	30	.00
JUN										
29...	.01	.01	.05	1.0	1.1	.07	.02	550	50	.00
SEP										
20...	.02	.01	.13	.72	1.1	.03	.00	320	20	.00

01303500 COLD SPRING BROOK AT COLD SPRING HARBOR, NY

LOCATION.--Lat 40°51'26", long 73°27'50", Nassau County, Hydrologic Unit 02030201, on left bank 270 ft (82 m) upstream from State Highway 25A, at Cold Spring Harbor State Fish Hatchery, and 1.0 mi (1.6 km) southwest of village of Cold Spring Harbor.

DRAINAGE AREA.--About 7.3 mi^2 (19 km^2).

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

GAGE.--Water-stage recorder and concrete control. Datum of gage is 5.38 ft (1.640 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Flow occasionally regulated at outlet of pond 40 ft (12 m) above station. Diversion from this pond by New York State Fish Hatchery bypasses station.

AVERAGE DISCHARGE.--28 years, 2.49 ft^3/s (0.071 m^3/s) (unadjusted).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 296 ft^3/s (8.38 m^3/s) Aug. 12, 1978, gage height, 1.80 ft (0.549 m) (result of regulation), from rating curve extended above 28 ft^3/s (0.79 m^3/s); maximum gage height, 5.34 ft (1.628 m) Aug. 31, 1954 (backwater from high tide), from high-water mark; minimum discharge, 0.20 ft^3/s (0.006 m^3/s) Jan. 24-27, 1967, gage height, 0.07 ft (0.021 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 296 ft^3/s (0.838 m^3/s) Aug. 12, gage height, 1.80 ft (0.549 m) (result of regulation), from rating curve extended above 28 ft^3/s (0.79 m^3/s); maximum gage height, 4.06 ft (1.237 m) Feb. 6, (backwater from high tide); minimum discharge 1.1 ft^3/s (0.031 m^3/s) Oct. 26, gage height, 0.17 ft (0.052 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.9	1.7	4.2	2.3	2.6	2.7	2.7	3.4	3.4	4.4	3.7	3.7
2	2.1	1.7	3.6	2.4	2.5	2.7	2.5	4.4	3.3	4.4	3.7	3.4
3	3.0	1.7	2.7	2.3	2.5	2.7	2.3	3.9	3.2	4.2	3.7	3.0
4	2.3	2.1	2.2	2.1	2.4	2.7	2.5	3.2	3.4	6.2	3.4	3.0
5	2.1	2.1	2.7	2.1	2.3	2.3	2.7	2.1	3.2	5.6	3.7	3.0
6	1.9	1.9	3.8	2.1	3.0	2.3	2.5	2.3	3.2	4.4	3.7	2.7
7	1.7	2.5	2.9	2.1	2.5	2.3	2.5	2.3	3.2	3.9	3.9	2.7
8	1.6	17	2.4	2.3	2.5	2.3	2.5	2.1	3.5	3.9	3.7	3.0
9	2.1	8.4	2.5	4.2	2.5	2.3	2.3	2.7	3.9	3.7	3.7	3.0
10	3.2	3.7	2.3	3.1	2.5	2.5	2.3	3.4	3.9	3.7	3.9	2.5
11	2.5	2.7	2.1	2.2	2.3	2.7	2.5	3.2	3.7	3.9	3.9	2.5
12	2.3	2.5	2.1	2.3	2.3	2.7	3.0	3.0	3.7	3.7	71	2.5
13	2.1	2.3	2.5	2.3	2.3	2.5	2.7	3.2	3.8	3.7	11	2.7
14	2.3	1.9	3.0	4.2	2.5	3.4	2.7	6.2	3.9	3.4	5.6	2.7
15	3.7	1.9	4.4	4.2	2.5	9.6	2.5	6.6	3.9	3.4	4.7	2.7
16	3.2	1.6	3.2	4.2	2.5	4.7	2.5	5.3	3.8	3.4	4.4	2.7
17	2.5	1.9	2.5	4.1	2.5	3.7	2.5	4.7	3.9	3.7	3.9	3.0
18	2.1	2.5	2.6	6.9	2.5	3.0	2.5	3.9	3.8	3.7	4.2	3.0
19	2.1	2.3	3.0	5.3	2.6	2.7	3.7	3.7	3.9	3.4	3.9	3.2
20	2.5	2.1	2.5	5.6	2.6	2.7	6.2	3.4	4.2	3.2	3.9	3.2
21	2.7	2.3	3.9	3.7	2.5	2.7	3.7	3.0	3.9	3.2	4.2	3.2
22	2.3	1.9	4.8	2.7	2.4	3.0	3.2	3.0	4.2	3.4	3.2	3.2
23	2.1	2.3	3.3	2.4	2.4	2.7	2.7	2.7	4.2	3.4	2.7	3.4
24	1.7	2.3	2.6	2.3	2.5	2.5	2.5	4.9	4.4	3.7	2.7	3.2
25	1.6	1.9	2.5	2.9	2.5	2.5	2.7	8.0	4.4	3.4	2.7	3.2
26	1.4	3.2	2.3	44	2.5	2.7	2.5	5.3	4.2	3.2	2.7	3.7
27	1.9	2.5	2.2	9.0	2.4	4.7	2.5	4.1	4.4	2.7	2.7	3.7
28	1.7	2.1	2.1	4.8	2.5	4.4	2.5	3.9	4.4	2.7	2.7	3.9
29	1.7	1.7	2.1	3.8	---	3.2	2.5	3.7	4.4	3.2	3.0	3.7
30	1.7	2.1	2.1	3.2	---	2.7	2.5	3.5	4.4	3.4	3.0	3.2
31	1.9	---	2.3	2.7	---	2.7	---	3.4	---	3.7	3.2	---
TOTAL	67.9	86.8	87.4	147.8	69.6	96.3	82.9	118.5	115.7	115.9	186.4	92.6
MEAN	2.19	2.89	2.82	4.77	2.49	3.11	2.76	3.82	3.86	3.74	6.01	3.09
MAX	3.7	17	4.8	44	3.0	9.6	6.2	8.0	4.4	6.2	71	3.9
MIN	1.4	1.6	2.1	2.1	2.3	2.3	2.3	2.1	3.2	2.7	2.7	2.5
≠	2.68	2.13	2.09	1.74	1.36	1.25	1.12	1.42	1.05	1.30	1.30	1.60

CAL YR 1977 TOTAL 944.34 MEAN 2.59 ≠2.44 MAX 17 MIN .65
WTR YR 1978 TOTAL 1267.80 MEAN 3.47 ≠1.59 MAX 71 MIN 1.4

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

01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN, NY
(National stream-quality accounting network station)

LOCATION.--Lat 40°50'58", long 73°13'29", Suffolk County, Hydrologic Unit 02030201, on left bank 0.5 mi (0.8 km) downstream from Blydenburgh Pond, 1.0 mi (1.6 km) southwest of Smithtown, and 1.5 mi (2.4 km) southwest of village of Smithtown Branch. Water-quality sampling site at discharge station.

DRAINAGE AREA.--About 27 mi^2 (70 km^2).

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1141: Drainage area.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 9.59 ft (2.923 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Occasional regulation caused by cleaning of fish screens and trash racks at outlets of Blydenburgh Pond on main stream and ponds on tributaries above station.

AVERAGE DISCHARGE.--35 years, 41.1 ft^3/s (1.164 m^3/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 324 ft^3/s (9.18 m^3/s) Oct. 15, 1955, gage height, 1.96 ft (0.597 m), from rating curve extended above 180 ft^3/s (5.10 m^3/s); minimum discharge, 16 ft^3/s (0.45 m^3/s) June 5, 6, 1967; minimum gage height, 0.46 ft (0.140 m) Feb. 9, 1951; minimum daily, 19 ft^3/s (0.54 m^3/s) June 6, 1967.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 179 ft^3/s (5.07 m^3/s) Jan. 26, gage height, 1.40 ft (0.427 m); minimum, 20 ft^3/s (0.57 m^3/s) Dec. 11, gage height, 0.50 ft (0.152 m) (result of freezeup).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	34	55	47	57	51	56	48	53	43	44	52
2	39	34	50	47	57	51	56	51	52	43	44	49
3	39	34	47	45	56	52	52	51	51	44	44	48
4	36	34	44	45	55	53	53	49	53	91	48	53
5	35	34	46	44	55	51	54	56	52	72	54	49
6	34	34	58	44	60	50	53	55	51	59	51	47
7	33	37	50	44	64	49	51	51	51	51	52	44
8	32	70	45	45	58	49	49	50	54	49	49	42
9	53	64	47	54	55	49	48	74	58	47	47	42
10	55	52	46	52	54	50	48	68	55	46	45	41
11	45	45	39	47	54	51	50	60	52	45	44	43
12	40	41	43	47	54	53	53	54	51	43	84	54
13	38	39	41	47	54	54	52	52	51	43	79	76
14	40	38	46	65	54	59	50	61	49	43	64	60
15	46	38	58	60	54	72	49	74	48	53	56	51
16	42	38	51	52	52	73	49	72	48	52	49	48
17	40	42	46	49	52	68	49	69	48	54	48	47
18	38	45	45	73	52	61	49	62	48	51	44	45
19	37	41	48	65	51	58	57	58	48	48	43	60
20	40	39	46	64	51	57	67	56	47	46	43	54
21	40	38	62	57	51	55	61	54	47	44	43	49
22	38	38	67	52	51	58	56	52	48	44	41	47
23	36	42	57	49	51	60	52	51	47	43	41	47
24	35	42	51	48	51	57	51	65	46	42	41	45
25	35	40	50	57	51	55	48	87	45	41	41	44
26	36	52	47	162	51	55	46	76	45	41	41	44
27	35	46	46	121	51	70	47	65	45	41	41	42
28	35	43	45	82	51	68	49	60	45	42	44	41
29	34	41	44	68	---	61	49	57	45	42	44	40
30	34	42	43	61	---	58	48	55	43	42	44	40
31	34	---	47	57	---	62	---	55	---	43	45	---
TOTAL	1190	1257	1510	1850	1507	1770	1552	1848	1476	1488	1498	1444
MEAN	38.4	41.9	48.7	59.7	53.8	57.1	51.7	59.6	49.2	48.0	48.3	48.1
MAX	55	70	67	162	64	73	67	87	58	91	84	76
MIN	32	34	39	44	51	49	46	48	43	41	41	40

CAL YR 1977 TOTAL 14514 MEAN 39.8 MAX 71 MIN 29
WTR YR 1978 TOTAL 18390 MEAN 50.4 MAX 162 MIN 32

01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1967 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: January to September 1978.

REMARKS.--Complete water-quality samples were collected approximately once a month. Water temperature measurements were made daily by a local observer. No water temperature record Jan. 19-20, Feb. 7-14, May 19-July 31. Unpublished records of specific conductance and water temperatures are available in files of the Long Island Sub-district office.

COOPERATION.--Some water-quality analyses for this station were collected and analyzed by Suffolk County Department of Environmental Control. They are identified in the table by an asterisk (*).

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURES: Maximum daily, 22.0°C, June 29, Aug. 16-19, 1978; minimum daily, 1.5°C Jan. 10, 1978.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURES: Maximum daily, 22.0°C, June 29, Aug. 16-19; minimum daily, 1.5°C Jan. 10.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH (UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)
OCT											
05...	1100	35	6.4	10.0	--	9.6	--	--	--	--	4.5
DEC											
27*..	--	--	7.0	3.0	--	11.5	--	--	--	--	5.1
JAN											
31...	1015	57	6.9	4.0	3	11.4	22	20	24	14	--
MAR											
21...	1000	55	--	7.0	5	10.8	30	31	23	8	--
30*..	--	--	6.8	12.0	--	12.2	--	--	--	--	5.5
MAY											
02...	0900	48	--	11.0	2	10.5	K18	K11	26	10	--
JUN											
06...	0745	51	6.3	17.0	2	8.3	32	243	26	8	--
27...	0745	45	6.5	19.0	--	8.3	49	1650	25	5	--
29*..	--	--	6.4	22.0	--	6.0	--	--	--	--	5.9
JUL											
25...	1015	41	6.5	21.0	--	8.2	45	1070	23	5	--
AUG											
15...	1100	57	6.3	21.0	--	7.5	49	--	24	11	--
SEP											
05...	1200	48	6.4	18.0	--	6.6	65	633	24	10	--

/ The letter "K" printed before the value indicates the reading was based on a non-ideal colony count.

01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN, NY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	CALCIUM, DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)
OCT											
05...	--	2.0	--	9.2	1.2	--	--	13	6.1	16	<.5
DEC											
27...	--	2.2	--	12	1.2	--	--	18	6.9	18	<.0
JAN											
31...	6.3	--	2.1	20	1.2	13	0	11	9.6	30	.0
MAR											
21...	5.7	--	2.1	15	1.5	18	0	15	9.4	23	.0
30...	--	2.2	--	15	1.1	--	--	12	5.9	23	<.5
MAY											
02...	6.6	--	2.3	12	1.2	20	--	16	10	18	.0
JUN											
06...	7.1	--	2.1	12	1.4	23	0	19	9.2	17	.0
27...	6.2	--	2.2	11	1.1	--	--	20	9.1	16	.0
29...	--	2.9	--	10	.9	--	--	13	5.2	17	<.5
JUL											
25...	5.6	--	2.2	11	1.1	--	--	18	7.9	15	.0
AUG											
15...	5.9	--	2.2	10	1.2	--	--	13	8.9	15	.1
SEP											
05...	5.9	--	2.2	10	1.1	--	--	14	7.9	14	.0

DATE	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO. TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)
OCT											
05...	--	--	--	--	.19	.21	.40	--	.00	.00	--
DEC											
27...	--	--	--	--	.21	.29	.50	--	.01	.00	--
JAN											
31...	7.9	98	84	1.5	.21	.22	.43	1.9	.02	--	1
MAR											
21...	7.6	86	73	1.5	.16	.25	.41	1.9	.01	--	--
30...	--	--	--	--	.17	.13	.30	--	.02	.00	--
MAY											
02...	5.9	74	66	1.2	.01	.23	.24	1.4	.00	--	--
JUN											
06...	7.4	72	68	1.3	.07	.34	.41	1.7	.01	--	--
27...	6.6	77	64	1.2	.03	.22	.25	1.5	.01	--	0
29...	--	--	--	--	.20	--	.10	--	.01	.00	--
JUL											
25...	4.2	80	58	1.1	.04	.50	.54	1.6	.01	--	--
AUG											
15...	7.2	77	58	1.0	.04	.28	.32	1.3	.01	--	--
SEP											
05...	6.7	84	56	1.2	.02	.33	.35	1.6	.01	--	1

01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN, NY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	ARSENIC DIS-SOLVED (UG/L AS AS)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)
OCT											
05...	--	--	--	--	--	--	--	--	--	100	100
DEC											
27...	--	--	--	--	--	--	--	--	--	200	100
JAN											
31...	0	1	1	10	6	0	0	7	0	330	130
MAR											
21...	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	250	200
MAY											
02...	--	--	--	--	--	--	--	--	--	--	--
JUN											
06...	--	--	--	--	--	--	--	--	--	--	--
27...	0	6	3	<10	0	0	0	3	2	290	150
29...	--	--	--	--	--	--	--	--	--	400	300
JUL											
25...	--	--	--	--	--	--	--	--	--	--	--
AUG											
15...	--	--	--	--	--	--	--	--	--	--	--
SEP											
05...	1	1	1	10	0	1	0	4	1	120	80

DATE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT											
05...	--	--	40	--	--	--	--	--	--	--	9.0
DEC											
27...	--	--	80	--	--	--	--	--	--	--	--
JAN											
31...	39	6	180	170	<.5	<.5	0	0	20	10	--
MAR											
21...	--	--	--	--	--	--	--	--	--	--	2.4
30...	--	--	60	--	--	--	--	--	--	--	5.0
MAY											
02...	--	--	--	--	--	--	--	--	--	--	--
JUN											
06...	--	--	--	--	--	--	--	--	--	--	12
27...	34	9	90	70	<.5	<.5	0	0	10	10	--
29...	--	--	60	--	--	--	--	--	--	--	5.0
JUL											
25...	--	--	--	--	--	--	--	--	--	--	3.5
AUG											
15...	--	--	--	--	--	--	--	--	--	--	3.6
SEP											
05...	17	10	40	20	<.5	<.5	0	0	20	10	--

01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN, NY--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				4.5	4.5	5.0	12.0	12.5			20.0	20.0
2				4.0	5.0	3.5	12.0	13.0			20.0	20.0
3				4.0	5.0	3.5	9.0	13.5			20.0	20.5
4				4.0	4.0	3.5	10.0	13.0			20.0	20.0
5				4.0	3.5	3.5	10.0	11.0			20.5	19.5
6				4.5	3.5	4.0	11.0	12.0			20.5	19.5
7				4.5	---	4.5	11.0	12.5			20.5	19.5
8				4.5	---	5.0	10.0	14.0			20.0	19.0
9				4.5	---	5.5	10.0	13.5			21.0	19.0
10				1.5	---	5.0	11.5	14.0			21.5	18.0
11				2.0	---	6.0	10.0	15.5			21.0	18.5
12				2.5	---	6.0	10.0	15.0			21.0	18.5
13				3.0	---	6.0	12.5	15.0			21.0	18.0
14				3.0	---	6.0	11.0	13.0			21.0	18.0
15				3.0	3.0	6.0	11.0	12.5			21.5	18.0
16				3.5	3.0	4.5	8.0	12.0			22.0	17.5
17				4.0	3.5	5.0	11.0	13.0			22.0	17.5
18				3.0	3.0	5.0	12.0	13.5			22.0	17.0
19				---	5.0	6.0	10.0	---			22.0	16.0
20				---	4.5	6.0	11.0	---			21.5	16.5
21				4.0	5.0	7.0	10.5	---			21.5	16.5
22				3.5	4.5	7.5	11.5	---			21.5	16.0
23				3.0	4.5	8.5	8.0	---			21.0	15.5
24				3.0	4.5	8.0	12.0	---			21.0	15.0
25				5.0	4.5	8.0	13.5	---			21.0	15.0
26				4.0	5.0	7.0	13.5	---			21.0	14.5
27				2.5	4.5	8.0	11.0	---			21.0	14.5
28				3.0	5.0	9.0	12.5	---			21.0	14.5
29				3.5	---	10.0	13.0	---			21.0	14.0
30				3.5	---	10.0	12.5	---			20.5	14.0
31				4.0	---	10.5	---	---			20.5	---
MEAN				3.5	4.5	6.0	11.0	13.5			21.0	17.5

WTR YR 1978 MEAN 11.0 MAX 22.0 MIN 1.5

SUSPENDED SEDIMENT DISCHARGE

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)
MAR , 1978				
21...	1000	55	2	.30
MAY				
02...	0900	48	3	.39
JUN				
06...	0745	51	3	.41
27...	0745	45	2	.24
AUG				
15...	1100	57	40	6.2
SEP				
05...	1200	48	3	.39

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

PHYTOPLANKTON

DATE	MAR 21,78		MAY 2,78		JUN 6,78		JUN 27,78	
TIME	1000		0900		0745		0745	
TOTAL CELLS/ML	290		80		120		15	
DIVERSITY: DIVISION	0.3		0.0		0.0		0.0	
. CLASS	0.5		0.0		0.0		0.0	
. . ORDER	0.5		0.0		0.0		0.0	
. . . FAMILY	0.5		0.0		0.0		0.0	
. . . . GENUS	0.5		0.0		0.0		0.0	
ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CHLOROPHYTA (GREEN ALGAE)								
. CHLOROPHYCEAE								
. . CHLOROCOCCALES								
. . . SCENEDESMACEAE								
. . . . CRUCIGENIA	--	-	--	-	120#	100	--	-
CHRYSOPHYTA								
. BACILLARIOPHYCEAE								
. . PENNALES								
. . . FRAGILARIACEAE								
. . . . SYNEDRA	--	-	80#	100	--	-	--	-
. . . GOMPHONEMATACEAE								
. . . . GOMPHONEMA	14	5	--	-	--	-	--	-
. . . NAVICULACEAE								
. . . . NAVICULA	--	-	--	-	--	-	15#	100
. CHRYSOPHYCEAE								
. . CHRYSOMONADALES								
. . . SYNURACEAE								
. . . . SYNURA	260#	90	--	-	--	-	--	-
EUGLENOPHYTA (EUGLENOIDS)								
. EUGLENOPHYCEAE								
. . EUGLENALES								
. . . EUGLENACEAE								
. . . . TRACHELOMONAS	14	5	--	-	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

PERIPHYTON

Date	Length of exposure (days)	Biomass (g/m^2) Dry weight	Biomass (g/m^2) Ash weight	Chlorophyll a (mg/m^2)	Chlorophyll b (mg/m^2)	Biomass pigment ratio	Sampling method
Jan. 31 to Mar. 9	38	14.8	5.59	21.8	.000	422	Polyethylene strip
May 2 to June 6	35	2.20	.866	2.05	.680	650	Polyethylene strip
June 27 to July 25	29	1.73	.315	9.76	3.12	145	Polyethylene strip
Sept. 5 to Oct. 5	30	7.24	4.49	17.8	2.06	154	Polyethylene strip

01304500 PECONIC RIVER AT RIVERHEAD, NY

(National Stream-Quality Accounting Network Station)

LOCATION.--40°54'49", long 72°41'14", Suffolk County, Hydrologic Unit 02030202, on right bank 200 ft (61 m) downstream from Long Island Lighting Co. dam, 0.4 mi (0.6 km) west of Riverhead, and 1.2 mi (1.9 km) upstream from outlet of Sweezy Pond. Water-quality sampling site at discharge station.

DRAINAGE AREA.--About 75 mi^2 (194 km^2).

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder and concrete control. Datum of gage is 6.54 ft (1.993 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Flow regulated by ponds above station.

AVERAGE DISCHARGE.--36 years, 35.9 ft^3/s (1.017 m^3/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 225 ft^3/s (6.37 m^3/s) Jan. 30, 1978, gage height, 1.20 ft (0.366 m) (result of regulation); minimum, 1.4 ft^3/s (0.040 m^3/s) Jan. 9, 1966, Jan. 31, 1967, Dec. 6, 1969, Jan. 27, 1972, Dec. 10, 11, 1977; minimum gage height, 0.10 ft (0.030 m) Jan. 31, 1967 (result of freezeup), Dec. 6, 1969, Jan. 27, 1972 (result of freezeup); minimum daily, 3.7 ft^3/s (0.10 m^3/s) Aug. 2, 1944.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 225 ft^3/s (6.37 m^3/s) Jan. 30; gage height, 1.20 ft (0.366 m) (result of regulation); minimum 1.4 ft^3/s (0.040 m^3/s) Dec. 10-11, gage height, 0.11 (0.034) (result of freezeup); minimum daily, 30 ft^3/s (0.85 m^3/s) Oct. 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	38	53	72	144	65	83	64	72	54	43	40
2	40	38	54	68	135	63	81	62	70	50	41	38
3	38	37	52	64	126	66	79	62	68	45	42	37
4	35	37	52	61	120	70	77	60	68	54	43	35
5	34	37	50	59	120	67	79	64	66	52	50	35
6	32	35	56	58	120	67	79	62	66	50	48	35
7	31	35	58	56	117	67	77	62	64	50	49	35
8	30	42	54	56	114	66	74	64	70	54	47	34
9	35	49	54	66	111	65	72	72	71	58	46	32
10	40	50	40	59	109	64	70	74	66	58	45	31
11	40	50	49	74	106	65	60	72	64	56	45	32
12	38	49	62	68	103	66	56	70	64	54	60	35
13	37	47	58	66	101	66	60	70	64	53	58	43
14	37	45	56	81	101	70	74	70	64	52	54	43
15	40	43	60	84	95	83	81	74	62	52	52	43
16	40	42	59	81	90	92	72	74	58	51	48	42
17	38	43	58	79	88	96	68	79	56	52	45	42
18	37	43	58	83	88	93	66	77	58	52	45	42
19	34	43	58	81	86	88	64	74	58	50	47	52
20	43	42	58	85	83	88	74	74	58	50	47	52
21	47	41	60	86	83	86	74	72	56	47	47	53
22	47	40	64	81	81	86	74	70	56	46	47	52
23	47	41	80	78	79	83	72	68	56	45	45	51
24	47	42	74	75	77	74	66	70	54	45	43	49
25	47	42	71	78	77	70	66	79	54	45	45	48
26	47	47	70	114	76	72	68	79	52	45	45	47
27	45	48	69	140	74	88	68	79	50	45	42	45
28	43	47	67	151	71	95	68	79	50	44	43	45
29	42	47	64	147	---	93	68	79	49	43	43	43
30	40	47	66	167	---	88	66	79	56	43	40	42
31	38	---	76	167	---	88	---	77	---	43	40	---
TOTAL	1229	1287	1860	2685	2775	2390	2136	2211	1820	1538	1435	1253
MEAN	39.6	42.9	60.0	86.6	99.1	77.1	71.2	71.3	60.7	49.6	46.3	41.8
MAX	47	50	80	167	144	96	83	79	72	58	60	53
MIN	30	35	40	56	71	63	56	60	49	43	40	31

CAL YR 1977 TOTAL 13652 MEAN 37.4 MAX 80 MIN 18
WTR YR 1978 TOTAL 22619 MEAN 62.0 MAX 167 MIN 30

01304500 PECONIC RIVER AT RIVERHEAD, NY--Continued

WATER-QUALITY RECORDS

ERIOD OF RECORD.--Water years 1966 to current year.

ERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: June 1975 to current year.
WATER TEMPERATURES: June 1975 to current year.

NSTRUMENTATION.--Water-quality monitor and temperature recorder since June 1975.

EMARKS.--In addition to the water-quality monitor record, samples were collected approximately once a month. Specific conductance records unreliable or no record, due to malfunctions of the instrument, Dec. 21-Jan. 11. Unpublished records of daily specific conductance and water temperatures are available in files of Long Island Sub-district office.

)OPERATION.--Some water-quality samples were collected and analyzed by Suffolk County Department of Environmental Control. They are identified in the table by an asterisk (*).

XTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum recorded, 215 micromhos July 12, 1977; minimum recorded, 60 micromhos April 12, 1977.
WATER TEMPERATURES: Maximum, 29.0°C Aug. 2, 1975; minimum recorded, 0°C Dec. 20, 24, 1975, Jan. 5, 6, Dec. 3, 13, 14, 22, 1976, and many days during December 1977 to March 1978.

XTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum recorded, 170 micromhos Nov. 13; minimum recorded, 72 micromhos Jan. 30, 31.
WATER TEMPERATURES: Maximum, 28.5°C July 23, minimum recorded, 0°C on many days during December to March.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	PH (UNITS)	TUR-BID-ITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	COLI-FORM, FECAL, 0.45 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, (COLS. PER 100 ML)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	CALCIUM DIS-SOLVED (MG/L AS CA)
OCT											
04...	1515	35	6.6	--	9.8	--	--	--	--	5.4	--
NOV											
01...	0930	38	5.8	1	7.7	K3/	20	23	8	--	6.0
29...	1115	45	6.0	3	10.3	113	1720	23	7	--	6.1
DEC											
29*..	--	--	6.6	--	11.0	--	--	--	--	3.8	--
JAN											
11...	1130	74	6.1	3	13.0	30	1800	25	17	--	6.6
FEB											
22...	0930	81	--	1	10.6	K15	K12	23	12	--	5.9
MAR											
31*..	--	--	6.2	--	10.6	--	--	--	--	4.2	--
APR											
05...	0930	79	6.3	3	9.8	K7	22	21	10	--	5.5
MAY											
09...	0830	74	6.1	3	8.7	104	120	22	18	--	5.5
JUN											
07...	1000	64	6.0	3	6.4	132	3400	24	10	--	6.4
28*..	--	--	6.2	--	7.0	--	--	--	--	6.2	--
28...	0900	50	6.0	--	7.7	226	5000	24	9	--	6.1
JUL											
25...	0830	45	6.4	--	8.4	160	580	25	7	--	6.2
AUG											
15...	0830	52	6.1	--	7.7	500	--	25	10	--	6.3
SEP											
05...	0930	35	6.6	--	8.2	172	550	26	11	--	6.5

/ The letter "K" printed before the value indicates the reading was based on a non-ideal colony count.

01304500 PECONIC RIVER AT RIVERHEAD, NY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)
OCT											
04...	2.0	--	7.0	1.6	--	--	12	9.2	11	<.5	--
NOV											
01...	--	2.0	7.0	1.6	18	0	15	12	11	.0	3.8
29...	--	2.0	7.5	1.7	20	0	16	12	12	.0	5.9
DEC											
29...	1.8	--	7.5	1.3	--	--	8	10	9.5	<.5	--
JAN											
11...	--	2.0	7.8	1.7	9	0	7	13	12	.0	5.5
FEB											
22...	--	1.9	7.3	1.3	13	0	11	14	11	.0	7.5
MAR											
31...	1.8	--	7.0	1.3	--	--	8	11	10	<.5	--
APR											
05...	--	1.8	6.8	1.2	13	0	11	12	11	.0	3.1
MAY											
09...	--	1.9	7.3	1.4	4	0	3	12	11	.0	2.9
JUN											
07...	--	1.9	7.3	1.7	17	0	14	11	12	.0	5.4
28...	2.2	--	7.8	1.4	--	--	13	9.8	13	<.5	--
28...	--	2.1	7.5	1.2	--	--	15	10	12	.0	2.8
JUL											
25...	--	2.2	7.6	1.4	--	--	18	9.7	12	.0	2.9
AUG											
15...	--	2.2	7.5	1.5	--	--	15	10	12	.0	4.0
SEP											
05...	--	2.3	7.8	1.4	--	--	15	10	12	.0	3.9

DATE	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO. TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DISSOLVED (UG/L AS AS)
OCT											
04...	--	--	--	.32	.08	.40	--	.09	.06	--	--
NOV											
01...	59	52	.25	.07	.55	.62	.87	.11	--	--	--
29...	60	57	.40	.14	.41	.55	.95	.11	--	--	--
DEC											
29...	--	--	--	.20	.40	.60	--	.05	.03	--	--
JAN											
11...	60	53	.55	.18	.46	.64	1.2	.09	--	0	0
FEB											
22...	55	55	.39	.18	.34	.52	.91	.06	--	--	--
MAR											
31...	--	--	--	.20	--	.10	--	.06	.02	--	--
APR											
05...	66	48	.23	.03	.37	.40	.63	.02	--	--	--
MAY											
09...	57	44	.19	.04	.53	.57	.76	.07	--	0	0
JUN											
07...	69	54	.26	.30	.69	.99	1.3	.18	--	--	--
28...	--	--	--	.21	.09	.30	--	.11	.07	--	--
28...	72	51	.19	.10	.36	.46	.65	.10	--	1	0
JUL											
25...	72	53	.07	.07	.76	.83	.90	.16	--	--	--
AUG											
15...	74	53	.18	.16	.48	.64	.82	.15	--	--	--
SEP											
05...	78	53	.21	.08	.46	.54	.75	.08	--	1	1

01304500 PECONIC RIVER AT RIVERHEAD, NY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV-ERABLE (UG/L AS CO)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)
OCT											
04...	--	--	--	--	--	--	--	--	550	400	--
NOV											
01...	--	--	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--	--
DEC											
29...	--	--	--	--	--	--	--	--	330	250	--
JAN											
11...	2	1	<10	5	3	0	6	4	560	130	23
FEB											
22...	--	--	--	--	--	--	--	--	--	--	--
MAR											
31...	--	--	--	--	--	--	--	--	500	300	--
APR											
05...	--	--	--	--	--	--	--	--	--	--	--
MAY											
09...	0	0	10	5	0	0	2	1	810	100	5
JUN											
07...	--	--	--	--	--	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	1000	700	--
28...	6	0	10	0	0	0	3	2	1000	630	77
JUL											
25...	--	--	--	--	--	--	--	--	--	--	--
AUG											
15...	--	--	--	--	--	--	--	--	--	--	--
SEP											
05...	0	0	<10	0	1	1	2	2	710	470	10

DATE	LEAD, DIS-SOLVED (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	MERCURY DIS-SOLVED (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT										
04...	--	50	--	--	--	--	--	--	--	9.0
NOV										
01...	--	--	--	--	--	--	--	--	--	14
29...	--	--	--	--	--	--	--	--	--	--
DEC										
29...	--	50	--	--	--	--	--	--	--	7.0
JAN										
11...	5	100	90	<.5	<.5	0	0	20	20	--
FEB										
22...	--	--	--	--	--	--	--	--	--	6.2
MAR										
31...	--	90	--	--	--	--	--	--	--	7.0
APR										
05...	--	--	--	--	--	--	--	--	--	5.4
MAY										
09...	1	110	80	<.5	<.5	0	0	20	10	--
JUN										
07...	--	--	--	--	--	--	--	--	--	9.1
28...	--	90	--	--	--	--	--	--	--	9.0
28...	0	80	70	<.5	<.5	0	0	10	10	--
JUL										
25...	--	--	--	--	--	--	--	--	--	10
AUG										
15...	--	--	--	--	--	--	--	--	--	4.5
SEP										
05...	8	70	50	<.5	<.5	0	0	20	10	--

01304500 PECONIC RIVER AT RIVERHEAD, NY--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	96	86	91	100	94	97	116	108	110	---	---	---
2	90	82	86	100	94	97	112	106	111	---	---	---
3	90	84	87	98	94	97	108	100	105	---	---	---
4	92	86	88	102	96	98	104	98	101	---	---	---
5	90	86	89	106	98	102	100	94	97	---	---	---
6	90	86	87	106	102	103	100	98	99	---	---	---
7	92	84	89	114	102	110	98	98	98	---	---	---
8	104	88	93	114	102	106	100	96	98	---	---	---
9	96	88	91	112	102	108	124	96	107	---	---	---
10	100	92	95	112	104	109	132	102	109	---	---	---
11	104	98	101	116	108	111	102	100	102	---	---	---
12	104	98	101	110	108	110	102	98	100	106	104	104
13	104	98	101	170	106	120	138	90	99	106	102	103
14	104	100	102	122	118	120	96	88	92	102	88	93
15	104	98	101	122	116	119	98	94	97	96	90	94
16	106	102	104	116	110	114	102	98	100	98	96	97
17	120	104	109	112	106	109	102	98	101	106	92	100
18	106	102	104	112	106	109	100	96	98	98	90	94
19	106	102	103	112	106	108	100	96	98	96	94	95
20	102	98	101	112	108	110	102	98	100	94	90	92
21	106	102	103	114	108	111	---	---	---	94	92	94
22	106	100	104	112	106	109	---	---	---	98	94	96
23	104	102	103	112	108	110	---	---	---	104	96	99
24	112	98	102	112	108	109	---	---	---	106	98	101
25	100	96	97	116	110	113	---	---	---	100	88	97
26	98	94	96	114	108	111	---	---	---	96	86	91
27	98	88	93	118	112	114	---	---	---	88	76	83
28	96	90	92	116	108	113	---	---	---	80	74	77
29	96	92	94	114	108	112	---	---	---	78	74	76
30	96	94	95	112	104	108	---	---	---	74	72	73
31	98	94	97	---	---	---	---	---	---	76	72	75
MONTH	120	82	97	170	94	109	138	88	101	106	72	92

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	80	76	79	110	106	108	90	82	87	98	86	93
2	84	80	82	116	106	112	94	84	88	102	86	94
3	88	84	85	118	108	114	96	92	93	100	88	94
4	96	88	92	110	106	108	98	92	95	106	92	99
5	102	94	97	112	108	110	94	88	90	100	92	95
6	96	92	94	112	108	110	96	90	93	104	94	99
7	94	90	92	114	106	110	94	90	92	122	90	107
8	96	94	95	112	108	110	100	94	96	98	86	92
9	104	94	98	112	108	110	100	94	97	90	84	87
10	100	96	97	110	106	108	98	94	97	88	84	86
11	102	98	101	112	106	110	98	94	97	94	86	90
12	104	98	100	110	104	107	102	90	97	94	86	89
13	100	96	99	114	108	110	104	92	97	96	84	90
14	96	96	96	112	104	108	102	96	99	96	86	89
15	100	96	98	112	100	106	104	100	102	90	86	88
16	104	100	102	106	94	101	106	94	100	90	86	88
17	102	100	102	94	92	93	106	96	100	94	86	90
18	104	102	102	94	90	92	106	94	101	90	84	88
19	104	102	103	96	86	92	106	94	102	86	80	84
20	106	104	106	96	88	93	104	92	99	88	78	83
21	108	106	106	96	88	91	100	90	96	86	78	82
22	108	104	106	92	84	89	102	90	96	90	80	85
23	108	106	107	92	80	86	102	84	94	94	82	86
24	110	106	108	100	86	91	96	84	90	88	82	85
25	112	106	109	102	96	100	98	88	93	88	82	86
26	110	106	109	108	100	105	96	84	90	90	82	85
27	112	106	109	108	86	96	90	86	87	92	86	88
28	114	104	109	94	88	90	90	84	87	90	82	86
29	---	---	---	92	82	87	90	80	86	100	78	88
30	---	---	---	90	84	87	92	84	87	102	74	83
31	---	---	---	92	86	88	---	---	---	92	80	84
MONTH	114	76	99	118	80	101	106	80	94	122	74	89

01304500 PECONIC RIVER AT RIVERHEAD, NY--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	84	76	80	94	88	90	94	90	92	104	98	100
2	94	82	89	100	86	90	94	88	91	104	98	101
3	90	84	87	94	86	89	90	86	88	102	94	98
4	96	86	90	102	82	85	92	86	89	100	92	94
5	102	90	96	104	88	96	100	90	95	100	94	97
6	98	88	93	100	94	96	106	96	100	104	96	100
7	102	86	92	102	92	95	104	94	99	100	94	98
8	90	88	88	100	90	95	104	96	100	102	94	99
9	88	84	87	100	90	92	106	96	101	104	94	97
10	94	88	89	96	86	91	100	96	98	112	100	104
11	94	88	89	94	82	89	110	94	102	106	100	103
12	92	86	88	90	82	85	108	90	93	104	96	100
13	90	86	88	90	82	85	106	92	100	106	96	100
14	96	88	89	92	82	86	104	94	101	114	104	109
15	102	88	94	88	82	85	106	92	98	116	106	112
16	100	88	94	90	84	88	98	86	91	116	104	109
17	110	92	100	92	84	87	90	86	87	116	108	113
18	108	86	96	92	88	89	90	84	86	112	100	105
19	94	86	90	96	86	89	92	84	87	114	102	107
20	102	88	94	86	82	84	94	86	91	116	106	111
21	98	88	92	88	82	84	98	92	94	110	100	104
22	100	90	93	88	82	85	100	92	96	110	102	105
23	100	90	94	92	84	87	96	86	90	112	102	105
24	102	88	94	94	86	90	94	82	86	112	108	111
25	100	86	91	98	90	92	90	82	86	108	102	105
26	92	88	89	96	92	95	90	86	88	108	102	104
27	90	88	89	98	92	95	94	88	91	110	102	105
28	92	86	89	100	88	93	94	84	89	104	94	100
29	98	90	92	102	88	94	94	86	89	112	100	106
30	96	88	91	92	88	89	100	90	95	116	110	112
31	---	---	---	96	88	92	100	90	94	---	---	---
MONTH	110	76	91	104	82	90	110	82	93	116	92	104
YEAR	170	72	97									

01304500 PECONIC RIVER AT RIVERHEAD, NY--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	2.0	.5	1.5	4.0	2.0	3.0	13.5	10.0	11.5	13.5	10.5	12.0
2	2.0	1.0	1.5	4.0	1.0	2.5	12.5	9.5	11.0	14.0	10.5	12.5
3	2.0	1.0	1.5	4.0	.5	2.0	10.5	7.5	9.0	15.0	12.0	14.0
4	2.0	.0	1.0	3.5	.5	2.0	9.5	8.5	9.0	15.0	13.0	14.0
5	2.0	1.0	1.5	3.0	.0	1.5	13.0	9.0	10.0	14.5	10.5	11.5
6	2.0	.0	1.0	3.5	.0	1.5	12.5	8.5	11.0	13.5	10.5	12.0
7	.5	.0	.5	4.5	.5	2.5	12.0	10.0	10.5	14.5	12.5	13.5
8	2.0	.5	1.0	4.0	1.5	2.5	10.5	9.0	10.0	16.0	13.5	15.0
9	2.0	.5	1.0	7.0	2.5	4.5	11.5	7.0	9.0	15.5	13.5	14.0
10	2.0	.5	1.5	6.0	3.5	4.0	12.5	7.5	10.0	17.0	13.5	15.0
11	2.0	.5	1.5	7.5	2.5	5.0	11.5	9.5	10.0	18.0	15.0	16.5
12	2.5	1.0	1.5	7.0	4.0	5.5	13.0	9.0	11.0	17.5	16.0	16.5
13	2.5	.5	1.5	8.0	3.5	5.5	14.0	10.5	12.5	17.0	15.5	16.0
14	2.0	1.0	1.5	6.5	4.0	5.0	13.0	11.0	12.0	16.5	14.0	15.0
15	2.5	.5	1.5	7.0	5.0	6.0	12.0	9.5	10.5	14.0	13.0	13.5
16	2.5	.5	1.5	5.5	3.0	4.0	13.0	8.5	11.0	13.0	12.5	12.5
17	3.0	1.5	2.0	6.0	3.0	4.5	12.5	10.5	11.0	14.5	12.0	13.0
18	3.0	1.0	2.0	5.5	2.5	4.0	14.5	10.0	12.0	14.5	13.5	14.0
19	3.0	1.5	2.0	6.5	3.0	5.0	14.0	10.0	10.5	18.5	14.0	16.0
20	3.5	.5	2.0	7.5	3.5	5.5	13.0	10.0	11.5	21.5	16.5	18.5
21	3.0	1.0	2.0	8.5	4.5	6.5	12.5	10.5	11.0	21.5	18.5	20.0
22	2.5	.0	2.0	8.5	6.0	7.5	13.5	10.0	12.0	20.0	18.0	19.5
23	3.5	.5	2.0	8.5	4.5	6.5	14.0	10.5	12.5	21.0	18.5	19.5
24	3.5	1.0	2.5	9.5	7.0	8.0	15.0	11.0	13.5	19.5	16.5	18.0
25	4.0	2.0	3.0	9.0	5.5	7.5	15.5	12.5	14.0	16.5	16.0	16.0
26	4.5	2.0	3.0	8.5	6.0	7.0	15.5	13.5	14.5	17.5	15.5	16.5
27	4.0	1.0	2.5	9.0	6.0	7.5	14.5	10.0	12.0	18.0	16.5	17.0
28	4.5	1.0	2.5	11.0	7.5	9.0	13.5	9.5	11.5	20.5	17.5	18.5
29	---	---	---	12.0	9.0	10.5	14.5	11.0	13.0	22.0	19.0	20.5
30	---	---	---	12.0	8.0	10.0	14.5	12.5	13.5	24.0	20.5	22.0
31	---	---	---	12.5	8.5	10.5	---	---	---	25.0	21.5	23.0
MONTH	4.5	.0	1.5	12.5	.0	5.5	15.5	7.0	11.5	25.0	10.5	16.0

01304500 PECONIC RIVER AT RIVERHEAD, NY--Continued

TEMPERATURE (DEG. C) OF WATER. WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	26.0	22.5	24.0	24.0	22.0	23.0	20.0	19.5	19.5	21.0	19.5	20.5
2	24.5	23.0	24.0	23.0	22.0	22.5	20.5	19.5	20.0	21.0	19.5	20.0
3	24.0	22.0	23.0	22.5	19.5	21.0	23.0	20.5	21.5	21.5	19.5	20.5
4	23.5	21.0	22.5	19.5	16.5	17.5	23.0	22.0	22.5	23.0	20.5	21.5
5	22.0	20.5	21.0	21.0	16.0	18.5	22.5	21.5	22.0	22.5	20.5	21.5
6	22.5	19.5	21.0	23.5	19.5	21.5	23.5	21.5	22.5	23.0	20.5	22.0
7	21.0	20.0	20.5	24.0	21.0	22.5	24.0	22.5	23.0	22.5	21.5	22.0
8	20.5	19.5	20.0	24.5	22.0	23.0	26.0	23.0	24.5	21.5	19.5	20.5
9	22.0	19.5	20.5	25.5	22.5	24.0	25.5	24.5	25.0	20.5	19.0	19.5
10	23.0	20.0	21.5	26.0	24.0	25.0	26.0	23.5	25.0	19.0	18.0	18.5
11	23.5	20.5	22.0	25.0	23.5	24.5	25.0	23.5	24.0	20.0	18.0	19.0
12	23.5	20.5	22.0	24.0	22.5	23.5	23.5	22.0	22.5	22.0	20.0	21.0
13	22.5	19.5	21.0	24.5	22.5	23.5	23.0	22.0	22.0	21.0	19.0	20.0
14	19.5	17.5	18.5	23.0	21.0	22.0	25.5	22.0	23.5	19.0	17.5	18.0
15	19.5	17.0	18.5	21.0	20.5	21.0	26.0	23.5	25.5	17.0	17.0	17.0
16	20.5	18.5	19.5	21.0	20.5	21.0	26.0	24.5	25.5	19.0	16.5	18.0
17	19.5	18.0	18.5	21.5	20.5	21.0	26.5	25.0	25.5	20.5	18.0	19.5
18	20.5	17.5	19.0	24.5	20.5	22.5	26.5	24.5	25.5	19.5	18.0	19.0
19	23.5	20.0	21.5	25.0	22.5	23.5	26.5	24.0	25.0	18.0	16.0	17.0
20	24.5	22.0	23.0	26.0	23.0	24.5	25.0	24.0	24.5	17.5	15.5	16.5
21	24.5	22.0	23.5	27.0	24.0	25.5	25.0	23.0	24.0	20.0	17.0	18.5
22	24.5	22.5	23.5	27.0	25.0	26.0	25.5	23.0	24.0	19.5	18.0	19.0
23	24.0	22.0	23.0	28.5	26.0	27.0	25.0	23.0	24.0	17.5	16.5	17.0
24	23.5	21.5	22.5	28.0	26.0	27.0	24.5	23.5	24.0	17.0	16.0	16.5
25	24.0	21.5	23.0	26.0	23.5	25.0	23.5	19.0	21.0	18.0	15.5	16.5
26	23.5	22.0	22.5	23.5	22.5	23.0	22.0	18.5	20.0	17.0	15.5	16.5
27	24.0	21.5	22.5	25.0	22.5	24.0	21.5	20.0	21.0	16.5	14.5	16.0
28	26.0	23.0	24.5	24.5	23.5	24.0	21.5	21.0	21.5	16.5	15.0	16.0
29	25.5	24.0	25.0	24.0	22.5	23.0	24.0	21.0	22.5	16.0	14.0	14.5
30	25.5	23.5	24.5	25.0	22.5	23.5	24.0	22.5	23.5	16.0	13.5	15.0
31	---	---	---	23.5	20.0	22.0	23.0	21.0	22.0	---	---	---
MONTH	26.0	17.0	22.0	28.5	16.0	23.0	26.5	18.5	23.0	23.0	13.5	18.5
YEAR	28.5	.0	12.5									

SUSPENDED SEDIMENT DISCHARGE

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT DIS-CHARGE, SUS-PENDED (T/DAY)
FEB , 1978				
22...	0930	81	2	.44
APR				
05...	0930	79	7	1.5
MAY				
09...	0830	74	8	1.6
JUN				
07...	1000	64	6	1.0
28...	0900	50	5	.67
AUG				
15...	0830	52	10	1.4
SEP				
05...	0930	35	6	.57

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

PHYTOPLANKTON

DATE	NOV 1,77		NOV 29,77		MAY 9,78		JUN 7,78	
TIME	0930		1115		0830		1000	
TOTAL CELLS/ML	2000		870		5800		6500	
DIVERSITY: DIVISION	1.6		1.4		1.4		0.8	
.CLASS	1.7		1.4		1.7		0.8	
..ORDER	2.0		2.2		2.4		1.4	
...FAMILY	2.3		2.7		2.6		1.9	
....GENUS	2.3		2.7		2.6		2.0	
ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CHLOROPHYTA (GREEN ALGAE)								
.CHLOROPHYCEAE								
..CHLOROCOCCALES								
...HYDRODICTYACEAE								
....PEDIASTRUM	--	-	110	13	--	-	350	5
...OOCYSTACEAE								
....ANKISTRODESMUS	23	1	--	-	--	-	--	-
....CHODATELLA	--	-	14	2	--	-	--	-
....KIRCHNERIELLA	35	2	--	-	--	-	--	-
....TETRAEDRON	12	1	--	-	--	-	--	-
...SCENEDESMACEAE								
....SCENEDESMUS	58	3	240#	27	290	5	890	14
..TETRASPORALES								
...PALMELLACEAE								
....SPHAEROCYSTIS	140	7	--	-	--	-	--	-
..VOLVOCALES								
...CHLAMYDOMONADACEAE								
....CARTERIA	--	-	--	-	--	-	150	2
....CHLAMYDOMONAS	--	-	110	13	--	-	*	0
CHRYSOPHYTA								
.BACILLARIOPHYCEAE								
..CENTRALES								
...COSCINODISCACEAE								
....CYCLOTELLA	35	2	7	1	580	10	*	0
....MELOSIRA	--	-	--	-	--	-	780	12
..PENNALES								
...ACHNANTHACEAE								
....ACHNANTHES	--	-	--	-	72	1	--	-
...CYMBELLACEAE								
....CYMBELLA	12	1	7	1	--	-	--	-
...EUNOTIACEAE								
....EUNOTIA	--	-	--	-	--	-	*	0
...FRAGILARIACEAE								
....FRAGILARIA	--	-	--	-	--	-	4000#	61
....SYNEDRA	63	3	--	-	--	-	--	-
...GOMPHONEMATACEAE								
....GOMPHONEMA	12	1	--	-	220	4	44	1
...NAVICULACEAE								
....NAVICULA	35	2	64	7	220	4	120	2
....PINNULARIA	--	-	--	-	72	1	100	2
...NITZSCHIACEAE								
....NITZSCHIA	63	3	21	2	--	-	59	1
.CHRYSOPHYCEAE								
..CHRYSOMONADALES								
...OCHROMONADACEAE								
....DINOBRYON	--	-	--	-	1100#	19	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)								
.CYANOPHYCEAE								
..CHROCCOCCALES								
...CHROCCOCCACEAE								
....ANACYSTIS	1200#	58	190#	22	2200#	37	--	-
..HORMOGONALES								
...OSCILLATORIACEAE								
....OSCILLATORIA	69	3	100	11	1000#	17	--	-
EUGLENOPHYTA (EUGLENOIDS)								
.CRYPTOPHYCEAE								
..CRYPTOMONIDALES								
...CRYPTOMONODACEAE								
....CRYPTOMONAS	240	12	--	-	--	-	--	-
.EUGLENOPHYCEAE								
..EUGLENALES								
...EUGLENACEAE								
....EUGLENA	40	2	--	-	--	-	--	-
....TRACHELOMONAS	--	-	--	-	140	2	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

PERIPHYTON

Date	Length of exposure (days)	Biomass (g/m^2) Dry weight	Biomass (g/m^2) Ash weight	Chlorophyll a (mg/m^2)	Chlorophyll b (mg/m^2)	Biomass pigment ratio	Sampling method
Jan. 11 to Feb. 22	42	12.4	6.77	6.96	1.86	808	Polyethylene strip
May 9 to June 7	29	.236	.000	.460	.070	513	Polyethylene strip
Sept. 5 to Oct. 5	30	.790	.470	.720	.130	444	Polyethylene strip

01305000 CARMANS RIVER AT YAPHANK, NY

LOCATION.--Lat 40°49'49", long 72°54'24", Suffolk County, Hydrologic Unit 02030202, on left bank 50 ft (15 m) upstream from Long Island Railroad bridge, 0.2 mi (0.3 km) northeast of Yaphank Station, and 0.5 mi (0.8 km) southeast of Yaphank. Water-quality sampling site at discharge station.

DRAINAGE AREA.--About 71 mi^2 (184 km^2).

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1141: Drainage area.

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

REMARKS.--Records good. Some regulation by two lakes above station.

AVERAGE DISCHARGE.--36 years, 23.4 ft^3/s (0.663 m^3/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 110 ft^3/s (3.12 m^3/s) Jan. 26, 1978, gage height, 1.93 ft (0.588 m); minimum, 2.8 ft^3/s (0.079 m^3/s) Feb. 24, 1967, gage height, 0.73 ft (0.223 m); minimum daily discharge, 6.2 ft^3/s (0.18 m^3/s) Feb. 28, Mar. 3, 1967, (result of temporary construction upstream).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 110 ft^3/s (3.12 m^3/s) Jan. 26, gage height, 1.93 ft (0.588 m); minimum, 8.8 ft^3/s (0.25 m^3/s) Dec. 11, gage height, 0.93 ft (0.283 m) (result of freezeup).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	21	34	28	43	33	37	34	37	32	32	33
2	22	21	29	28	43	33	37	34	37	32	32	31
3	20	21	27	28	42	33	36	34	37	33	32	30
4	20	21	26	27	41	34	36	34	37	55	34	30
5	19	21	29	27	40	32	37	38	36	47	37	29
6	19	21	33	27	44	32	36	36	36	40	35	29
7	19	22	28	27	47	32	36	35	36	35	36	29
8	19	35	26	28	41	31	36	34	38	33	33	29
9	26	31	28	35	39	32	36	43	39	33	32	29
10	26	27	24	28	37	32	35	39	37	32	32	28
11	23	25	21	27	37	33	36	36	36	32	31	29
12	22	24	28	31	37	33	37	35	36	31	41	35
13	21	24	26	29	37	34	36	35	36	31	40	40
14	25	23	27	43	37	38	36	38	36	32	35	34
15	25	23	31	35	36	46	35	42	34	35	33	32
16	23	23	27	31	36	43	35	41	34	34	33	31
17	23	24	26	30	35	41	35	41	34	36	34	31
18	21	25	26	35	35	38	35	38	34	32	32	31
19	22	24	28	32	35	37	40	37	34	33	31	39
20	26	23	27	36	34	37	44	36	34	32	31	34
21	23	22	34	33	34	38	39	36	33	32	30	32
22	23	22	33	31	34	40	37	35	35	32	29	31
23	22	24	29	30	34	39	36	35	34	31	29	31
24	22	23	28	29	34	38	35	46	34	31	31	30
25	22	22	29	35	34	37	35	50	33	31	31	30
26	22	30	28	84	34	37	35	42	33	30	30	29
27	22	27	27	59	33	45	35	39	33	31	30	29
28	22	26	27	49	33	42	35	38	33	31	30	29
29	21	25	27	46	---	39	35	37	33	31	30	29
30	21	26	27	45	---	37	34	37	32	31	29	28
31	20	---	29	44	---	37	---	37	---	31	29	---
TOTAL	681	726	869	1097	1046	1133	1087	1172	1051	1042	1004	931
MEAN	22.0	24.2	28.0	35.4	37.4	36.5	36.2	37.8	35.0	33.6	32.4	31.0
MAX	26	35	34	84	47	46	44	50	39	55	41	40
MIN	19	21	21	27	33	31	34	34	32	30	29	28

CAL YR 1977 TOTAL 8471 MEAN 23.2 MAX 37 MIN 17
WTR YR 1978 TOTAL 11839 MEAN 32.4 MAX 84 MIN 19

01300500 CARMANS RIVER AT YAPHANK, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 1966 to current year.

COOPERATION.--Some water-quality samples were collected and analyzed by Suffolk County Department of Environmental Control. They are identified in the table by an asterisk (*).

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM DISSOLVED (MG/L AS CA)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)
OCT										
04*	108	6.5	12.0	10.4	--	6.0	---	2.5	8.0	1.1
31	110	6.5	10.0	10.4	7.1	--	2.6	--	8.6	1.3
DEC										
29*	80	6.4	5.0	11.1	--	5.4	---	2.6	9.8	1.1
MAR										
31*	116	7.0	13.2	11.6	--	6.1	---	2.5	8.5	1.2
APR										
17	100	6.1	12.0	12.5	6.9	--	2.4	--	8.6	1.1
JUN										
28*	112	6.4	21.0	8.6	--	6.5	--	2.6	8.0	.9

DATE	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)
OCT									
04	13	8.9	11	<.5	.74	.72	.00	.00	.17
31	15	12	12	.0	.74	--	.00	.01	.00
DEC									
29	13	10	12	<.5	.93	.94	.00	.00	.10
MAR									
31	13	11	14	<.5	.81	.81	.00	.00	--
APR									
17	21	12	11	.0	.78	.63	.00	.01	.01
JUN									
28	16	2.4	13	<.5	.73	.70	.00	.00	.10

DATE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO. TOTAL (MG/L AS P)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
OCT									
04	.09	.40	.42	.00	300	200	50	6.0	--
31	--	.01	.01	.00	270	120	50	--	.00
DEC									
29	.08	.40	.02	.00	250	160	170	4.0	<.02
MAR									
31	.15	--	.02	.00	500	200	90	6.0	<.02
APR									
17	--	.16	.01	.00	330	150	50	--	.00
JUN									
28	.08	.10	.02	.00	400	300	50	6.0	<.02

01305500 SWAN RIVER AT EAST PATCHOGUE, NY

LOCATION.--Lat 40°46'01", long 72°59'39", Suffolk County, Hydrologic Unit 02030202, on left bank 94 ft (29 m) downstream from Montauk Highway in East Patchogue, 200 ft (61 m) downstream from outlet of Swan Lake, and 1.2 mi (1.9 km) upstream from mouth. Water-quality sampling site at discharge station.

DRAINAGE AREA.--About 8.8 mi^2 (23 km^2).

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1622: Drainage area.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 2.84 ft (0.866 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good except those for July to September which are fair. Flow regulated occasionally at outlet of Swan Lake.

AVERAGE DISCHARGE.--32 years, 12.5 ft^3/s (0.354 m^3/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 155 ft^3/s (4.39 m^3/s) Aug. 12, 1978, gage height, 2.15 ft (0.655 m), from rating curve extended above 26 ft^3/s (0.74 m^3/s); minimum, 0.06 ft^3/s (0.002 m^3/s) Sept. 2, 1964, gage height, 0.02 ft (0.006 m) (result of regulation); minimum daily, 4.3 ft^3/s (0.12 m^3/s) Oct. 13, 14, 1967.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 155 ft^3/s (4.39 m^3/s) Aug. 12, gage height, 2.15 ft (0.655 m), from rating curve extended above 26 ft^3/s (0.74 m^3/s); minimum, 5.2 ft^3/s (0.147 m^3/s) Jan. 11, gage height, 0.36 ft (0.110 m) (result of freezeup).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	9.4	19	14	15	17	16	14	15	13	14	15
2	11	9.4	12	15	16	16	16	14	15	13	15	14
3	11	9.8	11	14	17	16	15	14	15	15	14	14
4	11	9.8	10	14	18	17	15	14	16	35	16	15
5	9.8	9.4	17	14	18	16	16	16	16	17	14	13
6	9.8	9.8	15	14	19	16	15	15	16	14	12	13
7	9.8	12	9.8	15	22	16	16	14	15	14	13	13
8	9.8	33	9.4	15	18	15	15	14	16	13	14	13
9	18	16	10	27	17	15	15	17	16	13	13	13
10	14	12	11	16	18	16	15	14	15	13	14	13
11	11	12	11	15	18	16	15	13	15	13	13	13
12	11	11	11	14	18	17	16	13	15	13	59	23
13	10	11	11	15	18	17	15	13	15	13	28	23
14	14	11	13	31	18	21	15	16	15	13	18	13
15	14	11	13	17	17	24	15	16	14	14	16	9.4
16	11	11	12	16	17	20	16	17	14	14	15	11
17	11	13	12	15	17	18	15	15	15	15	15	13
18	9.8	13	12	23	17	17	15	14	15	14	15	14
19	9.8	12	13	17	17	17	19	13	14	14	15	20
20	10	12	12	18	17	18	19	13	14	14	15	15
21	10	12	22	17	17	17	16	13	14	14	15	14
22	9.8	12	15	16	18	17	15	13	14	14	15	14
23	9.8	15	13	16	18	17	15	13	15	14	15	15
24	9.8	14	13	16	17	16	15	17	15	13	15	14
25	9.8	13	14	28	17	16	15	18	14	14	15	14
26	9.8	20	14	85	17	16	15	17	14	14	15	13
27	9.4	14	14	22	17	22	15	16	14	14	15	13
28	9.4	13	14	16	17	17	15	15	13	14	15	13
29	9.4	12	14	16	---	16	15	15	14	14	14	13
30	9.4	12	14	16	---	16	14	15	14	14	14	13
31	9.4	---	15	16	---	16	---	15	---	14	14	---
TOTAL	331.8	384.6	406.2	603	490	531	464	456	442	450	510	426.4
MEAN	10.7	12.8	13.1	19.5	17.5	17.1	15.5	14.7	14.7	14.5	16.5	14.2
MAX	18	33	22	85	22	24	19	18	16	35	59	23
MIN	9.4	9.4	9.4	14	15	15	14	13	13	13	12	9.4

CAL YR 1977 TOTAL 4254.1 MEAN 11.7 MAX 33 MIN 7.0
WTR YR 1978 TOTAL 5495.0 MEAN 15.1 MAX 85 MIN 9.4

01305500 SWAN RIVER AT EAST PATCHOGUE, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 1966 to current year.

COOPERATION.--All water-quality samples were collected and analyzed by Suffolk County Department of Environmental Control.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY (MG/L AS CACO3)
OCT									
04...	101	6.7	9.0	10.5	5.3	1.8	8.0	1.4	13
JAN									
11...	118	6.6	.0	12.6	4.9	2.0	11	1.4	13
MAR									
31...	108	7.1	11.2	12.2	5.4	2.2	9.0	1.4	13
JUN									
28...	104	6.8	23.0	9.4	5.9	2.0	8.7	1.2	13

DATE	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)
OCT									
04...	6.1	9.7	<.5	1.3	1.3	.00	.01	.18	.14
JAN									
11...	7.4	12	<.5	1.6	1.6	.00	.00	.31	.28
MAR									
31...	7.0	13	<.5	1.6	1.6	.00	.01	--	.15
JUN									
28...	6.2	13	<.5	1.4	1.3	.02	.02	.11	.10

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
OCT								
04...	.20	.02	.01	250	200	10	5.0	--
JAN								
11...	.30	.01	.00	240	190	60	5.0	<.02
MAR								
31...	--	.02	.00	300	200	140	7.0	<.02
JUN								
28...	.10	.02	.00	300	300	100	5.0	.02

01306000 PATCHOGUE RIVER AT PATCHOGUE, NY

LOCATION.--Lat 40°45'56", long 73°01'16", Suffolk County, Hydrologic Unit 02030202, on left bank just downstream from Montauk Highway in Patchogue, and 1.0 mi (1.6 km) upstream from mouth.

DRAINAGE AREA.--About 13.5 mi^2 (35.0 km^2).

PERIOD OF RECORD.--May 1966 to current year.

REMARKS.--Partial-record discharge data included in this report.

COOPERATION.--All water-quality samples were collected and analyzed by Suffolk County Department of Environmental Control.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY (MG/L AS CACO3)
OCT									
04...	144	6.8	12.0	10.0	7.4	2.7	12	2.0	19
JAN									
12...	182	6.7	2.0	12.0	7.6	3.1	15	2.9	25
APR									
03...	183	7.0	10.7	10.0	9.0	3.4	16	3.0	27
JUN									
28...	183	6.9	25.0	7.6	8.8	3.5	16	2.9	27

DATE	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)
OCT									
04...	9.2	16	<.5	1.5	1.5	.01	.01	.14	.16
JAN									
12...	10	18	<.5	1.7	1.7	.01	.01	1.1	1.1
APR									
03...	12	23	<.5	2.2	2.2	.02	.02	.80	.83
JUN									
28...	9.2	23	<.5	1.9	1.8	.08	.07	.64	.60

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO. TOTAL (MG/L AS P)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
OCT								
04...	.90	.03	.00	500	400	600	8.0	--
JAN								
12...	1.0	--	.01	600	410	150	8.0	<.02
APR								
03...	.90	.02	.00	700	500	170	9.0	<.02
JUN								
28...	.70	.02	.00	400	300	120	8.0	.02

01306460 CONNETQUOT BROOK NEAR CENTRAL ISLIP, NY

LOCATION.--Lat 40°46'19", long 73°09'33", Suffolk County, Hydrologic Unit 02030202, 200 ft (61 m) upstream from bridge on private road, and 1.8 mi (2.9 km) upstream from gaging station 01306499. Water-quality sampling site at discharge station.

DRAINAGE AREA.--About 18 mi^2 (47 km^2).

WATER DISCHARGE RECORDS

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1968, 1973-77. November 1977 to September 1978.

GAGE.--Water-stage recorder and wooden stoplog control. Datum of gage is 15.10 ft (4.602 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period November to September, 146 ft^3/s (4.13 m^3/s) Aug. 12, gage height, 2.78 ft (0.847 m) from flood marks; minimum, 20 ft^3/s (0.57 m^3/s) Nov. 15, 16, 22, gage height, 2.04 ft (0.622 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		---	40	32	41	35	38	34	38	29	26	31
2		---	28	32	40	35	38	34	38	28	24	29
3		---	27	31	38	35	35	34	38	29	26	29
4		---	26	31	28	35	35	34	36	49	32	31
5		---	31	31	32	34	35	36	35	36	36	29
6		---	35	31	53	34	35	35	35	32	32	28
7		---	28	31	53	34	36	35	35	31	32	29
8		---	27	31	44	34	35	34	36	29	32	31
9		---	29	38	43	34	35	44	36	28	29	31
10		26	31	35	41	34	35	41	35	28	28	31
11		24	31	32	41	34	35	38	34	28	28	31
12		23	31	31	41	34	36	36	34	27	68	35
13		22	29	31	40	35	36	36	34	27	51	45
14		22	31	44	41	40	36	43	32	27	41	38
15		20	38	38	38	48	36	48	32	28	38	34
16		20	35	36	36	44	38	46	32	28	38	32
17		22	35	35	35	43	40	46	31	28	35	32
18		22	34	43	35	41	36	43	31	27	34	32
19		22	34	40	35	40	41	43	31	26	32	40
20		21	32	40	35	41	43	41	31	24	32	35
21		21	46	38	36	43	40	41	31	24	32	33
22		21	38	38	35	48	38	38	31	27	31	32
23		23	34	38	34	46	36	34	31	27	31	31
24		22	32	38	35	44	35	48	31	26	31	30
25		21	32	44	35	41	36	56	31	24	31	29
26		31	32	74	35	41	35	46	31	26	31	28
27		27	32	60	35	48	36	43	31	26	31	27
28		26	32	53	35	44	36	41	31	26	31	26
29		28	31	49	---	41	35	40	29	26	29	26
30		34	31	48	---	40	35	40	29	26	28	27
31		---	34	49	---	40	---	38	---	26	28	---
TOTAL		---	1006	1222	1070	1220	1096	1246	990	873	1028	942
MEAN		---	32.5	39.4	38.2	39.4	36.5	40.2	33.0	28.2	33.2	31.4
MAX		---	46	74	53	48	43	56	38	49	68	45
MIN		---	26	31	28	34	35	34	29	24	24	26

01306460 CONNETQUOT BROOK NEAR CENTRAL ISLIP, NY

WATER-QUALITY RECORDS

PERIOD OF RECORD.--June to September 1978.

WATER QUALITY DATA, JUNE TO SEPTEMBER 1978

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)
JUN , 1978 20...	1135	30	99	--	16.0	9.0	25	10	5.7	2.6	8.7

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)
JUN , 1978 20...	1.5	18	--	15	7.5	11	.0	11	65	--	1.9

DATE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO. TOTAL (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
JUN , 1978 20...	--	.01	.02	--	--	--	--	120	40	--

01306500 CONNETQUOT RIVER NEAR OAKDALE, NY

LOCATION.--Lat 40°44'51", long 73°09'03", Suffolk County, Hydrologic Unit 02030202, on left bank just downstream from bridge on State Highway 27, 1.0 mi (1.6 km) west of Oakdale. Water-quality sampling site at base gage.

DRAINAGE AREA.--About 24 mi^2 (62 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1943 to current year (monthly means estimated October 1974 to September 1975).

REVISED RECORDS.--WSP 1141: Drainage area.

GAGE.--Base gage (01306499): Water-stage recorder and wooden stoplog control. Datum of gage is 1.56 ft (0.475 m) National Geodetic Vertical Datum of 1929.
Supplementary gage (01306495): Water-stage recorder with concrete control on left bank of secondary channel 0.25 mi (0.40 km) northeast of base gage at datum 4.74 ft (1.445 m) NGVD. Prior to Aug. 10, 1965, at datum 1.0 ft (0.30 m) higher.

REMARKS.--Records fair. Flow at both gages occasionally regulated by cleaning operations at outlets of ponds above stations. Discharge figures are those of combined flows in main and secondary channels.

AVERAGE DISCHARGE.--35 years, 38.2 ft^3/s (1.082 m^3/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 263 ft^3/s (7.45 m^3/s) Oct. 16, 1955; minimum daily, 16 ft^3/s (0.45 m^3/s) Oct. 13, 1966.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 144 ft^3/s (4.08 m^3/s) Aug. 12; minimum daily 26 ft^3/s (0.74 m^3/s) Oct. 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	31	59	40	58	45	53	45	53	38	38	46
2	33	32	50	38	55	45	52	43	51	38	39	44
3	30	32	45	38	54	45	50	43	50	40	39	43
4	30	32	42	41	53	47	49	45	50	68	43	48
5	28	32	45	41	53	45	49	53	49	54	51	42
6	28	32	58	42	53	43	47	50	48	46	46	42
7	26	34	48	42	70	41	49	47	48	43	45	42
8	28	61	43	45	73	42	48	47	51	42	43	41
9	43	57	46	58	62	44	47	60	50	42	40	41
10	44	48	44	50	50	45	47	58	47	40	39	40
11	37	44	41	43	48	46	48	52	46	38	37	41
12	30	42	39	43	47	47	48	50	46	38	144	45
13	31	41	40	43	49	48	47	49	46	39	89	54
14	33	38	43	66	52	55	46	53	44	39	60	48
15	36	38	52	59	50	65	44	62	43	41	53	44
16	33	37	46	51	49	62	44	59	42	44	50	43
17	32	42	43	47	48	58	48	59	42	42	48	43
18	31	42	43	60	48	57	46	55	43	40	47	43
19	31	37	48	54	48	54	52	52	43	39	45	50
20	39	36	47	59	47	55	63	52	40	38	45	46
21	37	36	69	54	47	58	54	51	41	38	44	44
22	34	36	65	48	47	65	51	50	42	38	44	43
23	33	39	50	47	46	63	49	48	41	37	43	43
24	32	39	47	46	46	61	49	63	41	36	43	42
25	32	38	47	54	45	58	47	81	41	36	43	40
26	33	51	44	116	46	58	47	65	41	36	43	40
27	33	44	42	94	45	73	47	59	39	37	42	40
28	33	40	40	74	45	68	49	57	39	38	44	41
29	33	39	40	68	---	58	49	55	39	37	45	40
30	33	40	39	64	---	57	45	54	39	37	41	40
31	33	---	42	59	---	56	---	53	---	38	42	---
TOTAL	1019	1190	1447	1684	1434	1664	1464	1670	1335	1257	1515	1299
MEAN	32.9	39.7	46.7	54.3	51.2	53.7	48.8	53.9	44.5	40.5	48.9	43.3
MAX	44	61	69	116	73	73	63	81	53	68	144	54
MIN	26	31	39	38	45	41	44	43	39	36	37	40

CAL YR 1977 TOTAL 43274 MEAN 36.4 MAX 69 MIN 25
WTR YR 1978 TOTAL 16978 MEAN 46.5 MAX 144 MIN 26

01306500 CONNETQUOT RIVER NEAR OAKDALE, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--01306499 (Base gage): May 1966 to current year.

COOPERATION.--All water-quality samples were collected and analyzed by Suffolk County Department of Environmental Control.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY (MG/L AS CACO3)
OCT 03...	86	6.4	10.5	7.8	4.0	2.4	6.2	1.0	15
DEC 30...	88	6.7	4.0	10.6	3.9	2.4	7.6	1.1	13
APR 03...	96	6.7	9.0	11.0	4.6	2.5	7.4	1.0	12
JUN 13...	97	6.5	17.0	9.1	5.2	2.5	7.3	.9	13
SEP 28...	86	7.6	14.0	11.6	5.0	2.5	7.3	1.0	16

DATE	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)
OCT 03...	5.3	8.2	<.0	1.0	1.1	.00	.00	.21	.17
DEC 30...	5.7	8.0	<.5	1.3	1.3	.00	.00	.16	.15
APR 03...	7.0	12	<.5	1.4	1.3	.00	.00	.15	.19
JUN 13...	5.8	11	<.5	1.2	1.1	.01	.01	<.05	<.05
SEP 28...	4.2	9.0	<.5	1.4	1.5	.01	.01	.18	.14

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO. TOTAL (MG/L AS P)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
OCT 03...	.40	.02	.01	200	150	40	8.0	.02
DEC 30...	--	.02	.01	190	130	50	4.0	<.02
APR 03...	.30	.02	.00	200	200	40	6.0	.02
JUN 13...	<.10	.01	.00	200	200	120	6.0	<.02
SEP 28...	.20	.01	.00	200	100	10	4.0	<.02

01307000 CHAMPLIN CREEK AT ISLIP, NY

LOCATION.--Lat 40°44'13", long 73°12'08", Suffolk County, Hydrologic Unit 02030202, on right bank just upstream from Long Island Railroad Bridge, 220 ft (67 m) downstream from Moffitt Boulevard, at Islip, and 1.8 mi (2.9 km) upstream from mouth.

DRAINAGE AREA.--About 6.5 mi^2 (16.5 km^2).

PERIOD OF RECORD.--Water years 1966 to current year.

REMARKS.--Partial-record discharge data included in this report.

COOPERATION.--All water-quality samples were collected and analyzed by Suffolk County Department of Environmental Control.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY (MG/L AS CACO3)
OCT 03...	200	6.0	10.5	6.3	9.8	2.8	17	2.5	26
JAN 12...	220	7.6	8.0	7.2	9.0	2.8	20	2.7	49
MAR 31...	208	6.4	11.9	9.3	9.5	2.9	19	2.5	17
JUN 12...	193	6.3	17.0	9.5	9.0	2.9	17	2.4	19
SEP 28...	168	6.9	12.5	7.4	9.2	3.0	17	2.4	22

DATE	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)
OCT 03...	19	24	<.5	1.6	1.6	.02	.02	1.5	1.6
JAN 12...	19	25	<.5	2.2	2.2	.01	.01	1.3	1.3
MAR 31...	18	28	<.5	2.5	2.6	.01	.01	.98	1.0
JUN 12...	17	26	<.5	2.0	--	.04	--	.68	--
SEP 28...	17	22	<.5	2.0	2.1	.02	.02	1.1	1.1

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
OCT 03...	1.6	.02	.01	500	300	800	15	.05
JAN 12...	--	.03	.01	410	290	590	12	.04
MAR 31...	--	.02	.01	400	300	530	10	.04
JUN 12...	1.1	.02	.02	400	300	520	8.0	.03
SEP 28...	1.4	.01	.00	400	300	580	6.0	.03

01307500 PENATAQUIT CREEK AT BAY SHORE, NY

LOCATION.--Lat 40°43'37", long 73°14'41", Suffolk County, Hydrologic Unit 02030202, on right bank just upstream from Union Avenue in Bay Shore, and 4,500 ft (1.372 mi) upstream from mouth.

DRAINAGE AREA.--About 5 mi^2 (13 km^2).

PERIOD OF RECORD.--May 1966 to current year.

REMARKS.--Partial-record discharge data included in this report.

COOPERATION.--All water-quality samples were collected and analyzed by Suffolk County Department of Environmental Control.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY (MG/L AS CACO3)
OCT 03...	350	6.2	11.0	8.1	15	3.5	39	3.5	24
FEB 21...	290	6.5	7.0	9.5	13	3.4	43	3.5	27
MAR 31...	350	6.4	12.0	9.6	15	3.6	41	3.7	29
JUN 29...	365	6.2	17.0	7.5	15	3.6	43	3.3	26
SEP 28...	328	6.9	14.0	6.7	15	3.3	40	3.5	27

DATE	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)
OCT 03...	21	62	<.5	2.8	2.2	.03	.02	.88	.87
FEB 21...	24	63	--	3.5	3.5	.01	.01	1.3	1.3
MAR 31...	23	60	<.5	3.6	3.8	.01	.01	1.2	1.3
JUN 29...	22	63	<.5	3.8	3.7	.03	.05	.94	.29
SEP 28...	20	61	<.5	3.6	3.5	.03	.03	1.1	1.1

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO. TOTAL (MG/L AS P)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
OCT 03...	.90	.03	.00	800	300	870	12	.04
FEB 21...	1.3	.04	.00	1400	450	850	10	.06
MAR 31...	1.0	.01	.00	600	500	800	11	.04
JUN 29...	--	.03	.00	800	300	1000	10	.05
SEP 28...	1.4	.02	.00	700	200	830	9.0	.04

01308000 SAMPAWAMS CREEK AT BABYLON, NY

LOCATION.--Lat 40°42'15", long 73°18'52", Suffolk County, Hydrologic Unit 02030202, on left bank at upstream side of John Street Bridge in Babylon, 180 ft (55 m) downstream from Long Island Railroad, and 0.6 mi (1.0 km) upstream from mouth. Water-quality sampling site at discharge station.
DRAINAGE AREA.--About 23 mi^2 (60 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1944 to current year (monthly means estimated December 1966 to November 1967).
REVISED RECORDS.--WSP 1141: Drainage area: WSP 1702: 1955(M), 1956(M). WRD NY 1974: 1970(P).
GAGE.--Water-stage recorder and concrete control. Datum of gage is 6.36 ft (1.939 m) National Geodetic Vertical Datum of 1929. October 1944 to December 1966, water-stage recorder at site 100 ft (30 m) east and 0.34 ft (0.104 m) higher.
REMARKS.--Records good except those from July to September, which are fair. Flow regulated slightly by pumping operations at railroad and occasionally by ponds above station. Indeterminate effect caused by ground-water pumpage for water-supply purposes at Smith Street substation 0.2 mi (0.3 km) northwest of gage. Prior to November 1950, slight diurnal fluctuation caused by power operations.
AVERAGE DISCHARGE.--34 years, 9.55 ft^3/s (0.270 m^3/s).
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 136 ft^3/s (3.85 m^3/s) Sept. 12, 1960, gage height, 2.11 ft (0.643 m), datum then in use; maximum gage height, 3.28 ft (1.000 m) Feb. 7, 1971; minimum discharge, 1.6 ft^3/s (0.045 m^3/s) June 28, 1963, gage height, 0.13 ft (0.040 m), datum then in use.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 55 ft^3/s (1.56 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Oct. 9	1230	59	1.67	1.35	0.41
Nov. 8	0730	94	2.66	2.01	.61
Dec. 5	1900	60	1.70	1.37	.42
Dec. 21	1300	55	1.56	1.27	.39
Jan. 18	0415	68	1.93	1.51	.46
Jan. 26	1430	a*130	3.68	*2.76	.84
Apr. 13	0130	69	1.95	1.52	0.46
May 24	1815	64	1.81	1.43	.44
June 8	1630	59	1.67	1.34	.41
July 4	0245	77	2.18	1.67	.51
Aug. 12	0930	a113	3.20	2.65	.81

a From rating extended above 80 ft^3/s (2.27 m^3/s).

Minimum discharge, 3.5 ft^3/s (0.099 m^3/s) Oct. 7, 8, Sept. 10; minimum gage height, 0.19 ft (0.058 m) Oct. 7, 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.1	4.5	20	15	19	12	15	11	15	7.9	11	6.1
2	5.5	4.5	11	14	19	12	14	11	14	7.8	7.9	4.2
3	4.5	4.5	10	14	18	13	14	10	14	11	9.4	4.5
4	4.2	4.5	9.1	13	18	12	14	11	14	35	14	4.2
5	3.8	4.8	20	13	18	11	14	15	13	14	9.1	3.8
6	4.2	4.5	13	14	19	11	13	12	13	11	9.4	3.8
7	3.8	8.7	11	13	18	11	10	11	13	10	13	4.2
8	3.8	36	10	14	17	11	11	11	18	9.8	9.1	4.2
9	20	14	12	19	16	12	12	21	14	9.5	8.7	4.5
10	6.5	12	9.6	14	16	12	13	15	13	9.4	8.3	3.5
11	5.2	9.4	9.7	13	15	12	14	12	12	8.8	8.3	4.2
12	4.8	8.4	9.6	14	14	13	14	12	12	8.6	49	11
13	4.5	7.5	9.7	14	14	14	28	12	12	8.8	18	8.3
14	8.3	7.2	14	26	14	19	11	18	12	8.3	11	7.2
15	6.8	7.2	14	16	14	18	10	16	11	8.2	8.7	6.8
16	5.2	7.2	11	15	14	18	12	22	11	8.0	8.7	6.8
17	5.2	13	11	15	14	17	12	16	11	17	8.3	6.8
18	4.5	9.3	11	34	14	15	12	14	11	12	7.9	6.8
19	4.5	8.0	13	20	13	15	18	14	11	8.7	7.6	14
20	13	7.6	11	19	13	15	16	14	10	8.2	7.2	8.3
21	7.2	7.5	27	17	13	15	14	13	10	9.4	6.8	7.6
22	6.5	7.3	18	16	13	16	12	13	11	10	6.5	6.8
23	5.8	9.9	16	16	13	15	12	14	10	9.8	6.1	6.5
24	5.5	8.3	15	15	13	15	14	33	9.8	9.4	5.8	6.1
25	5.5	8.3	16	28	13	14	12	25	9.5	9.1	5.5	6.1
26	6.1	13	15	77	13	15	11	18	9.5	9.1	5.2	6.1
27	5.5	7.9	14	28	12	23	12	17	9.5	9.1	4.5	6.1
28	5.2	7.6	14	22	12	18	11	16	9.1	11	7.6	6.1
29	4.5	7.9	14	21	---	16	12	16	8.5	9.4	5.5	5.8
30	4.8	9.3	14	20	---	15	12	17	8.3	9.1	4.5	5.8
31	4.5	---	16	20	---	15	---	16	---	9.8	4.8	---
TOTAL	185.5	269.8	418.7	609	419	450	399	476	349.2	327.2	297.4	186.2
MEAN	5.98	8.99	13.5	19.6	15.0	14.5	13.3	15.4	11.6	10.6	9.59	6.21
MAX	20	36	27	77	19	23	28	33	18	35	49	14
MIN	3.8	4.5	9.1	13	12	11	10	10	8.3	7.8	4.5	3.5

CAL YR 1977 TOTAL 2827.7 MEAN 7.75 MAX 36 MIN 2.4
WTR YR 1978 TOTAL 4387.0 MEAN 12.0 MAX 77 MIN 3.5

01308000 SAMPAWAMS CREEK AT BABYLON, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 1966 to current year.

COOPERATION.--All water-quality samples were collected and analyzed by Suffolk County Department of Environmental Control.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY (MG/L AS CACO3)
OCT 03...	245	6.1	12.0	6.6	13	3.3	22	3.8	20
JAN 17...	250	7.2	6.5	14.2	11	3.3	25	3.7	28
MAR 31...	230	6.4	11.2	8.6	11	3.3	19	3.3	26
JUN 16...	230	7.1	17.0	9.1	11	3.4	19	3.1	25

DATE	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)
OCT 03...	25	30	<.5	3.3	2.8	.07	.07	.78	.75
JAN 17...	24	32	<.5	2.9	2.9	.01	.01	2.0	1.9
MAR 31...	23	27	<.5	2.9	2.9	.01	.01	1.8	1.8
JUN 16...	23	28	<.5	2.4	2.4	.04	.04	1.4	1.5

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO. TOTAL (MG/L AS P)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
OCT 03...	.90	.01	.00	500	350	800	13	.09
JAN 17...	--	.02	.00	630	450	950	6.0	.09
MAR 31...	1.7	.02	.00	900	600	1150	12	.07
JUN 16...	3.3	.03	.00	1000	600	770	10	.07

01308500 CARLLS RIVER AT BABYLON, NY

LOCATION.--Lat 40°42'31", long 73°19'44", Suffolk County, Hydrologic Unit 02030202, on left bank in Babylon, 130 ft (40 m) downstream from outlet of Southards Pond and 0.9 mi (1.4 km) upstream from mouth. Water-quality sampling site at discharge station.

DRAINAGE AREA.--About 35 mi^2 (91 km^2).

WATER-DISCHARGE RECORDS

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

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

GAGE.--Water-stage recorder and concrete control. Datum of gage is 10.63 ft (3.240 m) NGVD.

REMARKS.--Records good. Occasional regulation at outlet of Southards Pond.

AVERAGE DISCHARGE.--34 years, 26.3 ft^3/s (0.745 m^3/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 238 ft^3/s (6.74 m^3/s) Jan. 26, 1978, gage height, 2.23 ft (0.680 m); minimum, 0.05 ft^3/s (0.001 m^3/s) Sept. 4, 1963, July 6, 1966, Aug. 29, 1972 (result of regulation); minimum gage height, 0.03 ft (0.009 m), July 6, 1966, Aug. 29, 1972 (result of regulation); minimum daily discharge, 4.5 ft^3/s (0.13 m^3/s) July 6, 1966.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 238 ft^3/s (6.74 m^3/s) Jan. 26, gage height, 2.23 ft (0.680 m); minimum, 14 ft^3/s (0.40 m^3/s) July 30, gage height, 0.54 ft (0.165 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	29	68	38	52	36	38	38	38	22	20	29
2	30	33	49	36	51	35	37	38	39	21	20	24
3	29	32	44	35	51	36	37	38	40	22	21	20
4	27	34	43	34	49	36	39	35	40	89	23	21
5	28	35	54	33	48	34	43	51	38	41	33	20
6	28	35	74	35	49	35	40	46	39	33	29	23
7	30	43	53	38	51	36	38	40	40	32	28	24
8	29	138	47	37	49	37	39	38	49	26	25	20
9	68	85	50	52	48	37	37	61	44	26	22	22
10	55	60	48	41	47	35	35	60	34	27	21	21
11	37	55	40	37	46	35	35	46	34	26	20	19
12	39	51	40	37	45	38	37	44	34	24	122	20
13	37	46	37	39	45	42	34	43	36	23	98	39
14	35	44	47	71	46	49	33	47	32	22	44	26
15	46	44	68	50	44	70	34	67	30	34	34	22
16	39	44	50	44	43	54	34	69	30	34	30	26
17	40	52	42	43	42	50	34	70	30	31	30	22
18	34	54	43	104	41	46	34	52	31	31	31	25
19	29	44	50	65	41	45	42	49	31	29	29	36
20	51	44	40	60	40	49	58	48	29	27	23	27
21	43	45	76	53	40	55	41	46	29	23	24	24
22	35	45	64	49	40	58	37	41	28	19	27	23
23	29	49	46	48	40	55	35	45	25	19	26	23
24	31	47	43	47	39	52	34	54	23	22	24	22
25	34	42	44	65	39	46	35	96	22	22	25	22
26	34	51	43	205	37	47	36	52	22	22	22	21
27	34	46	41	101	37	73	36	41	22	20	24	21
28	34	42	44	68	37	62	37	40	23	22	22	21
29	34	39	44	58	---	50	39	37	20	18	26	20
30	30	38	41	55	---	46	38	36	21	15	22	20
31	29	---	41	52	---	42	---	37	---	17	27	---
TOTAL	1106	1446	1514	1730	1237	1421	1126	1505	953	839	972	703
MEAN	35.7	48.2	48.8	55.8	44.2	45.8	37.5	48.5	31.8	27.1	31.4	23.4
MAX	68	138	76	205	52	73	58	96	49	89	122	39
MIN	27	29	37	33	37	34	33	35	20	15	20	19

CAL YR 1977 TOTAL 10238.9 MEAN 28.1 MAX 138 MIN 9.9
WTR YR 1978 TOTAL 14552.0 MEAN 39.9 MAX 205 MIN 15

01308500 CARLLS RIVER AT BABYLON, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD. May 1966 to current year.

COOPERATION.--All water-quality samples were collected and analyzed by Suffolk County Department of Environmental Control.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY (MG/L AS CACO3)
OCT 03...	235	6.1	11.5	9.9	11	2.8	20	3.8	25
JAN 17...	340	7.2	6.0	15.6	12	3.4	36	4.4	24
MAR 29...	230	6.6	12.5	9.8	12	3.3	21	3.4	22
JUN 14...	251	6.8	15.0	10.0	11	3.3	23	3.3	21
SEP 28...	224	7.3	16.5	9.1	11	3.3	23	3.8	19

DATE	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)
OCT 03...	26	25	<.5	1.8	1.8	.01	.01	1.9	1.9
JAN 17...	28	49	<.5	4.5	4.5	.01	.01	2.1	2.0
MAR 29...	27	31	<.5	3.8	3.6	.01	.01	1.7	1.8
JUN 14...	29	31	<.5	3.1	3.0	.03	.03	1.9	1.9
SEP 28...	27	30	<.5	3.2	3.1	.03	.03	--	.57

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO. TOTAL (MG/L AS P)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
OCT 03...	2.0	.00	<.00	350	200	1050	13	.13
JAN 17...	--	.01	.00	290	160	920	5.0	.08
MAR 29...	1.6	.01	.00	300	200	640	19	.06
JUN 14...	2.0	.01	.00	400	400	800	8.0	.07
SEP 28...	.90	.00	<.00	200	100	190	5.0	.04

01309000 SANTAPOGUE CREEK AT LINDENHURST, NY

LOCATION.--Lat 40°41'30", long 73°21'20", Suffolk County, Hydrologic Unit 02030202, on left bank just upstream from East Hoffman Avenue bridge, 1.0 mi (1.6 km) east of Long Island Railroad station in Lindenhurst, and 1.5 mi (2.4 km) upstream from mouth.

DRAINAGE AREA.--About 7 mi^2 (18 km^2).

PERIOD OF RECORD.--Water years 1966 to current year.

REMARKS.--Partial-record discharge data included in this report.

COOPERATION.--All water-quality samples were collected and analyzed by Suffolk County Department of Environmental Control.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY (MG/L AS CACO3)
OCT 05...	300	6.0	11.5	6.4	16	4.3	25	5.0	37
JAN 17...	390	7.6	6.0	11.7	16	4.9	38	7.8	65
MAR 29...	430	6.7	15.0	9.0	21	5.8	45	11	82
JUN 29...	412	6.4	20.0	5.8	20	5.4	42	9.5	67

DATE	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)
OCT 05...	38	37	<.5	2.1	2.2	.01	.01	2.0	2.0
JAN 17...	38	49	<.5	1.5	1.5	.01	.01	4.3	4.3
MAR 29...	36	59	<.5	1.7	1.6	.02	.02	3.2	3.3
JUN 29...	33	59	<.5	2.5	2.6	.16	.16	5.0	5.0

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO. TOTAL (MG/L AS P)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
OCT 05...	2.5	.01	.00	500	300	1900	20	.08
JAN 17...	--	.03	.00	900	650	2000	7.0	.07
MAR 29...	6.2	.01	.00	500	400	2600	18	.07
JUN 29...	4.9	.02	.00	600	300	2600	19	.10

01309500 MASSAPEQUA CREEK AT MASSAPEQUA, NY

LOCATION.--Lat 40°41'20", long 73°27'19", Nassau County, Hydrologic Unit 02030202, on left bank 350 ft (107 m) west of Garfield Street at Lake Shore Drive, Massapequa, 0.2 mi (0.3 km) north of Massapequa Park, and 3,000 ft (914 m) upstream from Clark Avenue Bridge and head of Massapequa Pond of Brooklyn water-supply system. Water-quality sampling site at discharge station.

DRAINAGE AREA.--About 38 mi^2 (98 km^2).

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1411: Drainage area. WRD NY 1970: 1966 to 69 (M).

GAGE.--Water-stage recorder and concrete control. Datum of gage is 18.31 ft (5.581 m) National Geodetic Vertical Datum of 1929. Prior to October 1903, non-recording gage at different datum. December 1936 to March 1961 at same site at datum 1.0 ft (0.30 m) higher.
REMARKS.--Records good. Discharge during part of the year was significantly supplemented by dewatering activities connected with sewer construction throughout the basin.
AVERAGE DISCHARGE.-- 41 years (1937-78), 11.3 ft^3/s (0.320 m^3/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 387 ft^3/s (11.0 m^3/s) July 20, 1961, gage height, 2.28 ft (0.695 m); minimum, 0.95 ft^3/s (0.027 m^3/s) Aug. 4, 1963, Nov. 2, 1965, Jan. 8, 1977 (result of freezeup); minimum gage height, 0.32 ft (0.098 m), datum then in use, Aug. 1, 1954.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 110 ft^3/s (3.12 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Oct. 20	0700	115	3.26	1.52	0.463
Nov. 8	0845	a*315	8.92	*2.05	.625
Dec. 1	0445	137	3.88	1.60	.488
Dec. 5	1930	134	3.79	1.59	.485
Dec. 21	1345	117	3.31	1.53	.466
Jan. 26	0445	a295	8.35	2.01	0.613
May 24	1545	143	4.05	1.62	.494
July 4	0300	183	5.18	1.74	.530
Aug. 12	1030	a209	5.92	1.81	.552

a From rating extended above 170 ft^3/s (4.81 m^3/s).

Minimum discharge, 4.3 ft^3/s (0.12 m^3/s) Oct. 4-8, gage height, 0.68 ft (0.207 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.7	5.4	44	13	29	16	20	20	20	6.7	6.3	9.0
2	7.7	5.4	18	13	28	16	19	21	19	6.7	5.8	8.6
3	4.9	5.8	15	12	26	16	17	20	19	9.4	5.8	9.0
4	4.6	5.8	12	12	25	16	18	20	20	53	24	8.6
5	4.3	6.7	38	12	25	16	20	28	18	11	9.5	8.6
6	4.3	7.7	22	12	26	16	17	20	17	9.5	7.7	8.6
7	4.3	18	15	12	28	16	18	19	17	9.0	12	8.6
8	4.3	122	14	14	27	16	17	19	22	8.6	7.7	8.6
9	39	22	17	22	26	16	16	41	19	8.1	7.2	9.5
10	9.0	19	13	14	25	16	16	22	16	7.7	6.7	9.0
11	6.7	16	12	13	24	17	17	20	15	7.7	6.3	9.5
12	6.3	15	12	12	22	19	18	20	14	7.2	51	16
13	5.8	14	12	12	21	20	16	20	14	6.7	16	13
14	13	13	30	40	20	33	16	36	14	6.7	9.0	9.5
15	13	13	20	15	19	29	15	24	13	9.5	8.1	9.5
16	7.2	12	15	14	19	26	15	29	13	7.7	7.7	10
17	8.1	27	14	14	19	24	14	22	12	11	7.2	9.5
18	6.3	16	14	70	19	21	14	20	12	7.7	6.7	11
19	6.3	14	20	20	18	22	37	20	12	7.2	6.3	21
20	45	13	14	20	17	21	28	19	11	6.7	6.3	13
21	9.5	13	47	17	17	21	26	18	9.5	6.7	5.8	12
22	8.1	13	19	16	17	24	25	17	13	6.3	5.4	12
23	7.2	20	16	16	17	21	22	17	9.0	6.3	5.4	12
24	6.7	16	16	15	17	20	21	56	8.6	6.3	5.4	12
25	6.7	15	17	51	17	20	22	28	8.1	5.8	5.4	12
26	7.2	28	15	189	17	20	21	24	8.1	5.4	5.4	12
27	6.7	16	14	54	16	41	21	22	8.1	5.4	4.9	12
28	6.3	15	13	42	16	24	23	22	7.2	6.7	7.7	12
29	5.8	14	13	34	---	21	22	21	7.2	5.8	5.8	12
30	5.8	15	12	31	---	20	22	20	6.7	5.4	5.4	11
31	5.8	---	16	30	---	19	---	20	---	5.4	5.8	---
TOTAL	282.6	535.8	569	861	597	643	593	725	402.5	273.3	279.7	329.1
MEAN	9.12	17.9	18.4	27.8	21.3	20.7	19.8	23.4	13.4	8.82	9.02	11.0
MAX	45	122	47	189	29	41	37	56	22	53	51	21
MIN	4.3	5.4	12	12	16	16	14	17	6.7	5.4	4.9	8.6

CAL YR 1977 TOTAL 3996.2 MEAN 10.9 MAX 122 MIN 3.4
WTR YR 1978 TOTAL 6091.0 MEAN 16.7 MAX 189 MIN 4.3

01309500 MASSAPEQUA CREEK AT MASSAPEQUA, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 1966 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)
DEC 20...	1230	14	355	6.3	8.5	10.5	66	36	20	3.9	30
MAR 29...	1230	21	325	6.3	15.5	12.4	66	49	20	3.8	29
JUN 30...	1015	7.2	315	6.6	21.0	8.3	63	47	19	3.8	27
SEP 21...	1030	12	280	6.0	16.0	5.7	58	44	17	3.7	26

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)
DEC 20...	4.6	36	0	30	41	38	.0	9.5	165	6.1	6.4
MAR 29...	4.5	20	0	16	43	38	.0	8.8	181	5.5	5.5
JUN 30...	4.6	20	0	16	41	34	.1	8.2	176	6.2	6.3
SEP 21...	4.7	17	0	14	38	38	.0	7.1	166	5.0	5.1

DATE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
DEC 20...	.02	.02	2.6	2.7	8.8	.01	.00	270	1200	.20
MAR 29...	.02	.02	2.1	2.2	7.7	.01	.00	320	1300	.10
JUN 30...	.20	.20	1.6	1.9	8.3	.02	.00	180	440	.10
SEP 21...	.03	.03	.44	.90	5.9	.01	.00	230	700	.10

01310000 BELLMORE CREEK AT BELLMORE, NY

LOCATION.--Lat 40°40'43", long 73°30'58", Nassau County, Hydrologic Unit 02030202, on right bank 40 ft (12 m) east of intersection of Valentine Place and Mill Road, in Bellmore, 0.5 mi (0.8 km) north of Sunrise Highway, and 0.5 mi (0.8 km) northwest of Wantagh. Water-quality sampling site at base gage.

DRAINAGE AREA.--About 17 mi^2 (44 km^2).

WATER-DISCHARGE RECORDS

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

GAGE.--Base gage (01309950): Water-stage recorder. Concrete control since July 24, 1974. Datum of gage is 15.06 ft (4.590 m) National Geodetic Vertical Datum of 1929. June to October 1883, determination of flow by various methods at different site and datum. July to October 1903, nonrecording gages on two channels near present site at different datum. Sept. 23, 1937, to Aug. 1, 1958, water-stage recorder with concrete control on right bank of present secondary channel about 1,000 ft (305 m) east at datum 1.88 ft (0.573 m) higher (used as supplementary gage since Aug. 1, 1958).

Supplementary gage (01309990): Water-stage recorder with concrete control on right bank of secondary channel about 1,000 ft (305 m) east of base gage at datum 16.96 ft (5.169 m) National Geodetic Vertical Datum of 1929. Prior to July 28, 1965, at datum 2.00 ft (0.610 m) higher. From July 28, 1965 to Oct. 6, 1965, at datum 1.00 ft (0.305 m) higher.

REMARKS.--Records good. Prior to Nov. 4, 1955, flow at all stages regulated intermittently at outlet of Wantagh Reservoir, 1.0 mi (1.6 km) above station, and prior to November 1953 by Browning Pond, 0.5 mi (0.8 km) above station. Subsequent to Nov. 3, 1955, permanent diversion of a substantial portion of the flow through west branch of Bellmore Creek. Discharge figures given are those of combined flows in main and secondary channels. Discharge was affected by dewatering activities connected with sewer construction.

AVERAGE DISCHARGE.--41 years (1937-78), 10.6 ft^3/s (0.300 m^3/s).

EXTREMES FOR PERIOD OF RECORD (1903 AND SINCE 1937).--Maximum daily discharge, 162 ft^3/s (4.59 m^3/s) Sept. 12, 1960; maximum discharge prior to begininning of diversion in November 1955, 340 ft^3/s (9.63 m^3/s) June 1, 1952, adjusted to include flow bypassing station; maximum gage height, 4.57 ft (1.393 m) June 1, 1952; minimum daily discharge 0.73 ft^3/s (0.021 m^3/s) July 3, 1976 (affected by pumpage).

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 124 ft^3/s (3.51 m^3/s) Jan. 26; minimum daily, 3.1 ft^3/s (0.088 m^3/s) July 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	6.7	43	11	21	14	23	14	12	7.3	5.6	12
2	12	6.6	21	11	21	13	21	16	11	6.2	6.5	8.6
3	8.8	6.5	19	10	20	14	22	16	11	13	4.7	8.1
4	8.3	6.1	20	10	19	14	22	17	11	37	16	8.9
5	8.1	4.8	39	10	19	12	20	20	11	12	6.3	8.8
6	8.3	5.2	26	10	21	12	18	8.9	13	12	5.0	8.4
7	8.6	12	21	9.8	19	12	18	7.3	13	11	9.6	8.4
8	9.1	95	20	12	17	12	18	9.6	18	8.5	5.6	7.8
9	34	24	22	22	17	13	18	23	14	8.0	4.8	4.4
10	12	19	20	12	17	13	18	11	11	7.7	4.9	3.9
11	10	15	20	10	16	14	18	11	8.8	8.3	6.1	6.1
12	10	14	21	9.8	16	16	18	10	12	9.6	43	11
13	9.8	14	23	10	16	16	17	10	14	7.4	20	6.3
14	18	14	38	32	16	26	14	28	13	7.0	8.2	3.3
15	13	18	22	12	15	21	15	15	12	9.1	8.0	3.4
16	7.0	20	19	11	16	23	14	17	12	8.8	7.5	3.6
17	8.4	33	20	11	16	27	14	14	8.4	10	7.2	3.3
18	6.7	18	22	73	16	26	14	14	7.1	5.1	6.6	4.4
19	5.0	18	25	17	16	26	34	10	12	7.7	6.2	15
20	45	16	19	17	15	26	26	9.6	11	11	6.1	5.1
21	9.0	18	45	15	15	29	20	9.8	10	11	5.4	4.5
22	8.3	16	20	14	15	29	16	8.6	11	6.6	9.1	4.6
23	8.0	23	15	14	14	22	17	8.8	9.3	5.2	10	4.1
24	8.0	21	12	14	14	22	16	35	7.2	7.1	8.6	4.2
25	7.9	20	12	46	14	22	15	15	6.6	6.8	8.0	4.0
26	8.1	26	10	124	14	24	15	14	8.6	6.5	7.7	3.6
27	7.8	19	9.4	30	14	39	15	13	11	4.9	5.1	3.7
28	7.9	19	9.5	26	14	25	15	12	9.9	5.7	11	4.6
29	8.0	21	9.1	25	---	24	15	12	9.4	3.4	8.7	4.0
30	8.1	21	10	24	---	23	14	12	8.9	3.1	8.1	4.0
31	7.4	---	13	22	---	23	---	12	---	4.1	8.9	---
TOTAL	340.6	569.9	645.0	674.6	463	632	540	433.6	327.2	271.1	278.5	182.1
MEAN	11.0	19.0	20.8	21.8	16.5	20.4	18.0	14.0	10.9	8.75	8.98	6.07
MAX	45	95	45	124	21	39	34	35	18	37	43	15
MIN	5.0	4.8	9.1	9.8	14	12	14	7.3	6.6	3.1	4.7	3.3

CAL YR 1977 TOTAL 3635.9 MEAN 9.96 MAX 95 MIN 2.3
WTR YR 1978 TOTAL 5357.6 MEAN 14.7 MAX 124 MIN 3.1

01310000 BELLMORE CREEK AT BELLMORE, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--01309950 (Base gage): April 1966 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)
DEC 28...	0915	17	360	6.2	5.0	7.2	69	39	22	3.4	29
MAR 29...	1115	18	340	6.2	15.0	10.2	61	41	19	3.2	32
JUN 30...	0900	5.0	350	6.6	21.0	11.1	64	45	20	3.3	35
SEP 21...	0930	3.4	340	6.3	16.5	4.4	68	41	21	3.8	30

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)
DEC 28...	5.1	37	0	30	42	38	.0	9.9	168	6.0	6.4
MAR 29...	4.4	24	0	20	40	41	.0	11	192	6.9	6.7
JUN 30...	4.4	22	0	18	39	50	.0	8.2	200	6.8	6.4
SEP 21...	6.0	33	0	27	39	39	.0	8.1	194	6.7	6.8

DATE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
DEC 28...	.02	.02	3.0	3.0	9.0	.02	.00	540	1200	.10
MAR 29...	.03	.02	1.5	1.7	8.6	.00	.00	260	750	.10
JUN 30...	.13	.12	1.0	1.3	8.2	.02	.00	190	220	.10
SEP 21...	.18	.18	1.7	1.9	8.8	.01	.00	260	1000	.10

01310500 EAST MEADOW BROOK AT FREEPORT, NY

LOCATION.--Lat 40°39'56", long 73°34'13", Nassau County, Hydrologic Unit 02030202, on right bank in Freeport, 24 ft (7 m) upstream from bridge on Hempstead-Babylon Turnpike and 400 ft (122 m) west of Meadowbrook Parkway. Water-quality sampling site at discharge station.
DRAINAGE AREA.--About 31 mi^2 (80 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1851 to December 1852, June to October 1883, September and October 1885 (fragmentary), June to October 1903, published in Professional Paper 44, January 1937 to current year (monthly means estimated November 1962 to December 1963).
REVISED RECORDS.--NY 1972: 1967-71 (P).
GAGE.--Water-stage recorder and concrete control. Datum of gage is 10.45 (3.185 m) National Geodetic Vertical Datum of 1929. Prior to October 1885, determinations of flow by various methods at different site and datum. June to October 1903, weir in swamp at head of Brooklyn waterworks supply pond. January 1937 to November 1962, water-stage recorder and concrete control at site 81 ft (25 m) east and at datum 0.47 ft (0.143 m) higher.
REMARKS.--Records good.
AVERAGE DISCHARGE.--41 years (1937-78), 14.9 ft^3/s (0.422 m^3/s).
EXTREMES FOR PERIOD OF RECORD (1903 AND SINCE 1937).--Maximum discharge, 835 ft^3/s (23.6 m^3/s) Sept. 12, 1960, gage height, 4.38 ft (1.335 m), datum then in use, from rating curve extended above 280 ft^3/s (7.93 m^3/s) on basis of flow-through-culvert and contracted-opening measurement of peak flow; no flow Aug. 26, 1971.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 250 ft^3/s (7.08 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Oct. 20	0700	296	8.38	1.92	0.585	Jan. 26	0600	561	15.9	2.82	0.860
Nov. 8	1230	*599	17.0	*2.94	.896	May 14	1730	273	7.73	1.83	.558
Jan. 18	0715	435	12.3	2.40	.732						

Minimum, 2.6 ft^3/s (0.074 m^3/s) Oct. 8, gage height, 0.24 ft (0.073 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.7	7.0	55	15	25	17	20	17	22	11	14	17
2	12	6.9	15	15	24	17	19	17	20	11	14	7.7
3	5.2	6.7	15	15	23	18	18	17	18	20	13	7.3
4	4.0	6.6	14	14	23	17	19	19	18	80	39	7.3
5	3.3	6.8	42	15	22	17	25	32	18	18	18	6.8
6	3.3	6.6	22	14	25	16	19	18	18	15	17	6.4
7	2.9	24	15	14	23	16	20	17	19	14	31	6.4
8	2.9	252	14	18	21	16	18	17	36	12	15	6.0
9	52	28	17	36	21	17	18	58	21	12	14	6.8
10	10	23	14	15	21	17	17	23	18	12	12	6.4
11	6.4	17	13	15	21	20	19	20	17	10	13	6.4
12	5.4	15	13	14	21	23	24	20	18	10	48	23
13	5.0	14	14	15	20	23	19	16	19	9.8	42	16
14	14	13	45	59	21	42	18	82	17	10	15	7.7
15	27	13	25	15	20	31	18	39	16	14	14	6.4
16	8.0	12	15	15	20	26	18	40	16	11	14	6.8
17	15	35	15	16	20	24	17	29	15	18	12	8.2
18	7.3	18	15	157	19	20	18	25	16	10	12	8.7
19	6.4	14	23	28	19	21	60	23	19	10	7.7	35
20	97	13	15	24	18	20	37	23	18	13	7.3	8.2
21	13	13	64	20	18	20	22	22	18	12	9.3	6.8
22	9.7	13	18	19	19	23	20	22	26	14	9.3	6.4
23	8.4	24	15	18	19	20	19	23	17	13	6.8	7.3
24	7.9	14	15	18	19	19	18	95	14	12	6.4	7.7
25	7.6	13	15	80	19	18	18	38	13	12	6.4	7.3
26	9.5	26	15	301	18	24	18	28	17	12	6.4	6.4
27	8.2	14	15	46	18	59	18	21	15	13	6.0	6.4
28	7.4	14	15	34	17	23	18	20	14	14	12	7.3
29	7.1	14	15	30	---	25	17	19	13	11	7.7	6.8
30	7.0	15	15	28	---	23	17	24	14	11	6.8	6.8
31	7.0	---	16	25	---	20	---	21	---	13	8.2	---
TOTAL	387.6	691.6	634	1148	574	692	626	885	540	457.8	457.3	273.7
MEAN	12.5	23.1	20.5	37.0	20.5	22.3	20.9	28.5	18.0	14.8	14.8	9.12
MAX	97	252	64	301	25	59	60	95	36	80	48	35
MIN	2.9	6.6	13	14	17	16	17	16	13	9.8	6.0	6.0

CAL YR 1977 TOTAL 4042.5 MEAN 11.1 MAX 252 MIN 2.0
WTR YR 1978 TOTAL 7367.0 MEAN 20.2 MAX 301 MIN 2.9

01310500 EAST MEADOW BROOK AT FREEPORT, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1966 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)
DEC											
28...	1015	15	460	6.5	4.5	10.0	78	47	23	4.9	48
MAR											
29...	1015	21	480	6.4	12.0	8.6	75	55	22	4.8	55
JUN											
29...	1115	12	390	6.9	21.0	7.3	71	42	21	4.5	40
SEP											
20...	1230	8.2	255	6.6	17.0	7.0	49	24	14	3.4	28

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)
DEC											
28...	3.7	37	0	30	38	75	.0	8.4	219	4.8	1.9
MAR											
29...	3.4	24	0	20	35	87	.0	7.9	248	4.6	4.7
JUN											
29...	4.0	35	0	29	36	63	.0	7.9	223	6.3	6.6
SEP											
20...	2.8	30	0	25	21	44	.0	4.5	141	1.9	1.9

DATE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO. TOTAL (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
DEC										
28...	.02	.01	.76	1.0	5.8	.02	.00	470	450	.10
MAR										
29...	.03	.03	.66	1.1	5.7	.00	.00	500	370	.10
JUN										
29...	.12	.12	.33	.53	6.9	.01	.00	240	130	.10
SEP										
20...	.05	.04	.38	.70	2.6	.03	.00	500	290	.10

01311000 PINES BROOK AT MALVERNE, NY

LOCATION.--Lat 40°39'59", long 73°39'35", Nassau County, on left bank 300 ft (91 m) downstream from Lakeview Avenue and southern boundary of Malverne. Water-quality sampling site at discharge station.
DRAINAGE AREA.--About 10 mi^2 (26 km^2).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--1851-52, 1856-57, 1885, 1894 (fragmentary in Professional Paper 44); December 1936 to current year (monthly means estimated March to September 1970).
REVISED RECORDS.--WSP 1432: 1937, 1940.
GAGE.--Water-stage recorder with steel plate V-notch weir and concrete controls. Datum of gage is 7.11 ft (2.167 m) National Geodetic Vertical Datum of 1929 (Nassau County bench mark). Prior to 1894, determinations of flow by various methods, at different sites and datums. December 1936 to Oct. 1, 1970, at site 200 ft (61 m) upstream and at datum 2.31 ft (0.704 m) higher. Oct. 1, 1970 to May 31, 1972, supplementary gage on secondary channel 10 ft (3 m) downstream at same datum.
REMARKS.--Records good. Prior to Feb. 20, 1956, flow occasionally regulated by Pines Pond. Indeterminate diversion from Pines Pond for emergency municipal water supply for City of New York, August 1953 to September 1954.
AVERAGE DISCHARGE.--41 years (1937-78), 3.98 ft^3/s (0.113 m^3/s).
EXTREMES FOR PERIOD OF RECORD (SINCE 1936).--Maximum discharge, 386 ft^3/s (10.9 m^3/s) Jan. 18, 1978, gage height, 4.53 ft (1.381 m); no flow part of Sept. 12, 1963, and at times from 1964 to 1975, 1977.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 125 ft^3/s (3.54 m^3/s) and maximum (*):

Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
Oct. 20	0530	142	4.02	3.78	1.15	May 14	1730	129	3.65	3.72	1.13
Nov. 8	0900	238	6.74	4.11	1.25	July 4	0215	185	5.24	3.94	1.20
Jan. 18	0515	*386	10.9	*4.53	1.38	Sept. 19	0600	131	3.71	3.73	1.14
Jan. 26	0245	232	6.57	4.09	1.25						

Minimum, 0.09 ft^3/s (0.003 m^3/s), Sept. 7, gage height, 2.14 ft (0.65 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.62	.30	16	1.0	1.6	1.1	1.3	.70	1.3	.82	.36	2.0
2	2.3	.30	.92	1.0	1.6	1.0	1.1	.76	1.2	.82	.29	.22
3	.19	.30	.82	1.0	1.5	1.1	1.0	.70	1.1	15	.30	.22
4	.17	.31	.80	.92	1.5	1.1	1.1	1.5	1.2	38	7.2	.19
5	.18	.31	12	.89	1.5	1.0	2.0	7.5	1.0	.54	.38	.19
6	.18	.28	2.3	.88	1.5	1.0	1.1	3.0	1.2	.44	1.3	.19
7	.17	12	.82	.84	1.5	.98	1.3	2.1	1.1	.54	5.0	.17
8	.18	96	.70	1.8	1.5	.94	1.0	.64	12	.44	.34	.21
9	19	1.4	1.2	8.8	1.4	1.1	1.1	14	1.5	.40	.31	.21
10	.32	4.0	.59	.83	1.3	1.1	1.2	2.1	.98	.36	.29	.19
11	.25	1.1	.64	.76	1.3	1.6	1.6	1.1	1.1	.33	.27	.30
12	.24	.64	.64	.76	1.3	2.0	1.8	1.1	1.7	.31	6.9	14
13	.23	.54	.68	1.1	1.3	2.0	1.1	1.1	1.4	.37	4.0	3.5
14	1.8	.54	9.7	20	1.3	9.5	1.0	36	.76	.39	.35	3.0
15	8.5	.54	2.1	1.1	1.2	2.3	1.1	4.0	.76	.76	.32	3.2
16	.37	.54	.88	.88	1.2	1.9	1.1	7.1	.70	.44	.31	3.2
17	1.1	7.9	1.0	1.1	1.2	1.7	1.1	2.0	.64	1.3	.27	2.2
18	.31	1.0	1.7	89	1.2	1.4	1.1	1.7	.70	.42	.24	.78
19	.35	.59	4.2	2.1	1.2	1.7	24	1.6	.64	.35	.22	14
20	31	.54	.79	1.7	1.2	2.0	6.2	1.6	.59	.33	.22	.27
21	.43	.54	15	1.4	1.3	2.0	3.2	1.6	2.8	.31	.22	.27
22	.37	.59	1.1	1.3	1.5	2.2	3.2	1.3	4.0	.29	.35	.27
23	.35	5.4	.95	1.2	1.4	2.1	3.1	1.2	.59	.31	.19	.24
24	.33	.64	1.0	1.2	1.2	2.1	2.8	36	.49	.28	.18	.21
25	.35	.59	1.1	38	1.2	2.1	2.8	3.6	.49	.24	.17	.21
26	.39	4.9	.93	94	1.1	2.6	3.2	1.7	.59	.27	.17	.21
27	.31	.54	.88	3.1	1.1	15	3.5	1.6	.59	.32	.16	.21
28	.31	.54	.83	2.4	1.1	1.7	2.6	1.6	.44	.37	.76	.22
29	.29	.70	.76	1.9	---	2.0	.82	1.5	.54	.35	.19	.22
30	.28	1.6	1.0	1.8	---	1.7	.76	1.5	.76	.32	.17	.22
31	.29	---	1.4	1.7	---	1.5	---	1.4	---	.33	.24	---
TOTAL	71.16	145.17	83.43	284.46	37.2	71.52	78.28	143.30	42.86	65.75	31.67	50.52
MEAN	2.30	4.84	2.69	9.18	1.33	2.31	2.61	4.62	1.43	2.12	1.02	1.68
MAX	31	96	16	94	1.6	15	24	36	12	38	7.2	14
MIN	.17	.28	.59	.76	1.1	.94	.76	.64	.44	.24	.16	.17

CAL YR 1977 TOTAL 738.38 MEAN 2.02 MAX 96 MIN .00
WTR YR 1978 TOTAL 1105.32 MEAN 3.03 MAX 96 MIN .16

01311000 PINES BROOK AT MALVERNE, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--May 1966 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)
DEC											
28...	1130	.88	310	6.1	5.0	8.5	93	62	27	6.1	20
MAR											
29...	0915	.39	375	6.4	11.0	8.5	89	51	26	5.9	33
JUN											
29...	1015	.35	400	6.8	20.5	8.4	92	50	26	6.5	35
SEP											
20...	1030	.27	340	7.1	16.0	7.9	83	38	23	6.1	32

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)
DEC											
28...	3.9	37	0	30	49	31	.0	9.7	165	4.2	2.3
MAR											
29...	3.4	47	0	39	43	55	.0	8.8	206	3.1	1.8
JUN											
29...	4.4	51	0	42	49	56	.0	8.8	221	3.0	2.3
SEP											
20...	4.8	54	0	44	40	46	.0	7.6	196	2.0	2.1

DATE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
DEC										
28...	.02	.01	.43	.79	5.0	.02	.00	270	1100	.10
MAR										
29...	.02	.00	.30	.68	3.8	.00	.00	350	880	.10
JUN										
29...	.06	.05	.40	.81	3.9	.02	.00	290	1300	.10
SEP										
20...	.05	.05	.34	.57	2.6	.02	.00	160	800	.10

01311500 VALLEY STREAM AT VALLEY STREAM, NY

LOCATION.--Lat 40°39'49", long 73°42'18", Nassau County, Hydrologic Unit 02030202, on right bank 40 ft (12 m) upstream from West Valley Stream Boulevard, at Valley Stream.

DRAINAGE AREA.--About 4.5 mi^2 (12 km^2).

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

REVISED RECORDS.--WRD NY 1971: 1962-63(M), 1966-69(M).

GAGE.--Water-stage recorder and concrete control. Datum of gage is 7.49 ft (2.283 m) National Geodetic Vertical Datum of 1929. Prior to 1894, determinations of flow by various methods, at different sites and datums. July 1954 to July 16, 1964 at same site at datum 1.0 ft (0.30 m) higher.

REMARKS.--Records good except those above 110 ft^3/s (3.12 m^3/s), which are fair. Flow regulated occasionally by cleaning operations at outlet of Valley Stream Pond above station.

AVERAGE DISCHARGE.--24 years (1954-78), 2.71 ft^3/s (0.077 m^3/s).

EXTREMES FOR PERIOD OF RECORD (SINCE 1954).--Maximum discharge, 266 ft^3/s (7.53 m^3/s) Jan. 26, 1978, gage height, 4.86 ft (1.481 m), from rating curve extended above 110 ft^3/s (3.12 m^3/s); maximum gage height, 5.50 ft (1.676 m) Sept. 12, 1960, from floodmarks; no flow at times each year since 1963.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 266 ft^3/s (7.53 m^3/s) Jan. 26, gage height, 4.86 ft (1.481 m) from rating curve extended above 110 ft^3/s (3.12 m^3/s); no flow for all or part of many days during year.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	13	.00	.35	.00	.05	.00	2.3	.00	.00	.00
2	.00	.00	.23	.00	.32	.00	.08	.00	3.4	.00	.00	.00
3	.00	.00	.00	.00	.29	.00	.04	.00	4.4	.79	.00	.00
4	.00	.00	.00	.00	.29	.00	.02	.00	4.1	20	.07	.00
5	.00	.00	8.4	.00	.23	.00	.13	.00	2.9	.36	.00	.00
6	.00	.00	2.8	.00	.18	.00	.00	.00	3.0	.03	.00	.00
7	.00	.01	.06	.00	.18	.00	.10	.00	2.5	.00	.20	.00
8	.00	77	.00	.00	.14	.00	.19	.00	5.2	.00	.00	.00
9	1.9	1.7	.00	1.3	.14	.00	.02	4.2	1.5	.00	.00	.00
10	.14	.84	.00	.09	.10	.00	.02	.57	.19	.00	.00	.00
11	.00	.73	.00	.00	.10	.00	.43	.04	.16	.00	.00	.00
12	.00	.00	.00	.00	.07	.00	.78	.00	.03	.00	.07	.62
13	.00	.00	.00	.00	.07	.00	.32	.00	.01	.00	.00	.36
14	.00	.00	3.9	19	.10	.00	.12	30	.00	.00	.00	.01
15	.11	.00	2.2	.51	.04	.00	.09	7.8	.00	.00	.00	.00
16	.00	.00	.05	.07	.04	.00	.03	6.3	.00	.00	.00	.00
17	.00	1.2	.00	.05	.04	.00	.00	4.1	.00	.00	.00	.00
18	.00	.85	.00	59	.04	.00	.00	3.3	.00	.00	.00	.01
19	.00	.00	.73	1.1	.02	.34	9.7	3.3	.00	.00	.00	5.1
20	15	.00	.01	.67	.02	.36	5.0	3.3	.00	.00	.00	.04
21	.28	.00	9.9	.20	.02	.45	.27	3.2	.02	.00	.00	.00
22	.00	.00	1.2	.07	.00	.37	.15	3.2	.14	.00	.00	.00
23	.00	.35	.07	.05	.00	.18	.01	3.2	.01	.00	.00	.00
24	.00	.01	.00	.04	.00	.09	.00	25	.00	.00	.00	.00
25	.00	.00	.00	21	.00	.00	.00	3.5	.00	.00	.00	.00
26	.00	2.4	.00	119	.00	.09	.00	.56	.00	.00	.00	.00
27	.00	.06	.00	1.9	.00	6.1	.00	.31	.00	.00	.00	.00
28	.00	.00	.00	.61	.00	.82	.00	.16	.00	.00	.00	.00
29	.00	.00	.00	.44	---	.30	.00	.20	.00	.00	.00	.00
30	.00	.00	.00	.37	---	.20	.00	.20	.00	.00	.00	.00
31	.00	---	.00	.39	---	.11	---	.30	---	.00	.00	---
TOTAL	17.43	85.15	42.55	225.86	2.78	9.41	17.55	102.74	29.86	21.18	.34	6.14
MEAN	.56	2.84	1.37	7.29	.099	.30	.59	3.31	1.00	.68	.011	.20
MAX	15	77	13	119	.35	6.1	9.7	30	5.2	20	.20	5.1
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

CAL YR 1977 TOTAL 266.81 MEAN .73 MAX 77 MIN .00
WTR YR 1978 TOTAL 560.99 MEAN 1.54 MAX 119 MIN .00

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than stream gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or floodflow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial record program. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Low-flow partial-record stations

Measurements of streamflow in the area covered by this report made at low-flow partial-record stations are given in the following table. Most of these measurements were made during periods of base flow when streamflow is primarily from ground-water storage. These measurements, when correlated with the simultaneous discharge of a nearby stream where continuous records are available, give a picture of the low-flow potentiality of the stream. The column headed "Period of record" shows the water years in which measurements were made at the same, or practically the same, site. Where "Drainage area" column is blank, drainage area was not available at time of publication.

Discharge measurements made at low-flow partial-record stations during water year 1978

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Measurements Date	Measurements Discharge (ft^3/s)
		Streams on Long Island				
01302200	Whitney Lake Outlet at Manhasset, N.Y.	Lat 40°47'30", long 73°42'32", Nassau County, at bridge on Creek Road, at Manhasset, 0.25 mile (0.40 km) northwest of State Highway 25A.	--	1953-78	3-16-78 6- 7-78 9-29-78	2.2 1.6 .45
01302300	Roslyn Brook at Roslyn, N.Y.	Lat 40°47'55", long 73°38'51", Nassau County, at Roslyn, 200 ft (61 m) downstream from dam in Roslyn Park.	--	1953-78	11-28-77 3-16-78 6- 7-78 9- 5-78	.12 .18 .17 .51
01302800	Island Swamp Brook at Lattingtown, N.Y.	Lat 40°53'25", long 73°37'10", Nassau County, at bridge on Lattingtown Road, 0.3 mile (0.5 km) southwest of Lattingtown, and 1.5 miles (2.4 km) northwest of Locust Valley.	--	1953-78	11-28-77 3-16-78 6- 7-78 9- 5-78	1.2 .99 .90 .84
01303600	Mill Creek near Huntington, N.Y.	Lat 40°52'56", long 73°25'17", Suffolk County, at culvert on Creek Road, 300 ft (91 m) west on New York Ave., 1 mile (2 km) northeast of Huntington.	--	1953-78	3- 9-78 9- 6-78	2.6 3.6
01303700	Stony Hollow Run at Centerport, N.Y.	Lat 40°53'05", long 73°21'41", Suffolk County, at culvert on State Highway 25A, 0.25 mile (0.40 km) east of Centerport, and 1.5 miles (2.4 km) southwest of Northport.	--	1953-78	3-16-78 9-16-78	.84 1.0
01303742	Fresh Pond Outlet at Fort Salonga, N.Y.	Lat 40°55'26", long 73°17'43", Suffolk County, 200 ft (61 m) downstream from Fresh Pond outlet, 0.75 mi (1.21 km) north of Fort Salonga.	--	1977-78	3- 1-78 9-28-78	1.6 2.0
01303790	Northeast Branch Nissequogue River near East Hauppauge, N.Y.	Lat 40°50'27", long 73°10'41", Suffolk County, at culvert on State Highway 347, 1.5 miles (2.4 km) northwest of East Hauppauge, and 4.0 miles (6.4 km) upstream from gaging station near Smithtown.	--	1972-78	4- 3-78 6- 6-78 9-28-78	1.2 .58 .62
01303850	Northeast Branch Nissequogue River near Hauppauge, N.Y.	Lat 40°50'43", long 73°11'50", Suffolk County, at culvert on Maple Avenue, 0.75 mile (1.21 km) south of Smithtown, and 2.5 miles (4.0 km) upstream from gaging station near Smithtown.	--	1972-78	4- 3-78 6- 6-78 9-28-78	6.4 2.9 2.5
01303900	Northeast Branch Nissequogue River near Smithtown, N.Y.	Lat 40°50'45", long 73°12'29", Suffolk County, 10 ft upstream from culvert at Brooksite Drive, 0.75 mile (1.21 km) southwest of Smithtown, and 2.0 miles (3.2 km) upstream from gaging station near Smithtown.	--	1953-78	4- 3-78 6- 6-78 9-28-78	8.8 5.6 6.4

Discharge measurements made at low-flow partial-record stations during water year 1978--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Measurements Date	Measurements Discharge (ft^3/s)
		Streams on Long Island				
01303941	Nissequogue River near Hauppauge, N.Y.	Lat 40°50'30", long 73°13'43", Suffolk County, 30 ft (9 m) downstream from dam at New Mill Road, 2 miles (3 km) northwest of Hauppauge, and 0.5 mile (0.8 km) upstream from gaging station near Smithtown.	--	1972-78	4- 3-78 6- 6-78	36 35
01304010	Nissequogue River at Smithtown, N.Y.	Lat 40°51'48", long 73°12'05", Suffolk County, at culvert on Landing Ave., at Smithtown, and 1.5 miles (2.4 km) downstream from gaging station near Smithtown.	--	1974-78	4- 3-78 6- 6-78 9-28-78	62 59 57
01304051	Stony Brook at Stony Brook, N.Y.	Lat 40°54'53", long 73°08'52", Suffolk County, 100 ft (30 m) downstream from Harbor Road, at Stony Brook.	--	1977-78	11- 1-77 3- 1-78 4-18-78 9-27-78	2.6 2.7 2.8 2.0
01304060	Unnamed Tributary to Conscience Bay at Setauket, N.Y.	Lat 40°56'49", long 73°07'01", Suffolk County, 30 ft (9 m) downstream from pond below Old Field Road, at Setauket.	--	1977-78	3-20-78 4-18-78 9-27-78	2.6 2.2 1.5
01304065	Unnamed Tributary to Setauket Harbor at East Setauket, N.Y.	Lat 40°56'35", long 73°06'08", Suffolk County, at culvert on State Highway 25A, at East Setauket.	--	1977-78	11- 1-77 3- 1-78 4-18-78 9-27-78	.26 .32 .46 .20
01304070	Unnamed Tributary to Port Jefferson Harbor at Port Jefferson, N.Y.	Lat 40°56'41", long 73°04'18", Suffolk County, at culvert on Barnum Ave., at Port Jefferson.	--	1977-78	11- 1-77 3- 1-78 4-18-78 9-27-78	1.1 .65 .29 1.5
01304100	Wading River at Wading River, N.Y.	Lat 40°57'20", long 72°51'19", Suffolk County, at pond outlet, 0.25 mile (0.40 km) west of Wading River.	--	1953-62 1964-78	11- 1-77 3- 2-78 4-17-78 9-27-78	.32 1.2 1.3 1.2
01304150	Fresh Pond Outlet, at Baiting Hollow, N.Y.	Lat 40°57'43", long 72°46'17", Suffolk County, 25 ft (8 m) below dirt road at outlet of Fresh Pond, 0.7 mi (1.1 km) northwest of Baiting Hollow.	--	1977-78	3- 2-78 9-27-78	.61 1.0
01304400	Peconic River at Manorville, N.Y.	Lat 40°52'38", long 72°49'42", Suffolk County, at bridge on Schultz Road, 1 mile (2 km) northwest of Manorville, and 8.5 miles (13.7 km) upstream from gaging station at Riverhead.	--	1953-62 1951-78	11- 1-77 5- 1-78 9- 6-78	7.7 14 5.3
01304510	Peconic River at Nugent Drive, at Riverhead, N.Y.	Lat 40°55'03", long 72°40'11", Suffolk County, at bridge on Nugent Drive, at Riverhead, and 1.4 miles (2.3 km) downstream from gaging station at Riverhead.	--	1976-78	11- 1-77 5- 1-78 9- 6-78	47 69 48
01304530	Little River near Riverhead, N.Y.	Lat 40°53'52", long 72°40'30", Suffolk County, at Wildwood Lake outlet, 500 ft (152 m) east of Moriches-Riverhead Road, 1.5 miles (2.4 km) southwest of Riverhead.	--	1952-78	3- 2-78 8- 2-78	9.1 8.0
01304560	White Brook at Riverhead, N.Y.	Lat 40°54'40", long 72°38'37", Suffolk County, at culvert on State Highway 24, 1 mile (2 km) southeast of Riverhead.	--	1953-69 1973-78	3- 2-78 8- 2-78	5.2 .37
01304600	Big Fresh Pond Outlet at North Sea, N.Y.	Lat 40°55'49", long 72°25'04", Suffolk County, at culvert on Noyack Road, at North Sea, 3.5 miles (5.6 km) northwest of Southampton.	--	1951-69 1971-78	3- 2-78 8- 2-78	1.7 .84

Discharge measurements made at low-flow partial-record stations during water year 1978--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Measurements Date	Measurements Discharge (ft^3/s)
		Streams on Long Island				
01304630	Mill Creek at Noyack, N.Y.	Lat 40°59'35", long 72°21'00", Suffolk County, 50 ft (15 m) upstream from culvert on Noyack Road, 0.25 mile (0.40 km) west of Noyack.	--	1958-78	3- 2-78 8- 2-78	1.2 .84
01304660	Ligonee Brook at Sag Harbor, N.Y.	Lat 40°59'21", long 72°18'12", Suffolk County, at culvert on Brick Kiln Road, 0.75 mile (1.21 km) southwest of Sag Harbor.	--	1953-69 1973-78	3- 2-78 8- 2-78	.85 .06
01304730	Poxabogue Pond at Sagaponack, N.Y.	Lat 40°55'48", long 72°17'16", Suffolk County, at culvert on Sagg St., at Sagaponack, and 1 mile (2 km) southeast of Bridgehampton.	--	1953-78	3- 2-78 8- 2-78	5.1 1.6
01304745	Weesuck Creek at East Quogue, N.Y.	Lat 40°50'52", long 72°34'42", Suffolk County, at culvert on State Highway 27A, 0.5 mile (0.8 km) northeast of East Quogue.	--	1974-78	3- 6-78 8- 1-78	2.4 2.7
01304760	Quantuck Creek at Quogue, N.Y.	Lat 40°49'57", long 72°37'06", Suffolk County, at culvert in Old Meeting House Road, 1 mile (2 km) northwest of Quogue.	--	1953-69 1974-78	11- 2-77 2- 6-78 3- 6-78 8- 1-78	1.8 1.5 2.5 3.8
01304780	Aspatuck Creek near Westhampton Beach, N.Y.	Lat 40°49'04", long 72°38'13", Suffolk County, at culvert on Brook Road, at Westhampton Beach.	--	1959-78	11- 2-77 2- 6-78 3- 6-78 8- 1-78	2.1 3.1 3.7 2.7
01304800	Beaverdam Creek at Westhampton, N.Y.	Lat 40°49'23", long 72°39'42", Suffolk County, at culvert on Old Country Road, 100 ft (30 m) northwest of State Highway 27, and 1 mile (2 km) northwest of Westhampton.	--	1953-78	11-22-77 2- 6-78 3- 6-78 8- 1-78	1.3 3.0 3.4 3.6
01304820	Speonk River at Speonk, N.Y.	Lat 40°29'06", long 72°41'29", Suffolk County, at culvert on State Highway 27A, 0.75 mile (1.21 km) east of Speonk.	--	1974-78	2- 6-78 3- 6-78 8- 1-78	2.5 1.6 1.4
01304830	East River at Eastport, N.Y.	Lat 40°49'24", long 72°43'02", Suffolk County, 15 ft (5 m) upstream from culvert on Long Island Railroad, 200 ft (60 m) south of State Highway 27, 0.5 mile (0.8 km) east of Eastport.	--	1953-69 1973-78	3-30-78 8- 1-78	5.0 .33
01304860	Seatuck Creek at Eastport, N.Y.	Lat 40°49'30", long 72°43'43", Suffolk County, 15 ft (5 m) downstream from culvert on State Highway 27, at Eastport.	--	1953-78	11-22-77 2- 6-78 3- 6-78 8- 1-78	1.8 3.8 4.1 4.0
01304900	Little Seatuck Creek at Eastport, N.Y.	Lat 40°49'12", long 72°44'23", Suffolk County, at culvert on Moriches Blvd., 0.75 mile (1.21 km) southwest of Eastport.	--	1955-69 1974-78	11-22-77 2- 6-78 3- 6-78 8- 1-78	1.9 3.2 6.0 3.8
01304960	Forge River at Moriches, N.Y.	Lat 40°48'22", long 72°50'00", Suffolk County, at culvert on State Highway 27, at Moriches.	--	1948-50 1952-78	11-22-77 2- 6-78 3- 6-78 8- 1-78	2.7 4.2 12 8.8
01304990	Carmans River at Middle Island, N.Y.	Lat 40°51'47", long 72°56'35", Suffolk County, at culvert on East Bartlett Road, 0.75 mile (1.21 km) south of Middle Island, and 3.0 miles (4.8 km) upstream from gaging station at Yaphank.	--	1947-78	10-31-77 4-17-78 5- 3-78 8-31-78	.28 3.8 3.4 3.0

Discharge measurements made at low-flow partial-record stations during water year 1978--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Measurements Date	Measurements Discharge (ft^3/s)
		Streams on Long Island				
01304995	Carmans River near Yaphank, N.Y.	Lat 40°50'29", long 72°56'13", Suffolk County, 25 ft downstream from Mill Road, 1.2 miles (1.9 km) northwest of Yaphank, and 1.9 miles (3.1 km) upstream from gaging station at Yaphank.	--	1973-78	10-31-77 4-17-78 5- 3-78 8-31-78	7.3 14 17 5.8
01304998	Carmans River, below Lower Lake, At Yaphank, N.Y.	Lat 40°50'07", long 72°55'01", Suffolk County, at culvert on Yaphank Avenue, at Yaphank, and 0.7 mile (1.1 km) upstream from gaging station at Yaphank.	--	1973-78	10-31-77 4-17-78 5- 3-78 8-31-78	13 23 30 13
01305040	Carmans River at South Haven, N.Y.	Lat 40°48'09", long 72°53'09", Suffolk County, 50 ft (15 m) upstream from culvert on State Highway 27, at South Haven, and 2.6 miles (4.2 km) downstream from gaging station at Yaphank.	--	1973-78	10-31-77 4-17-78 5- 3-78 8-31-78	40 68 53 75
01305300	Mud Creek at East Patchogue, N.Y.	Lat 40°45'47", long 72°58'59", Suffolk County, at culvert on South Country Road, at East Patchogue, 2 miles (3 km) east of Patchogue.	--	1947-69 1971-78	10-31-77 3- 6-78 7-25-78	2.6 3.9 5.3
01305800	Patchogue River near Patchogue, N.Y.	Lat 40°46'55", long 73°01'19", Suffolk County, at bridge on discontinued road, 300 ft (91 m) west of North Ocean Ave., and 1 mile (2 km) north of State Highway 27A and gaging station at Patchogue.	--	1945-50 1952-78	10-28-77 4-27-78 9-14-78	5.3 15 15
01306000 c/	Patchogue River at Patchogue, N.Y.	Lat 40°46'56", long 73°01'16", Suffolk County, at State Highway 27A, at Patchogue.	--	1946-69‡ 1970-73 1974-76‡ 1977-78	10-28-77 1-19-78 3-17-78 4-27-78 7-17-78 9-14-78	19 16 28 23 27 27
01306400	Green Creek at West Sayville, N.Y.	Lat 40°43'51", long 73°05'32", Suffolk County, 30 ft (9 m) upstream from State Highway 27A, at West Sayville.	--	1953-78	11-21-77 3- 6-78 7-25-78	3.6 4.5 5.9
01306405	Lake Ronkonkoma Inlet at Lake Ronkonkoma, N.Y.	Lat 40°49'57", long 73°07'34", Suffolk County, 300 ft (91 m) southeast of Smithtown Blvd., 0.2 mile (0.3 km) west of Lake Ronkonkoma.	--	1948-49 1953-54 1977-78	10-31-77 4-18-78 5- 4-78 8- 2-78 9-28-78	.57 1.5 2.2 1.1 .49
01306440	Connetquot Brook at Central Islip, N.Y.	Lat 40°47'33", long 73°09'58", Suffolk County, at culvert on Veterans Memorial Highway, 2 miles (3 km) northeast of Central Islip, and 3.8 miles (6.1 km) upstream from gaging station 01306499.	--	1968 1971-78	3- 9-78 4-11-78 5- 3-78 7-20-78 8-30-78 9-29-78	8.5 9.2 9.2 6.8 7.8 7.3
01306470	Connetquot Brook near Oakdale, N.Y.	Lat 40°45'47", long 73°09'10", Suffolk County, 100 ft (30 m) downstream from fish hatchery, and 1.1 miles (1.8 km) upstream from gaging station 01306499.	--	1968 1973-78	4-11-78 8-31-78	39 34

‡ Operated as a continuous-record gaging station.
c/ Water-quality data included in this report.

Discharge measurements made at low-flow partial-record stations during water year 1978--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Measurements Date	Measurements Discharge (ft^3/s)
		Streams on Long Island				
01306700	Rattlesnake Brook near Oakdale, N.Y.	Lat 40°44'52", long 73°08'45", Suffolk County, 50 ft (15 m) downstream from State Highway 27, 1.5 miles (2.4 km) northwest of Oakdale.	--	1944-69 1971-78	11-21-77 3- 6-78 8- 2-78	20 19 17
01307000c/	Champlin Creek at Islip, N.Y.	Lat 40°44'13", long 73°12'08", Suffolk County, at Long Island Railroad bridge, 220 ft (67 m) downstream from Moffitt Boulevard, at Islip.	--	1948-69‡ 1970-78	11- 1-77 5- 3-78 9-29-78	5.8 11 5.9
01307100	Champlin Creek at Montauk Highway, at Islip, N.Y.	Lat 40°43'50", long 73°12'12", Suffolk County, at Montauk Highway, at Islip, and 0.45 mile (0.72 km) downstream from gaging station at Islip.	--	1963 1967 1973 1975-78	10-31-77 5- 3-78 9-29-78	2.7 9.3 7.4
01307300	Pardees Ponds Outlet at Islip, N.Y.	Lat 40°43'40", long 73°13'16", Suffolk County, at culvert on State Highway 27A, at Islip.	--	1948-72 1974-78	10-31-77 5- 3-78 9-12-78	2.8 4.5 4.8
01307400	Awixa Creek at Islip, N.Y.	Lat 40°43'39", long 73°13'51", Suffolk County, at culvert on State Highway 27A, 0.75 mile (1.21 km) west of Islip.	--	1948-78	10-31-77 3- 2-78 6-12-78 9-12-78	.91 1.4 .96 .76
01307500c/	Penataquit Creek at Bay Shore, N.Y.	Lat 40°43'37", long 73°14'41", Suffolk County, at Union Avenue, at Bayshore.	--	1945-76‡ 1977-78	10-26-77 11-22-77 2-17-78 3- 8-78 5- 3-78 6- 6-78 7-17-78 8-31-78 9-20-78	4.9 5.8 8.1 4.3 7.6 8.4 7.8 7.0 6.1
01307600	Cascade Lakes Outlet at Brightwaters, N.Y.	Lat 40°42'40", long 73°15'38", Suffolk County, at culvert on Montauk Highway, at Brightwaters.	--	1958-78	3- 9-78 7-25-78 9-12-78	2.8 1.0 1.2
01307920	Sampawams Creek near Deer Park, N.Y.	Lat 40°44'27", long 73°18'24", Suffolk County, 30 ft (9 m) downstream from Bay Shore Road, and 2.5 miles (4.0 km) upstream from gaging station at Babylon.	--	1965-66 1973-78	10-31-77 4-27-78 7-31-78 9-28-78	3.3 4.0 2.2 2.7
01307950	Sampawams Creek near North Babylon, N.Y.	Lat 40°43'37", long 73°18'46" Suffolk County, 120 ft (37 m) downstream from Hunter Avenue, and 1.6 miles (2.6 km) upstream from gaging station at Babylon.	--	1967 1971-78	10-31-77 4-27-78 7-31-78 9-28-78	4.0 7.4 2.9 2.5
01308200	Sampawams Creek below Hawleys Lake, at Babylon, N.Y.	Lat 40°41'48", long 73°19'04", Suffolk County at pond outlet, 200 ft (61 m) upstream from State Highway 27A, at Babylon, and 0.5 mile (0.8 km) downstream from gaging station at Babylon.	--	1953-67 1969-78	10-31-77 4-27-78 7-31-78 9-28-78	7.5 13 4.4 6.9

‡ Operated as a continuous-record gaging station.
c/ Water-quality data included in this report.

Discharge measurements made at low-flow partial-record stations during water year 1978--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Measurements Date	Measurements Discharge (ft^3/s)
		Streams on Long Island				
01308600	Carlls River at Park Avenue, Babylon, N.Y.	Lat 40°42'06", long 73°19'43", Suffolk County, at culvert on Park Avenue, at Babylon, and 0.5 mile (0.8 km) downstream from gaging station at Babylon.	--	1968-78	11-28-77 3- 2-78 7-31-78	39 41 25
01309000 c/	Santapogue Creek at Lindenhurst, N.Y.	Lat 40°41'30", long 73°21'20", Suffolk County, at culvert on East Hoffman Avenue, 1 mile (2 km) east of Long Island Railroad station at Lindenhurst.	--	1947-69‡ 1970-78	11-21-77 3- 2-78 6-12-78 9-20-78	1.6 1.3 4.2 2.0
01309100	Santapogue Creek at State Highway 27A, Lindenhurst, N.Y.	Lat 40°41'02", long 73°21'06", Suffolk County, at culvert on State Highway 27A, 0.5 mile (0.8 km) downstream from gaging station at Lindenhurst.	--	1953-69 1971-78	11-21-77 3- 2-78 6-12-78 9-20-78	5.5 4.7 10 4.1
01309200	Neguntatogue Creek at Lindenhurst, N.Y.	Lat 40°40"47", long 73°21'40", Suffolk County, 20 ft (6 m) upstream from State Highway 27A, in Lindenhurst.	--	1948-50 1952-78	11-21-77 3- 2-78 6-12-78 9-12-78	5.1 3.8 4.9 3.0
01309250	Strongs Creek at Lindenhurst, N.Y.	Lat 40°41'22", long 73°22'40", Suffolk County, 30 ft (9 m) upstream from State Highway 27A, at Lindenhurst.	--	1953-69 1971-78	11-21-77 3- 2-78 6-12-78 9-12-78	2.2 3.2 1.9 1.3
01309350	Amityville Creek at Amityville, N.Y.	Lat 40°40'13", long 73°24'51", Suffolk County, 100 ft (30 m) upstream from State Highway 27A, at Amityville.	--	1953-78	11-21-77 3- 2-78 9-12-78	2.9 2.8 1.5
01309400	Carman Creek at Amityville, N.Y.	Lat 40°40'09", long 73°26'02", Nassau County, at bridge on State Highway 27A, 0.75 mile (1.21 km) west of Amityville.	--	1949 1953-69 1971-78	3-20-78 9- 8-78	6.8 3.8
01309454	Massapequa Creek at South Farmingdale, N.Y.	Lat 40°42'55", long 73°27'00", Nassau County, 75 ft (23 m) upstream from Tomes Avenue, 0.2 mile (0.3 km) south of South Farmingdale, and 1.9 miles (3.1 km) upstream from gaging station at Massapequa.	--	1962-65 1973-78	10-27-77	.12
01309476	Massapequa Creek at Southern State Parkway, at South Farmingdale, N.Y.	Lat 40°42'21", long 73°27'05", Nassau County, 30 ft (9 m) upstream from culvert at Southern State Parkway, 0.8 mile, (1.3 km) south of South Farmingdale, and 1.2 miles (1.9 km) upstream from gaging station at Massapequa.	--	1962-65 1973-78	10-29-77 4-13-78 5-31-78 6-28-78 7-27-78 8-23-78 9-25-78	2.5 7.3 6.6 3.6 2.2 2.3 2.2
01309490	Massapequa Creek at North Massapequa, N.Y.	Lat 40°41'55", long 73°27'08", Nassau County, opposite Franklin Street, at North Massapequa, and 0.55 mile (0.88 km) upstream from	--	1962 1964 1973-78	10-27-77 4-12-78 6-27-78 8-24-78	3.5 17 5.6 3.4
91309700	Seaford Creek at Seaford, N.Y.	Lat 40°40'00", long 73°28'57", Nassau County, at bridge on State Highway 27A, in Seaford.	--	1953-78	3-20-78 6- 1-78 6-29-78 8-24-78 9- 8-78 9-27-78	3.6 2.4 .94 .70 .45 1.2

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c/ Water-quality data included in this report.

Discharge measurements made at low-flow partial-record stations during water year 1978--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Measurements Date	Measurements Discharge (ft^3/s)
		Streams on Long Island				
01309800	Seamans Creek at Seaford, N.Y.	Lat 40°39'56", long 73°29'37", Nassau County, at culvert on State Highway 27A, 0.2 mile (0.3 km) west of Seaford.	--	1953-67 1971-78	5-20-78 5- 3-78 6-27-78 7-26-78 8-23-78 9- 8-78 9-25-78	2.3 4.7 2.9 2.1 4.0 1.9 2.4
01309970	Bellmore Creek Tributary near North Wantagh, N.Y.	Lat 40°41'52", long 73°30'33", Nassau County, at culvert on Duck Pond Drive North, 0.3 mile (0.5 km) north of North Wantagh, and 1.2 miles (1.9 km) upstream from gaging station 01309990.	--	1973-78	10-27-77 4-13-78 6- 2-78 6-28-78 7-26-78 8-23-78 9-26-78	.13 2.2 1.5 .75 .26 .14 .08
01309980	Bellmore Creek Tributary at North Wantagh, N.Y.	Lat 40°41'20", long 73°30'37", Nassau County, at culvert on Beltagh Avenue, at North Wantagh, and 0.6 mile (1.0 km) upstream from gaging station 01309990.	--	1973-78	10-27-77 6- 2-78 6-28-78 7-26-78 8-23-78 9-26-78	2.3 2.9 1.6 .89 .99 .72
01310100	Newbridge Creek at Merrick, N.Y.	Lat 40°39'42", long 73°32'02", Nassau County, downstream from bridge on Merrick Road in Merrick.	--	1963-78	3-20-78 4-12-78 5-30-78 6-28-78 7-27-78 9-27-78	.87 .56 .30 .09 .08 .19
01310200	Cedar Swamp Creek at Merrick, N.Y.	Lat 40°39'39", long 73°32'24", Nassau County, at bridge on State Highway 27A, in Merrick, 2.5 miles (4.0 km) east of Freeport.	--	1953-62 1965-78	3-20-78 4-13-78 5-31-78 6-27-78 7-26-78 8-24-78 9- 8-78 9-25-78	10 12 8.3 5.6 4.7 4.0 3.3 4.1
01310470	East Meadow Brook near Westbury, N.Y.	Lat 40°44'01", long 73°35'06", Nassau County, 50 ft (15 m) downstream from culvert on Meadowbrook State Parkway, 1.0 mile (1.6 km) south of Westbury, and 4.8 miles (7.7 km) upstream from gage at Freeport.	--	1973-78	10-27-77 4-14-78 5-30-78 6-27-78 7-27-78 8-25-78 9-26-78	3.3 1.4 1.4 .46 .47 .68 .40
01310475	East Meadow Brook at Uniondale, N.Y.	Lat 40°43'17", long 73°35'00", Nassau County, at bridge on Hempstead Turnpike, 0.9 mile (1.4 km) northeast of Uniondale, and 3.9 miles (6.3 km) upstream from gage at Freeport.	--	1973-78	10-27-77 4-13-78	1.7 8.7
01310488	East Meadow Brook at East Meadow, N.Y.	Lat 40°41'56", long 73°34'37", Nassau County, 300 ft (91 m) west of Luddington Road, 1.4 miles (2.3 km) southwest of East Meadow, and 2.3 miles (3.7 km) upstream from gage at Freeport.	--	1973-78	10-27-77 4-12-78	5.5 11
01310510	East Branch Freeport Creek at Freeport, N.Y.	Lat 40°39'32", long 73°34'01", Nassau County, 50 ft (15 m) downstream from culvert at Sunrise Highway, and 0.5 mile (0.8 km) downstream from gaging station 01310500.	--	1975-78	10-27-77	5.9

Discharge measurements made at low-flow partial-record stations during water year 1978--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Measurements Date	Measurements Discharge (ft^3/s)
		Streams on Long Island				
01310515	Freeport Creek at Freeport, N.Y.	Lat 40°39'28", long 73°34'22", Nassau County, 20 ft (6 m) upstream from culvert at Sunrise Highway, and 0.5 mile (0.8 km) downstream from gaging station 01310500.	--	1975-78	10-27-77	7.6
01310600	Milburn Creek at Baldwin, N.Y.	Lat 40°39'04", long 73°36'13", Nassau County, 50 ft (15 m) downstream from bridge on State Highway 27A, 0.5 mile (0.8 km) east of Baldwin.	--	1953-78	3-20-78 6- 1-78 6-27-78 7-26-78 8-24-78 9-26-78	13 12 8.2 8.4 6.2 5.5
01310700	Parsonage Creek at Baldwin, N.Y.	Lat 40°38'48", long 73°36'59", Nassau County, 20 ft (6 m) downstream from bridge on Foxhurst Road, at Baldwin.	--	1953-69 1971-78	3-20-78 5-30-78 6-28-78 8-24-78	1.1 2.5 1.5 2.2
01310800	South Pond Outlet at Rockville Centre, N.Y.	Lat 40°40'00", 73°39'08", Nassau County, at bridge on Lakeview Ave., 0.75 mile (1.21 km) north of Rockville Centre.	--	1953-78	11-28-77 4-13-78 5- 5-78 6-28-78 7-27-78 9- 8-78 9-25-78	.56 2.6 2.0 1.6 .27 .08 .15
01311200	Motts Creek at Valley Stream, N.Y.	Lat 40°39'01", long 73°42'45", Nassau County, 50 ft (15 m) downstream from bridge on Rosedale Road, 1 mile (2 km) southwest of Valley Stream.	--	1954-78	4-12-78 5-30-78 6-28-78	.69 .56 .16
01311700	Valley Stream, below West Branch, at Valley Stream, N.Y.	Lat 40°39'47", long 73°42'21", Nassau County, 200 ft (61 m) downstream from West Branch, 500 ft (152 m) downstream from bridge on West Valley Stream Blvd., at village park in Valley Stream, and 500 ft (152 m) downstream from gaging station.	--	1953-78	11-28-77	0

Several series of base-flow discharge measurements were made on streams along the south shore in Nassau County during the year to study channel gains and losses. The data collected in these series of measurements, along with data to be collected in the future, will provide the basis for determining the base-flow yield of the streams. Weather records show that no precipitation occurred for three days prior to each series of measurements. Therefore, the measurements are considered to represent base-flow, when streamflow is primarily from ground-water storage.

The measurements on each stream site are listed in order proceding downstream, and a distance from the furthest downstream site is given for each measuring site.

Site number	Distance from furthest downstream site (miles)	Measuring Site	Date	Measurement Discharge (ft^3/s)
		Massapequa Creek		
01309444	3.2	Lat 40°43'03", long 73°27'09", Nassau County, 80 feet downstream from culvert at western end of Radcliff Avenue, at South Farmingdale.	4-14-78 6-27-78 8-23-78	0.30 .23 .08
01309462	2.9	Lat 40°42'44", long 73°26'58", Nassau County, 50 feet downstream from two tributaries at western end of 4th Avenue, at South Farmingdale.	4-14-78 6-27-78 8-23-78	1.1 .69 .36
01309470	2.6	Lat 40°42'28", long 73°27'01", Nassau County, 10 feet upstream from pond at western end of 11th Avenue, at South Farmingdale.	4-14-78 6-27-78 8-23-78	1.5 1.3 .52
01309476	2.4	Lat 40°42'21", long 73°27'05", Nassau County, exit ramp of Southern State Parkway to Bethpage State Parkway, at South Farmingdale.	4-13-78 6-28-78 8-23-78	7.3 3.6 2.3
01309481	2.2	Lat 40°42'12", long 73°27'06", 100 feet south of Linden Avenue, at North Massapequa.	4-12-78 6-27-78 8-23-78	13 4.1 2.8
01309485	2.1	Lat 40°42'06", long 73°27'06", Nassau County, 1000 feet south of Linden Avenue, at North Massapequa.	4-12-78 6-27-78 8-24-78	12 4.2 2.2
01309490	1.8	Lat 40°41'55", long 73°27'08", Nassau County, 2500 feet south of Southern State Parkway, at North Massapequa.	4-12-78 6-27-78 8-24-78	17 5.6 3.4
01309492	1.5	Lat 40°41'40", long 73°27'11", Nassau County, 4000 feet south of Southern State Parkway, at North Massapequa.	4-12-78 6-27-78 8-24-78	18 6.7 4.2
01309494	1.2	Lat 40°41'30", long 73°27'18", Nassau County, 6000 feet north of Sunrise Highway, at Massapequa.	4-12-78 6-27-78	16 6.4
01309500	1.0	Lat 40°41'20", long 73°27'19", Nassau County, gaging station at Massapequa.	4-12-78 6-27-78 8-24-78	18 8.1 5.8
01309520	0.8	Lat 40°41'11", long 73°27'26", Nassau County, 1000 feet south of gaging station at Massapequa.	4-12-78 6-27-78 8-24-78	21 10 7.7
01309560	0.5	Lat 40°40'56", long 73°27'37", Nassau County, 300 feet north of Clark Blvd., at Massapequa.	4-13-78 6-27-78 8-24-78	22 10 8.1
01309580	0	Lat 40°40'34", long 73°27'51", Nassau County, 200 feet south of Merrick Road, at Massapequa.	4-13-78 6-27-78 8-24-78	28 13 11

Site number	Distance from furthest downstream site (miles)	Measuring Site	Date	Measurement Discharge (ft^3/s)
		Seaford Creek		
01309610	1.8	Lat 40°41'27", long 73°28'56", Nassau County, 50 ft downstream from culvert on Jerusalem Avenue.	4-12-78	0.15
			6- 1-78	.05
			6-28-78	.46
			7-26-78	.44
			8-23-78	.44
			9-26-78	.40
01309620	1.6	Lat 40°41'20", long 73°28'55", Nassau County, 200 ft east of Remsen Street, 900 ft south of Jerusalem Avenue.	4-12-78	.25
			6- 1-78	.30
			6-28-78	.54
			7-26-78	.56
			8-23-78	.42
			9-26-78	.46
01309630	1.4	Lat 40°41'08", long 73°28'56", Nassau County, 300 ft east of Boston Avenue, 2000 ft south of Jerusalem Avenue.	4-12-78	.78
			6- 1-78	.64
			6-28-78	.40
			7-26-78	.37
			8-23-78	.21
			9-26-78	.19
01309640	1.1	Lat 40°40'51", long 73°28'56", Nassau County, at footbridge, 50 ft downstream from culvert on Clark Street	4-12-78	1.3
			6- 1-78	1.9
			6-29-78	.53
			7-26-78	.26
			8-23-78	.25
			9-26-78	.36
01309650	0.9	Lat 40°40'43", long 73°28'56" Nassau County, 300 ft east of intersection of Judge Court and Park Drive.	4-12-78	1.5
			6- 1-78	1.7
			6-29-78	.84
			7-26-78	.36
			8-23-78	.35
			9-26-78	.26
01309660	0.7	Lat 40°40'32", long 73°28'55", Nassau County, 50 ft upstream from culvert on Sunrise Highway.	4-12-78	2.5
			6- 1-78	1.8
			6-29-78	.97
			7-27-78	.55
			8-23-78	.75
			9-26-78	.45
01309670	0.4	Lat 40°40'16", long 73°28'56", Nassau County, 200 ft west of intersection of Sycamore Street and Riverside Avenue.	4-12-78	1.9
			6- 1-78	1.9
			6-29-78	.86
			7-27-78	.54
			8-23-78	1.4
			9-26-78	.46
01309680	0.2	Lat 40°40'08", long 73°28'57", Nassau County, at footbridge, 150 ft west of intersection of Locust Street and Riverside Avenue.	4-12-78	2.4
			6- 1-78	2.3
			6-29-78	.96
			7-27-78	.87
			8-23-78	.86
			9-26-78	.81
01309700	0	Lat 40°40'00", long 73°28'57", Nassau County, 30 ft upstream from culvert on Merrick Road.	6- 1-78	2.4
			6-29-78	.94
			8-24-78	.70
			9-27-78	1.2

Site number	Distance from furthest downstream site (miles)	Measuring Site	Date	Measurement Discharge (ft^3/s)
		Seamans Creek		
01309760	1.5	Lat 40°41'04", long 73°29'47", Nassau County, at Seaford Oyster Bay Expressway, 200 ft east of Wagner Street.	5-31-78	0.54
			6-27-78	0
			7-26-78	0
			8-23-78	0
			9-25-78	0
01309765	1.3	Lat 40°40'54", long 73°29'46", Nassau County, at Seaford Oyster Bay Expressway, 400 ft east of Wagner Street.	5-31-78	.80
			9-25-78	0
01309770	1.1	Lat 40°40'44", long 73°29'45", Nassau County, at Seaford Oyster Bay Expressway, 500 ft south of Clark Street.	5-31-78	1.3
			9-25-78	0
01309775	0.9	Lat 40°40'34", long 73°29'45", Nassau County, at Seaford Oyster Bay Expressway, 50 ft east of intersection of Park Avenue and West Seamans Neck Road.	5-31-78	1.9
			6-27-78	.59
			7-26-78	.28
			8-23-78	0
			9-25-78	.25
01309780	0.7	Lat 40°40'24", long 73°29'44", Nassau County, 150 ft downstream from culvert on Sunrise Highway.	5-30-78	1.9
			8-23-78	.78
			9-25-78	.28
01309785	0.4	Lat 40°40'14", long 73°29'41", Nassau County, 200 ft upstream from culvert on Natalie Boulevard.	5-30-78	2.2
			6-27-78	1.1
			7-26-78	.60
			8-23-78	1.1
			9-25-78	.55
01309790	0.3	Lat 40°40'05", long 73°29'36", Nassau County, 20 ft upstream from culvert on Waverly Avenue.	5-30-78	2.6
			6-27-78	1.4
			7-26-78	.94
			8-23-78	1.9
			9-25-78	.94
01309800	0	Lat 40°39'54", long 73°29'36", Nassau County, 60 ft upstream from culvert at Merrick Road.	5-30-78	4.7
			6-27-78	2.9
			7-26-78	2.1
			8-23-78	4.0
			9-25-78	2.4

Site number	Distance from furthest downstream site (miles)	Measuring Site	Date	Measurement Discharge (ft^3/s)
		Bellmore Creek		
01309860	2.6	Lat 40°42'22", long 73°31'09", Nassau County, south of North Jerusalem Avenue at Levittown.	4-12-78	0.05
			6- 1-78	0
			6-27-78	0
			7-27-78	0
			8-24-78	0
			9-26-78	0
01309870	2.3	Lat 40°42'09", long 73°31'15", Nassau County, at Southern State Parkway, at Levittown.	4-12-78	.47
			6- 1-78	.65
			6-27-78	.35
			7-27-78	.35
			8-24-78	.17
			9-26-78	.05
01309880	2.0	Lat 40°41'54", long 73°31'16", Nassau County, at Southern State Parkway exit to Wantagh State Parkway, at Levittown.	4-12-78	2.7
			6- 1-78	.47
			6-29-78	.78
			7-27-78	.70
			9-26-78	.50
01309890	1.6	Lat 40°41'37", long 73°31'16", Nassau County, north end of Holiday Park Drive, 700 ft north of Jerusalem Avenue, at Wantagh.	4-12-78	8.2
			6- 1-78	3.9
			6-29-78	5.3
			7-27-78	3.3
			8-24-78	7.1
			9-27-78	.70
01309900	1.5	Lat 40°41'31", long 73°31'13", Nassau County, 100 ft south of Jerusalem Avenue, east of Holiday Park Drive, at Wantagh.	4-12-78	9.0
			6- 1-78	4.2
			6-29-78	4.4
			7-27-78	2.7
			8-24-78	6.4
			9-27-78	1.4
01309910	1.3	Lat 40°41'28", long 73°31'05", Nassau County, 1000 ft south of Jerusalem Avenue, off Beltagh Avenue, at Wantagh.	4-12-78	9.8
			6- 1-78	4.9
			6-28-78	5.0
			7-27-78	2.5
			8-24-78	6.9
			9-27-78	.72
01309920	1.2	Lat 40°41'28", long 73°30'57", Nassau County, at intersection of Beltagh Avenue and Clovermere Road at Wantagh.	4-12-78	12
			6-28-78	6.6
			7-27-78	3.6
			9-26-78	2.3
01309930	0.9	Lat 40°41'11", long 73°30'52", Nassau County, 1000 ft south of Clovermere Road at Wantagh.	4-12-78	12
			6- 1-78	7.1
			6-28-78	7.1
			7-27-78	4.2
			9-26-78	2.4
01309940	0.7	Lat 40°41'00", long 73°30'53", Nassau County, 2000 ft south of Clovermere Road at Wantagh.	6- 1-78	9.5
			6-28-78	5.8
			7-27-78	4.2
			9-26-78	2.9
01310010	0	Lat 40°40'28", long 73°30'54", Nassau County, at Park Avenue, at Wantagh.	4-12-78	19
			6- 1-78	15
			9-27-78	4.3

Site number	Distance from furthest downstream site (miles)	Measuring Site	Date	Measurement Discharge (ft^3/s)
		Bellmore Creek Tributary		
01309957	2.9	Lat 40°42'34", long 73°30'12", Nassau County, tributary, at Stony Lane, at Wantagh.	4-13-78	0.03
			6- 2-78	.05
			6-27-78	0
			7-26-78	0
			8-23-78	0
			9-26-78	0
01309960	2.6	Lat 40°42'21", long 73°30'15", Nassau County, tributary at Sprucewood Drive, at Wantagh.	4-13-78	.56
			6- 2-78	.46
			6-27-78	.10
			7-26-78	0
			8-23-78	0
			9-26-78	0
01309963	2.5	Lat 40°42'15", long 73°30'20", Nassau County, tributary, 500 ft north of Old Jerusalem Road at Wantagh.	4-13-78	1.3
			6- 2-78	0
			6-27-78	0
			7-26-78	0
			8-23-78	0
			9-26-78	0
01309967	2.3	Lat 40°42'04", long 73°30'26", Nassau County, tributary, at Sandhill Road, at Wantagh.	4-13-78	1.4
			6- 2-78	.98
			6-27-78	.05
			7-26-78	0
			8-23-78	0
			9-26-78	0
01309970	1.8	Lat 40°41'52", long 73°30'33", Nassau County, tributary, at Duck Pond Drive North, at Wantagh.	4-13-78	2.2
			6- 2-78	1.5
			6-28-78	.75
			7-26-78	.26
			8-23-78	.14
			9-26-78	.08
01309973	1.6	Lat 40°41'41", long 73°30'34", Nassau County, tributary, 300 ft north of Jerusalem Avenue, at Wantagh.	4-13-78	2.8
			6- 2-78	2.1
			6-28-78	.96
			7-26-78	.68
			8-23-78	.51
			9-26-78	.36
01309977	1.5	Lat 40"41'37", long 73°30'33", Nassau County, tributary, 200 ft south of Jerusalem Avenue, at Wantagh.	4-13-78	3.5
			6- 2-78	2.5
			6-28-78	1.4
			7-26-78	1.0
			8-23-78	.93
			9-26-78	.53
01309980	1.1	Lat 40°41'37", long 73°30'37", Nassau County, tributary, at Beltagh Avenue, at Wantagh.	6- 2-78	2.9
			6-28-78	1.6
			7-26-78	.89
			8-23-78	.99
			9-26-78	.72
01309983	1.0	Lat 40°41'12", long 73°30'42", Nassau County, tributary, 1500 ft upstream from Island Road, at Wantagh.	4-14-78	4.1
			6- 2-78	3.1
			6-28-78	1.9
			8-23-78	1.6
			9-26-78	.93
01309987	0.8	Lat 40°41'06", long 73°30'47", Nassau County, tributary, 300 ft upstream from Island Road, at Wantagh.	4-14-78	4.4
			6- 2-78	3.3
			8-23-78	1.2
			9-26-78	.88
01309989	0.6	Lat 40°40'57", long 73°30'48", Nassau County, tributary, at east side of Wantagh State Parkway, at Wantagh.	4-12-78	4.7
			6- 1-78	3.7
			6-27-78	5.5
			7-26-78	1.2
			8-23-78	1.3
			9-25-78	1.1
01310010	0	Lat 40°40'28", long 73°30'54", Nassau County, at Park Avenue, at Wantagh.	4-12-78	19
			6- 1-78	15
			9-27-78	4.3

Site number	Distance from furthest downstream site (miles)	Measuring Site	Date	Measurement Discharge (ft^3/s)
		Cedar Swamp Creek		
01310102	1.9	Lat 40°41'06", long 73°32'50", Nassau County, 10 ft downstream from culvert on Redmond Road, at Bellmore.	4-12-78	3.7
			5-31-78	.42
			6-28-78	.28
			7-26-78	.20
			8-24-78	.13
			9-25-78	.10
01310104	1.6	Lat 40°40'55", long 73°32'48", Nassau County, 15 ft upstream from culvert on Losee Court, at Bellmore.	4-12-78	4.8
			5-31-78	.74
			6-27-78	.25
			7-26-78	.06
			8-24-78	0
			9-25-78	0
01310106	1.4	Lat 40°40'44", long 73°32'46", Nassau County, 50 ft west of Henry Street, 400 ft south of Losee Court, at Bellmore.	4-12-78	5.0
			5-31-78	1.1
			6-27-78	.37
			7-26-78	.05
			8-24-78	.02
			9-25-78	0
01310108	1.2	Lat 40°40'44", long 73°32'42", Nassau County, at east end of Faye Court, at Bellmore.	4-12-78	4.6
			5-31-78	1.7
			6-27-78	.66
			7-26-78	.19
			8-24-78	.19
			9-25-78	.18
01310115	1.0	Lat 40°40'22", long 73°32'43", Nassau County, at east end of Marion Avenue, at Bellmore.	4-12-78	5.8
			5-31-78	2.1
			6-27-78	.97
			7-26-78	.58
			9-25-78	.50
01310120	0.8	Lat 40°40'14", long 73°32'40", Nassau County, 30 ft north of Bellwood Drive, at Bellmore.	4-12-78	5.0
			5-31-78	3.2
			6-27-78	1.2
			7-26-78	.63
			8-24-78	.64
			9-25-78	.77
01310130	0.7	Lat 40°40'06", long 73°32'41", Nassau County, 50 ft upstream from culvert on Grand Avenue, at Bellmore.	4-12-78	7.0
			5-31-78	3.6
			6-27-78	1.8
			7-26-78	1.0
			8-24-78	.50
			9-25-78	1.0
01310132	0.4	Lat 40°39'54", long 73°32'40", Nassau County, east outlet of Newbridge Pond, at Bellmore.	4-12-78	2.0
			5-30-78	.92
			6-27-78	.28
			7-26-78	.01
			9-25-78	.08
01310146	0.4	Lat 40°39'54", long 73°32'40", Nassau County, west outlet of Newbridge Pond, at Bellmore.	4-12-78	3.2
			5-30-78	3.5
			6-27-78	2.2
			7-26-78	2.4
			8-24-78	1.8
			9-25-78	.83
01310160	0.2	Lat 40°39'47", long 73°32'31", Nassau County, 10 ft upstream from culvert on Richard Street, at Bellmore.	4-12-78	7.9
			5-31-78	6.2
			6-27-78	4.5
			7-26-78	2.9
			8-24-78	2.7
			9-25-78	3.1
01310200	0	Lat 40"39'39", long 73°32'24" Nassau County, at bridge on State Highway 27A, in Merrick, 2.5 miles (4.0 km) east of Freeport.	4-13-78	12
			5-31-78	8.3
			6-27-78	5.6
			7-26-78	4.7
			8-24-78	4.0
			9-25-78	4.1

Site number	Distance from furthest downstream site (miles)	Measuring Site	Date	Measurement Discharge (ft^3/s)
		East Meadow Brook		
01310470	5.1	Lat 40°44'01", long 73°35'06", Nassau County, 4,500 ft upstream from culvert on Hempstead Turnpike, at Uniondale.	4-14-78 5-30-78 6-27-78 7-27-78 8-25-78 9-26-78	1.4 1.4 .46 .47 .68 .40
01310472	4.8	Lat 40°43'44", long 73°35'03", Nassau County, 3,000 ft upstream from culvert on Hempstead Turnpike, at Uniondale.	5-30-78 6-27-78 7-27-78 8-25-78 9-26-78	1.7 1.1 2.8 .90 .89
01310473	4.6	Lat 40°43'34", long 73°34'56", Nassau County, 2,000 ft upstream from culvert on Hempstead Turnpike, at Uniondale.	5-30-78 6-27-78 7-27-78 8-25-78 9-26-78	4.3 5.4 2.7 1.1 .85
01310474	4.4	Lat 40°43'26", long 73°34'56", Nassau County, 1,000 ft upstream from culvert on Hempstead Turnpike, at Uniondale.	4-13-78 5-30-78 6-27-78 7-27-78 8-25-78 9-26-78	3.2 4.6 4.5 2.6 1.0 .92
01310475	4.2	Lat 40°43'16", long 73°35'00", Nassau County, 75 ft upstream from culvert on Hempstead Turnpike, at Uniondale.	4-13-78	8.7
01310476	3.9	Lat 40°43'04", long 73°34'53", Nassau County, 400 ft upstream from Air Base Road, at Uniondale.	4-13-78	9.6
01310478	3.5	Lat 40°42'43", long 73°34'47" Nassau County, 50 ft upstream from culvert at Front Street, at Uniondale.	4-13-78	7.4
01310480	3.3	Lat 40°42'33", long 73°34'45", Nassau County, 1,000 ft downstream from Front Street, at Uniondale.	4-13-78	6.7
01310482	3.1	Lat 40°42'23", long 73°34'42", Nassau County, 2,200 ft downstream from Front Street, at Uniondale.	4-13-78	7.2
01310484	2.9	Lat 40°42'14", long 73°34'40", Nassau County, 3,200 ft downstream from Front Street, at Uniondale.	4-13-78	7.9
01310486	2.7	Lat 40°42'05", long 73°34'40", Nassau County, 3,500 ft upstream from Jerusalem Avenue, at Uniondale.	4-12-78	17
01310488	2.5	Lat 40°41'56", long 73°34'37", Nassau County, 1,500 ft upstream from Jerusalem Avenue, at Uniondale.	4-12-78	11
01310489	2.3	Lat 40°41'44", long 73°34'35", Nassau County, 500 ft upstream from Jerusalem Avenue, at Uniondale.	4-12-78	12
01310489.5	1.7	Lat 40°41'18", long 73°34'23", Nassau County, 600 ft downstream from Southern State Parkway, at Roosevelt.	4-12-78 4-30-78	13 16

Site number	Distance from furthest downstream site (miles)	Measuring Site	Date	Measurement Discharge (ft^3/s)
		East Meadow Brook--continued		
01310490	1.6	Lat 40°41'11", long 73°34'25", Nassau County, 1,800 ft downstream from Southern State Parkway, at Roosevelt.	4-12-78 5-30-78	13 26
01310490.5	1.3	Lat 40°40'59", long 73°34'26", Nassau County, 200 ft upstream from Smith Pond, at Roosevelt.	4-12-78 5-30-78	15 26
01310492	1.1	Lat 40°40'46", long 73°34'27", Nassau County, 250 ft downstream from culvert on Washington Avenue, at Roosevelt.	4-13-78 5-30-78	16 23
01310492.5	0.9	Lat 40°40'38", long 73°34'24", Nassau County, 900 ft downstream from culvert on Washington Avenue, at Roosevelt.	4-13-78 5-30-78	17 24
01310493	0.7	Lat 40°40'29", long 73°34'21", Nassau County, 2,000 ft downstream from culvert on Washington Avenue, at Roosevelt.	4-13-78 5-30-78	18 26
01310493.5	0.5	Lat 40°40'17", long 73°34'18", Nassau County, 2,300 ft upstream from gaging station at Roosevelt.	4-13-78 5-30-78	16 26
01310495	0.3	Lat 40°40'10", long 73°34'14", Nassau County, 1,500 ft upstream from gaging station at Roosevelt.	4-13-78 5-30-78	18 28
01310496	0.1	Lat 40°40'03", long 73°34'12", Nassau County, 700 ft upstream from gaging station at Roosevelt.	4-13-78 5-30-78	18 25
01310500	0	Lat 40°39'56", long 73°34'13", Nassau County, at gaging station at Grand Avenue, at Roosevelt.	4-13-78 5-30-78	19 26

Site number	Distance from furthest downstream site (miles)	Measuring Site	Date	Measurement Discharge (ft^3/s)
		Millburn Creek		
01310522	2.7	Lat 40°41'07", long 73°35'52", Nassau County, at Brookside and West Pennywood Avenues, at Roosevelt.	6-2-78 6-27-78	0.11 0
01310524	2.4	Lat 40°40'54", long 73°35'56", Nassau County, at Brookside Avenue and Henry Street, at Roosevelt.	6-2-78 6-27-78	.16 0
01310530	2.1	Lat 40°40'42", long 73°36'01", Nassau County, at Alhambra Road at Roosevelt.	4-12-78 6- 2-78 6-27-78	.18 .12 0
01310532	2.0	Lat 40°40'35", long 73°36'05", Nassau County, at Circle Drive and Mayfair Road, at Roosevelt.	4-12-78 6- 2-78 6-27-78 7-27-78	.40 .26 .01 0
01310534	1.8	Lat 40°40'26", long 73°36'07", Nassau County, at end of Barth Avenue, at Roosevelt.	4-12-78 6- 2-78 6-27-78 7-27-78 8-23-78	.74 .55 .19 .18 0
01310536	1.6	Lat 40°40'17", long 73°36'10", Nassau County, at Wallace Avenue, at Roosevelt.	4-12-78 6- 2-78 6-27-78 7-27-78 8-23-78 9-26-78	.94 .95 .40 .10 .02 0
01310542	1.4	Lat 40°40'09", long 73°36'11", Nassau County, north of Moore Court, at Freeport.	4-12-78 6- 2-78 6-27-78 7-26-78 8-23-78 9-26-78	1.8 1.4 .47 .10 .08 .05
01310550	1.1	Lat 40°39'55", long 73°36'13", Nassau County, at Willowbend Lane, at Freeport.	4-12-78 6- 1-78 6-27-78 7-26-78 8-23-78 9-26-78	2.0 2.0 1.1 .58 .60 .42
01310560	1.0	Lat 40°39'47", long 73°36'12", Nassau County, at Millburn Court, at Freeport.	4-12-78 6- 1-78 6-27-78 7-26-78 8-23-78 9-26-78	2.2 2.4 1.2 .73 .53 .47
01310570	0.7	Lat 40°39'36", long 73°36'16", Nassau County, at Mayfair Court, at Freeport.	4-12-78 6- 1-78 6-27-78 7-26-78 8-23-78 9-26-78	2.8 2.9 1.4 .80 .65 .65
01310580	0.5	Lat 40°39'25", long 73°36'11", Nassau County, north of Long Island Railroad at Millburn Court, at Freeport.	4-12-78 6- 2-78 6-27-78 7-26-78 8-23-78 9-26-78	3.0 3.3 2.1 .98 1.0 .80
01310600	0	Lat 40°39'04", long 73°36'13", Nassau County, at Merrick Road, at Baldwin.	6- 1-78 6-27-78 7-26-78 8-24-78	12 8.2 8.4 6.2

Site number	Distance from furthest downstream site (miles)	Measuring Site	Date	Measurement Discharge (ft^3/s)
		Parsonage Creek		
01310660	0.5	Lat 40°39'14", long 73°37'09", Nassau County, at culvert on Merrick Road, at Oceanside.	4-13-78	0.48
			5-30-78	.33
			6-28-78	.20
			8-24-78	.05
			9-25-78	.06
01310670	0.2	Lat 40°38'58", long 73°37'05", Nassau County, at culvert on Wateredge Avenue, at Oceanside.	4-13-78	1.0
			5-30-78	1.0
			6-28-78	.81
			8-24-78	.42
			9-25-78	.41
01310700	0	Lat 40°38'48", long 73°36'59", Nassau County, at culvert on Foxhurst Road, at Oceanside.	5-30-78	2.5
			6-28-78	1.5
			8-24-78	2.2
		Schodack Brook		
01310795	0.7	Lat 40°41'08", long 73°39'07", Nassau County, at culvert on Eagle Avenue, at Lakeview.	4-13-78	0
			5-30-78	.5
			6-28-78	0
			7-27-78	0
			8-23-78	0
			9-25-78	0
01310796	0.5	Lat 40°41'00", long 73°39'10", Nassau County, at culvert on Southern State Parkway, at Lakeview.	4-14-78	0
			5-30-78	0
			6-28-78	0
			7-27-78	0
			8-23-78	0
			9-25-78	0
01310797	0.3	Lat 40°40'49", long 73°39'10", Nassau County, 150 ft downstream from culvert on Melvin Avenue, at Lakeview.	4-14-78	.17
			5-30-78	.19
			6-28-78	.10
			7-27-78	0
			8-23-78	0
			9-25-78	0
01310798	0	Lat 40°40'33", long 73°39'08", Nassau County, 500 ft downstream from culvert on Colonial Road, at Lakeview.	4-14-78	.47
			5-30-78	.61
			6-28-78	.38
			7-27-78	.11
			8-23-78	.01
			9-25-78	0
		Hempstead Lake		
01310794	2.7	Lat 40°41'49", long 73°37'52", Nassau County, tributary to Hempstead Lake, at culvert on President Street, at Hempstead.	4-13-78	2.1
			5-30-78	.79
			6-28-78	1.7
			7-27-78	.46
			8-23-78	.47
			9-25-78	.37
01310800	0.2	Lat 40°40'00", long 73°39'08", Nassau County, outlet of Hempstead Lake, at culvert on Lakeview Road, at Hempstead.	4-13-78	2.6
			5-30-78	3.3
			6-28-78	1.6
			7-27-78	.27
			8-23-78	.16
			9-25-78	.15
01310805	0	Lat 40°39'51", long 73°39'15", Nassau County, outlet of Hempstead Lake, at culvert on Maine Street, at Hempstead.	4-13-78	3.9
			5-30-78	4.0
			6-28-78	2.2
			9-25-78	.82

Site number	Distance from furthest downstream site (miles)	Measuring Site	Date	Measurement Discharge (ft^3/s)
		Pines Brook		
01310880	1.2	Lat 40°41'00", long 73°39'42", Nassau County, at culvert on Taylor Road, at West Hempstead.	4-13-78	0
			6- 2-78	0
			6-29-78	0
			7-26-78	0
01310890	1.0	Lat 40°40'50", long 73°39'44", Nassau County, 150 ft east of Atlas Court, at Malverne.	4-13-78	0
			6- 2-78	.01
			6-29-78	0
			7-26-78	0
01310900	0.8	Lat 40°40'40", long 73°39'46", 100 ft east of Coral Court, at Malverne.	4-13-78	.30
			6- 2-78	.13
01310910	0.5	Lat 40°40'29", long 73°39'46", Nassau County, 300 ft upstream from culvert on Pinebrook Avenue, at Malverne.	4-13-78	.40
01310920	0.3	Lat 40°40'19", long 73°39'44", Nassau County, 600 ft downstream from culvert on Pinebrook Avenue, at Malverne.	4-13-78	.80
			6- 2-78	.43
			6-29-78	.56
			7-26-78	.35
01311000	0	Lat 40°40'01", long 73°39'35", Nassau County, at gaging station at Lakeview Avenue, at Malverne.	4-13-78	1.6
			6- 2-78	1.1
			6-29-78	.35
			7-26-78	.27
			8-23-78	.17
			9-25-78	.21
		Powell Creek		
01311110	0.3	Lat 40°38'50", long 73°38'26", Nassau County, at culvert on Academy Street, at Oceanside.	4-13-78	.19
			5-30-78	.18
			6-28-78	.11
			7-27-78	.05
			8-24-78	.08
			9-25-78	.03
01311120	0	Lat 40"38'40", long 73°38'36", Nassau County, 20 ft upstream from culvert on Woods Avenue, at Oceanside.	4-13-78	.89
			5-30-78	.92
			6-28-78	.92
			7-27-78	.65
			8-24-78	.92
			9-25-78	.37

Site number	Distance from furthest downstream site (miles)	Measuring Site	Date	Measurement Discharge (ft^3/s)
		Motts Creek		
01311182	1.2	Lat 40°39'51", long 73°41'29", Nassau County, at culvert on Oxford Street, at Valley Stream.	4-12-78	0
			5-30-78	0
			6-28-78	0
			7-26-78	0
			8-23-78	0
			9-26-78	0
01311185	1.0	Lat 40°39'23", long 73°41'53", Nassau County, 700 ft upstream from culvert on Rockaway Avenue, at Valley Stream.	4-12-78	.06
			5-30-78	.08
			7-26-78	.08
			8-23-78	.03
			9-26-78	.08
01311187	0.8	Lat 40°39'15", long 73°42'01", Nassau County, 5 ft downstream from culvert on Rockaway Avenue, at Valley Stream.	4-12-78	.13
			5-30-78	.21
			6-28-78	.06
01311190	0.6	Lat 40°39'08", long 73°42'11", Nassau County, 20 ft downstream from culvert on Cochran Place, at Valley Stream.	4-12-78	.29
			5-30-78	.12
			6-28-78	.04
			7-26-78	.01
01311192	0.4	Lat 40°39'07", long 73°42'24", Nassau County, 1,100 ft downstream from culvert on Cochran Place, at Valley Stream.	4-12-78	.45
			5-30-78	.53
			6-28-78	.14
			7-26-78	.05
			9-26-78	.03
01311194	0.2	Lat 40°39'06", long 73°42'34", Nassau County, 15 ft downstream from culvert on Mill Road, at Valley Stream.	4-12-78	.62
			5-30-78	.36
			6-28-78	.17
			9-26-78	.06
01311200	0	Lat 40°39'01", long 73°42'45", Nassau County, 50 ft downstream from bridge on Rosedale Road, at Valley Stream.	4-12-78	.69
			5-30-78	.56
			6-28-78	.16

Samples are collected at sites other than gaging stations and partial-record stations to give better areal coverage in a river basin. Such sites are referred to as miscellaneous sites.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)
01304051 - STONY BROOK R AT STONY BROOK NY (LAT 40 54 53 LONG 073 08 52)											
OCT , 1977											
31...	1200	--	165	6.3	11.0	8.0	50	24	12	4.8	11
APR , 1978											
18...	1545	2.8	165	6.4	13.5	11.1	53	34	14	4.4	12
01304060 - TRIBUTARY TO CONSCIENCE BAY AT SETAUKET NY (LAT 40 56 49 LONG 073 07 01)											
OCT , 1977											
25...	1600	1.5	150	7.2	13.0	11.0	48	22	12	4.3	11
APR , 1978											
18...	1500	2.2	165	6.4	14.0	12.4	58	34	16	4.5	15
01304065 - TRIB TO SETAUKET HARBOR AT E SETAUKET NY (LAT 40 56 35 LONG 073 06 08)											
OCT , 1977											
25...	1500	--	200	6.7	13.0	8.7	75	28	18	7.3	14
APR , 1978											
18...	1245	.46	235	6.4	15.0	8.2	85	53	24	6.2	15
01304070 - TRIBUTARY TO PORT JEFFERSON HARBOR NY (LAT 40 56 41 LONG 073 04 18)											
OCT , 1977											
25...	1430	--	225	6.4	13.0	6.9	57	23	13	6.0	21
APR , 1978											
18...	1200	.29	170	6.1	13.5	9.1	51	22	13	4.6	14
01304075 - CRYSTAL BK AT MOUNT SINAI NY (LAT 40 56 59 LONG 073 02 34)											
APR , 1978											
18...	1030	--	150	6.1	10.5	9.0	34	11	7.5	3.6	15
01304990 - CARMANS RIVER AT MIDDLE ISLAND NY (LAT 40 51 47 LONG 072 56 35)											
OCT , 1977											
31...	1330	.28	95	5.9	10.0	9.0	16	4	3.9	1.5	4.6
APR , 1978											
17...	0930	3.8	130	5.8	9.0	11.3	34	28	10	2.2	9.5
01304995 - CARMANS RIVER NEAR YAPHANK NY (LAT 40 50 29 LONG 072 56 13)											
OCT , 1977											
31...	1415	7.3	90	6.6	10.0	9.0	27	8	6.4	2.6	6.0
APR , 1978											
17...	1030	14	98	6.0	11.0	11.6	27	9	7.0	2.4	7.1
01304998 - CARMANS RIVER BELOW LOWER LAKE AT YAPHANK NY (LAT 40 50 07 LONG 072 55 01)											
OCT , 1977											
31...	1500	13	105	6.5	11.0	12.6	31	14	7.5	3.0	6.8
APR , 1978											
17...	1115	23	100	6.3	12.0	12.6	29	13	7.4	2.6	7.4

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)
01304051 - STONY BROOK R AT STONY BROOK NY (LAT 40 54 53 LONG 073 08 52)											
OCT , 1977											
31...	1.6	31	0	25	20	15	.0	13	93	2.4	1.6
APR , 1978											
18...	1.3	23	0	19	22	19	.0	12	109	2.9	2.9
01304060 - TRIBUTARY TO CONSCIENCE BAY AT SETAUKET NY (LAT 40 56 49 LONG 073 07 01)											
OCT , 1977											
25...	2.4	31	0	25	18	15	.0	8.5	87	1.1	2.0
APR , 1978											
18...	1.9	30	0	25	19	20	.1	6.8	103	--	1.1
01304065 - TRIB TO SETAUKET HARBOR AT E SETAUKET NY (LAT 40 56 35 LONG 073 06 08)											
OCT , 1977											
25...	3.3	57	0	47	25	19	.0	11	126	2.5	2.0
APR , 1978											
18...	2.6	39	0	32	24	24	.0	9.9	140	3.6	3.4
01304070 - TRIBUTARY TO PORT JEFFERSON HARBOR NY (LAT 40 56 41 LONG 073 04 18)											
OCT , 1977											
25...	2.4	42	0	34	12	35	.0	13	125	1.5	--
APR , 1978											
18...	1.2	36	0	30	9.9	21	.0	12	106	3.0	2.5
01304075 -- CRYSTAL BK AT MOUNT SINAI NY (LAT 40 56 59 LONG 073 02 34)											
APR , 1978											
18...	1.1	27	0	22	12	24	.0	8.4	86	.27	.24
01304990 - CARMANS RIVER AT MIDDLE ISLAND NY (LAT 40 51 47 LONG 072 56 35)											
OCT , 1977											
31...	1.4	14	0	11	11	6.5	.0	9.5	46	.02	.06
APR , 1978											
17...	1.8	7	0	6	21	14	.0	7.5	76	1.4	1.4
01304995 - CARMANS RIVER NEAR YAPHANK NY (LAT 40 50 29 LONG 072 56 13)											
OCT , 1977											
31...	1.1	23	0	19	11	8.3	.0	12	59	.59	--
APR , 1978											
17...	1.3	22	0	18	13	9.5	.0	9.7	63	.63	.45
01304998 - CARMANS RIVER BELOW LOWER LAKE AT YAPHANK NY (LAT 40 50 07 LONG 072 55 01)											
OCT , 1977											
31...	1.3	21	0	17	13	11	.0	7.0	60	.81	--
APR , 1978											
17...	1.2	20	0	16	14	9.3	.0	8.7	64	.89	.85

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
01304051 - STONY BROOK R AT STONY BROOK NY (LAT 40 54 53 LONG 073 08 52)										
OCT , 1977										
31...	.01	.02	.04	.19	2.6	.02	.00	190	30	.00
APR , 1978										
18...	.01	.01	.02	.42	3.3	.02	.00	240	40	.00
01304060 - TRIBUTARY TO CONSCIENCE BAY AT SETAUKET NY (LAT 40 56 49 LONG 073 07 01)										
OCT , 1977										
25...	.02	.02	.06	.38	1.5	.03	.00	550	80	.00
APR , 1978										
18...	.01	.01	.04	.57	1.3	.03	.00	700	170	.00
01304065 - TRIB TO SETAUKET HARBOR AT E SETAUKET NY (LAT 40 56 35 LONG 073 06 08)										
OCT , 1977										
25...	.02	.01	.23	.52	3.0	.03	.00	580	70	.10
APR , 1978										
18...	.01	.02	.27	1.1	4.7	.07	.00	4400	190	.10
01304070 - TRIBUTARY TO PORT JEFFERSON HARBOR NY (LAT 40 56 41 LONG 073 04 18)										
OCT , 1977										
25...	.00	.01	.00	.00	1.5	.00	.00	3000	180	.00
APR , 1978										
18...	.01	.01	.04	.37	3.4	.01	.00	1500	110	.10
01304075 - CRYSTAL BK AT MOUNT SINAI NY (LAT 40 56 59 LONG 073 02 34)										
APR , 1978										
18...	.01	.01	.04	.25	.53	.01	.00	570	30	.00
01304990 - CARMANS RIVER AT MIDDLE ISLAND NY (LAT 40 51 47 LONG 072 56 35)										
OCT , 1977										
31...	.00	.00	.00	.16	.18	.02	.00	570	390	.00
APR , 1978										
17...	.00	.00	.01	.21	1.6	.00	.00	190	20	.00
01304995 - CARMANS RIVER NEAR YAPHANK NY (LAT 40 50 29 LONG 072 56 13)										
OCT , 1977										
31...	.00	.01	.01	.13	.72	.01	.00	110	10	.00
APR , 1978										
17...	.00	.00	.02	.25	.88	.00	.00	160	20	.00
01304998 - CARMANS RIVER BELOW LOWER LAKE AT YAPHANK NY (LAT 40 50 07 LONG 072 55 01)										
OCT , 1977										
31...	.00	.00	.00	.01	.82	.01	.00	180	10	.00
APR , 1978										
17...	.01	.01	.01	.28	1.2	.00	.00	220	40	.00

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)
01305040 - CARMANS R AT SOUTHHAVEN NY (LAT 40 48 09 LONG 072 53 09)											
OCT , 1977											
31...	1030	40	107	6.5	9.5	10.7	26	9	6.3	2.4	9.0
APR , 1978											
17...	1345	68	108	5.9	11.0	11.7	27	10	6.8	2.4	9.1
01306440 - CONNETQUOT BROOK AT CENTRAL ISLIP NY (LAT 40 47 33 LONG 073 09 58)											
JUN , 1978											
20...	1615	8.8	99	6.7	18.5	7.5	23	6	5.2	2.4	9.5

DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)
01305040 - CARMANS R AT SOUTHHAVEN NY (LAT 40 48 09 LONG 072 53 09)											
OCT , 1977											
31...	1.2	20	0	16	10	13	.0	10	62	.69	.56
APR , 1978											
17...	1.1	20	0	16	11	13	.0	9.6	66	.75	.73
01306440 - CONNETQUOT BROOK AT CENTRAL ISLIP NY (LAT 40 47 33 LONG 073 09 58)											
JUN , 1978											
20...	1.1	20	0	16	6.7	14	.0	11	64	--	.99

DATE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
01305040 - CARMANS R AT SOUTHHAVEN NY (LAT 40 48 09 LONG 072 53 09)										
OCT , 1977										
31...	.00	.01	.01	.15	.84	.01	.00	200	10	.00
APR , 1978										
17...	.00	.01	.00	.01	.76	.01	.00	280	60	.00
01306440 - CONNETQUOT BROOK AT CENTRAL ISLIP NY (LAT 40 47 33 LONG 073 09 58)										
JUN , 1978										
20...	--	.01	.06	--	--	--	--	260	200	--

LONG ISLAND

AT EAST MEADOW, NY

LOCATION.--Lat 40°44'36", long 73°35'10", Nassau County, at the New York State Department of Environmental Conservation Air Quality Station on roof of trailer at Merrick Avenue, Eisenhower Park, East Meadow.

PERIOD OF RECORD.--Water years: August 1976 to current year (monthly composite).

EQUIPMENT.--The sample collector is a straight-sided polyethelene funnel, approximately 6.0 in (0.15 m) in diameter, which drains into a 2-liter Teflon* receiving bottle. The receiving bottle is enclosed in an insulated box which is heated during the cold weather season to aid in full collection of snow. The opening for the collector is approximately 12 ft (4 m) above ground level.

REMARKS.--Inches of precipitation is that recorded by the U.S. Geological Survey for the period of sampling.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

PERIOD OF COLLECTION	INCHES OF PRECIPI-TATION	CAL-CIUM (CA) (MG/L)	MAGNE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	POTAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLO-RIDE (CL) (MG/L)
77/09/26 TO 77/10/18	5.36	.71	.37	1.20	.05	--	2.60	2.10
77/10/18 TO 77/11/01	2.76	.58	.21	.37	.04	--	2.20	.74
77/11/01 TO 77/11/09	5.19	.33	.18	.90	.04	3	.40	1.80
77/11/09 TO 77/12/01	3.94	1.10	.46	.43	.03	11	2.30	.78
77/12/01 TO 78/01/03	4.77	1.30	.55	.87	.04	0	5.20	1.80
78/01/03 TO 78/01/30	6.48	.91	.53	3.20	.03	--	2.40	4.70
78/03/01 TO 78/04/03	2.45	2.40	2.10	4.30	.11	5	6.40	6.20
78/04/03 TO 78/05/01	2.02	2.40	1.30	1.10	.28	5	5.50	1.90
78/05/01 TO 78/05/26	5.66	.81	.41	.78	.07	--	2.80	1.20
78/05/26 TO 78/06/30	1.51	----	---	---	---	--	9.20	1.30
78/06/30 TO 78/08/01	2.93	1.60	.75	.18	.23	9	3.10	.88
78/08/01 TO 78/09/01	3.97	1.30	.60	.35	1.50	10	3.20	.74
78/09/01 TO 78/10/02	2.13	2.00	.84	.07	1.00	--	11.00	1.60

PERIOD OF COLLECTION	FLUO-RIDE (F) (MG/L)	NIT-RITE+ NIT-RATE AS N (MG/L)	AMMONIA AS N (MG/L)	PHOS-PHORUS (P) (MG/L)	SPE-CIFIC CON-DUCTANCE (MICRO-MHOS)	PH (UNITS)	ACIDITY AS H (MG/L)	LEAD (PB) (UG/L)
77/09/26 TO 77/10/18	.0	.362	.246	.000	30	4.00	.168	48
77/10/18 TO 77/11/01	.0	.605	.353	.007	29	4.00	.111	63
77/11/01 TO 77/11/09	.0	.059	.051	.003	10	4.90	.076	11
77/11/09 TO 77/12/01	.0	.443	.367	.000	17	4.60	.165	51
77/12/01 TO 78/01/03	.0	.696	.295	.007	27	5.30	.132	51
78/01/03 TO 78/01/30	.0	.257	.176	.010	32	5.40	.060	19
78/03/01 TO 78/04/03	.1	1.600	.770	.002	61	6.90	.052	81
78/04/03 TO 78/05/01	.0	1.100	.865	.001	39	6.20	.064	100
78/05/01 TO 78/05/26	.0	.411	.207	.000	20	5.10	.080	85
78/05/26 TO 78/06/30	.1	1.500	.842	.029	49	5.20	.064	150
78/06/30 TO 78/08/01	.0	.500	1.000	.079	32	6.65	.052	73
78/08/01 TO 78/09/01	.0	.277	.568	.199	24	6.00	.075	70
78/09/01 TO 78/10/02	.1	1.400	1.300	.115	76	3.75	.177	120

* The use of the brand name in this report is for identification purposes only and does not imply endorsement by the U.S. Geological Survey.

LONG ISLAND

AT UPTON, NY

LOCATION.--Lat 40°52'16", long 72°53'20", Suffolk County, at the Brookhaven National Laboratory weather tower, about 0.6 mi (1.0 km) north of main entrance, at Upton.

PERIOD OF RECORD.--Water years: 1965 to 1973, 1975 to current year (monthly composite).

EQUIPMENT.--The sample collector is a straight-sided glass funnel, approximately 6.5 (0.17 m) in diameter, which drains into a polyethylene receiving bottle. A fritted glass disk is used as a filter between the collector and the receiving bottle and is replaced at the end of each collection period. The receiving bottle is enclosed in an insulated box which is heated during the cold weather season to aid in full collection of snow. The opening for the collector is approximately 4 ft (1.2 m) above ground level and is protected by a windshield.

REMARKS.--Inches of precipitation is that recorded by Brookhaven National Laboratory for the period of sampling.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

PERIOD OF COLLECTION	INCHES OF PRECIPI-TATION	CAL-CIUM (CA) (MG/L)	MAGNE-SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	POTAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLO-RIDE (CL) (MG/L)
77/09/30 TO 77/11/01	6.12	.70	.27	1.80	.05	--	1.60	2.80
77/11/01 TO 77/12/01	7.50	.39	.32	2.30	.08	--	1.40	3.70
77/12/01 TO 78/01/10	7.34	.25	.21	1.70	.07	--	1.40	2.20
78/01/10 TO 78/02/01	9.13	.21	.12	2.30	.20	--	1.10	1.60
78/03/01 TO 78/04/01	3.33	.45	.47	3.00	.23	--	5.90	4.60
78/04/01 TO 78/05/02	2.39	.60	.21	1.00	.13	--	3.30	1.80
78/05/02 TO 78/05/31	6.47	.32	.15	.95	.10	--	2.50	1.20
78/05/31 TO 78/07/05	4.02	.30	.16	.65	.11	--	2.90	1.10
78/07/05 TO 78/08/01	1.71	----	---	---	---	--	-----	---
78/08/01 TO 78/09/06	5.49	.13	.06	.34	.05	--	2.30	.32
78/09/06 TO 78/10/03 E	4.10	.24	.17	1.10	.11	--	4.20	1.70

PERIOD OF COLLECTION	FLUO-RIDE (F) (MG/L)	NITRITE+ NITRATE AS N (MG/L)	AMMONIA AS N (MG/L)	PHOS-PHORUS (P) (MG/L)	SPE-CIFIC CON-DUCTANCE (MICRO-MHOS)	PH (UNITS)	ACIDITY AS H (MG/L)	LEAD (PB) (UG/L)
77/09/30 TO 77/11/01	.0	.383	.044	.003	37	3.80	.140	220
77/11/01 TO 77/12/01	.0	.249	.035	.001	33	3.90	.102	160
77/12/01 TO 78/01/10	.0	.189	.066	.001	23	4.30	.068	15
78/01/10 TO 78/02/01	.0	.112	.115	.000	14	5.00	.064	5
78/03/01 TO 78/04/01	.0	.871	.252	.007	47	4.60	.128	94
78/04/01 TO 78/05/02	.0	.536	.174	.000	35	4.40	.098	160
78/05/02 TO 78/05/31	.0	.277	.130	.000	26	4.40	.083	150
78/05/31 TO 78/07/05	.0	.328	.174	.011	21	4.75	.061	120
78/07/05 TO 78/08/01	--	.741	.152	.001	49	4.10	.119	30
78/08/01 TO 78/09/06	.0	.473	.085	.002	37	3.85	.121	49
78/09/06 TO 78/10/03	.0	.679	.246	.000	63	3.75	.172	74

E Estimated

KINGS COUNTY

404149073571202. Local number, K 30-2.
LOCATION.--Lat 40°41'49", long 73°57'12", Hydrologic Unit 02030201, at Sanford Street near Park Avenue, Williamsburg.
Owner: Williamsburg Industrial Development Enterprises, Inc.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Driven observation water-table well, diameter 1.25 in (0.03 m), depth 18 ft (6 m), screened 13 to 18 ft (4 to 5 m).
DATUM.--Land-surface datum is 21.0 ft (6.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.44 ft (0.13 m) below land-surface datum.
PERIOD OF RECORD.--June 1935 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.72 ft (1.74 m) NGVD, Sept. 27, 1978. lowest measured, -29.75 ft (9.07 m) NGVD, Nov. 8, 1941.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 27	5.72										

433818073581001. Local number, K 530.
LOCATION.--Lat 43°38'18", long 73°58'10", Hydrologic Unit 02030202, at 912 Cortelyou Road, Flatbush.
Owner: J. Morea.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 18 in (0.46 m), depth 145 ft (44 m), screened 95 to 145 ft (29 to 44 m).
DATUM.--Land-surface datum is 40.1 ft (12.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.25 in (0.03 m) nipple, 7.21 ft (2.20 m) below land-surface datum.
PERIOD OF RECORD.--June 1946 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.99 ft (2.74 m) NGVD, Oct. 7, 1975; lowest measured, -11.57 ft (3.53 m) NGVD, June 5, 1946.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 3	8.54	APR 4	8.89	JUN 23	8.81						

NASSAU COUNTY

404043073413001. Local number, N 7.
LOCATION.--Lat 40°40'43", long 73°41'30", Hydrologic Unit 02030202, at Corona Avenue and Remsen Street, Valley Stream. Owner: Long Island State Park Commission.
AQUIFER.--Lloyd.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (0.25 m), depth 911 ft (278 m), screened 851 to 911 ft (259 to 278 m).
DATUM.--Land-surface datum is 20.8 ft (6.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of reducer, 2.16 ft (0.66 m) above land-surface datum.
PERIOD OF RECORD.--July 1936 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.75 ft (3.89 m) NGVD, Mar. 9, 1941; lowest measured, -6.84 ft (2.08 m) NGVD, Aug. 25, 1970.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 5	2.87	FEB 2	4.41	APR 3	2.03	JUN 20	1.84	SEP 28	1.07		

NASSAU COUNTY--Continued

404048073412501. Local number, N 9.
LOCATION.--Lat 40°40'48", long 73°41'25", Hydrologic Unit 02030202, at Corona Avenue and Remsen Street, Valley Stream. Owner: Long Island State Park Commission.
AQUIFER.--Magothy.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (0.15 m) to 4 in (0.10 m), depth 138 ft (42 m), screened 98 to 138 ft (30 to 42 m).
DATUM.--Land-surface datum is 23.2 ft (7.07 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.48 ft (0.45 m) above land-surface datum.
PERIOD OF RECORD.--July 1936 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.57 ft (7.18 m) NGVD, Sept. 23, 1938; lowest measured, 9.96 ft (3.03 m) NGVD, Dec. 19, 1974.

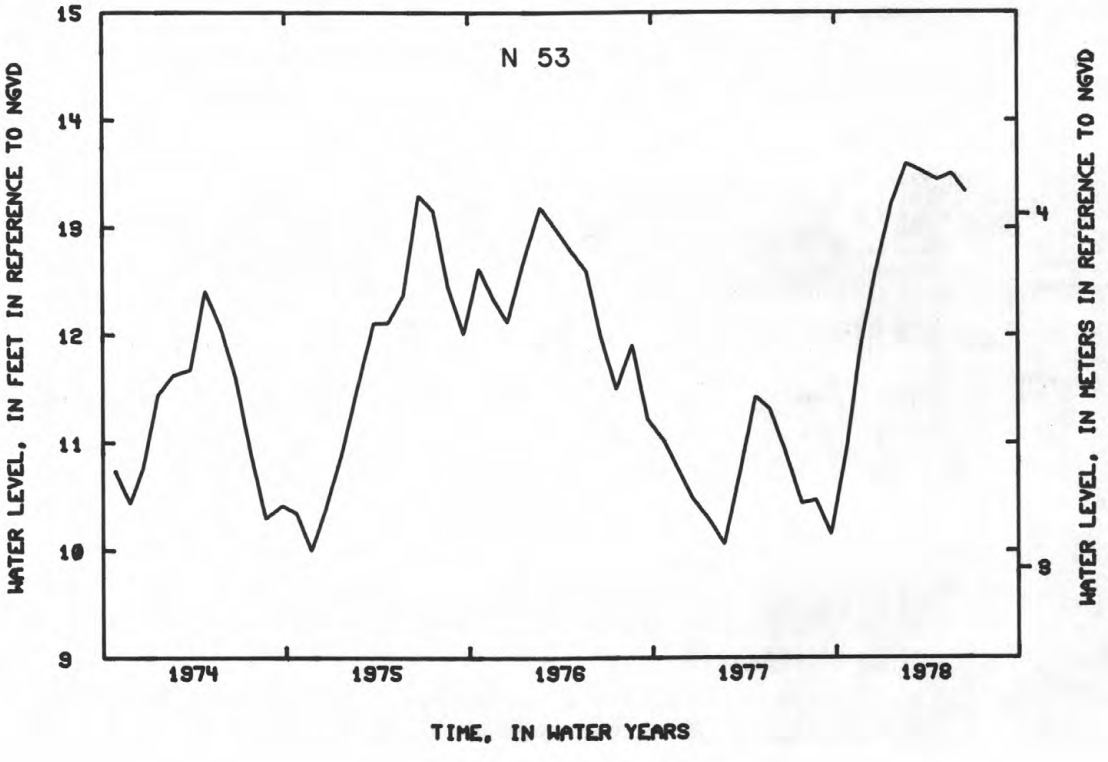
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 5	12.24	APR 3	13.54	JUN 20	12.86	SEP 28	10.94				

403930073382901. Local number, N 53.
LOCATION.--Lat 40°39'30", long 73°38'29", Hydrologic Unit 02030202, at Maple and Morris Avenues, Rockville Centre. Owner: Village of Rockville Centre.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 8 in (0.20 m), depth 45 ft (14 m), screen assumed at bottom.
DATUM.--Land-surface datum is 26.2 ft (8.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 5.13 ft (1.56 m) below land-surface datum.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for August 1934 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.49 ft (5.03 m) NGVD, Apr. 15, 1939; lowest measured, 7.85 ft (2.39 m) NGVD, Aug. 30, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	10.98	DEC 22	12.58	FEB 23	13.59	APR 24	13.44	MAY 22	13.50	JUN 19	13.33
NOV 22	11.89	JAN 24	13.22	MAR 23	13.52						

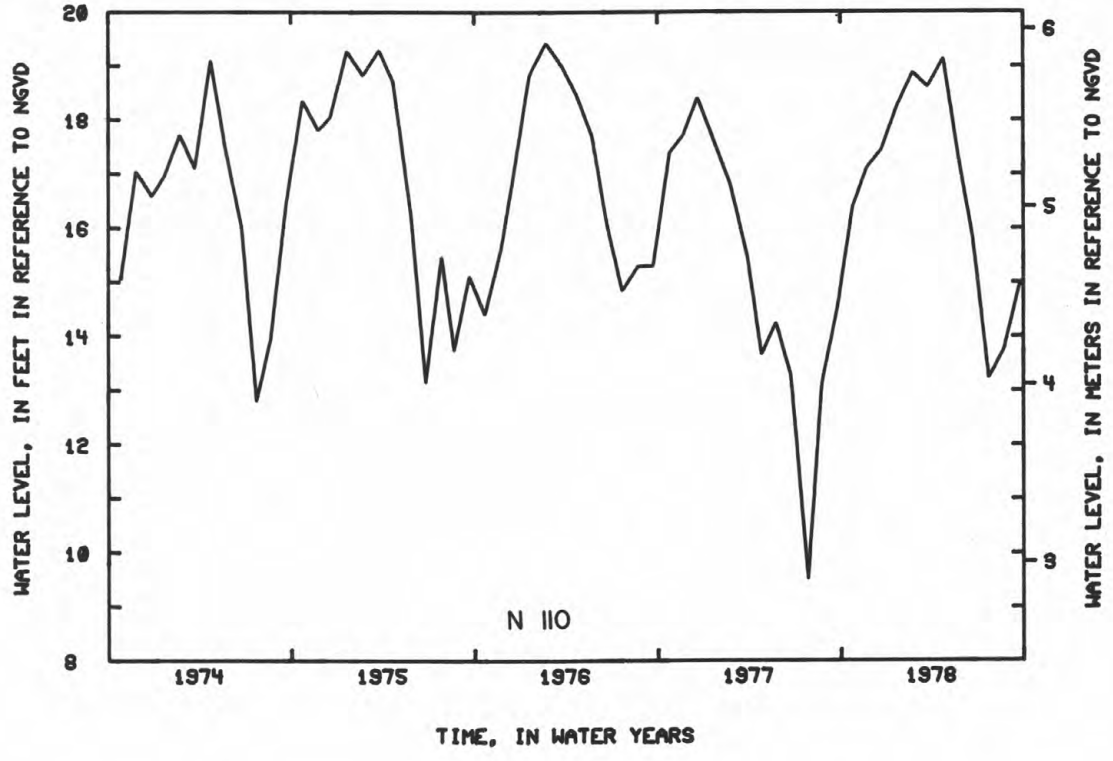


NASSAU COUNTY--Continued

404931073382001. Local number, N 110.
LOCATION.--Lat 40°49'31", long 73°38'20", Hydrologic Unit 02030201, at Scudders Lane and Motts Cove Road, Glenwood Landing. Owner: Jericho Water District.
AQUIFER.--Lloyd.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 16 in (0.41 m), depth 519 ft (158 m), screened 445 to 515 ft (136 to 157 m).
DATUM.--Land-surface datum is 56.1 ft (17.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4 in (0.10 m) nipple, 0.50 ft (0.15 m) above land-surface datum.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for 1946-48, 1952, 1955, 1961, 1965, 1970-75, are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.99 ft (8.53 m) NGVD, Dec. 15, 1970; lowest measured, -9.05 ft (2.76 m) NGVD, May 22, 1957.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	16.38	DEC 22	17.44	FEB 24	18.87	APR 24	19.13	JUN 21	15.82	AUG 23	13.76
NOV 23	17.11	JAN 23	18.25	MAR 23	18.60	MAY 23	17.32	JUL 23	13.22	SEP 25	15.00



404029073294201. Local number, N 180.
LOCATION.--Lat 40°40'29", long 73°29'42", Hydrologic Unit 02030202, at Sunrise Highway and Seamans Neck Road, Seaford. Owner: City of New York.
AQUIFER.--Magothy.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (0.10 m) to 6 in (0.15 m), depth 762 ft (232 m), screen assumed at bottom.
DATUM.--Land-surface datum is 15.3 ft (4.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 14.39 ft (4.38 m) above land-surface datum.
PERIOD OF RECORD.--October 1945 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.08 ft (6.43 m) NGVD, June 6, 1952; lowest measured, 12.11 ft (3.69 m) NGVD, June 28, 1976.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 4	16.11	APR 3	17.53	JUN 19	14.64	SEP 27	15.53				

404609073421602. Local number, N 1102-2.
LOCATION.--Lat 40°46'09", long 73°42'16", Hydrologic Unit 02030201, at Long Island Expressway and Community Drive, Lake Success. Owner: Nassau County Department of Public Works.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 4 in (0.10 m), depth 166 ft (51 m), screened 161 to 166 ft (49 to 51 m).
DATUM.--Land-surface datum is 184.0 ft (56 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.32 ft (0.10 m) below land-surface datum.
PERIOD OF RECORD.--April 1939 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 59.12 ft (18.02 m) NGVD, May 25, 1953; lowest measured, 29.08 ft (8.86 m) NGVD, Oct. 1, 1969.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 12	33.04 G	JAN 5	33.34	MAR 28	34.28 G	APR 3	33.68	JUN 19	34.34	SEP 28	33.41

404039073420001. Local number, N 1110.
LOCATION.--Lat 40°40'39", long 73°42'00", Hydrologic Unit 02030202, at Henry Street, near Southern State Parkway, North Valley Stream. Owner: Nassau County Department of Public Works.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Driven observation water-table well, diameter 1.25 in (0.03 m), depth 27 ft (8 m), screened 25 to 27 ft (7.6 to 8.2 m).
DATUM.--Land-surface datum is 30.9 ft (9.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.05 ft (0.02 m) below land-surface datum.
REMARKS.--Water-quality records for 1966 and 1968 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--April 1939 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.05 ft (6.42 m) NGVD, Apr. 21, 1939; lowest measured, 7.15 ft (2.18 m) NGVD, Dec. 21, 1976.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 12	9.45 G	MAR 28	11.80 G	MAY 31	11.15	JUN 27	10.07	AUG 24	8.43	SEP 26	8.59
JAN 5	10.50	APR 6	11.71	JUN 20	10.94	JUL 26	8.93				

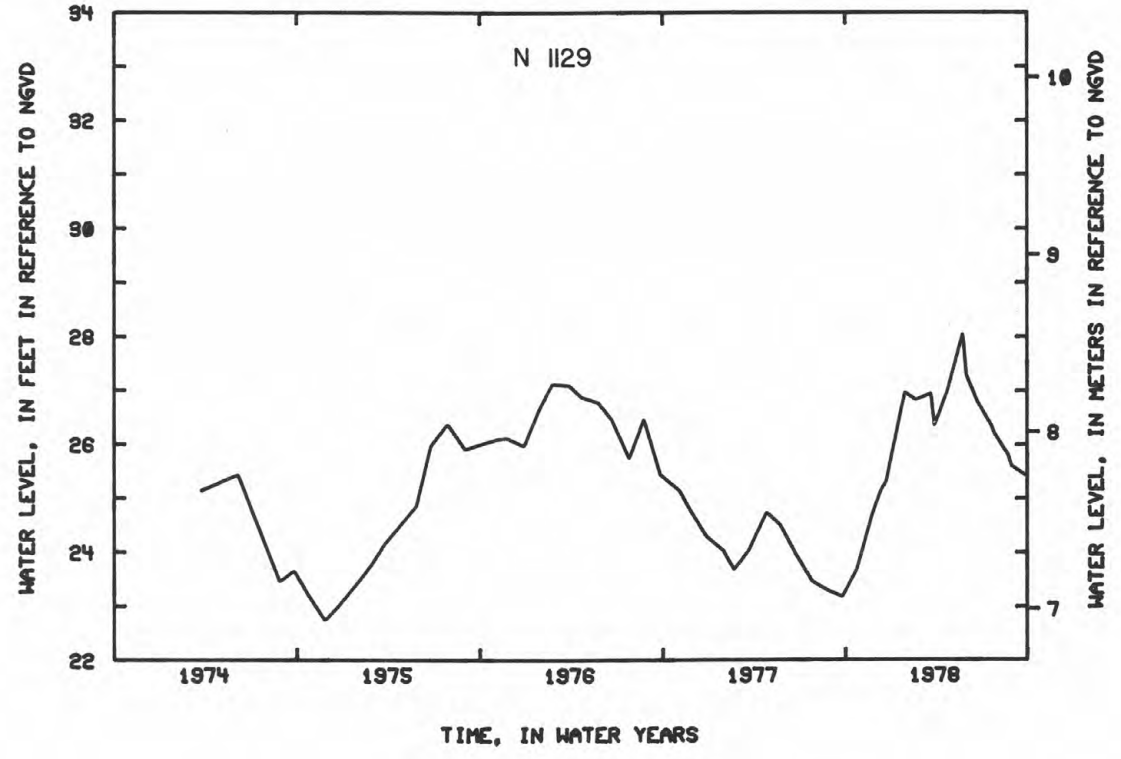
G MEASUREMENT BY ANOTHER AGENCY

NASSAU COUNTY--Continued

404125073394802. Local number, N 1129-2.
LOCATION.--Lat 40°41'25", long 73°39'48", Hydrologic Unit 02030202, at Hawthorne Street and Euclid Avenue, West Hempstead. Owner: Nassau County Department of Public Works.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Driven observation water-table well, diameter 1.25 in (0.03 m), depth 44 ft (13 m), screened 41 to 44 ft (12 to 13 m).
DATUM.--Land-surface datum is 50.8 ft (15.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.26 ft (0.08 m) below land-surface datum.
REMARKS.--Water-quality records for 1966, 1968, 1975-1977 are available in files of Long Island Sub-district office; those for 1978 are published elsewhere in this report.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for August 1937 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 33.79 ft (10.30 m) NGVD, Sept. 28, 1938; lowest measured, 21.85 ft (6.66 m) NGVD, Sept. 20, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	23.69	DEC 23	25.31	MAR 21	26.94 G	MAY 24	28.04	JUN 28	26.70	AUG 24	25.80
NOV 25	24.69	JAN 30	26.96	28	26.34	31	27.27	JUL 21	26.33	30	25.60
DEC 12	25.14 G	FEB 21	26.82	APR 24	27.00	JUN 22	26.81	27	26.19	SEP 27	25.43



404840073311902. Local number, N 1212.
LOCATION.--Lat 40°48'40", long 73°31'19", Hydrologic Unit 02030202, at Jericho Turnpike and Eileen Way, Locust Grove. Owner: Nassau County Department of Public Works.
AQUIFER.--Magothy.
WELL CHARACTERISTICS.--Driven observation artesian well, diameter 4 in (0.10 m), depth 185 ft (64 m), screened 179 to 185 ft (55 to 56 m).
DATUM.--Land-surface datum is 227.2 ft (69.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 0.54 ft (0.16 m) below land-surface datum.
PERIOD OF RECORD.--January 1943 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 90.83 ft (27.68 m) NGVD, Sept. 28, 1978; lowest measured 73.00 ft (22.25 m) NGVD, Apr. 25, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 5	87.39	MAR 28	89.16	JUN 19	90.49	SEP 28	90.83				

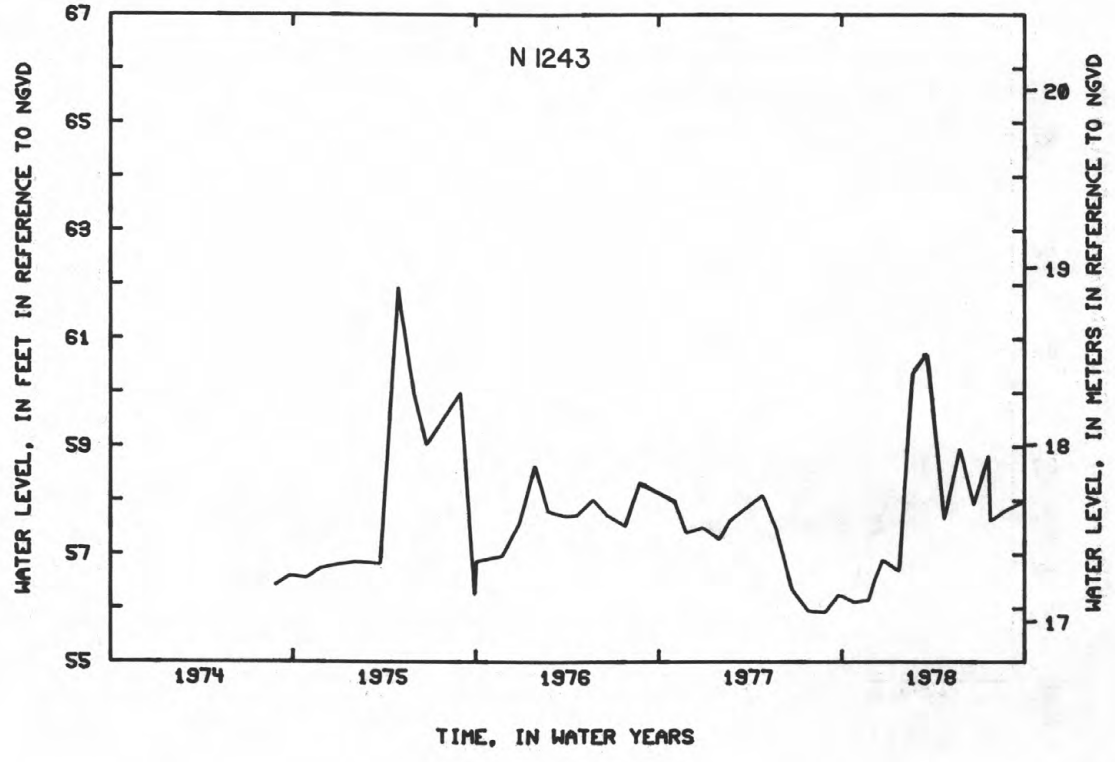
G MEASUREMENT BY ANOTHER AGENCY

NASSAU COUNTY--Continued

405027073272002. Local number, N 1243-5.
LOCATION.--Lat 40°50'27", long 73°27'20", Hydrologic Unit 02030201, at Stillwell and Harbor Roads, Cold Spring.
Owner: Nassau County Department of Public Works.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Driven observation water-table well, diameter 1.25 in (0.03 m), depth 28 ft (9 m), screened 25 to 28 ft (7.6 to 8.5 m).
DATUM.--Land-surface datum is 63.1 ft (19.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.10 ft (0.03 m) below land-surface datum.
REMARKS.--Water-quality records for 1960 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for November 1939 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 61.95 ft (18.88 m) NGVD, Apr. 29, 1975; lowest measured, 48.03 ft (14.64 m) NGVD, Feb. 24, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	56.12	DEC 23	56.90	MAR 20	56.59 G	MAY 25	58.97	JUL 21	58.84	AUG 28	57.84
NOV 25	56.16	JAN 25	56.69	21	60.70	JUN 22	57.92	24	57.62	SEP 27	57.97
DEC 8	56.56 G	FEB 21	60.36	APR 24	57.65						

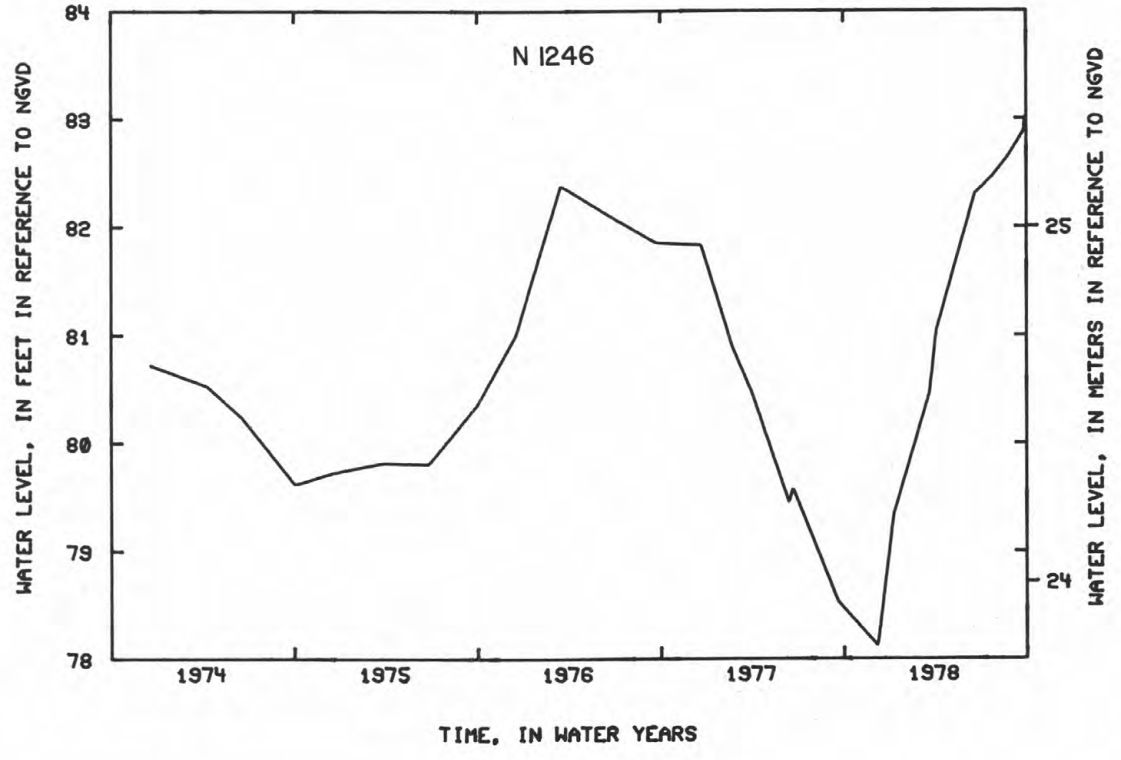


G MEASUREMENT BY ANOTHER AGENCY

404704073264201. Local number, N 1246.
LOCATION.--Lat 40°47'04", long 73°26'42", Hydrologic Unit 02030202, at Round Swamp and Old Country Roads, Plainview. Owner: Nassau County Department of Public Works.
AQUIFER.--Magothy.
WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 4 in (0.10 m), depth 125 ft (38 m), screen assumed at bottom.
DATUM.--Land-surface datum is 184.9 ft (56.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.08 ft (0.02 m) above land-surface datum.
REMARKS.--Water-quality records for 1971 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--May 1940 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 83.07 ft (25.32 m) NGVD, Sept. 28, 1978; lowest measured, 68.29 ft (20.81 m) NGVD, Apr. 25, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 8	78.12 G	MAR 20	80.46 G	JUN 20	82.31	JUL 26	82.47	AUG 23	82.63	SEP 25	82.87
JAN 9	79.33	APR 3	81.03	27	82.33					28	83.07



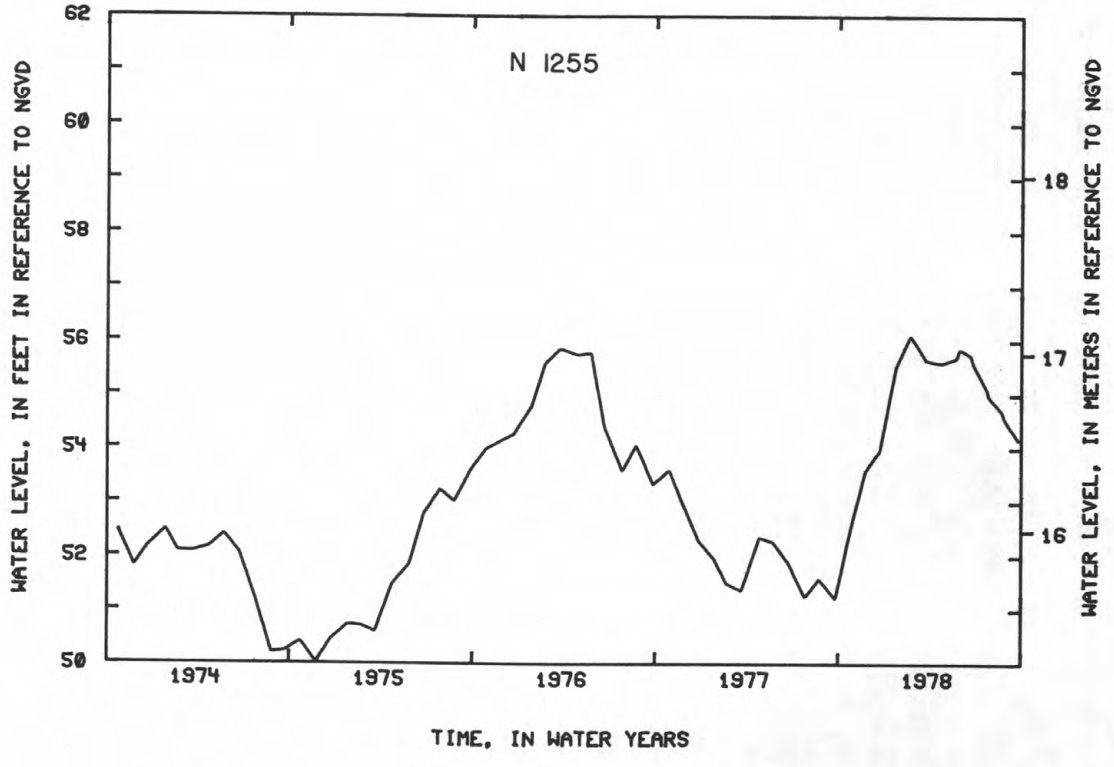
G MEASUREMENT BY ANOTHER AGENCY

NASSAU COUNTY--Continued

404339073371403. Local number, N 1255-3.
LOCATION.--Lat 40°43'39", long 73°37'14", Hydrologic Unit 02030202, at Clinton Road and Saint James Street, Garden City. Owner: Nassau County Department of Public Works.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Driven observation water-table well, diameter 1.25 in (0.03 m), depth 35 ft (11 m), screen assumed at bottom.
DATUM.--Land-surface datum is 79.3 ft (24.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.61 ft (0.19 m) below land-surface datum. Prior to September 1, 1977, measuring point was 0.04 ft (0.01 m) above land-surface datum.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for May 1913 to November 1918, June 1936 to September 1975, are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 65.59 ft (19.99 m) NGVD, Apr. 15, 1939; lowest measured 47.48 ft (14.47 m) NGVD, Feb. 24, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	52.50	JAN 24	55.51	MAR 24	55.64 G	MAY 30	55.86	JUL 24	55.09	AUG 28	54.55
NOV 25	53.59	FEB 23	56.11	APR 24	55.59	JUN 22	55.73	26	54.98	SEP 25	54.17
DEC 19	53.92 G	MAR 21	55.69	MAY 24	55.69	27	55.57	AUG 23	54.69	26	54.17
23	53.95										



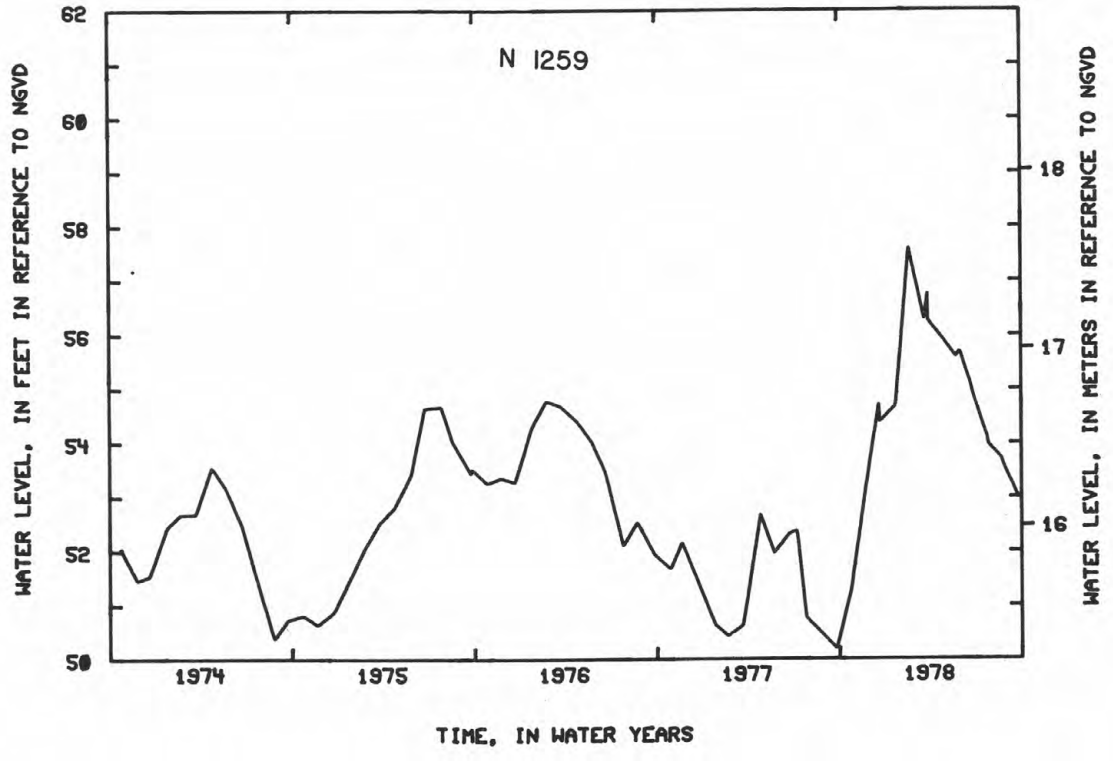
G MEASUREMENT BY ANOTHER AGENCY

NASSAU COUNTY--Continued

404317073290901. Local number, N 1259-5.
LOCATION.--Lat 40°43'17", long 73°29'09", Hydrologic Unit 02030202, at Hicksville Road and Mary Lane, Plainedge.
Owner: Nassau County Department of Public Works.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Driven observation water-table well, diameter 1.25 in (0.03 m), depth 41 ft (12 m), screened 38 to 41 ft (11.6 to 12.5 m)
DATUM.--Land-surface datum is 78.4 ft (23.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.32 ft (0.10 m) below land-surface datum.
PERIOD OF RECORD.--January 1909 to April 1910, January 1912 to December 1916, February 1930 to December 1935, March 1937 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 57.60 ft (17.56 m) NGVD, February 21, 1978; lowest measured, 45.61 ft (13.90 m) NGVD, Aug. 25, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	51.29	JAN 24	54.68	MAR 29	56.25	MAY 31	55.70	JUL 24	54.13	AUG 28	53.56
NOV 25	53.18	FEB 21	57.60	APR 24	55.96	JUN 22	55.10	28	53.96	SEP 25	53.01
DEC 21	54.72 G	MAR 21	56.28	MAY 24	55.58	27	54.90	AUG 23	53.71	26	52.99
23	54.38	28	56.76 G								



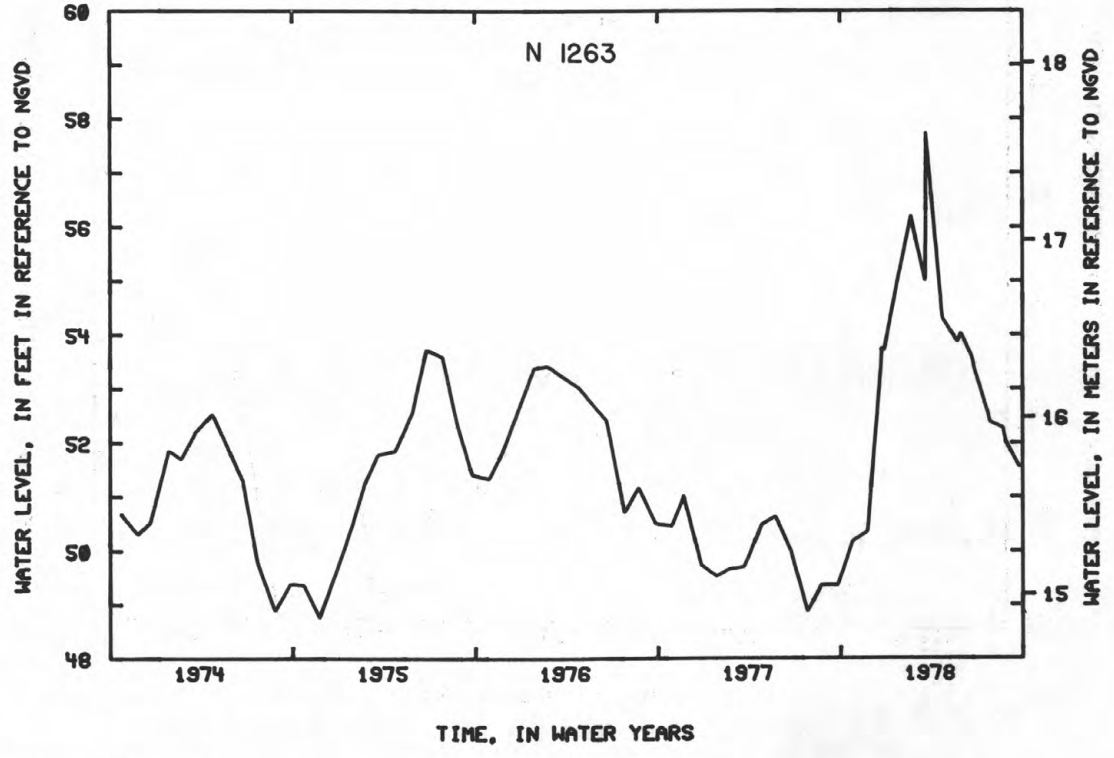
G MEASUREMENT BY ANOTHER AGENCY

NASSAU COUNTY--Continued

404302073295704. Local number, N 1263-4.
LOCATION.--Lat 40°43'02", long 73°29'57", Hydrologic Unit 02030202, at Wantagh Avenue and Miller Place, Levittown.
Owner: Nassau County Department of Public Works.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Driven observation water-table well, diameter 1.25 in (0.03 m), depth 35 ft (11 m), screened 32 to 35 ft (9.8 to 10.7 m).
DATUM.--Land-surface datum is 67.0 ft (20.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.41 ft (0.12 m) below land-surface datum.
REMARKS.--Water-quality records for 1968, 1970, 1974-76, are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for June 1936 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 63.05 ft (19.22 m) NGVD, June 29, 1948; lowest measured, 44.01 ft (13.41 m) NGVD, Aug. 25, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	50.18	DEC 28	53.72	MAR 21	57.74	MAY 30	54.03	JUL 24	52.52	AUG 28	52.02
NOV 25	50.35	JAN 24	54.98	APR 24	54.29	JUN 22	53.58	27	52.38	SEP 25	51.55
DEC 21	53.39 G	FEB 21	56.19	MAY 24	53.86	27	53.35	AUG 23	52.27	26	51.56
23	53.75	MAR 20	54.99 G								



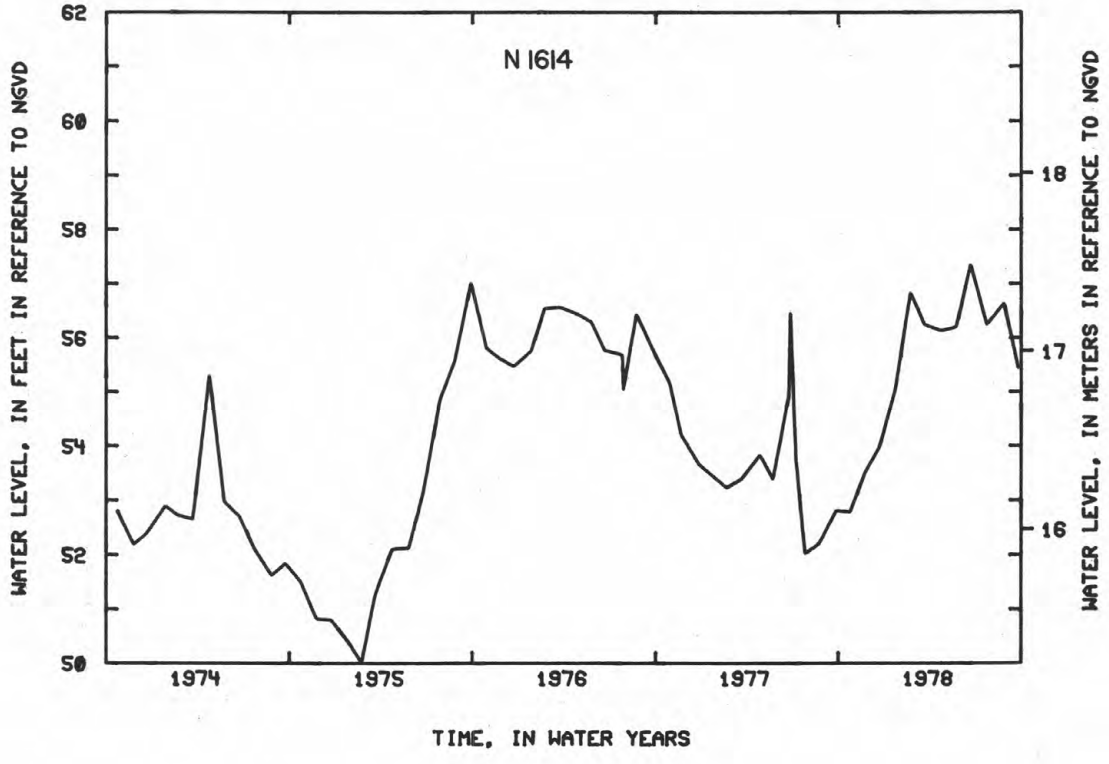
G MEASUREMENT BY ANOTHER AGENCY

NASSAU COUNTY--Continued

404446073392904. Local number, N 1614-4.
LOCATION.--Lat 40°44'46", long 73°39'29", Hydrologic Unit 02030202, at Herricks Road and Sally Place, Mineola.
Owner: Nassau County Department of Public Works.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Driven observation water-table well, diameter 1.25 in (0.03 m), depth 53 ft (16 m), screen assumed at bottom.
DATUM.--Land-surface datum is 100.1 ft (30.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.26 ft (0.08 m) below land-surface datum.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for January 1933 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 72.48 ft (22.09 m) NGVD, May 31, 1949; lowest measured, 48.42 ft (14.76 m) NGVD, Dec. 21, 1970.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	52.79	DEC 23	53.99	FEB 23	56.84	APR 24	56.13	JUN 22	57.35	AUG 28	56.64
NOV 25	53.53	JAN 24	55.07	MAR 21	56.24	MAY 24	56.20	JUL 24	56.24	SEP 26	55.44

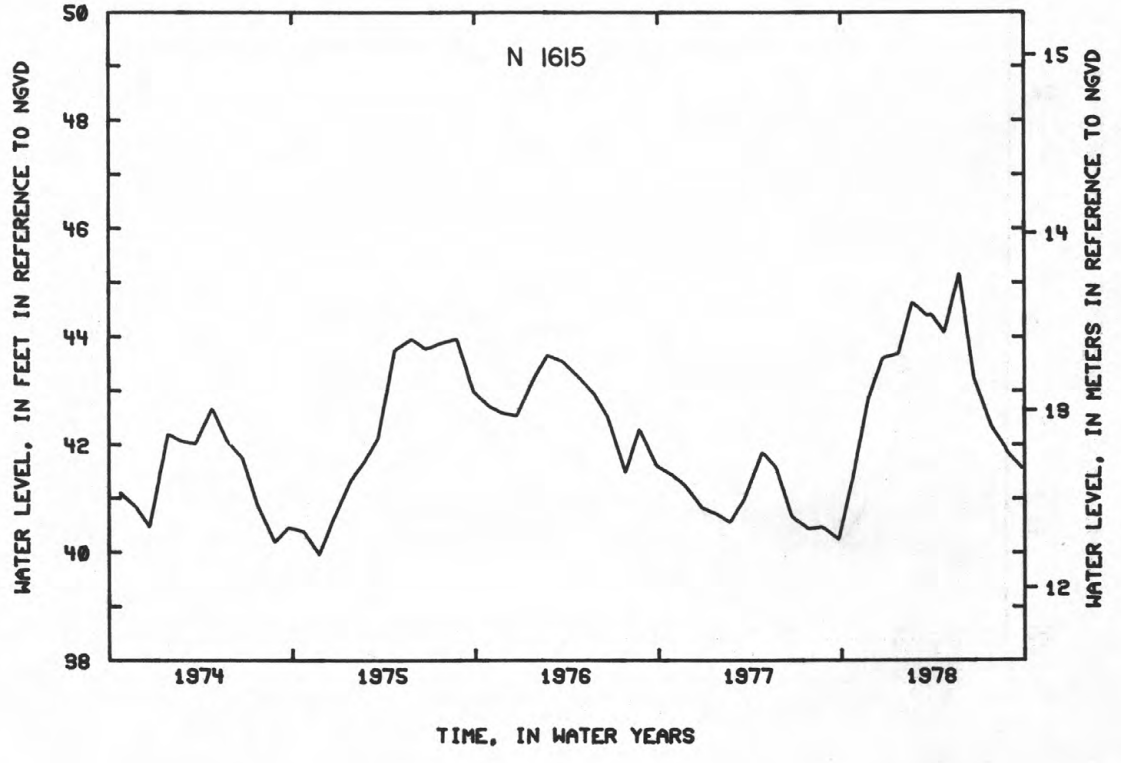


NASSAU COUNTY--Continued

404210073340702. Local number, N 1615-2.
LOCATION.--Lat 40°42'10", long 73°34'07", Hydrologic Unit 02030202, at Merrick and Van Buren Avenues, East Meadow.
Owner: Nassau County Department of Public Works.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Driven observation water-table well, diameter 1.25 in (0.03 m), depth 32 ft (10 m), screened 30 to 33 ft (9.1 to 10.1 m).
DATUM.--Land-surface datum is 61.0 ft (18.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.13 ft (0.04 m) below land-surface datum.
REMARKS.--Water-quality records for 1966-67, 1969, 1972, are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for March 1913 to December 1915, June 1932 to September 1975, are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 47.17 ft (14.38 m) NGVD, Mar. 28, 1939; lowest measured, 37.88 ft (11.55 m) NGVD, Aug. 25, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

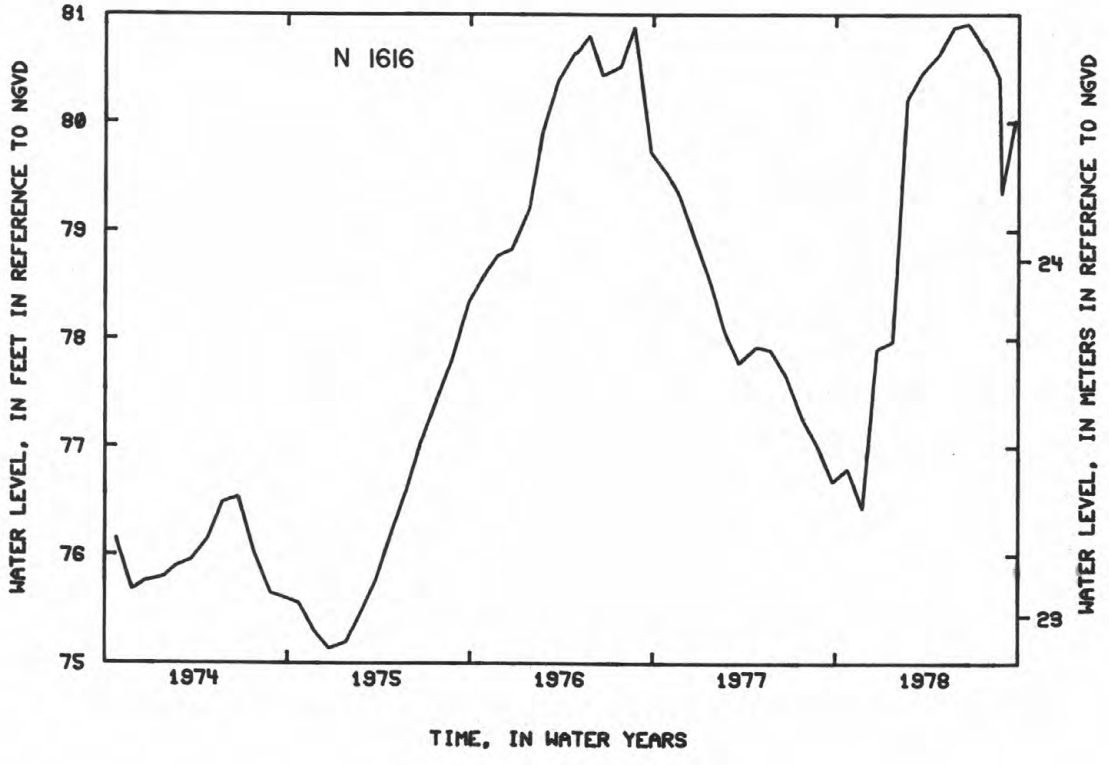
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	41.46	JAN 24	43.70	MAR 29	44.42	JUN 22	43.24	AUG 23	41.95	SEP 25	41.58
NOV 25	42.87	FEB 21	44.64	APR 24	44.08	JUL 24	42.40	28	41.85	26	41.56
DEC 23	43.62	MAR 21	44.39	MAY 24	45.17	26	42.34				



404554073351502. Local number, N 1616-2.
LOCATION.--Lat 40°45'54", long 73°35'15", Hydrologic Unit 02030202, at Post Avenue and Argyle Road, Westbury.
Owner: Nassau County Department of Public Works.
AQUIFER.--Magothy.
WELL CHARACTERISTICS.--Driven observation water-table well, diameter 2 in (0.05 m), depth 68 ft (21 m), screened 65 to 68 ft (20 to 21 m).
DATUM.--Land-surface datum is 122.4 ft (37.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.32 ft (0.10 m) below land-surface datum.
REMARKS.--Water-quality records for 1969 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--March 1913 to December 1915, June 1932 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 85.42 ft (26.04 m) NGVD, June 1, 1939; lowest measured, 68.28 ft (20.81 m) NGVD, Feb. 28, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

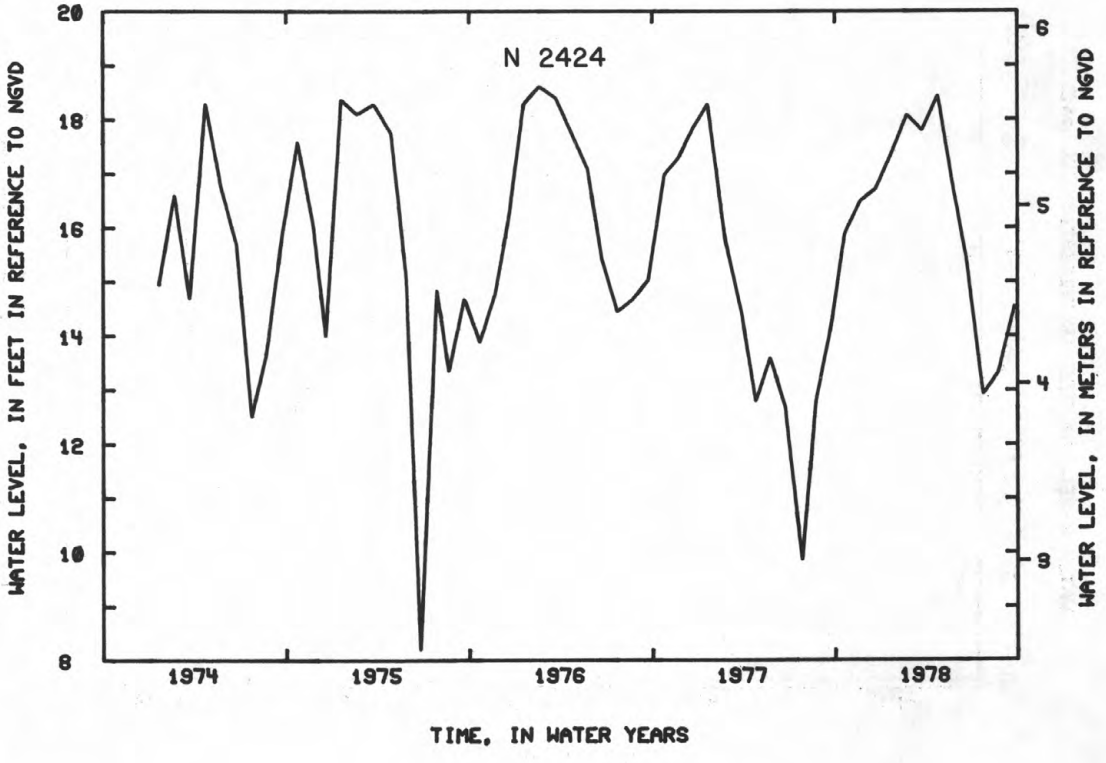
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	76.80	JAN 24	77.98	APR 24	80.63	JUL 24	80.67	AUG 23	80.41	SEP 25	80.02
NOV 25	76.43	FEB 21	80.21	MAY 24	80.88	26	80.68	28	79.34	26	80.01
DEC 23	77.91	MAR 21	80.46	JUN 22	80.91						



404935073384901. Local number, N 2424.
LOCATION.--Lat 40°49'35", long 73°38'49", Hydrologic Unit 02030201, at Long Island Lighting Company plant on Glenwood Road, Glenwood Landing. Owner: Long Island Lighting Company.
AQUIFER.--Lloyd.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 12 in (0.30 m), depth 461 ft (141 m), screened 427 to 459 ft (130 to 140 m).
DATUM.--Land-surface datum is 20.0 ft (6.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.80 ft (0.55 m) above land-surface datum.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for February 1948 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.89 ft (6.37 m) NGVD, Mar. 14, 1961; lowest measured, 2.13 ft (0.65 m) NGVD, Oct. 30, 1972.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	15.90	DEC 22	16.72	FEB 23	18.09	APR 24	18.45	JUN 20	15.41	AUG 23	13.33
NOV 22	16.50	JAN 22	17.36	MAR 23	17.80	MAY 22	16.85	JUL 23	12.92	SEP 26	14.55



405101073343202. Local number, N 2528-2.
LOCATION.--Lat 40°51'01", long 73°34'32", Hydrologic Unit 02030201, at Chicken Valley and Wolver Hollow Roads, Upper Brookville. Owner: Nassau County Department of Public Works.
AQUIFER.--Magothy.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in (0.15 m) to 4 in (0.10 m), depth 328 ft (100 m), slotted 278 to 328 ft (85 to 100 m).
DATUM.--Land-surface datum is 93.1 ft (28.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of nipple, 0.76 ft (0.23 m) above land-surface datum.
REMARKS.--Water-quality records for 1972 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--December 1947 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 79.92 ft (24.36 m) NGVD, July 25, 1957; lowest measured, 59.12 ft (18.02 m) NGVD, Feb. 24, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 5	69.09	MAR 28	71.81	JUN 19	72.19	SEP 27	71.28				

403805073395302. Local number, N 2790-2.
LOCATION.--Lat 40°38'05", long 73°39'53", Hydrologic Unit 02030202, at Bay Park Sewage Treatment Plant, Bay Park. Owner: Nassau County Department of Public Works.
AQUIFER.--Magothy.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in (0.15 m), depth 571 ft (174 m), screened 538 to 560 ft (164 to 171 m).
DATUM.--Land-surface datum is 6.0 ft (1.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Base of recorder shelf, 3.82 ft (1.16 m) above land-surface datum.
REMARKS.--Water-quality records for 1964-66, 1968, 1971-74, are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for July 1960 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.50 ft (1.98 m) NGVD, Apr. 6, 1958; lowest measured, -0.36 ft (0.11 m) NGVD, July 20, 1977.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 31	3.78	FEB 28	3.65	APR 30	3.41	JUN 30	1.60	AUG 31	2.25	SEP 30	2.67
JAN 31	3.96	MAR 31	3.69	MAY 31	3.30	JUL 31	1.90				

404619073270602. Local number, N 3355.
LOCATION.--Lat 40°46'19", long 73°27'06", Hydrologic Unit 02030202, at Round Swamp Road, 0.7 mi (1.1 km) south of Old Country Road, Plainview. Owner: U.S. Geological Survey.
AQUIFER.--Lloyd.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 8 in (0.20 m) to 4 in (0.10 m), depth 1,090 ft (332 m), screened 1,070 to 1,090 ft (326 to 332 m).
DATUM.--Land-surface datum is 184.5 ft (56.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.78 ft (0.54 m) below land-surface datum.
REMARKS.--Water-quality records for 1951 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--August 1951 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 36.17 ft (11.02 m) NGVD, Apr. 10, 1957; lowest measured, 23.18 ft (7.07 m) NGVD, Apr. 11, 1972.

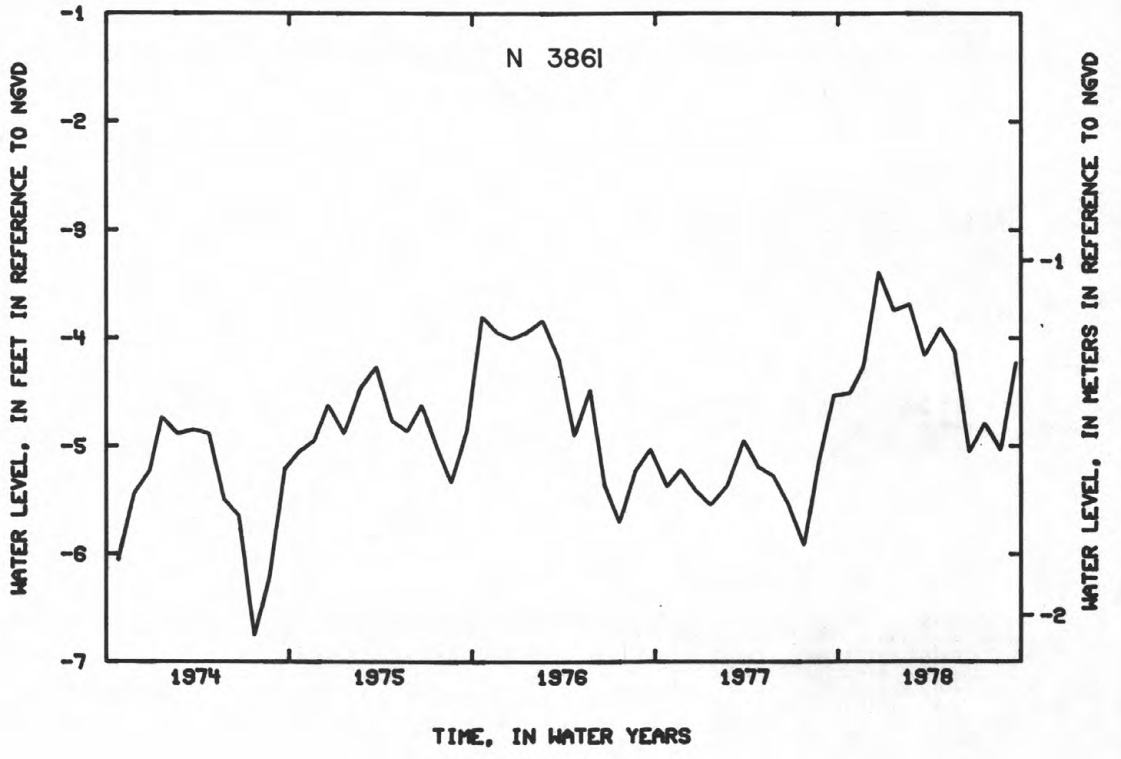
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 4	33.23	APR 3	32.52	JUN 20	32.47	SEP 28	31.81				

403751073440201. Local number, N 3861.
LOCATION.--Lat 40°37'51", long 73°44'02", Hydrologic Unit 02030202, at Water Pollution Control Plant, Arlington Place, Cedarhurst. Owner: Village of Cedarhurst.
AQUIFER.--Magothy.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in (0.15 m), depth 530 ft (162 m), screened 520 to 530 ft (158 to 162 m).
DATUM.--Land-surface datum is 7.0 ft (2.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.37 ft (0.72 m) above land-surface datum.
REMARKS.--Table and Hydrograph show the average daily water level at end of month. Water-quality records for 1952-53, 1956, 1959, 1970, 1974, are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for April 1952 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, -3.12 ft (0.95 m) NGVD, Feb. 14, 1978; lowest measured, -7.57 ft (2.31 m) NGVD, Aug. 7, 1955.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

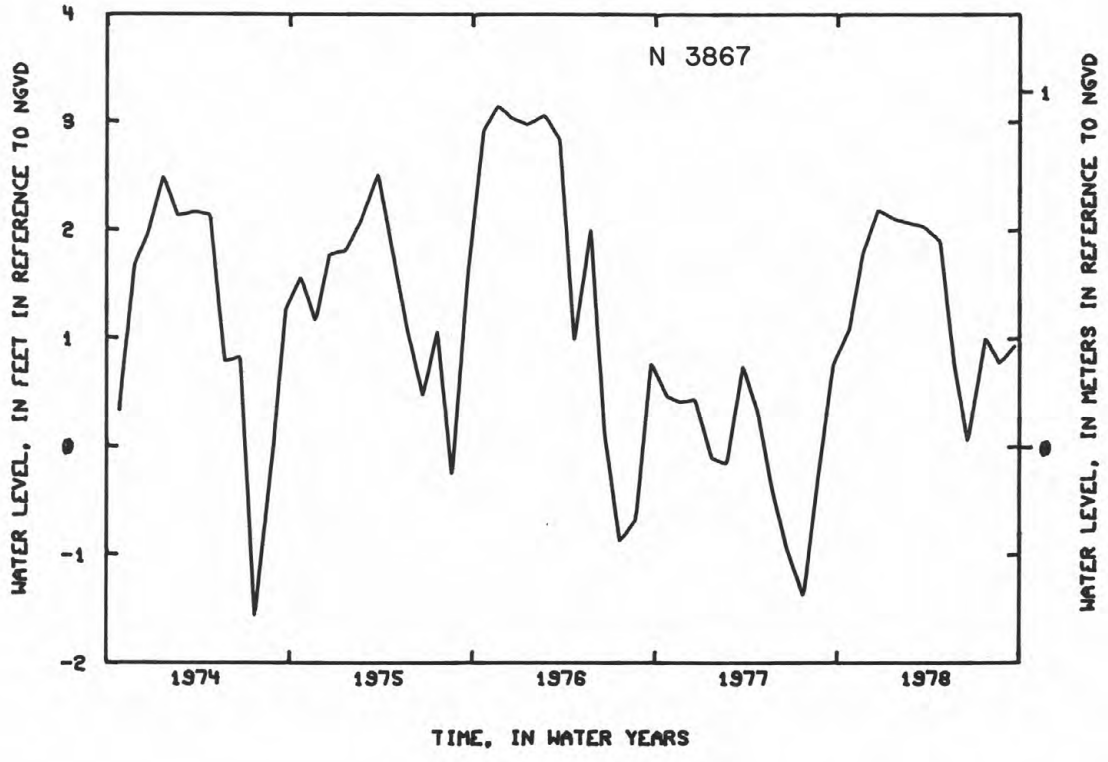
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	-4.51	DEC 21	-3.39	FEB 22	-3.69	APR 23	-3.91	JUN 19	-5.06	AUG 21	-5.04
NOV 21	-4.27	JAN 21	-3.75	MAR 22	-4.17	MAY 21	-4.13	JUL 20	-4.79	SEP 21	-4.23



403911073432002. Local number, N 3867-2.
LOCATION.--Lat 40°39'11", long 73°43'20", Hydrologic Unit 02030202, at Brook Road Park, at the end of Brook Road, Green Acres. Owner: Town of Hempstead.
AQUIFER.--Magothy.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in (0.15 m), depth 517 ft (158 m), screened 506 to 517 ft (154 to 158 m).
DATUM.--Land-surface datum is 7.9 ft (2.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.30 ft (0.40 m) above land-surface datum.
REMARKS.--Water-quality records for 1971 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for December 1952 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.99 ft (2.44 m) NGVD, Jan. 28, 1953; lowest measured, -1.57 ft (0.48 m) NGVD, July 23, 1974.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

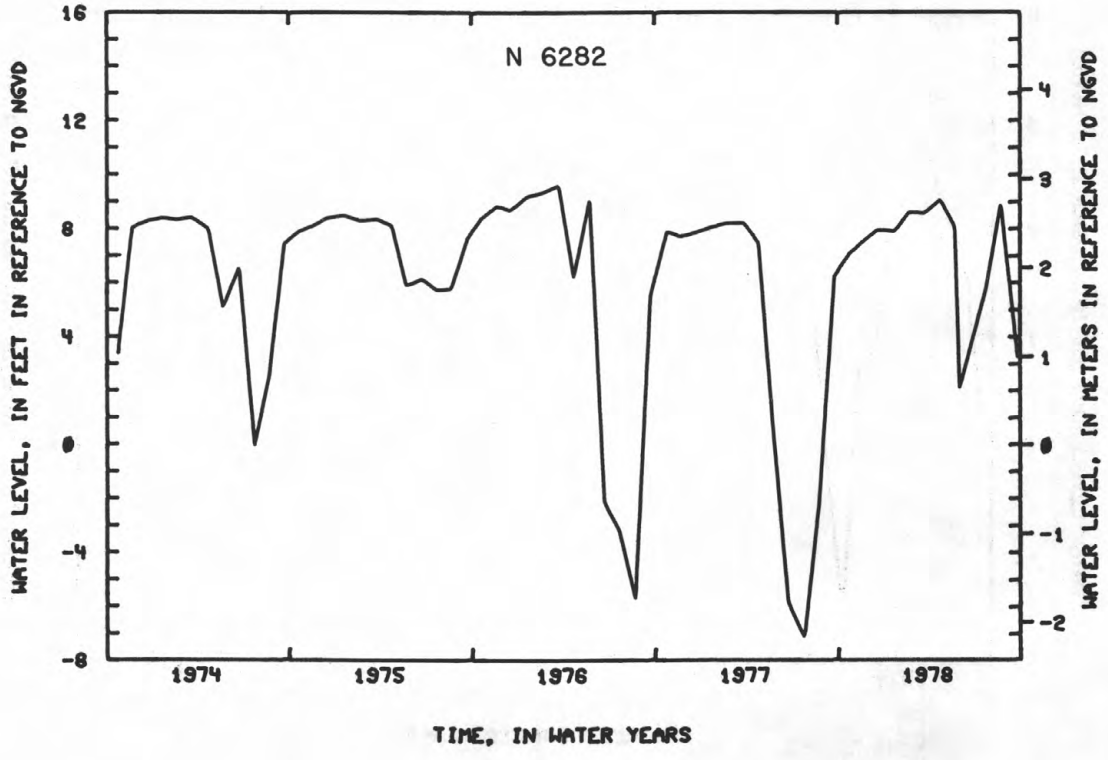
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	1.09	DEC 22	2.19	MAR 23	2.03	MAY 22	0.76	JUL 24	1.01	SEP 22	0.94
NOV 21	1.78	JAN 24	2.10	APR 24	1.90	JUN 19	0.05	AUG 22	0.77		



405125073420702. Local number, N 6282-2.
LOCATION.--Lat 40°51'25", long 73°42'07", Hydrologic Unit 02030201, at Helen Keller National Center for Deaf-Blind Youths and Adults, Middle Neck Road, Sands Point. Owner: U.S. Geological Survey.
AQUIFER.--Jameco.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in (0.15 m), depth 396 ft (121 m), screened 378 to 388 ft (115 to 118 m).
DATUM.--Land-surface datum is 99.0 ft (30.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of flange, 3.22 ft (0.98 m) above land-surface datum.
REMARKS.--Water-quality records for 1976 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for December 1960 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.58 ft (3.22 m) NGVD, Apr. 25, 1962; lowest measured -12.12 ft (3.69 m) NGVD, Aug. 21, 1978.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	7.10	DEC 23	7.96	FEB 24	8.62	APR 25	9.05	JUN 2	2.07	AUG 23	8.88
NOV 23	7.53	JAN 25	7.88	MAR 24	8.55	MAY 23	8.05	JUL 25	5.84	SEP 26	3.23



403517073430702. Local number, N 6702.
LOCATION.--Lat 40°35'17", long 73°43'07", Hydrologic Unit 02030202, at Richard and Park Streets, Atlantic Beach. Owner: Long Island Water Company.
AQUIFER.--Magothy.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in (0.10 m), depth 677 ft (206 m), screen assumed at bottom.
DATUM.--Land-surface datum is 11.0 ft (3.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 1.05 ft (0.32 m) above land-surface datum.
REMARKS.--Water-quality records for 1960 and 1970 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for August 1959 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, -2.50 ft (0.76 m) NGVD, Apr. 13, 1961; lowest measured, -8.50 ft (2.59 m) NGVD, Jul. 23, 1974.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	-4.89	DEC 23	-4.47	FEB 26	-4.33	APR 23	-4.07	JUN 19	-4.50	AUG 22	-4.78
NOV 22	-4.84	JAN 23	-4.62	MAR 24	-4.48	MAY 21	-4.18	JUL 22	-4.81	SEP 24	-4.85

403713073415902. Local number, N 6707.
LOCATION.--Lat 40°37'13", long 73°41'59", Hydrologic Unit 02030202, at end of Woodmere Boulevard, at the town dock, Woodsburgh. Owner: Nassau County Department of Public Works.
AQUIFER.--Magothy.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in (0.10 m), depth 503 ft (153 m), screened 494 to 503 ft (151 to 153 m).
DATUM.--Land-surface datum is 5.0 ft (1.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 2.08 ft (0.63 m) above land-surface datum.
REMARKS.--Water-quality records for 1960, 1964, 1970-71, are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for October 1959 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.52 ft (1.38 m) NGVD, Mar. 13, 1961; lowest measured -1.18 ft (0.36 m) NGVD, July 24, 1974.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 13	2.34	DEC 14	2.80	FEB 16	3.09	APR 19	2.93	JUN 18	1.71	AUG 17	2.12
NOV 14	2.80	JAN 15	2.29	MAR 19	2.22	MAY 18	2.56	JUL 18	1.98	SEP 18	2.23

403533073353202. Local number, N 6850.
LOCATION.--Lat 40°35'33", long 73°35'32", Hydrologic Unit 02030202, at Lido Boulevard, 0.3 mi. (0.5 km) west of Loop Parkway, Lido Beach. Owner: U.S. Geological Survey.
AQUIFER.--Magothy.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in (0.15 m), depth 913 ft (278 m), screened 899 to 910 ft (274 to 277 m).
DATUM.--Land-surface datum is 6.8 ft (2.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 2.40 ft (0.73 m) above land-surface datum.
REMARKS.--Water-quality records for 1960 and 1975 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for 1960-75 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.00 ft (2.44 m) NGVD, Apr. 13, 1961; lowest measured, 2.75 ft (0.84 m) NGVD, July 28, 1977.

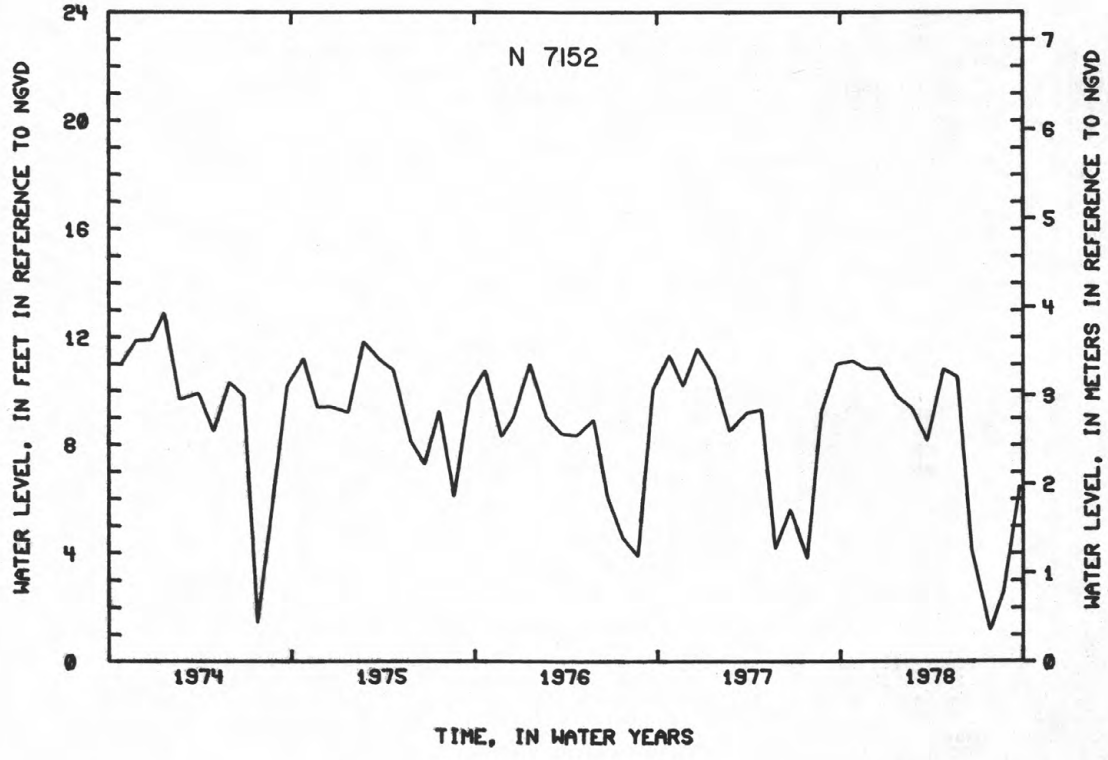
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	4.99	DEC 21	6.34	FEB 26	5.69	APR 23	5.90	JUN 19	5.55	AUG 22	5.07
NOV 22	5.19	JAN 22	5.18	MAR 23	5.41	MAY 22	5.80	JUL 21	5.10	SEP 23	5.10

405432073345001. Local number, N 7152.
LOCATION.--Lat 40°54'32", long 73°34'50", Hydrologic Unit 02030201, at Oak Neck Beach, Bayville. Owner: Town of Oyster Bay.
AQUIFER.--Lloyd.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in (0.15 m), depth 330 ft (101 m), screened 360 to 370 ft (110 to 113 m).
DATUM.--Land-surface datum is 15.0 ft (4.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of nipple, 3.13 ft (0.95 m) above land-surface datum.
REMARKS.--Water-quality records for 1970 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for September 1961 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.74 ft (4.80 m) NGVD, Feb. 5, 1962; lowest measured, -2.54 ft (0.77 m) NGVD, July 15, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	11.12	DEC 22	10.83	FEB 23	9.34	APR 25	10.82	JUN 20	4.10	AUG 23	2.60
NOV 22	10.82	JAN 24	9.78	MAR 23	8.14	MAY 22	10.51	JUL 26	1.17	SEP 25	6.46

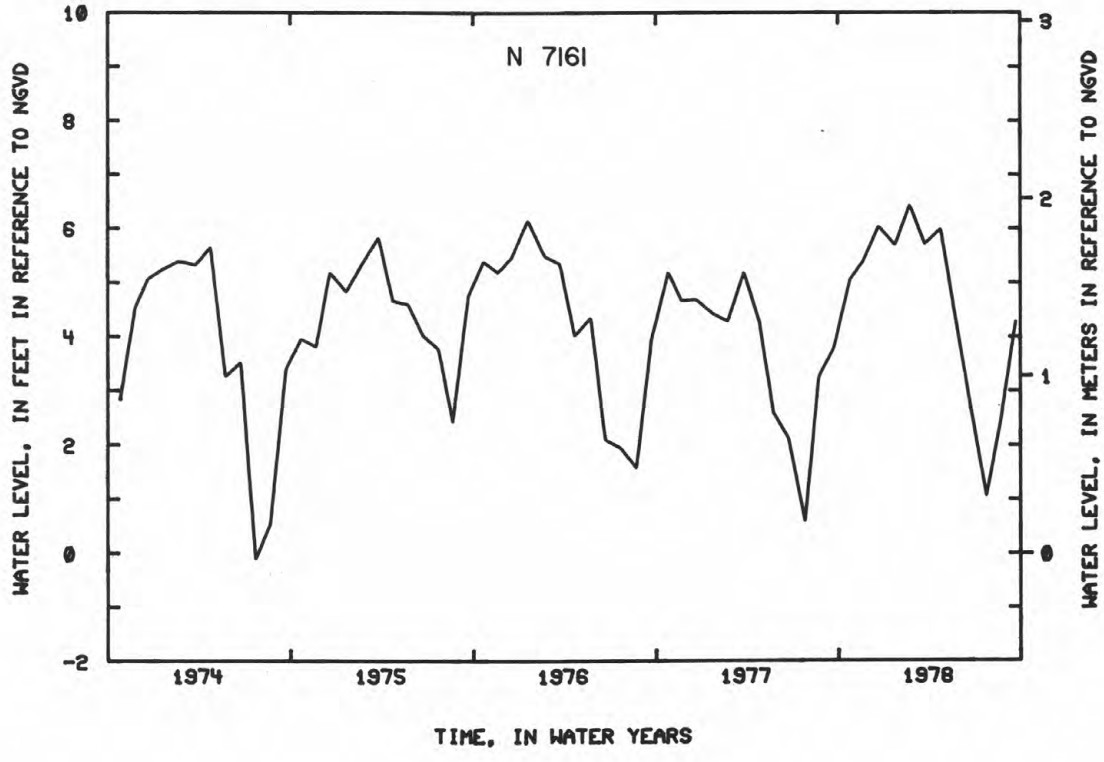


NASSAU COUNTY--Continued

403856073392602. Local number, N 7161-2.
LOCATION.--Lat 40°38'56", long 73°39'26", Hydrologic Unit 02030202, at Village Dump, at end of Riverside Road, Rockville Centre. Owner: Village of Rockville Centre.
AQUIFER.--Magothy.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in (0.15 m), depth 666 ft (203 m), screened 611 to 666 ft (186 to 203 m).
DATUM.--Land-surface datum is 7.0 ft (2.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of base of recorder shelf, 2.78 ft (0.85 m) above land-surface datum.
REMARKS.--Water-quality records 1964-67 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for 1961-75 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.03 ft (2.45 m) NGVD, Mar. 13, 1962; lowest measured, -2.81 ft (0.86 m) NGVD, July 13, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	5.05	DEC 22	6.03	FEB 23	6.43	APR 24	5.99	JUN 20	2.85	AUG 22	2.44
NOV 22	5.40	JAN 24	5.68	MAR 23	5.70	MAY 22	4.39	JUL 24	1.05	SEP 22	4.28

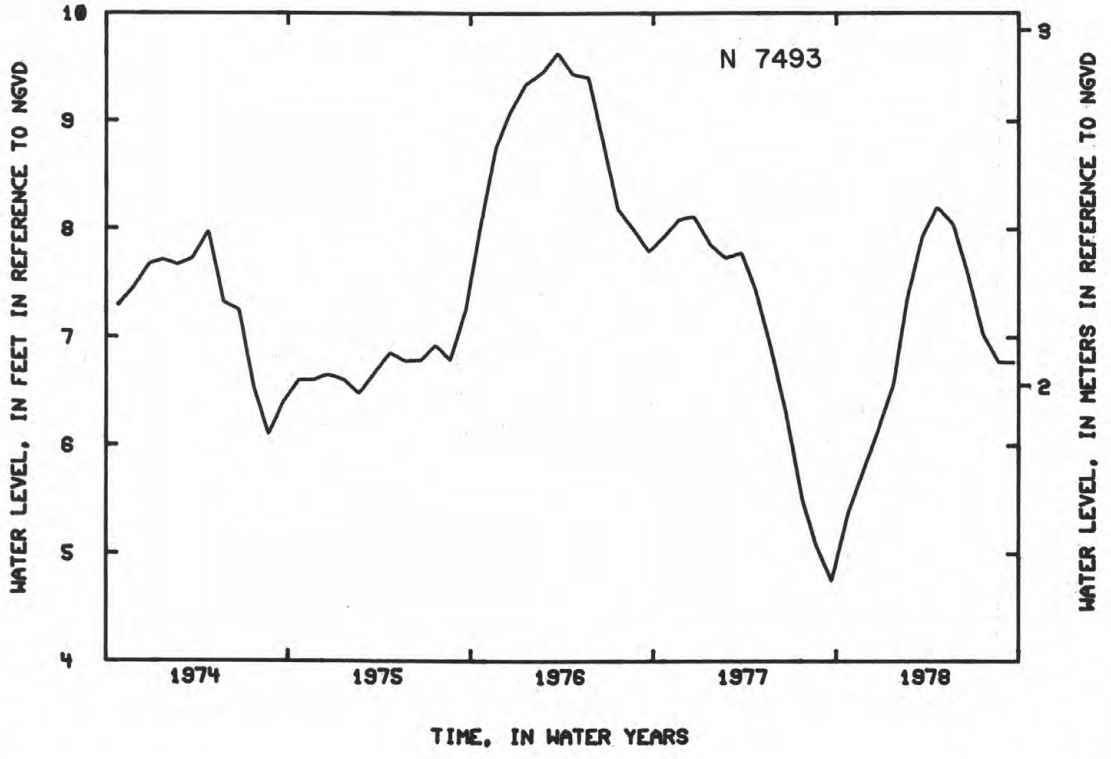


NASSAU COUNTY--Continued

404237073433701. Local number, N 7493.
LOCATION.--Lat 40°42'37", long 73°43'37", Hydrologic Unit 02030202, at Hempstead Turnpike and Cross Island Parkway, Elmont. Owner: Nassau County Department of Public Works.
AQUIFER.--Magothy.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in (0.10 m), depth 353 ft (108 m), screened 348 to 353 ft (106 to 108 m).
DATUM.--Land-surface datum is 76.0 ft (23.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of flange, 1.59 ft (0.48 m) above land-surface datum.
REMARKS.--Water-quality records for 1964, 1967, 1972, are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for 1964-75 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.33 ft (6.20 m) NGVD, Apr. 30, 1964; lowest measured, 4.63 ft (1.41 m) NGVD, Sept. 18, 1977.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	5.37	DEC 22	6.10	FEB 22	7.35	APR 21	8.20	JUN 20	7.60	AUG 22	6.77
NOV 21	5.71	JAN 25	6.56	MAR 22	7.93	MAY 22	8.04	JUL 21	7.03	SEP 22	6.77



405418073323801. Local number, N 7546.
LOCATION.--Lat 40°54'18", long 73°32'38", Hydrologic Unit 02030201, at West Harbor Drive and Ludlum Avenue, Bayville. Owner: Nassau County Department of Public Works.
AQUIFER.--Lloyd.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in (0.10 m), depth 364 ft (111 m), screened 359 to 364 ft (109 to 111 m).
DATUM.--Land-surface datum is 12.0 ft (3.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.87 ft (0.57 m) above land-surface datum.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for 1964-75 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.15 ft (4.01 m) NGVD, Mar. 15, 1975; lowest measured, 2.49 ft (0.76 m) NGVD, July 24, 1977.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	10.61	DEC 22	10.80	FEB 23	9.72	APR 25	12.04	JUN 20	8.81	AUG 23	8.02
NOV 22	10.11	JAN 23	9.50	MAR 23	9.69	MAY 22	11.70	JUL 22	7.40	SEP 24	9.08

403805073395303. Local number, N 7675.
LOCATION.--Lat 40°38'05", long 73°39'53", Hydrologic Unit 02030202, at Bay Park Sewage Treatment Plant, Bay Park. Owner: Nassau County Department of Public Works.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 4 in (0.10 m), depth 35 ft (11 m), screened 28 to 34 ft (9 to 10 m).
DATUM.--Land-surface datum is 6.0 ft (1.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.95 ft (0.90 m) above land-surface datum.
REMARKS.--Table and Hydrograph show the average daily water level at end of month. Water-quality records for 1965 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for 1966-75 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.70 ft (1.13 m) NGVD, Jan. 26, 1978; lowest measured, 0.30 ft (0.09 m) above NGVD, Feb. 2, 1977.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 14	2.88	DEC 15	2.25	FEB 16	2.18	APR 20	2.43	JUN 18	1.66	AUG 17	1.86
NOV 14	2.50	JAN 15	2.33	MAR 19	2.17	MAY 18	2.48	JUL 18	1.76	SEP 18	1.74

403805073395304. Local number, N 7676.
LOCATION.--Lat 40°38'05", long 73°39'53", Hydrologic Unit 02030202, at Bay Park Sewage Treatment Plant, Bay Park. Owner: Nassau County Department of Public Works.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Driven observation water-table well, diameter 4 in (0.10 m), depth 10 ft (3 m), screened 7 to 10 ft (2.1 to 3.0 m).
DATUM.--Land-surface datum is 6.0 ft (1.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.33 ft (1.01 m) above land-surface datum.
REMARKS.--Water-quality records for 1965 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for 1966-75 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.37 ft (1.33 m) NGVD, June 13, 1975; lowest measured, 0.20 ft (0.06 m) NGVD, Apr. 24, 1975.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	2.99	DEC 15	2.29	FEB 16	1.88	APR 20	2.35	JUN 19	1.45	AUG 18	1.69
NOV 15	2.58	JAN 16	2.23	MAR 20	2.36	MAY 19	2.66	JUL 19	1.53	SEP 19	1.82

NASSAU COUNTY--Continued

403805073395503. Local number, N 7677.
LOCATION.--Lat 40°38'05", long 73°39'55", Hydrologic Unit 02030202, at Bay Park Sewage Treatment Plant, Bay Park.
Owner: Nassau County Department of Public Works.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 4 in (0.10 m), depth 89 ft (27 m), screened 84 to 89 ft (26 to 27 m).
DATUM.--Land-surface datum is 6.0 ft (1.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.66 ft (0.81 m) above land-surface datum.
REMARKS.--Table and Hydrograph show the average daily water level at end of month. Water-quality records for 1965 and 1973 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for 1966-75 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.86 ft (1.18 m) NGVD, Jan. 26, 1978; lowest measured, 0.40 ft (0.12 m) NGVD, Feb. 2, 1977.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 13	2.06	DEC 15	2.45	FEB 16	2.49	APR 20	2.65	JUN 18	1.87	AUG 17	2.04
NOV 14	2.68	JAN 15	2.50	MAR 19	2.38	MAY 18	2.63	JUL 18	2.03	SEP 18	1.94

403803073395306. Local number, N 7888.
LOCATION.--Lat 40°38'03", long 73°39'53", Hydrologic Unit 02030202, at Bay Park Sewage Treatment Plant, Bay Park.
Owner: Nassau County Department of Public Works.
AQUIFER.--Magothy.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in (0.10 m), depth 327 ft (100 m), screened 307 to 317 ft (94 to 97 m).
DATUM.--Land-surface datum is 6.0 ft (1.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 5.56 ft (1.69 m) above land-surface datum.
REMARKS.--Table and Hydrograph show the average daily water level at end of month. Water-quality records for 1965-70, 1972-73, are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for 1966-75 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.79 ft (1.46 m) NGVD, Feb. 6, 1978; lowest measured, 0.52 ft (0.16 m) NGVD, July 20, 1977.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 14	3.71	DEC 15	3.72	FEB 16	3.97	APR 20	3.88	JUN 18	2.66	AUG 17	2.80
NOV 14	3.70	JAN 15	3.62	MAR 19	3.54	MAY 18	3.68	JUL 18	2.88	SEP 18	2.89

403804073395201. Local number, N 8022.
LOCATION.--Lat 40°38'04", long 73°39'52", Hydrologic Unit 02030202, at Bay Park Sewage Treatment Plant, Bay Park.
Owner: Nassau County Department of Public Works.
AQUIFER.--Magothy.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in (0.15 m), depth 490 ft (149 m), screened 420 to 480 ft (128 to 146 m).
DATUM.--Land-surface datum is 6.0 ft (1.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.10 ft (1.25 m) above land-surface datum.
REMARKS.--Table and hydrograph show the average daily water level at end of month. Water-quality records for 1972-74 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for 1966-75 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.80 ft (1.46 m) NGVD, Feb. 6, 1978; lowest measured, 0.43 ft (0.13 m) NGVD, July 23, 1977.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 13	3.10	DEC 15	3.73	FEB 16	3.98	APR 20	3.93	JUN 18	2.60	AUG 18	2.72
NOV 14	3.72	JAN 15	3.75	MAR 19	3.66	MAY 18	3.68	JUL 18	2.78	SEP 18	2.85

404947073450301. Local number, N 8046.
LOCATION.--Lat 40°49'47", long 73°45'03", Hydrologic Unit 02030201, at Pond and Kings Point Roads, Kings Point.
Owner: Nassau County Department of Public Works.
AQUIFER.--Jameco.
WELL CHARACTERISTICS.--Driven observation artesian well, diameter 4 in (0.10 m), depth 189 ft (58 m), screened 184 to 189 ft (56 to 58 m).
DATUM.--Land-surface datum is 8.0 ft (2.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.66 ft (1.12 m) above land-surface datum.
REMARKS.--Table and Hydrograph show the average daily water level at end of month. Water-quality records for 1966 and 1976 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for May 1966 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.60 ft (2.01 m) NGVD, Feb. 6, 1978; lowest measured, -1.20 ft (0.37 m) NGVD, July 19, 1966.

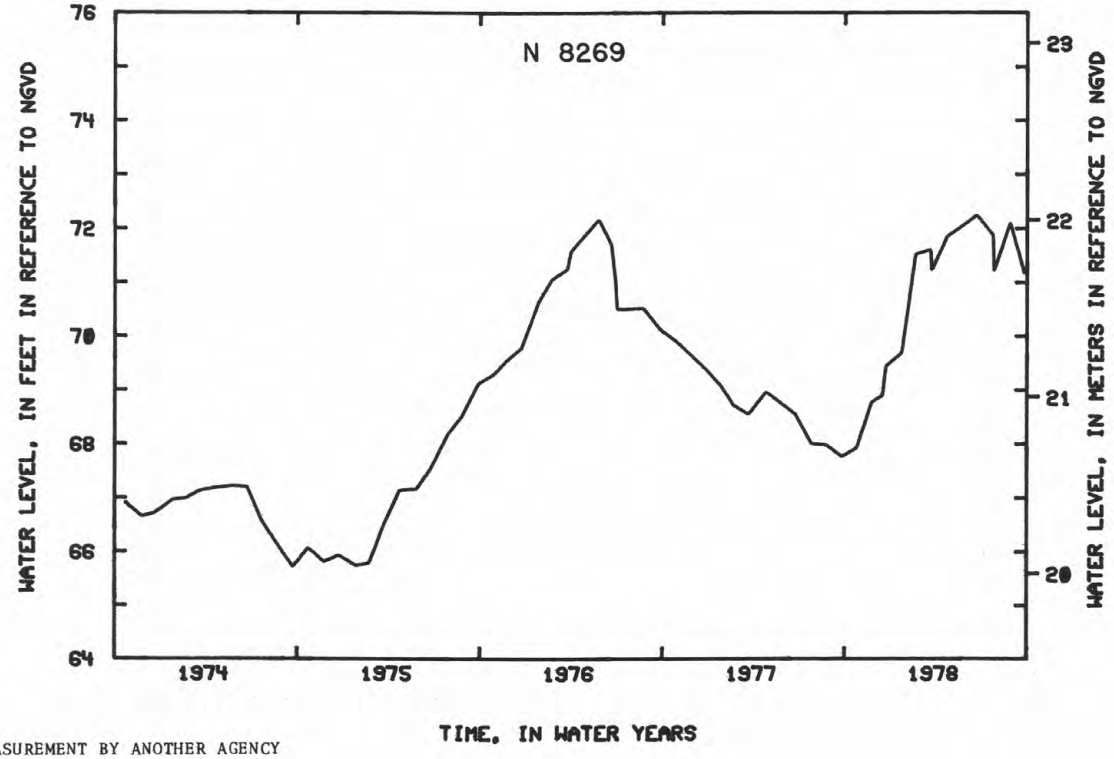
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	3.56	DEC 22	4.98	FEB 24	4.78	APR 25	5.16	JUN 16	4.77	AUG 22	3.40
NOV 22	3.93	JAN 23	4.51	MAR 23	4.57	MAY 22	5.06	JUL 22	3.50	SEP 23	3.83

404537073370102. Local number, N 8269-2.
LOCATION.--Lat 40°45'37", long 73°37'01", Hydrologic Unit 02030202, at Hillside Avenue and Bacon Road, Old Westbury.
Owner: Nassau County Department of Public Works.
AQUIFER.--Magothy.
WELL CHARACTERISTICS.--Driven observation water-table well, diameter 4 in (0.10 m), depth 86 ft (26 m), screened 81 to 86 ft (25 to 26 m).
DATUM.--Land-surface datum is 111.7 ft (34.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.15 ft (0.05 m) below land-surface datum.
REMARKS.--Prior to April 1976, well was in upper glacial aquifer, depth 63.7 ft (19.4 m). Replaced well N 1256, April 1967.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for June 1936 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 80.97 ft (24.68 m) NGVD, May 20, 1939; lowest measured, 60.83 ft (18.54 m) NGVD, Sept. 29, 1971.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	67.93	DEC 23	69.45	MAR 21	71.61	MAY 24	72.05	JUL 24	71.88	AUG 28	72.11
NOV 25	68.78	JAN 24	69.69	23	71.22 G	JUN 22	72.25	26	71.21	SEP 26	71.17
DEC 16	68.90 G	FEB 21	71.53	APR 24	71.86						



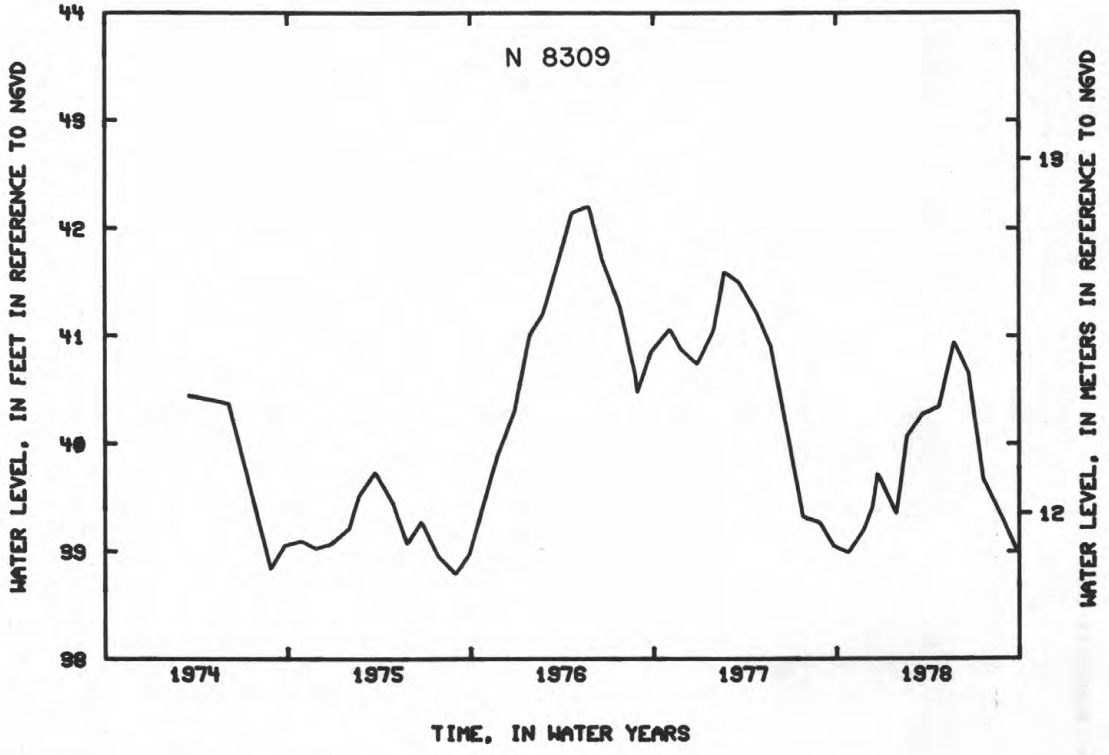
G MEASUREMENT BY ANOTHER AGENCY

NASSAU COUNTY--Continued

404742073410301. Local number, N 8309.
LOCATION.--Lat 40°47'42", long 73°41'03", Hydrologic Unit 02030201, at Northern Boulevard and Manhasset Woods Road, Munsey Park. Owner: Nassau County Department of Public Works.
AQUIFER.--Magothy.
WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 4 in (0.10 m), depth 199 ft (61 m), screened 194 to 199 ft (59 to 61 m).
DATUM.--Land-surface datum is 143.2 ft (43.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of pipe, 0.15 ft (0.05 m) below land-surface datum.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for March 1967 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.21 ft (12.87 m) NGVD, May 25, 1976; lowest measured, 33.53 ft (10.22 m) NGVD, Sept. 23, 1968.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	38.99	DEC 23	39.73	FEB 21	40.08	APR 24	40.35	JUN 22	40.66	AUG 28	39.31
NOV 25	39.20	JAN 30	39.35	MAR 21	40.28 G	MAY 24	40.95	JUL 21	39.67	SEP 27	39.00
DEC 12	39.41 G										



404404073305701. Local number, N 8959.
LOCATION.--Lat 40°44'04", long 73°30'57", Hydrologic Unit 02030202, at Meadowbrook Hospital Sewage Treatment Plant, East Meadow. Owner: Nassau County Department of Public Works.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2 in (0.05 m), depth 49 ft (15 m), screened 44 to 49 ft (13 to 15 m).
DATUM.--Land surface datum is 100.3 ft (30.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of reducer, 2.87 ft (0.87 m) above land-surface datum.
REMARKS.--Table and Hydrograph show the average daily water level at end of month.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for December 1972 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 71.35 ft (21.75 m) NGVD, Jan. 27, 1978; lowest measured, 64.87 ft (19.77 m) NGVD, Dec. 16, 1974.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	66.42	DEC 23	69.16	FEB 23	70.90	APR 24	70.77	JUN 23	69.74	AUG 25	68.14
NOV 22	68.35	JAN 23	69.71	MAR 24	70.51	MAY 23	70.49	JUL 24	68.83	SEP 26	67.39

G MEASUREMENT BY ANOTHER AGENCY

NASSAU COUNTY--Continued

404758073440602. Local number, N 9099.
LOCATION.--Lat 40°47'58", long 73°44'06", Hydrologic Unit 02030201, at Middle Neck Road and Preston Road, Great Neck.
Owner: Nassau County Department of Public Works.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 4 in (0.10 m), depth 71 ft (22 m), screened 66 to 71 ft (20 to 22 m).
DATUM.--Land-surface datum is 59.7 ft (18.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.07 ft (0.02 m) below land-surface datum.
REMARKS.--Well N 9099 replaces N 1479. Prior to April 1976, water levels were measured in N 1479. Water-quality records for 1976 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--April 1976 to current year. Unpublished records for September 1944 to December 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.32 ft (8.33 m) NGVD, June 15, 1949; lowest measured, 15.07 ft (4.59 m) NGVD, Dec. 23, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	18.51	DEC 23	18.74	MAR 21	20.40	APR 24	20.95	JUN 22	21.85	AUG 28	22.09
NOV 25	18.47	JAN 30	19.20	28	21.25 G	MAY 24	21.43	JUL 21	22.23	SEP 27	21.72
DEC 12	18.65 G	FEB 21	22.73								

404112073421003. Local number, N 9309.
LOCATION.--Lat 40°41'12", long 73°42'10", Hydrologic Unit 02030202, at Dutch Broadway and Fletcher Avenue, Elmont.
Owner: Nassau County Department of Public Works.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Driven observation water-table well, diameter 4 in (0.10 m), depth 59 ft (13 m), screened 54 to 59 ft (16.4 to 18.0 m).
DATUM.--Land-surface datum is 42.7 ft (13.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.64 ft (0.21 m) below land-surface datum.
REMARKS.--Replaced Well N 1109-2, October, 1977.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for April 1939 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.04 ft (9.16 m) NGVD, Apr. 21, 1939; lowest measured, 9.50 ft (2.90 m) NGVD, July 26, 1977.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	11.05	DEC 23	11.33	MAR 28	12.96 G	MAY 31	13.12	JUL 21	12.46	AUG 30	11.74
NOV 25	10.87	JAN 30	12.24	APR 24	12.95	JUN 22	12.83	26	12.17	SEP 27	12.20
DEC 12	11.28 G	FEB 23	13.06	MAY 24	12.90	27	12.72	AUG 21	11.96		

QUEENS COUNTY

404451073475001. Local number, Q 283.
LOCATION.--Lat 40°44'51", long 73°47'50", Hydrologic Unit 02030201, at Underhill Avenue and 171st Street, Flushing. Owner: City of New York, Department of Water Supply, Gas and Electricity.
AQUIFER.--Lloyd.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 26 in (0.66 m), depth 409 ft (125 m), screened 309 to 352 ft (94 to 107 m), 367 to 409 ft (112 to 125 m).
DATUM.--Land-surface datum is 27.0 ft (8.23 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of iron plate, 0.37 ft (0.11 m) above land-surface datum.
PERIOD OF RECORD.--June 1946 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.13 ft (0.34 m) NGVD, Mar. 28, 1961; lowest measured, -27.40 ft (8.35 m) NGVD, Sept. 14, 1976.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

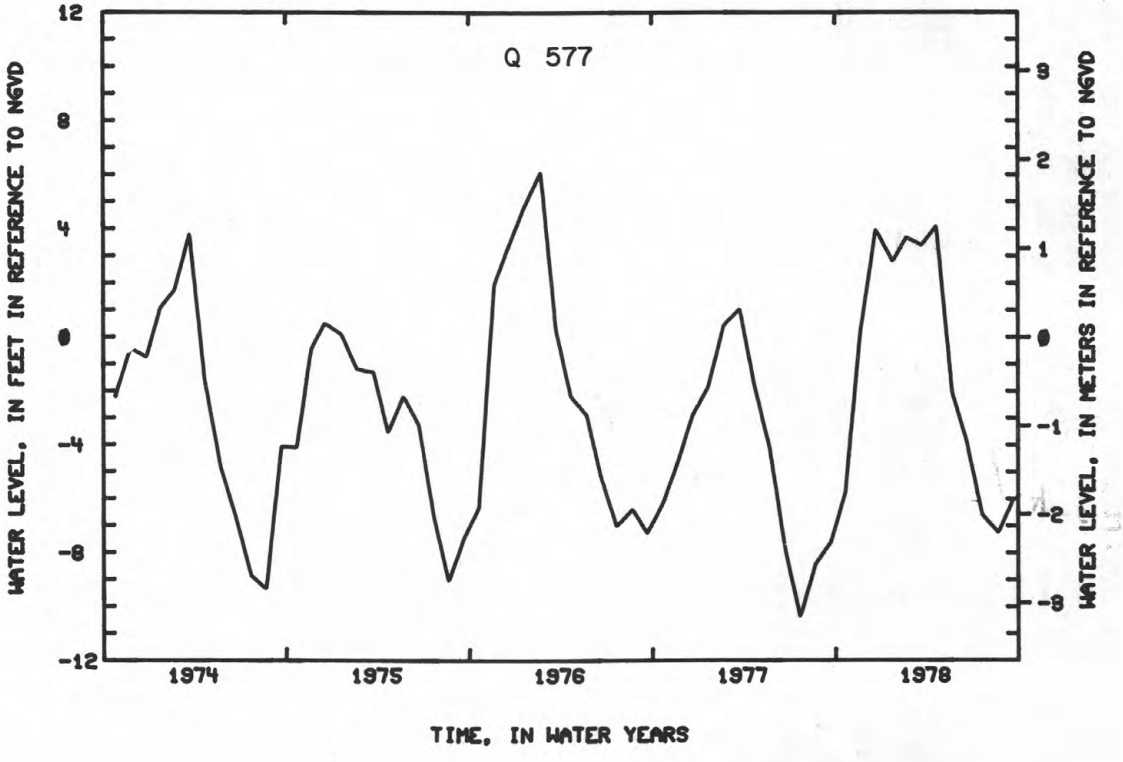
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 4	-12.75	FEB 1	-3.96	APR 4	-4.98	JUN 23	-9.78				

G MEASUREMENT BY ANOTHER AGENCY

404418073434101. Local number, Q 577.
LOCATION.--Lat 40°44'18", long 73°43'41", Hydrologic Unit 02030201, at Creedmoor State Hospital, near the intersection of Hillside Avenue and Cross Island Parkway, Bellrose. Owner: State of New York.
AQUIFER.--Lloyd.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 12 in (0.30 m), depth 644 ft (196 m), screen assumed at bottom.
DATUM.--Land-surface datum is 113.1 ft (34.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.45 ft (0.44 m) above land-surface datum.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for February 1946 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.65 ft (2.94 m) NGVD, Mar. 13, 1959; lowest measured, -19.74 ft (6.02 m) NGVD, Jul. 27, 1954.

WATER LEVEL, IN FEET ABOVE MEAN SEA LEVEL, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	-5.78	DEC 21	3.96	FEB 22	3.67	APR 21	4.09	JUN 20	-3.87	AUG 22	-7.27
NOV 21	0.22	JAN 25	2.78	MAR 22	3.37	MAY 22	-2.07	JUL 21	-6.61	SEP 22	-6.01



404157073480102. Local number, Q 1252.
LOCATION.--Lat 40°41'57", long 73°48'01", Hydrologic Unit 02030202, at Liberty Avenue and 157th Street, Jamaica. Owner: U.S. Geological Survey.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Driven observation water-table well, diameter 1.25 in (0.03 m), depth 60 ft (18 m), screened 58 to 60 ft (17.7 to 18.3 m).
DATUM.--Land-surface datum is 31.2 ft (9.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.31 ft (0.09 m) above land-surface datum.
PERIOD OF RECORD.--October 1940 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.92 ft (4.24 m) NGVD, Nov. 2, 1948; lowest measured, -2.81 ft (0.86 m) NGVD, Feb. 9, 1971.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

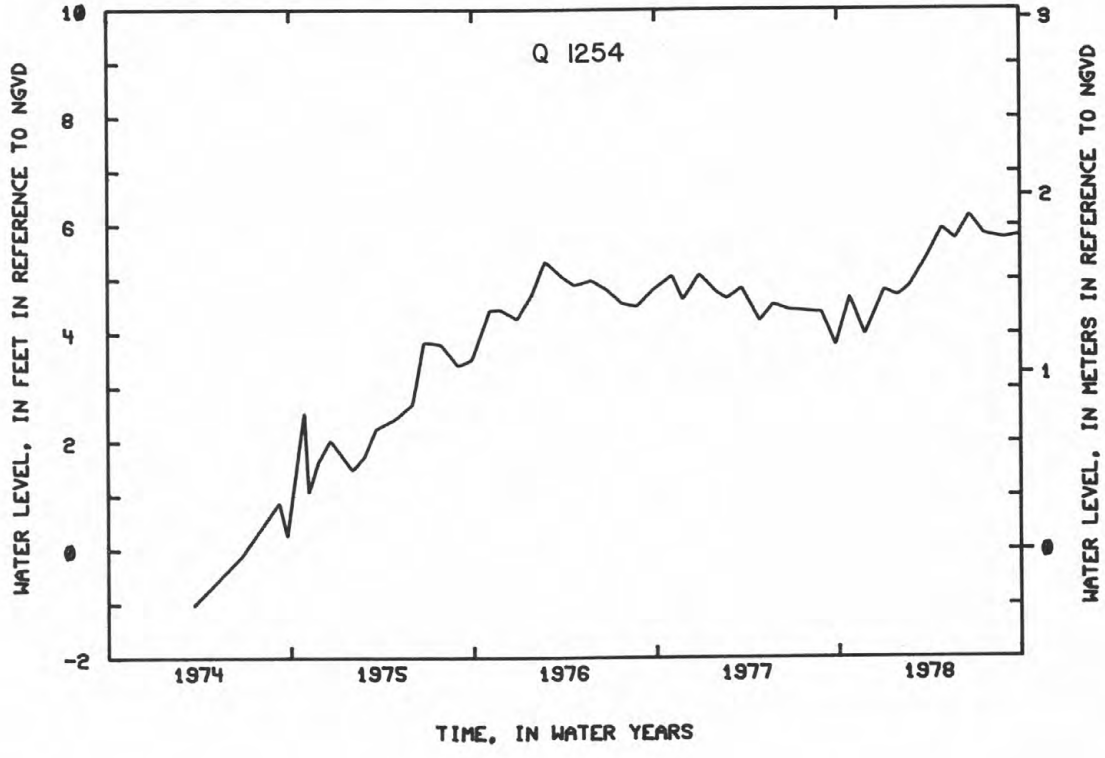
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	2.28	JAN 4	2.91	APR 4	4.78	JUN 23	4.58				

QUEENS COUNTY--Continued

404113073501101. Local number, Q 1254.
LOCATION.--Lat 40°41'13", long 73°50'11", Hydrologic Unit 02030202, at 108th Street and 101st Avenue, Woodhaven. Owner: New York City.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Driven observation water-table well, diameter 1.5 in (0.04 m), depth 65 ft (20 m), screened 63 to 65 ft (19 to 20 m).
DATUM.--Land-surface datum is 56.0 ft (17.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 10.46 ft (3.19 m) below land-surface datum.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for October 1940 to December 1954, January 1956 to December 1957, March 1959 to September 1975, are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.18 ft (1.89 m) NGVD, June 22, 1978; lowest measured, -11.29 ft (3.44 m) NGVD, Sept. 2, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

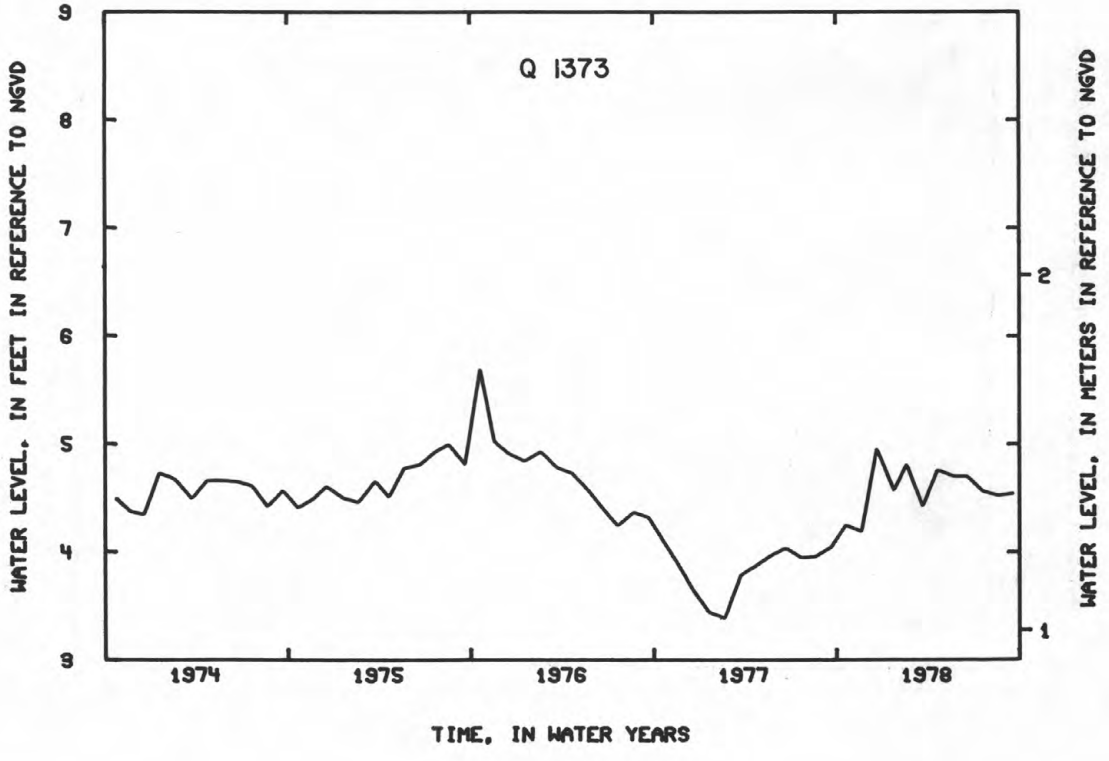
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	4.67	JAN 3	4.80	FEB 23	4.87	APR 28	5.94	JUN 22	6.18	AUG 30	5.75
NOV 25	3.97	30	4.69	MAR 28	5.41	MAY 24	5.73	JUL 21	5.82	SEP 27	5.80



404656073503701. Local number, Q 1373.
LOCATION.--Lat 40°46'56", long 73°50'37", Hydrologic Unit 02030201, at 127th Street and 20th Avenue, College Point. Owner: Modulaire Components Corporation.
AQUIFER.--Lloyd.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in (0.15 m), depth 262 ft (80 m), screened 194 to 206 ft (59 to 63 m).
DATUM.--Land-surface datum is 50.3 ft (15.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 1.06 ft (0.32 m) below land-surface datum.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for 1947-48, 1950, 1952-53, 1962, 1968-73, are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.12 ft (1.87 m) NGVD, Jan. 10, 1973; lowest measured, -2.80 ft (0.85 m) NGVD, Feb. 7, 1962.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	4.25	DEC 21	4.96	FEB 20	4.81	APR 21	4.76	JUN 19	4.70	AUG 20	4.52
NOV 21	4.19	JAN 25	4.57	MAR 22	4.42	MAY 22	4.70	JUL 20	4.56	SEP 19	4.54



403957073495002. Local number, Q 2324.
LOCATION.--Lat 40°39'57", long 73°49'50", Hydrologic Unit 02030202, at North Conduit Avenue and 114th Street, South Ozone Park. Owner: New York Racing Association, Inc.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Driven observation water-table well, diameter 2.5 in (0.06 m), depth 91 ft (28 m), screen assumed at bottom.
DATUM.--Land-surface datum is 22.0 ft (6.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, .04 ft (0.01 m) above land surface datum.
REMARKS.--Water-quality records for 1970 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--March 1959 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.34 ft (1.02 m) NGVD, Oct. 6, 1975; lowest -3.40 ft (1.04 m) NGVD, May 25, 1959.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

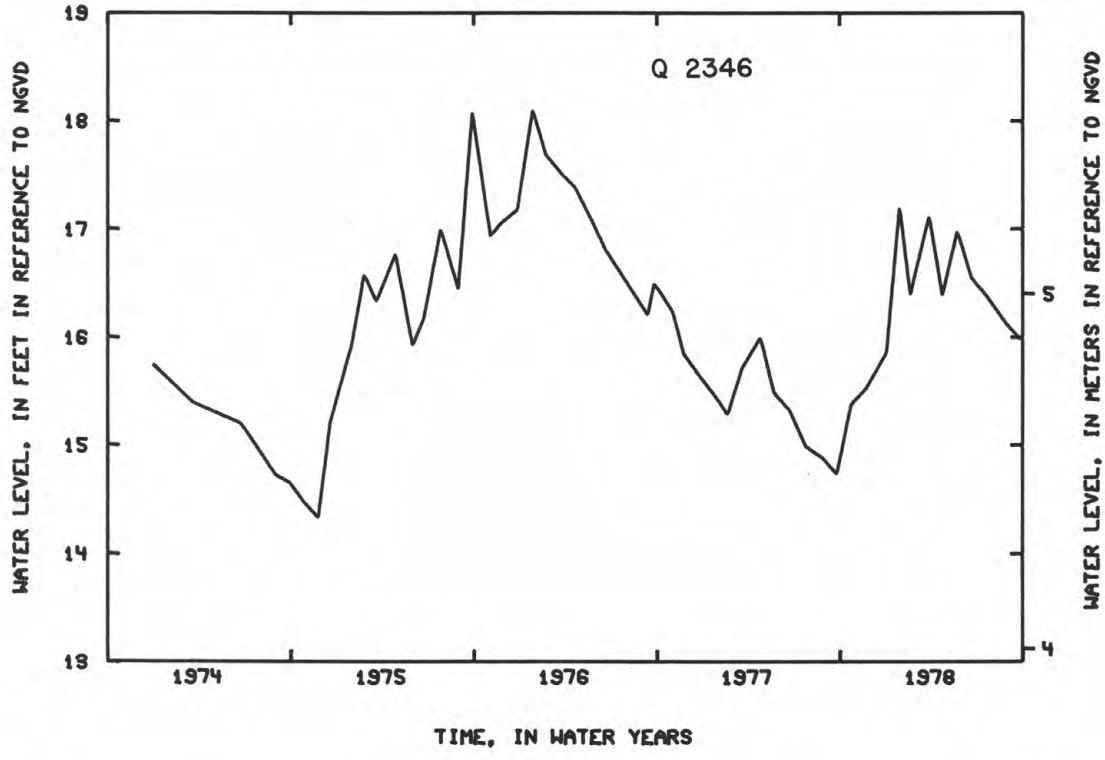
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	2.61	JAN 4	2.98	APR 4	2.89	JUN 23	2.95				

QUEENS COUNTY--Continued

404451073475002. Local number, Q 2346.
LOCATION.--Lat 40°44'51", long 73°47'50", Hydrologic Unit 02030201, at Underhill Avenue and Fresh Meadow Lane, Flushing. Owner: New York City.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Driven observation well, diameter 1.25 in (0.03 m), depth 17.0 ft (5.2 m), screen assumed at bottom.
DATUM.--Land-surface datum is 29.0 ft (8.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.98 ft (0.30 m) above land-surface datum.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for August 1960 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.99 ft (6.70 m) NGVD, Apr. 26, 1961; lowest measured, 13.96 ft (4.26 m) NGVD, Nov. 4, 1970.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	15.38	JAN 4	15.86	FEB 21	16.39	APR 24	16.38	JUN 22	16.54	AUG 30	16.12
NOV 25	15.53	30	17.20	MAR 28	17.12	MAY 24	16.98	JUL 21	16.38	SEP 27	15.98

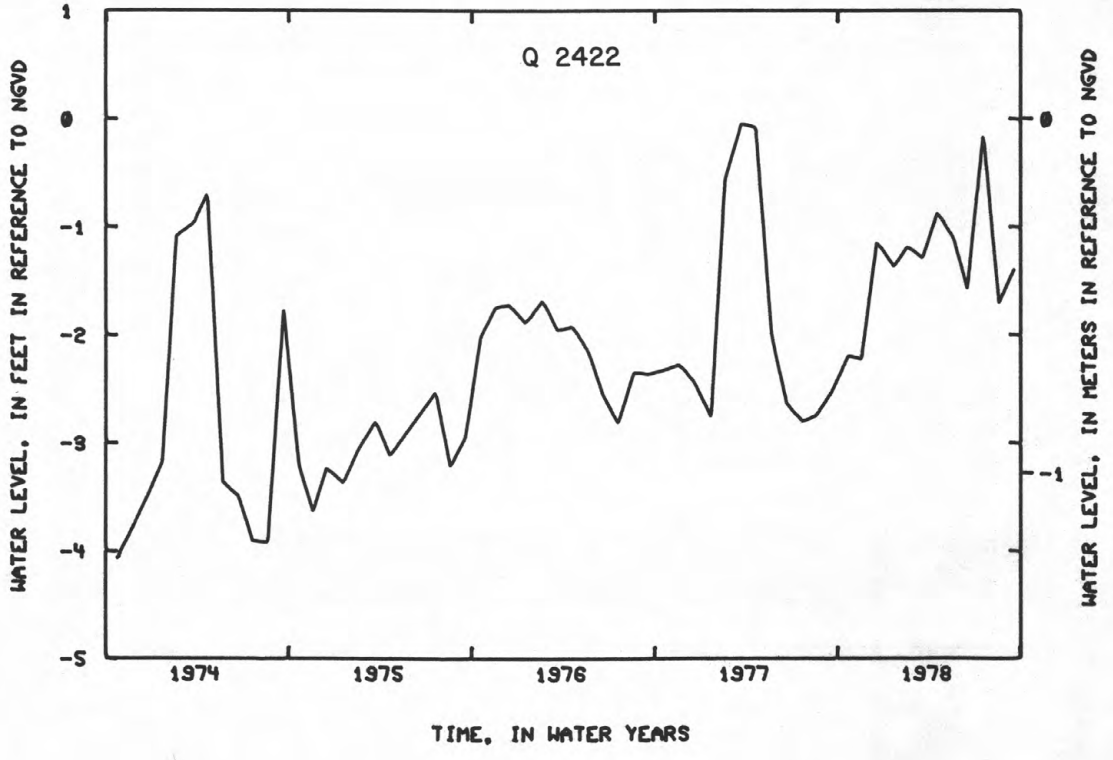


QUEENS COUNTY--Continued

404025073463801. Local number, Q 2422.
LOCATION.--Lat 40°40'25", long 73°46'38", Hydrologic Unit 02030202, at New York Boulevard and 132nd Avenue, Jamaica.
Owner: Jamaica Water Supply Company.
AQUIFER.--Magothy.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 8 in (0.20 m), depth 370 ft (113 m), screened 342 to 362 ft (104 to 110 m).
DATUM.--Land-surface datum is 21.0 ft (6.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of nipple, 1.21 ft (0.37 m) above land-surface datum.
REMARKS.--Water-quality records for 1970 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for 1964-75 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.40 ft (0.12 m) NGVD, Apr. 5, 1977; lowest measured, -5.65 ft (1.72 m) NGVD, Sep. 7, 1970.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	-2.20	DEC 21	-1.15	FEB 22	-1.19	APR 21	-0.88	JUN 19	-1.59	AUG 21	-1.72
NOV 21	-2.23	JAN 25	-1.38	MAR 22	-1.30	MAY 22	-1.12	JUL 21	-0.17	SEP 22	-1.40



404213073204001. Local number, S 1803.
LOCATION.--Lat 40°42'13", long 73°20'40", Hydrologic Unit 02030202, at Little East Neck Road and State Highway 109, Babylon. Owner: New York State Department of Transportation.
AQUIFER:--Upper Glacial.
WELL CHARACTERISTICS.--Driven observation water-table well, diameter 1.25 in (0.03 m), depth 19 ft (6 m), screened 16 to 19 ft (5 to 6 m).
DATUM.--Land-surface datum is 23.7 ft (7.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.08 ft (0.02 m) above land-surface datum.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for October 1912 to November 1914, August and September 1932, June 1936 to September 1975, are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.93 ft (5.77 m) NGVD, Apr. 15, 1978; lowest measured, 13.06 ft (3.98 m) NGVD, July 26, 1976.

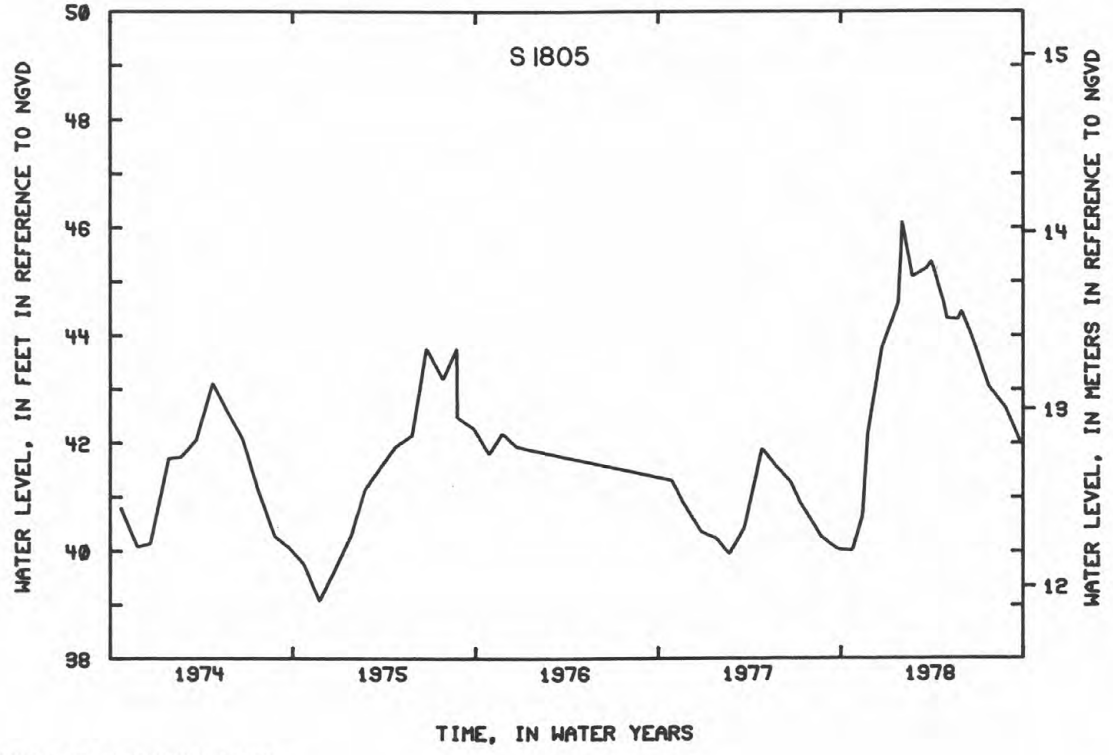
WATER LEVEL IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	15.84	JAN 25	16.68	MAR 21	17.23	APR 24	17.16	JUN 22	17.65	AUG 28	16.78
NOV 25	16.07	FEB 23	16.38	APR 15	16.25 G	MAY 24	17.38	JUL 24	16.55	SEP 26	16.48
DEC 23	16.46										

404301073240904. Local number, S 1805-4.
LOCATION.--Lat 40°43'01", long 73°24'09", Hydrologic Unit 02030202, at State Highway 109 and Albany Road, Maywood. Owner: New York State Department of Transportation.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Driven observation water-table well, diameter 2 in (0.05 m), depth 33 ft (10 m), screen assumed at bottom.
DATUM.--Land-surface datum is 57.0 ft (17.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.22 ft (0.68 m) above land-surface datum.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for October 1912 to November 1914, February 1932 to September 1975, are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 46.10 ft (14.05 m) NGVD, Feb. 3, 1978; lowest measured, 35.79 ft (10.91 m) NGVD, Dec. 28, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	40.02	DEC 23	43.77	FEB 23	45.08	APR 24	44.63	MAY 30	44.45 G	AUG 28	42.64
NOV 15	40.66 G	JAN 25	44.59	MAR 21	45.24	MAY 1	44.31 G	JUN 22	43.94	SEP 26	42.02
25	42.15	FEB 3	46.10 G	31	45.37 G	24	44.30	JUL 24	43.05		

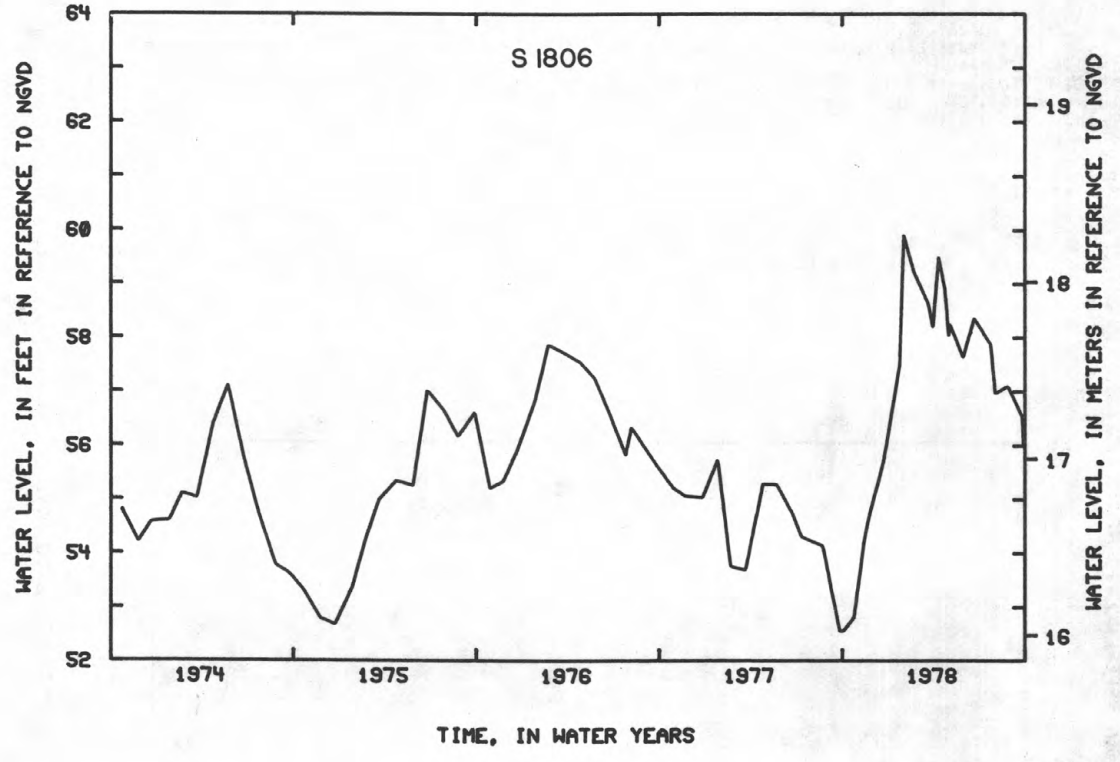


G MEASUREMENT BY ANOTHER AGENCY

404442073240501. Local number, S 1806.
LOCATION.--Lat 40°44'42, long 73°24'05", Hydrologic Unit 02030202, at Conklin Street and Wellwood Avenue, Pinelawn.
Owner: Suffolk County Department of Public Works.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Driven observation water-table well, diameter 1.25 in (0.03 m), depth 44 ft (13 m), screened 41 to 44 ft (12 to 13 m).
DATUM.--Land-surface datum is 85.7 ft (26.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.19 ft (0.06 m) below land-surface datum.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for October 1912 to November 1914, May 1932 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 61.68 ft (18.80 m) NGVD, Apr. 29, 1939; lowest measured, 46.97 ft (14.32 m) NGVD, Jan. 25, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	52.56	DEC 23	55.69	MAR 21	58.64	MAY 1	58.03 G	JUN 22	58.36	AUG 28	57.10
25	52.82	JAN 25	57.50	31	58.19 G	4	58.25	JUL 24	57.87	SEP 26	56.54
NOV 15	54.24 G	FEB 3	59.91 G	APR 12	59.50 G	30	57.63 G	AUG 3	56.96 G	29	55.98 G
25	54.69	23	59.22	24	58.91						



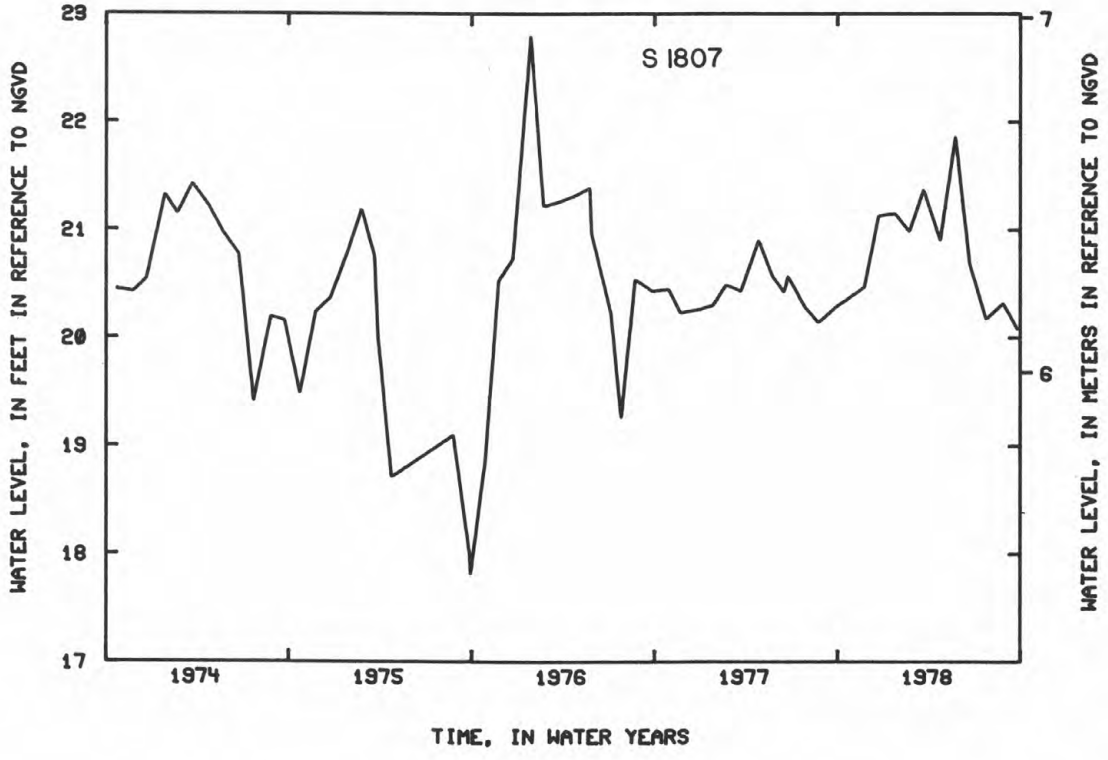
G MEASUREMENT BY ANOTHER AGENCY

SUFFOLK COUNTY--Continued

404319073184605. Local number, S 1807-5.
LOCATION.--Lat 40°43'19", long 73°18'46", Hydrologic Unit 02030202, at Higbie Lane and Martin Drive, West Islip. Owner: Town of Islip.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Driven observation water-table well, diameter 1.25 in (0.03 m), depth 21 ft (6 m), screen assumed at bottom.
DATUM.--Land-surface datum is 23.0 ft (7.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.21 ft (0.06 m) above land-surface datum.
REMARKS.--Water-quality records for 1972-73 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for October 1912 to November 1914, August 1932 to June 1933, June 1936 to September 1975, are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.06 ft (7.03 m) NGVD, Sept. 30, 1938; lowest measured, 17.27 ft (5.26 m) NGVD, July 23, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	20.37	DEC 23	21.13	FEB 23	20.98	APR 24	20.90	JUN 22	20.69	AUG 28	20.32
NOV 25	20.47	JAN 25	21.15	MAR 21	21.37	MAY 24	21.86	JUL 24	20.17	SEP 26	20.08

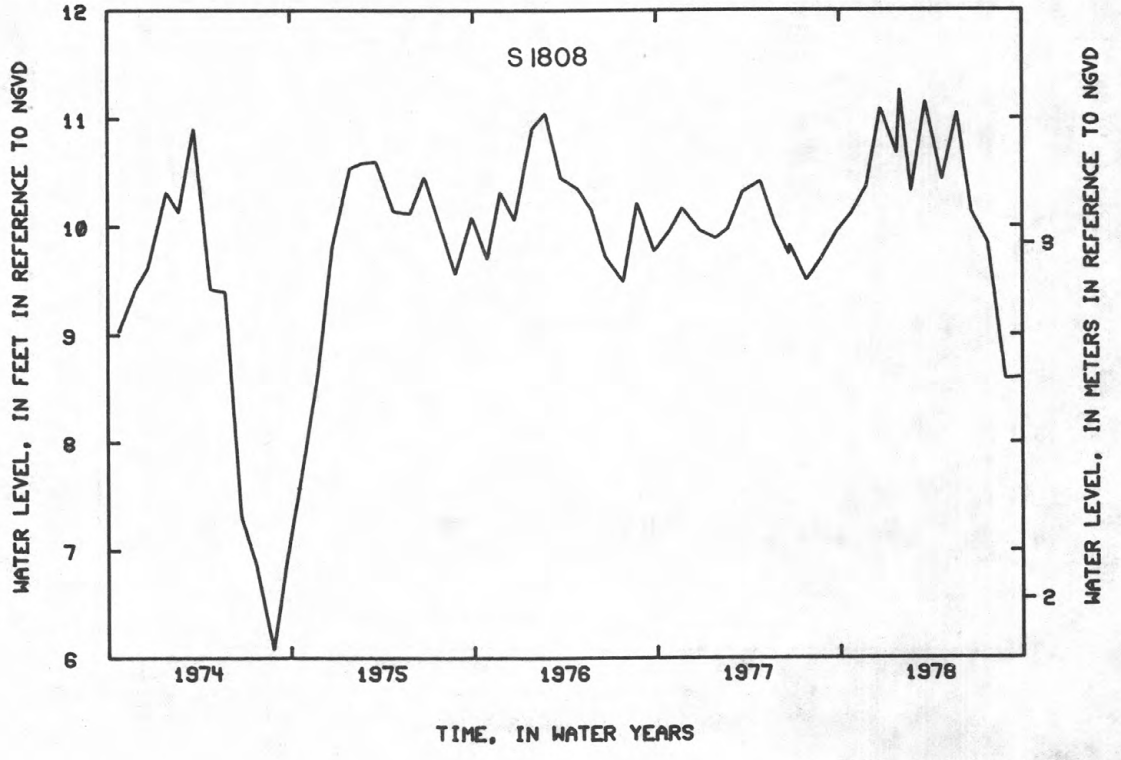


SUFFOLK COUNTY--Continued

404221073164805. Local number, S 1808-5.
LOCATION.--Lat 40°42'21", long 73°16'48" Hydrologic Unit 02030202, at Manor and Bardolier Lanes, West Islip.
Owner: Town of Islip.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Driven observation water-table well, diameter 1.25 in (0.03 m), depth 11 ft (3 m), screen assumed at bottom.
DATUM.--Land-surface datum is 13.0 ft (4.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.32 ft (0.10 m) above land-surface datum.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for October 1912 to November 1914, August 1932 to September 1975, are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.29 ft (3.75 m) NGVD, Feb. 23, 1949; lowest measured, 6.08 ft (1.85 m) NGVD, Aug. 27, 1974.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	10.12	JAN 25	10.67	FEB 23	10.32	APR 24	10.43	JUN 22	10.13	AUG 28	8.59
NOV 25	10.37	31	11.26	MAR 21	11.15	MAY 24	11.05	JUL 24	9.84	SEP 26	8.60
DEC 23	11.09										

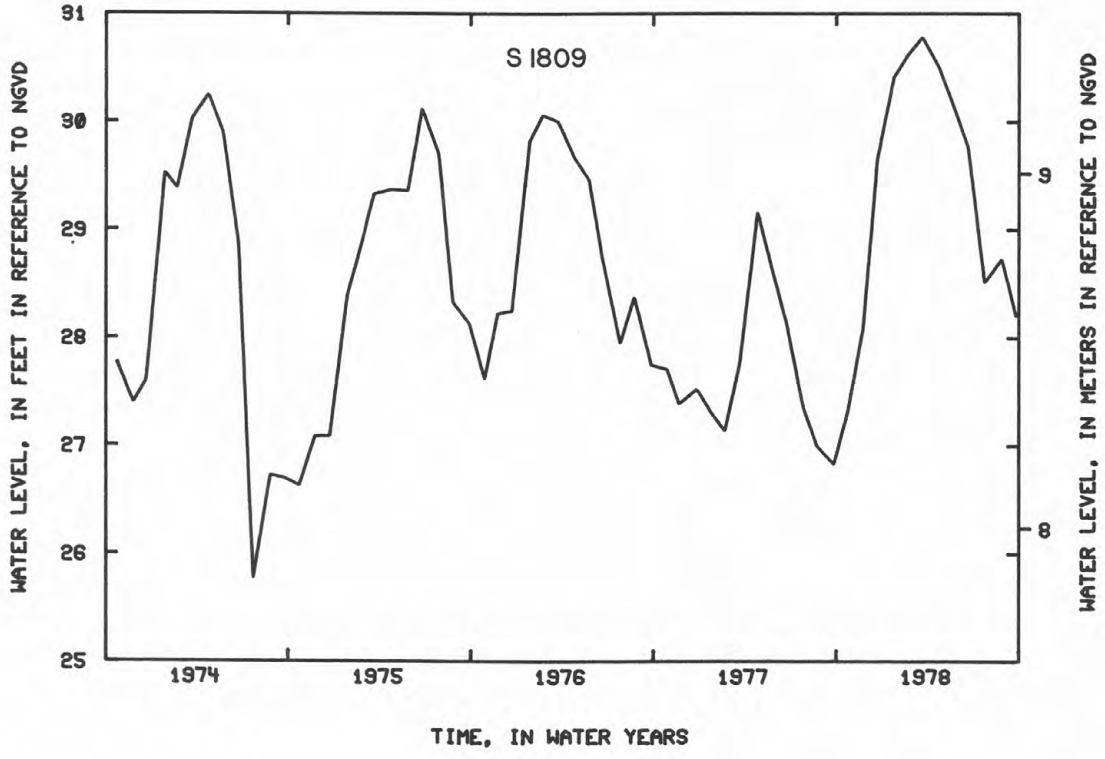


SUFFOLK COUNTY--Continued

404351073164903. Local number, S 1809-3.
LOCATION.--Lat 40°43'51", long 73°16'49", Hydrologic Unit 02030202, at Manor Lane and Muncey Road, Bay Shore.
Owner: Town of Islip.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Driven observation water-table well, diameter 1.25 in (0.03 m), depth 29 ft (9 m), screened 26 to 29 ft (8 to 9 m).
DATUM.--Land-surface datum is 42.0 ft (12.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.40 ft (0.12 m) above land-surface datum.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for October 1912 to November 1914, August 1932 to September 1975, are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 32.40 ft (9.88 m) NGVD, Apr. 8, 1939; lowest measured, 25.00 ft (7.62 m) NGVD, Nov. 2, 1932.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	27.33	DEC 23	29.66	FEB 23	30.62	APR 24	30.50	JUN 22	29.76	AUG 28	28.73
NOV 25	28.09	JAN 25	30.41	MAR 21	30.78	MAY 24	30.13	JUL 24	28.51	SEP 26	28.20

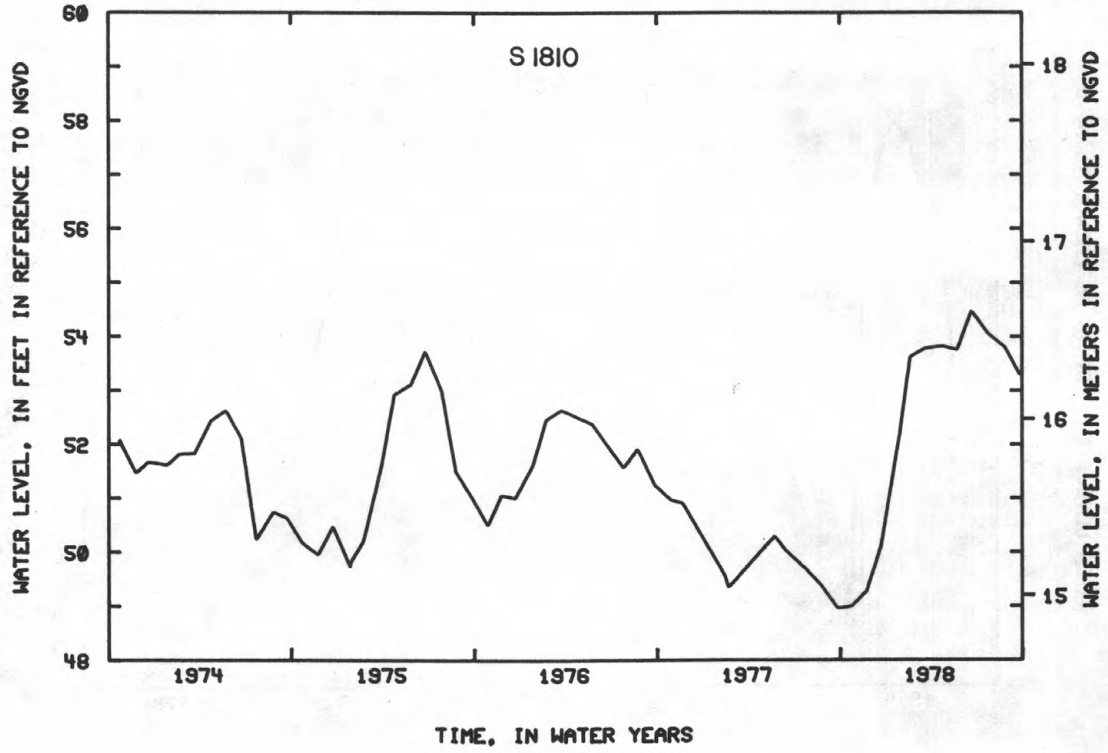


SUFFOLK COUNTY--Continued

404614073164403. Local number, S 1810-3.
LOCATION.--Lat 40°46'14", long 73°16'44", Hydrologic Unit 02030202, at Gardiner and Pine Aire Drives, Pine Aire. Owner: U.S. Geological Survey.
AQUIFER:--Upper Glacial.
WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2 in (0.05 m), depth 55 ft (17 m), screened 52 to 55 ft (16 to 17 m).
DATUM.--Land-surface datum is 90.8 ft (27.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.15 ft (0.05 m) below land-surface datum.
PERIOD OF RECORD.--October 1912 to November 1914, August 1932 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 56.19 ft (17.13 m) NGVD, Apr. 29, 1939; lowest measured, 41.10 ft (12.53 m) NGVD, Nov. 27, 1945.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	49.00	DEC 23	50.10	FEB 21	53.62	APR 24	53.82	JUN 22	54.47	AUG 28	53.79
NOV 25	49.28	JAN 30	52.16	MAR 21	53.78	MAY 24	53.75	JUL 24	54.05	SEP 26	53.30

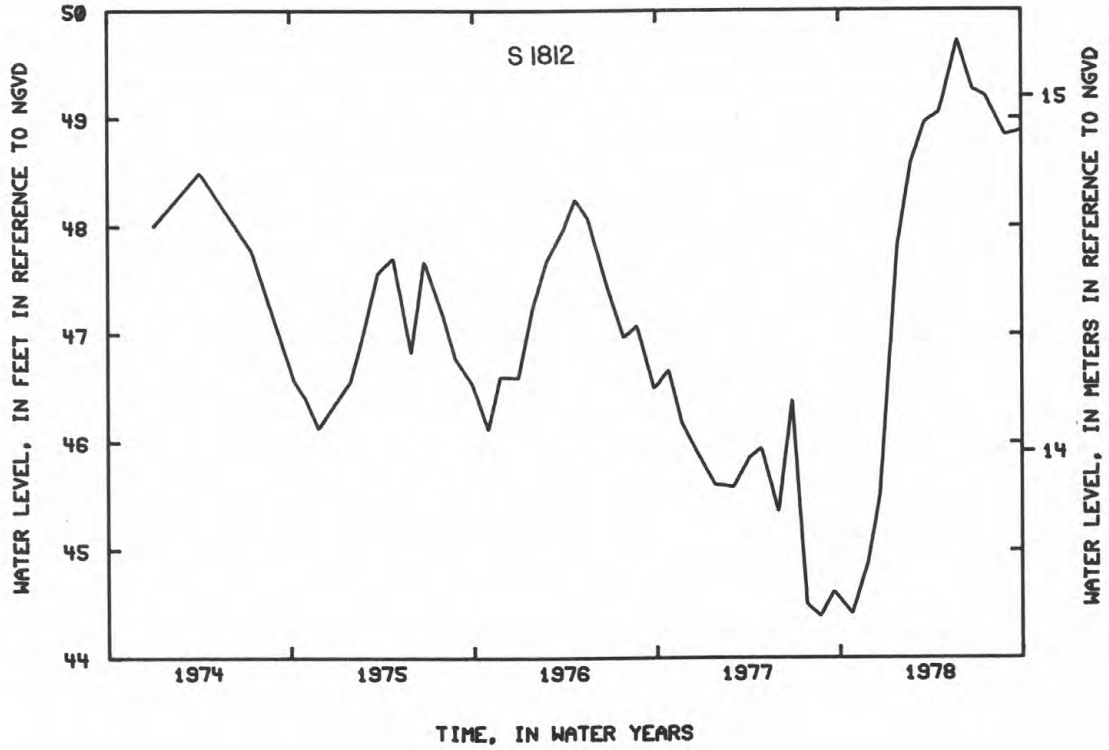


SUFFOLK COUNTY--Continued

404959073084902. Local number, S 1812-2.
LOCATION.--Lat 40°49'59", long 73°08'49", Hydrologic Unit 02030202, at Smithtown Boulevard and Nichols Road, Ronkonkoma. Owner: U.S. Geological Survey.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Driven observation water-table well, diameter 1.25 in (0.03 m), depth 44 ft (13 m), screen assumed at bottom.
DATUM.--Land-surface datum is 69.9 ft (21.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.49 ft (0.15 m) below land-surface datum.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for April 1937 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 51.08 ft (15.57 m) NGVD, May 6, 1939; lowest measured, 40.09 ft (12.22 m) NGVD, Feb. 27. 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

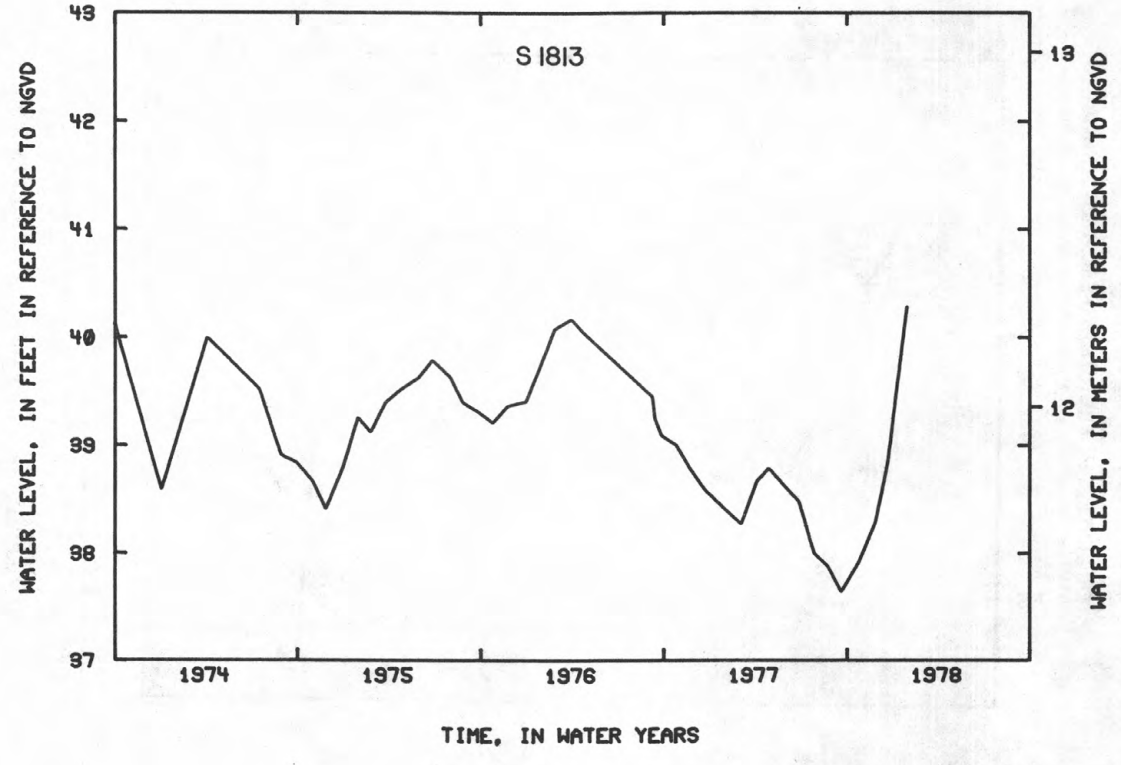
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	44.41	JAN 27	47.81	MAR 21	48.96	APR 27	49.17	JUN 26	49.26	AUG 29	48.84
NOV 28	44.89	FEB 24	48.58	APR 19	49.05	MAY 26	49.72	JUL 21	49.20	SEP 29	48.88
DEC 21	45.50										



404813073084102. Local number, S 1813-2.
LOCATION.--Lat 40°48'13", long 73°08'41", Hydrologic Unit 02030202, at Johnson Avenue and Terry Road, Ronkonkoma.
Owner: U.S. Geological Survey.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Driven observation water-table well, diameter 2 in (0.05 m), depth 52.5 ft (16.0 m), screened 50 to 52 ft (15 to 16 m).
DATUM.--Land-surface datum is 58.2 ft (17.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.03 ft (0.01 m) below land-surface datum.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for November 1939 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 40.99 ft (12.49 m) NGVD, June 25, 1973; lowest measured, 36.46 ft (11.11 m) NGVD, Jan. 25, 1951.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	37.93	NOV 28	38.29	DEC 21	38.82	JAN 30	40.28				

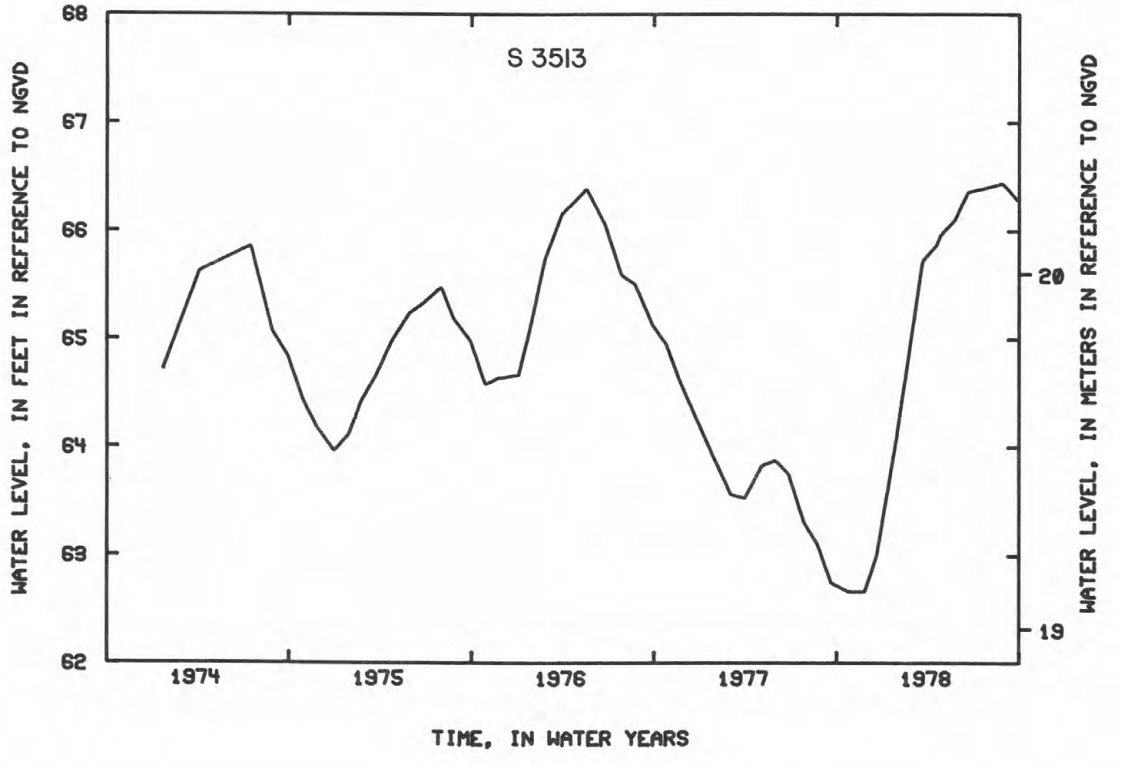


SUFFOLK COUNTY--Continued

405146073031801. Local number, S 3513.
LOCATION.--Lat 40°51'46", long 73°03'18", Hydrologic Unit 02030202, at State Highway 25 and High View Drive, Seldon.
Owner: New York Department of Transportation.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 8 in (0.20 m), depth 65 ft (20 m), screened 63 to 65 ft (19 to 20 m).
DATUM.--Land-surface datum is 101.0 ft (30.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of reducer, 1.31 ft (0.40 m) above land-surface datum.
PERIOD OF RECORD.--April 1942 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 67.63 ft (20.61 m) NGVD, Mar. 5, 1962; lowest measured, 56.06 ft (17.09 m) NGVD, Mar. 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	62.67	DEC 21	63.00	MAR 21	65.72	APR 27	65.96	JUN 21	66.36	AUG 29	66.44
NOV 28	62.67	JAN 27	63.98	APR 19	65.87	MAY 25	66.10	JUL 21	66.39	SEP 29	66.28

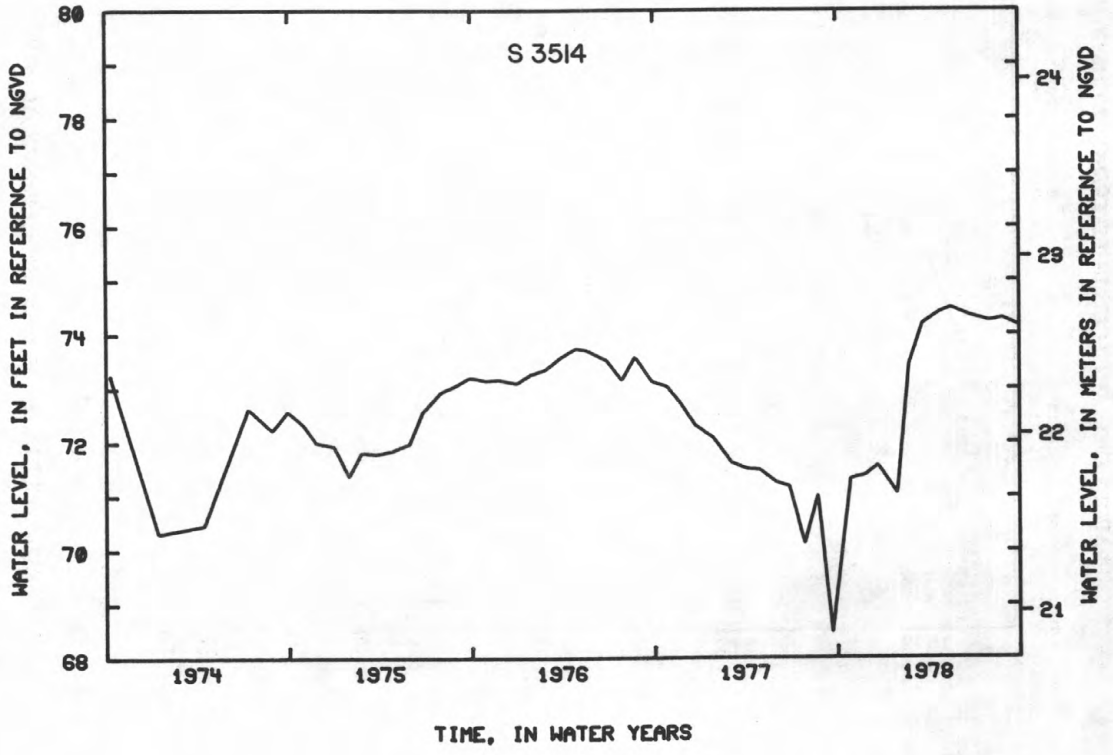


SUFFOLK COUNTY--Continued

405031073181201. Local number, S 3514.
LOCATION.--Lat 40°50'31", long 73°18'12", Hydrologic Unit 02030202, at State Highway 25 and Wilshire Drive, Commack.
Owner: Heatherwood Shopping Center.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Dug observation water-table well, diameter 30 in (0.76 m), depth 98 ft (30 m), screen assumed at bottom.
DATUM.--Land-surface datum is 153.6 ft (46.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in (0.05 m) coupling, 0.18 ft (0.05 m) below land-surface datum.
PERIOD OF RECORD.--May 1942 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 74.52 ft (22.71 m) NGVD, May 26, 1978; lowest measured, 64.23 ft (19.58 m) NGVD, Mar. 18, 26, 1951.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	71.33	JAN 30	71.05	MAR 21	74.19	MAY 18	74.48	JUL 25	74.26	AUG 29	74.29
NOV 28	71.40	FEB 24	73.43	APR 27	74.41	JUN 26	74.33	AUG 3	74.24	SEP 29	74.16
DEC 22	71.58										

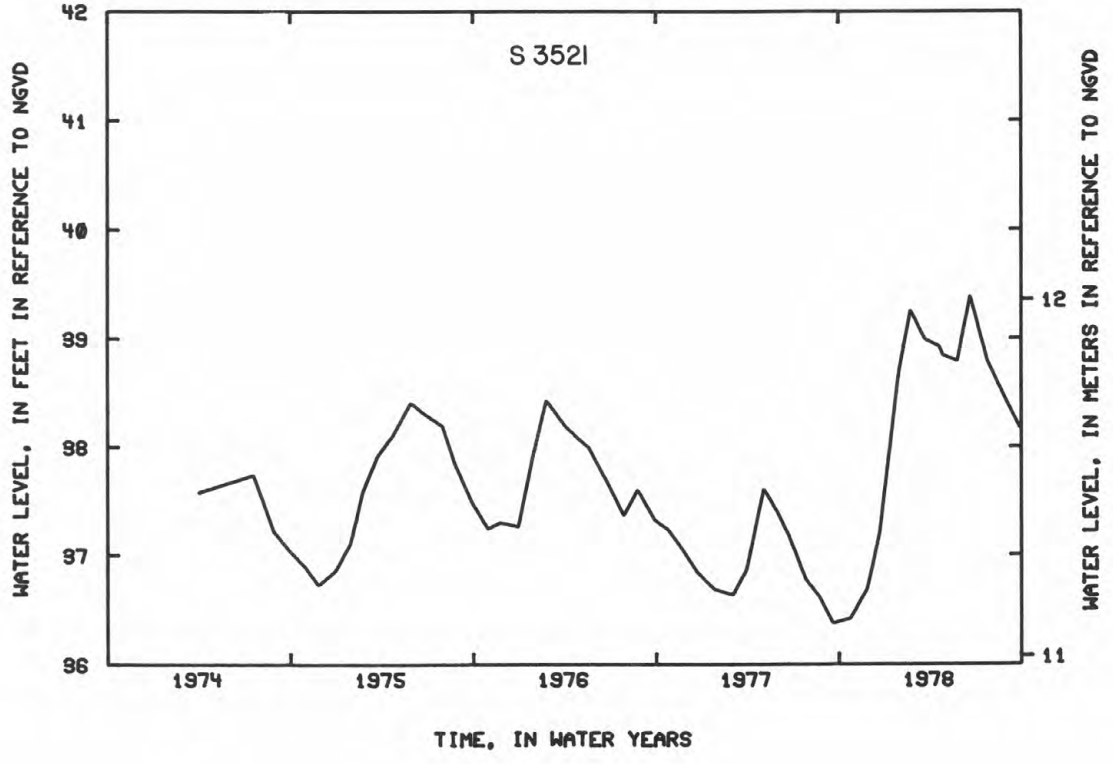


SUFFOLK COUNTY--Continued

404812073004101. Local number, S 3521.
LOCATION.--Lat 40°48'12", long 73°00'41", Hydrologic Unit 02030202, at Medford Avenue, near Cedar Avenue, Medford. Owner: Town of Brookhaven.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Driven observation water-table well, diameter 2 in (0.05 m), depth 50 ft (15 m), screen assumed at bottom.
DATUM.--Land-surface datum is 72.0 ft (21.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.57 ft (0.17 m) above land-surface datum.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for January 1907 to July 1909, April 1942 to September 1975, are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.97 ft (12.18 m) NGVD, June 25, 1958; lowest measured, 34.38 ft (10.48 m) NGVD, Oct. 26, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	36.42	JAN 30	38.68	MAR 21	38.99	APR 27	38.84	JUN 21	39.39	AUG 29	38.45
NOV 28	36.69	FEB 23	39.26	APR 21	38.92	MAY 26	38.79	JUL 25	38.79	SEP 29	38.17
DEC 22	37.19										

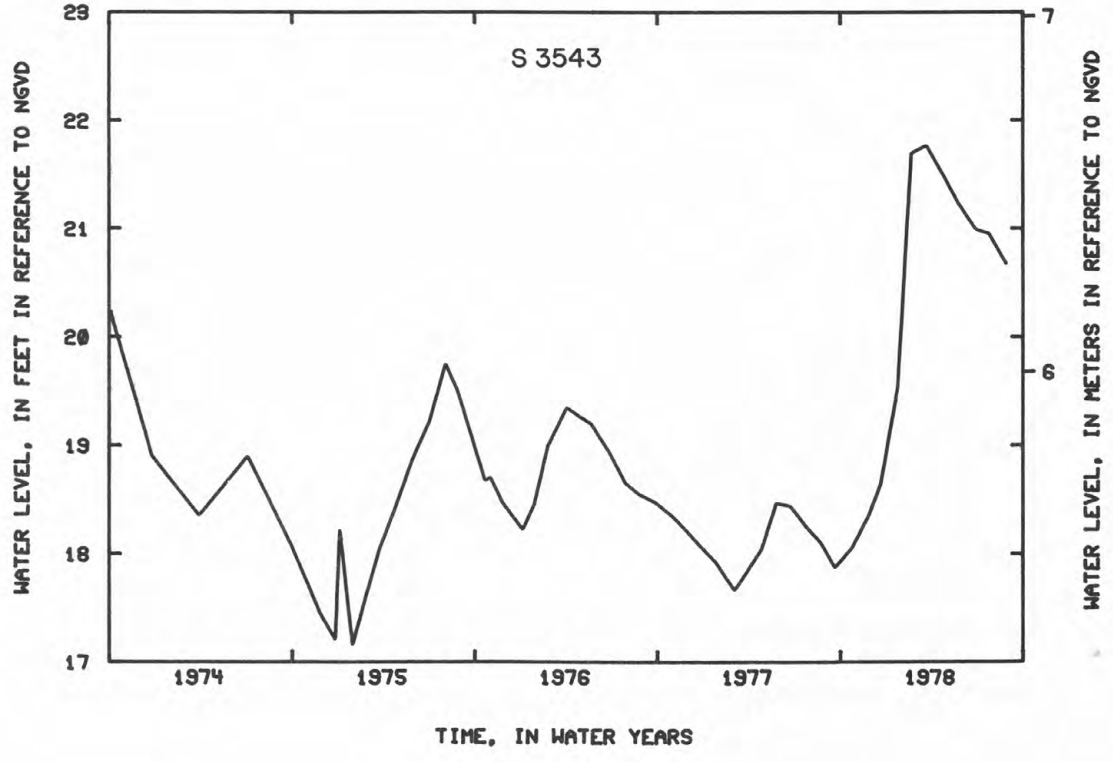


SUFFOLK COUNTY--Continued

405037072390301. Local number, S 3543.
LOCATION.--Lat 40°50'37", long 72°39'03", Hydrologic Unit 02030202, at Old Riverhead Road and main entrance to Suffolk County Airport, Westhampton. Owner: City of New York.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Driven observation water-table well, diameter 2 in (0.05 m), depth 58 ft (18 m), screened 56 to 58 ft (17 to 18 m).
DATUM.--Land-surface datum is 64.4 ft (19.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.04 ft (0.01 m) above land-surface datum.
PERIOD OF RECORD.--March 1907 to December 1909, April 1942 to April 1943, January 1947 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.77 ft (6.64 m) NGVD, March 22, 1978; lowest measured, 15.03 ft (4.58 m) NGVD, Jan. 26, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

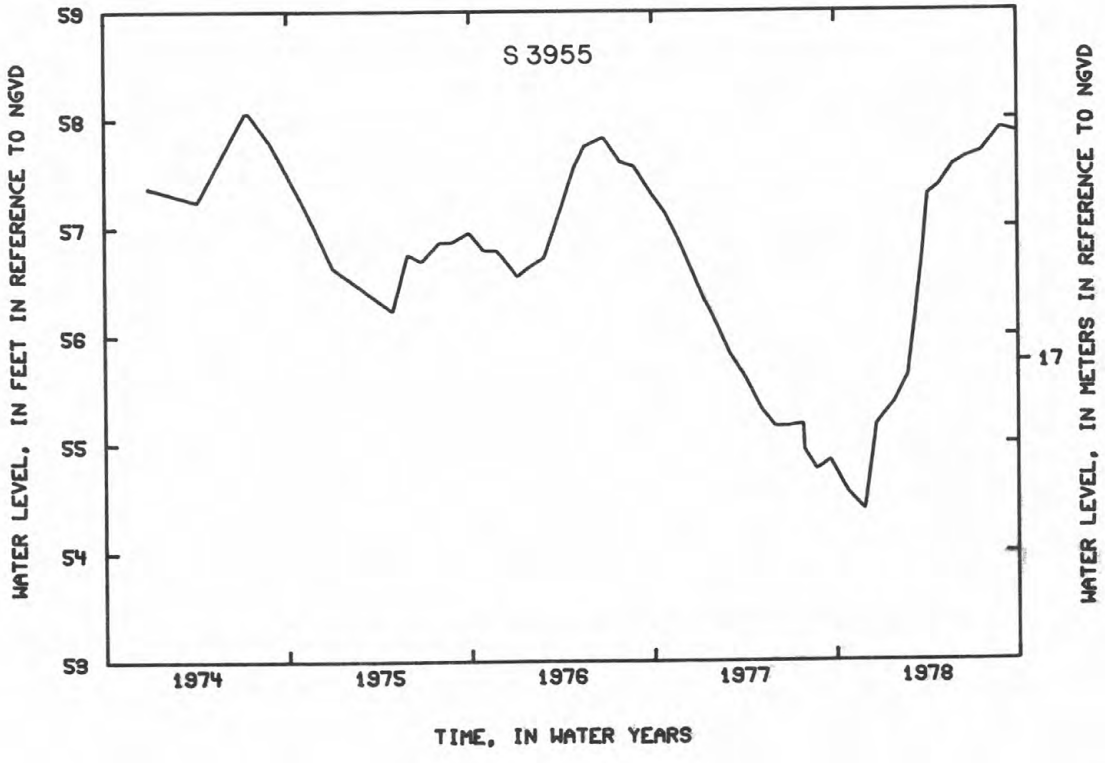
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	18.06	DEC 22	18.65	FEB 22	21.70	APR 25	21.49	JUN 29	20.99	AUG 29	20.67
NOV 29	18.37	JAN 25	19.54	MAR 22	21.77	MAY 25	21.23	JUL 25	20.95		



405343073055004. Local number, S 3955-4.
LOCATION.--Lat 40°53'43", long 73°05'50", Hydrologic Unit 02030201, at Pond Path and Mark Tree Roads, Setauket.
Owner: U.S. Geological Survey.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Augered water-table observation well, diameter 2 in (0.05 m), depth 82 ft (25 m), screened 80 to 82 ft (24 to 25 m).
DATUM.--Land-surface datum is 122.8 ft (37.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.04 ft (0.01 m) below land-surface datum.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for September 1944 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 59.19 ft (18.04 m) NGVD, Oct. 29, 1958; lowest measured, 48.01 ft (14.63 m) NGVD, Mar. 31, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	54.55	JAN 27	55.38	MAR 21	56.67	APR 27	57.38	JUN 21	57.64	AUG 29	57.91
NOV 28	54.39	FEB 24	55.63	APR 4	57.30	MAY 25	57.57	JUL 21	57.69	SEP 29	57.87
DEC 21	55.18										

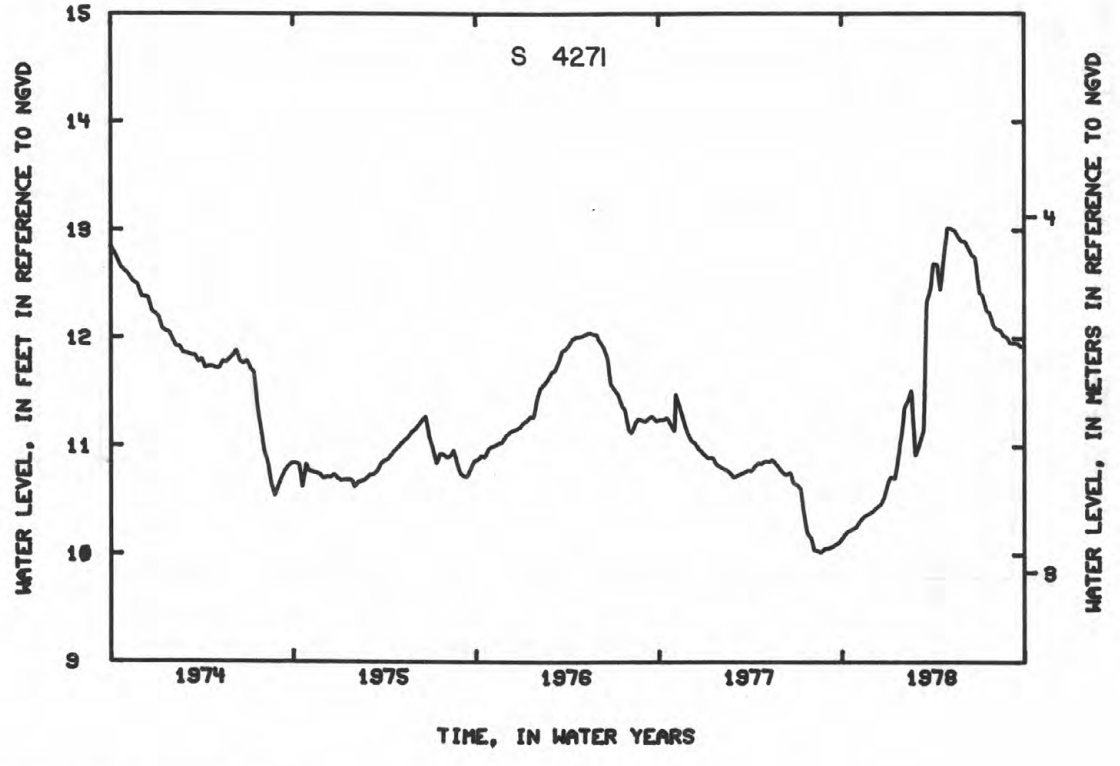


SUFFOLK COUNTY--Continued

405743072425701. Local number, S 4271.
LOCATION.--Lat 40°57'43", long 72°42'57", Hydrologic Unit 02030202, at Long Island Research Farm, Sound Avenue, Riverhead. Owner: U.S. Geological Survey.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 4 in (0.10 m), depth 105 ft (32 m), screened 100 to 105 ft (30 to 32 m).
DATUM.--Land-surface datum is 100.3 ft (30.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 1.14 ft (0.35 m) above land-surface datum.
PERIOD OF RECORD.--August 1945 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.07 ft (3.98 m) NGVD, July 23, 30, 1973; lowest measured, 8.16 ft (2.49 m) NGVD, Sept. 5, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 2	10.15 G	DEC 5	10.41 G	FEB 13	11.43 G	APR 16	12.44 G	JUN 11	12.83 G	AUG 6	12.08 G
10	10.20 G	11	10.44 G	19	11.52 G	24	12.79 G	19	12.76 G	14	12.07 G
16	10.22 G	19	10.47 G	27	10.91 G	30	13.02 G	25	12.74 G	20	12.02 G
24	10.24 G	25	10.53 G	MAR 7	11.06 G	MAY 8	13.01 G	JUL 3	12.41 G	28	12.00 G
30	10.25 G	JAN 2	10.66 G	13	11.15 G	14	12.99 G	9	12.39 G	SEP 3	11.95 G
NOV 7	10.31 G	8	10.72 G	19	12.33 G	22	12.93 G	17	12.25 G	11	11.95 G
13	10.34 G	16	10.70 G	27	12.46 G	28	12.89 G	23	12.23 G	17	11.95 G
21	10.37 G	30	11.12 G	APR 2	12.69 G	JUN 5	12.89 G	31	12.11 G	25	11.92 G
27	10.38 G	FEB 5	11.36 G	10	12.68 G						



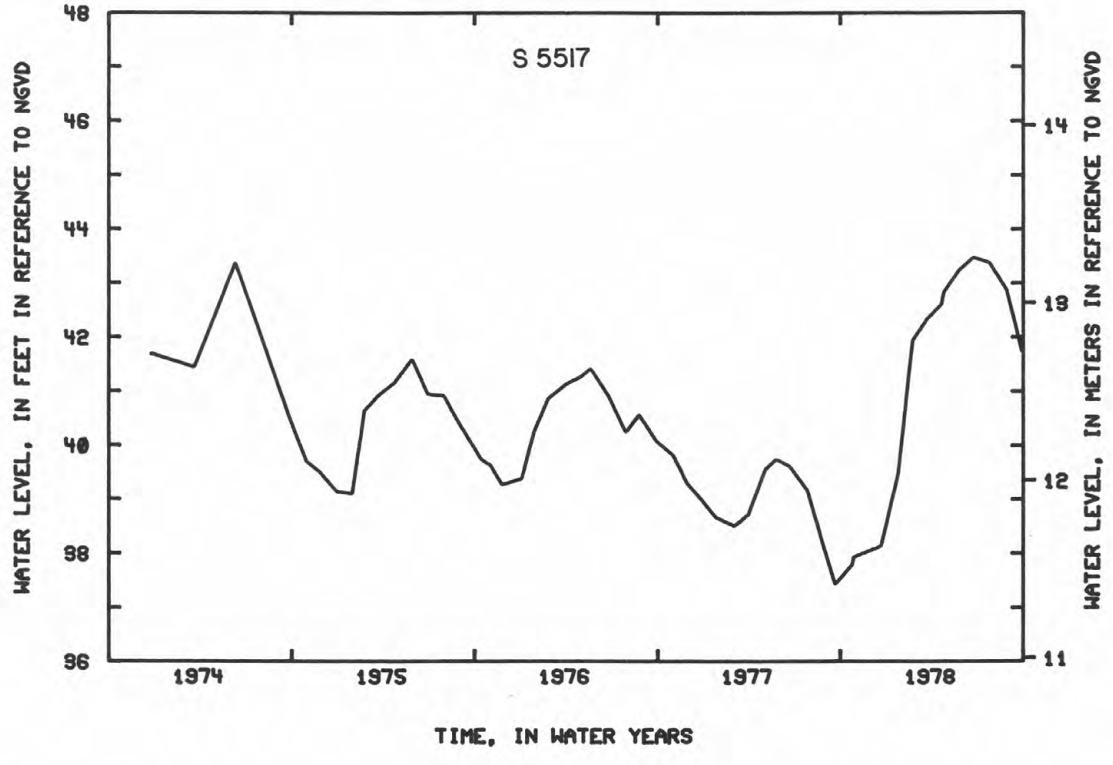
G MEASUREMENT BY ANOTHER AGENCY

SUFFOLK COUNTY--Continued

405149072532201. Local number, S 5517.
LOCATION.--Lat 40°51'49", long 72°53'22", Hydrologic Unit 02030202, at Upton Road and Princeton Avenue, Upton.
Owner: Brookhaven National Laboratory.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 4 in (0.10 m), depth 91 ft (28 m), screened 85 to 91 ft (26 to 28 m).
DATUM.--Land-surface datum is 115.0 ft (35.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.04 ft (0.01 m) above land-surface datum.
PERIOD OF RECORD.--April 1948 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 46.93 ft (14.30 m) NGVD, July 29, 1958; lowest measured, 33.34 ft (10.16 m) NGVD, Mar. 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	37.80	JAN 25	39.48	MAR 22	42.34	APR 25	42.84	JUN 23	43.48	AUG 29	42.87
28	37.94	FEB 23	41.94	APR 21	42.62	MAY 25	43.24	JUL 25	43.38	SEP 29	41.74
DEC 22	38.14										

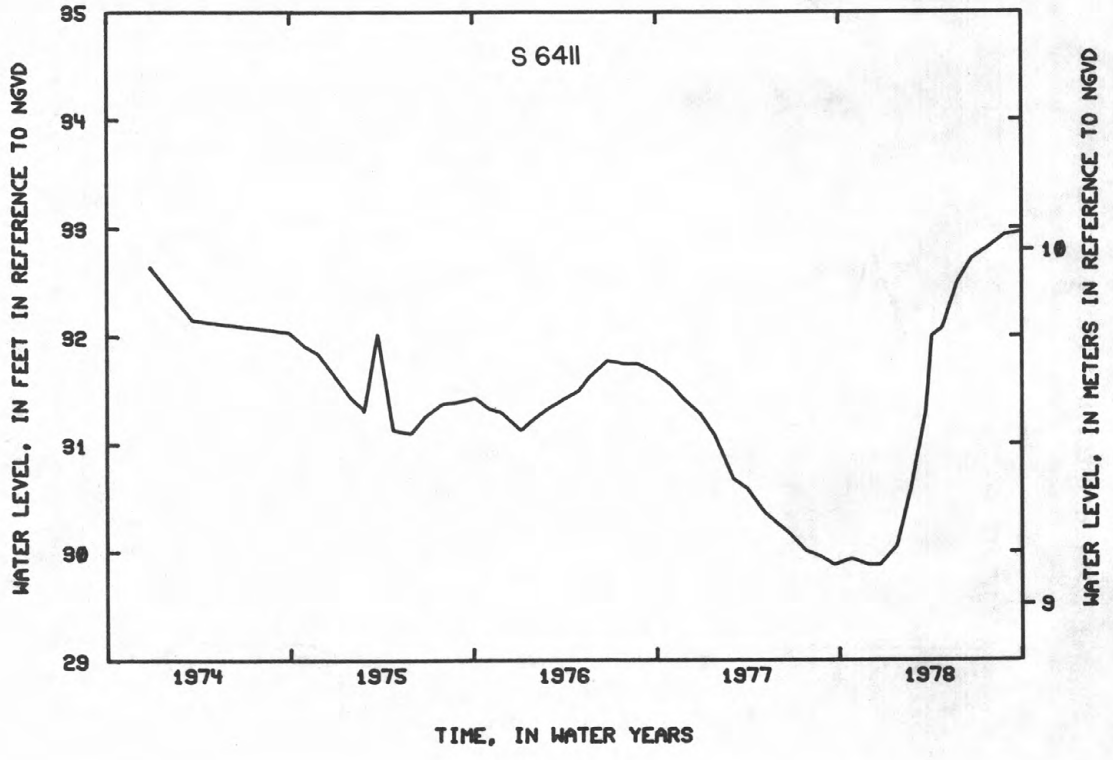


SUFFOLK COUNTY--Continued

40565072541801. Local number, S 6411.
LOCATION.--Lat 40°56'50", long 72°54'18", Hydrologic Unit 02030202, at State Highway 25 and Randall Road, Shoreham. Owner: Brookhaven National Laboratory.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 4 in (0.10 m), depth 149 ft (45 m), screened 143 to 149 ft (44 to 45 m).
DATUM.--Land-surface datum is 138.4 ft (42.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.73 ft (0.53 m) above land-surface datum.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for November 1948 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 34.01 ft (10.37 m) NGVD, Oct. 29, 1958; lowest measured, 25.15 ft (7.67 m) NGVD, Dec. 28, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	29.94	JAN 25	30.06	MAR 22	31.29	APR 25	32.08	JUN 23	32.72	AUG 29	32.94
NOV 28	29.88	FEB 23	30.60	APR 4	32.01	MAY 25	32.50	JUL 25	32.82	SEP 29	32.96
DEC 22	29.88										



405223072523401. Local number, S 6434.
LOCATION.--Lat 40°52'23", long 72°52'34", Hydrologic Unit 02030202, at 10th Street and 4th Avenue, Upton.
Owner: Brookhaven National Laboratory.
AQUIFER.--Lloyd.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 10 in (0.25 m), depth 1,395 ft (425 m), screened 1,312 to 1,392 ft (400 to 424 m).
DATUM.--Land-surface datum is 85.0 ft (25.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in (0.05 m) nipple, 2.21 ft (0.67 m) above land-surface datum.
REMARKS.--Water-quality records for 1949 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--August 1949 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 35.20 ft (10.73 m) NGVD, July 29, 1958; lowest measured, 28.74 ft (8.76 m) NGVD, Mar. 1, 1967.

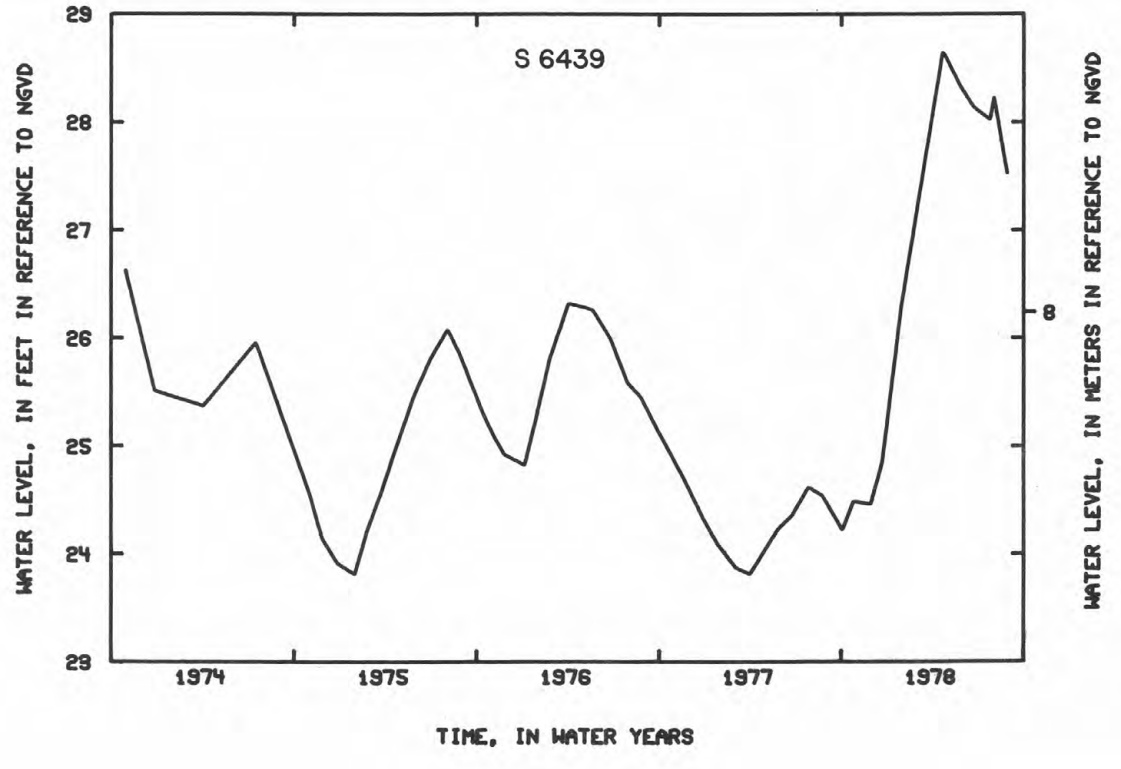
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 7	31.64	OCT 26	31.79	JAN 4	32.32						

404936072483501. Local number, S 6439.
LOCATION.--Lat 40°49'36", long 72°48'35", Hydrologic Unit 02030202, at Jerusalem Hollow Road and Chichester Avenue, Manorville. Owner: Town of Brookhaven.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 1.25 in (0.03 m), depth 42 ft (13 m), screen assumed at bottom.
DATUM.--Land-surface datum is 54.5 ft (16.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.54 ft (0.16 m) below land-surface datum.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for January 1949 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 28.65 ft (8.73 m) NGVD, Apr. 21, 1978; lowest measured, 21.64 ft (6.60 m) NGVD, Feb. 23, 1951.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	24.22	NOV 29	24.46	JAN 30	26.31	APR 25	28.62	JUN 22	28.14	AUG 3	28.23
25	24.49	DEC 22	24.85	APR 21	28.65	MAY 25	28.34	JUL 25	28.02	29	27.52



405223072523402. Local number, S 6455.
LOCATION.--Lat 40°52'23", long 73°52'34", Hydrologic Unit 02030202, at 10th Street and 4th Avenue, Upton.
Owner: Brookhaven National Laboratory.
AQUIFER.--Magothy.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in (0.10 m), depth 962 ft (293 m), screened 952 to 962 ft (290 to 293 m).
DATUM.--Land-surface datum is 84.6 ft (25.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.16 ft (0.05 m) below land-surface datum.
PERIOD OF RECORD.--July 1949 to June 1952, January 1954 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 47.15 ft (14.37 m) NGVD, May 31, 1949; lowest measured, 33.82 ft (10.31 m) NGVD, Dec. 27, 1966, Mar. 1, 1967.

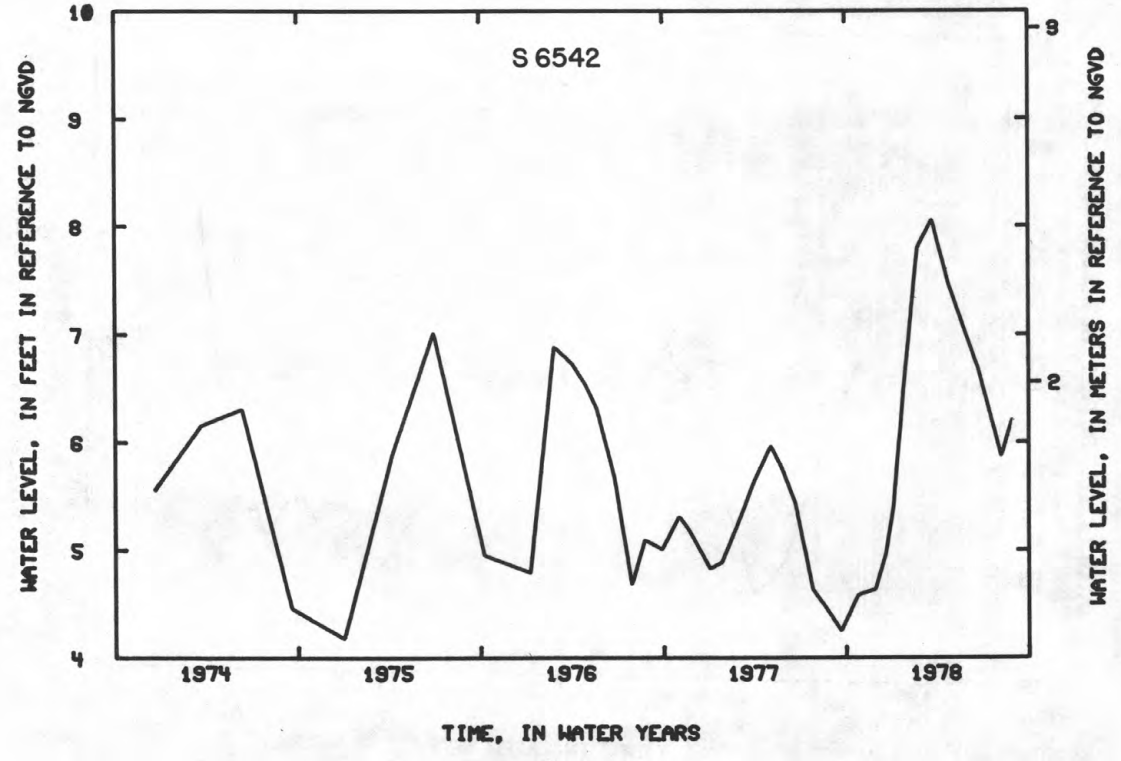
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 7	37.29	OCT 26	37.59	JAN 11	37.90	MAR 27	41.45	APR 21	41.19	JUN 29	41.04

410100072292501. Local number, S 6542.
LOCATION.--Lat 41°01'00", long 72°29'25", Hydrologic Unit 02030202, at Depot Lane, 0.4 mi (0.6 km) north of State Highway 25, Cutchogue. Owner: Cutchogue Fire Department.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Drilled fire-protection water-table well, diameter 6 in (0.15 m), depth 36 ft (11 m), screen assumed at bottom.
DATUM.--Land-surface datum is 24.4 ft (7.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Bottom outside edge of hose connection, 1.79 ft (0.55 m) above land-surface datum.
PERIOD OF RECORD.--July 1949 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.27 ft (2.52 m) NGVD, May 29, 1958; lowest measured, 2.66 ft (0.81 m) NGVD, Aug. 31, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	4.59	JAN 5	5.41	FEB 23	7.80	MAR 31	7.89 G	MAY 25	7.05	AUG 7	5.87
NOV 29	4.64	25	6.50	MAR 22	8.06	APR 25	7.45	JUN 23	6.67	29	6.21
DEC 20	4.98 G										



G MEASUREMENT BY ANOTHER AGENCY

405756072173501. Local number, S 8833.
LOCATION.--Lat 40°57'56", long 72°17'35", Hydrologic Unit 02030202, at Toppings Path near Sag Harbor. Owner: Town of Southampton.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Driven observation water-table well, diameter 2 in (0.05 m), depth 13 ft (4.0 m), screened 10 to 13 ft (3.0 to 4.0 m).
DATUM.--Land-surface datum is 20.0 ft (6.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.63 ft (0.50 m) above land-surface datum.
REMARKS.--Water-quality records for 1974-76 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--October 1950 to current year. Unpublished records for October 1950 to September 1977 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.30 ft (5.58 m) NGVD, May 26, 1953; lowest measured, 12.87 ft (3.92 m) NGVD, Oct. 27, 1966.

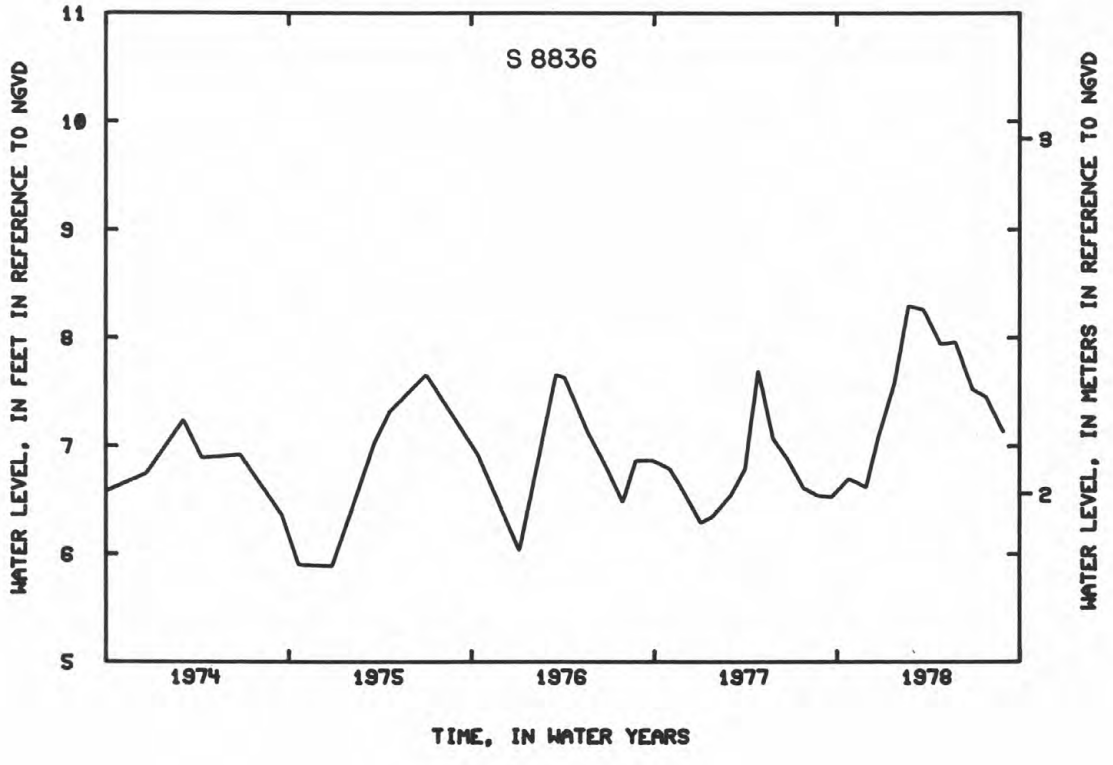
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 5	15.74	JAN 10	16.51	MAR 30	18.08	JUL 3	17.86				

405309072233101. Local number, S 8836.
LOCATION.--Lat 40°53'09", long 72°23'31", Hydrologic Unit 02030202, at Nugent Street and Windmill Lane, Southampton. Owner: Southampton Fire Department.
AQUIFER.--Upper Glacial
WELL CHARACTERISTICS.--Drilled fire-protection water-table well, diameter 8 in (0.20 m), depth 37 ft (11 m), screen assumed at bottom.
DATUM.--Land-surface datum is 17.4 ft (5.30 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.47 ft (0.45 m) above land-surface datum.
REMARKS.--Water-quality records for 1974-76 are available in files of Long Island Sub-district office; those for 1977 are published elsewhere in this report.
PERIOD OF RECORD.--July 1950 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.08 ft (2.77 m) NGVD, Mar. 29, 1973; lowest measured, 4.93 ft (1.50 m) NGVD, Aug. 30, 1968.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

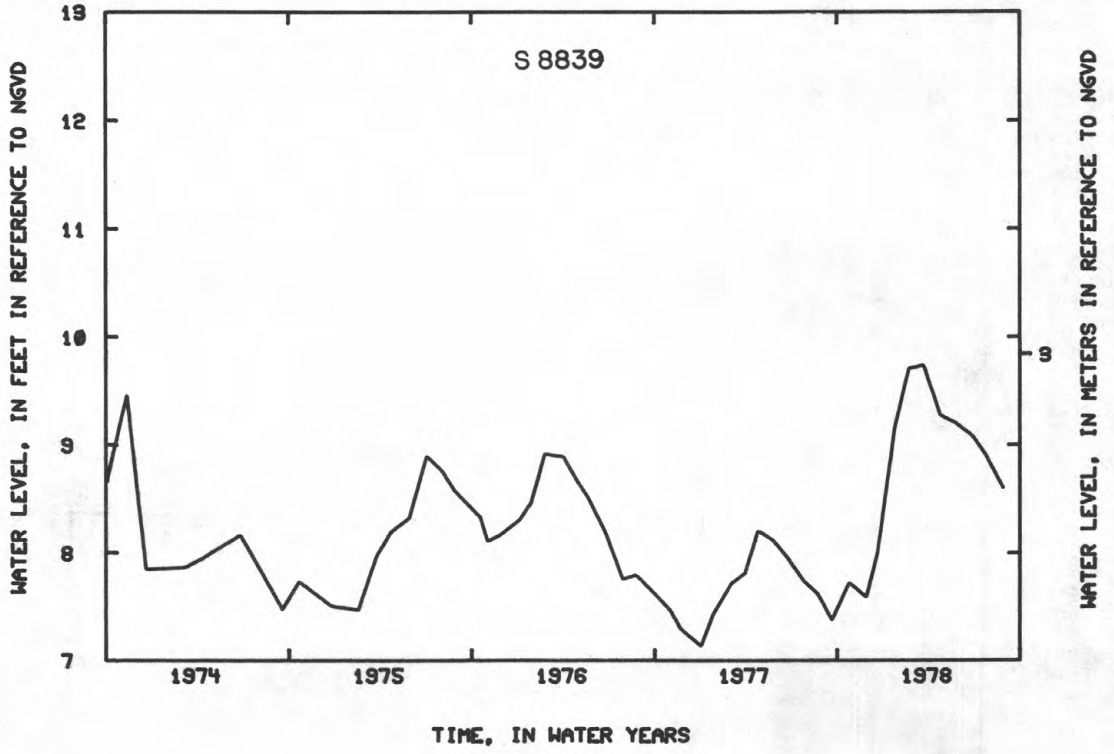
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	6.70	DEC 22	7.06	FEB 22	8.30	APR 25	7.94	JUN 29	7.52	AUG 29	7.13
NOV 29	6.62	JAN 25	7.59	MAR 22	8.26	MAY 25	7.96	JUL 25	7.45		



405840072082301. Local number, S 8839.
LOCATION.--Lat 40°58'40", long 72°08'23", Hydrologic Unit 02030202, at Windmill Lane and State Highway 27, Amagansett. Owner: D. Toler.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Driven observation water-table well, diameter 1.25 in (0.03 m), depth 37 ft (11 m), screen assumed at bottom.
DATUM.--Land-surface datum is 39.1 ft (11.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.87 ft (0.27 m) above land-surface datum.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for August 1950 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.88 ft (3.01 m) NGVD, Sept. 23, 1971; lowest measured, 6.10 ft (1.86 m) NGVD, Oct. 27, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	7.73	DEC 22	8.02	FEB 23	9.71	APR 25	9.27	JUN 29	9.08	AUG 29	8.60
NOV 29	7.59	JAN 25	9.15	MAR 22	9.74	MAY 25	9.20	JUL 25	8.90		



404831072530501. Local number, S 9130.
LOCATION.--Lat 40°48'31", long 72°53'05", Hydrologic Unit 02030202, at River Road, Shirley. Owner: Town of Brookhaven.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2 in (0.05 m), depth 28 ft (8.5 m), screened 25 to 28 ft (7.6 to 8.5 m).
DATUM.--Land-surface datum is 26.0 ft (7.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 100 ft (0.30 m) above land-surface datum.
PEPIOD OF RECORD.--June 1953 to current year. Unpublished records for June 1953 to September 1977 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.53 ft (3.51 m) NGVD, Mar. 29, 1978; lowest measured, 9.58 ft (2.92 m) NGVD, Feb. 26, 1954.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	10.20	OCT 26	10.50	JAN 3	10.67	MAR 29	11.53	APR 17	11.27	JUN 22	11.10

SUFFOLK COUNTY--Continued

405843072352902. Local number, S 16756-2.
LOCATION.--Lat 40°58'43", long 72°35'29", Hydrologic Unit 02030202, at Herricks Lane, 0.25 mi (0.4 km) south of Sound Avenue, Jamesport. Owner: Town of Riverhead.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2 in (0.05 m), depth 62 ft (19 m), screen assumed at bottom.
DATUM.--Land-surface datum is 61.0 ft (18.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.23 ft (0.07 m) below land-surface datum.
PERIOD OF RECORD.--October 1976 to current year. Unpublished records for September 1958 to September 1976 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.91 ft (3.02 m) NGVD, June 19, 1973; lowest measured, 4.21 ft (1.28 m) NGVD, Aug. 31, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 12	6.75	MAR 28	9.85	MAR 30	9.87						

410225072283701. Local number, S 16777-2.
LOCATION.--Lat 41°02'25", long 72°28'37", Hydrologic Unit 02030201, at Sound Avenue, near Peconic. Owner: U.S. Geological Survey.
AQUIFER.--Upper Glacial
WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2 in (0.05 m), depth 66 ft (20 m), screened 46 to 51 ft (14 to 16 m).
DATUM.--Land-surface datum is 37.0 ft (11.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.17 ft (0.05 m) below land-surface datum.
PERIOD OF RECORD.--September 1958 to current year. Unpublished records for September 1958 to September 1977 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.76 ft (2.37 m) NGVD, Oct. 4, 1961; lowest measured, 2.27 ft (0.69 m) NGVD, Aug. 31, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 12	3.63	DEC 29	3.88 G	MAR 31	6.14 G	JUN 23	6.33	AUG 7	5.60		

410856072172001. Local number, S 16787.
LOCATION.--Lat 41°08'56", long 72°17'20", Hydrologic Unit 02030201, at State Highway Route 25, Orient. Owner: Suffolk County Department of Public Works.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Driven observation water-table well, diameter 1.25 in (0.03 m), depth 44 ft (13 m), screened 41 to 44 ft (12 to 13 m).
DATUM.--Land-surface datum is 22.2 ft (6.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.24 ft (0.07 m) above land surface-datum.
PERIOD OF RECORD.--August 1958 to current year. Unpublished records for August 1958 to September 1977 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.52 ft (1.38 m) NGVD, July 7, 1972; lowest measured, 1.12 ft (0.34 m) NGVD, Aug. 8, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 5	2.36	OCT 12	2.43	MAR 28	3.94						

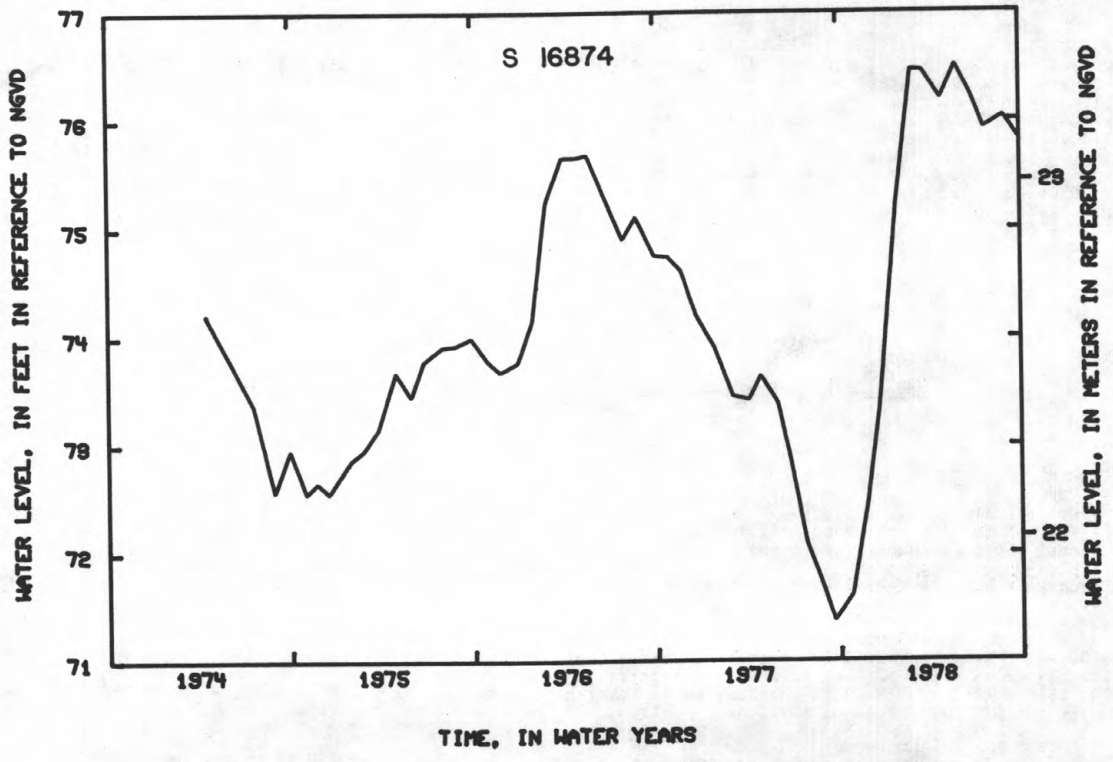
G MEASUREMENT BY ANOTHER AGENCY

SUFFOLK COUNTY--Continued

404747073241501. Local number, S 16874.
LOCATION.--Lat 40°47'47", long 73°24'15", Hydrologic Unit 02030202, at Old Country Road and New York Avenue, Huntington. Owner: Town of Huntington.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Driven observation water-table well, diameter 1.25 in (0.03 m), depth 82 ft (25 m), screen assumed at bottom.
DATUM.--Land-surface datum is 141.2 ft (43.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.04 ft (0.01 m) below land-surface datum.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for July 1958 to May 1959, August 1971 to September 1975, are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 78.34 ft (23.87 m) NGVD, July 16, 1958: lowest measured, 66.95 ft (20.40 m) NGVD, Oct. 20, 1971.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	71.62	JAN 27	75.24	MAR 20	76.45	APR 26	76.19	JUN 26	76.22	AUG 30	76.03
NOV 28	72.49	FEB 28	76.46	APR 13	76.00 G	MAY 26	76.50	JUL 21	75.92	SEP 29	75.83
DEC 22	73.35										



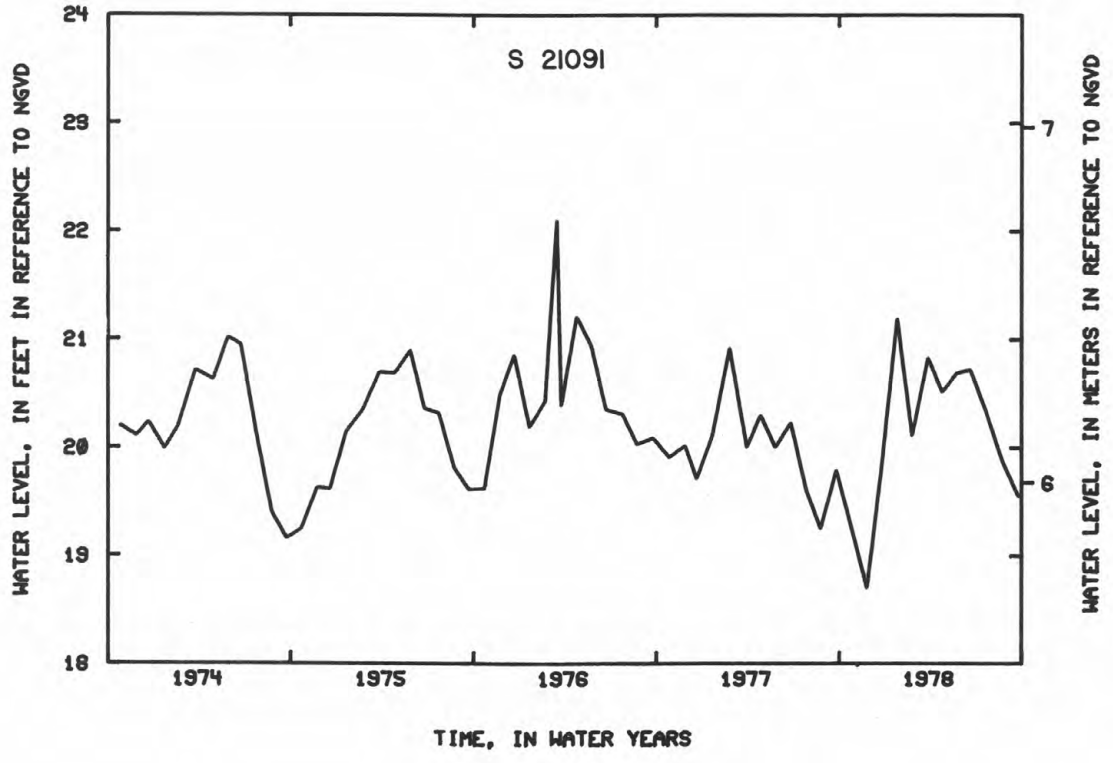
G MEASUREMENT BY ANOTHER AGENCY

SUFFOLK COUNTY--Continued

403727073154602. Local number, S 21091.
LOCATION.--Lat 40°37'27", long 73°15'46", Hydrologic Unit 02030202, at Robert Moses State Park, Fire Island.
Owner: Long Island State Park Commission.
AQUIFER.--Lloyd.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in (0.15 m), depth 1,921 ft (586 m), screened 1,918 to 1,921 ft (585 to 586 m).
DATUM.--Land-surface datum is 10.0 ft (3.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of flange, 13.68 ft (4.17 m) above land-surface datum.
REMARKS.--Water-quality records for 1965 and 1972 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for June 1962 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.10 ft (6.74 m) NGVD, Mar. 16, 1976; lowest measured, 15.13 ft (4.61 m) NGVD, June 2, 1972.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	19.25	DEC 26	19.84	FEB 26	20.11	APR 25	20.51	JUN 20	20.72	AUG 24	19.87
NOV 27	18.70	JAN 26	21.19	MAR 27	20.83	MAY 23	20.69	JUL 22	20.32	SEP 25	19.55

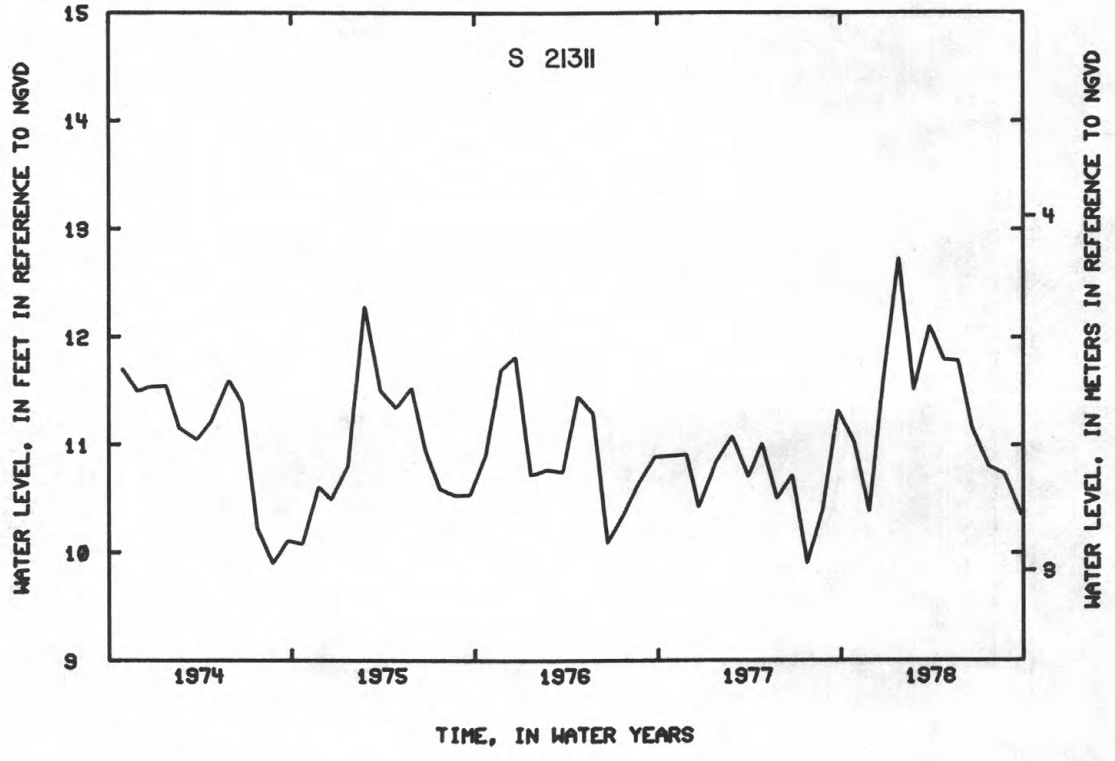


SUFFOLK COUNTY--Continued

403727073154601. Local number, S 21311.
LOCATION.--Lat 40°37'27", long 73°15'46", Hydrologic Unit 02030202, at Robert Moses State Park, Fire Island.
Owner: Long Island State Park Commission.
AQUIFER.--Magothy.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in (0.15 m), depth 721 ft (220 m), screened 711 to 721 ft (217 to 220 m).
DATUM.--Land-surface datum is 10.0 ft (3.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 20.01 ft (6.10 m) above land-surface datum.
REMARKS.--Water-quality records for 1965 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for June 1962 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.95 ft (3.95 m) NGVD, Apr. 4, 1973; lowest measured, 5.35 ft (1.63 m) NGVD, Feb. 23, 1972.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	11.03	DEC 26	11.61	FEB 26	11.51	APR 25	11.79	JUN 20	11.16	AUG 24	10.73
NOV 28	10.38	JAN 26	12.73	MAR 27	12.10	MAY 23	11.78	JUL 23	10.80	SEP 27	10.35

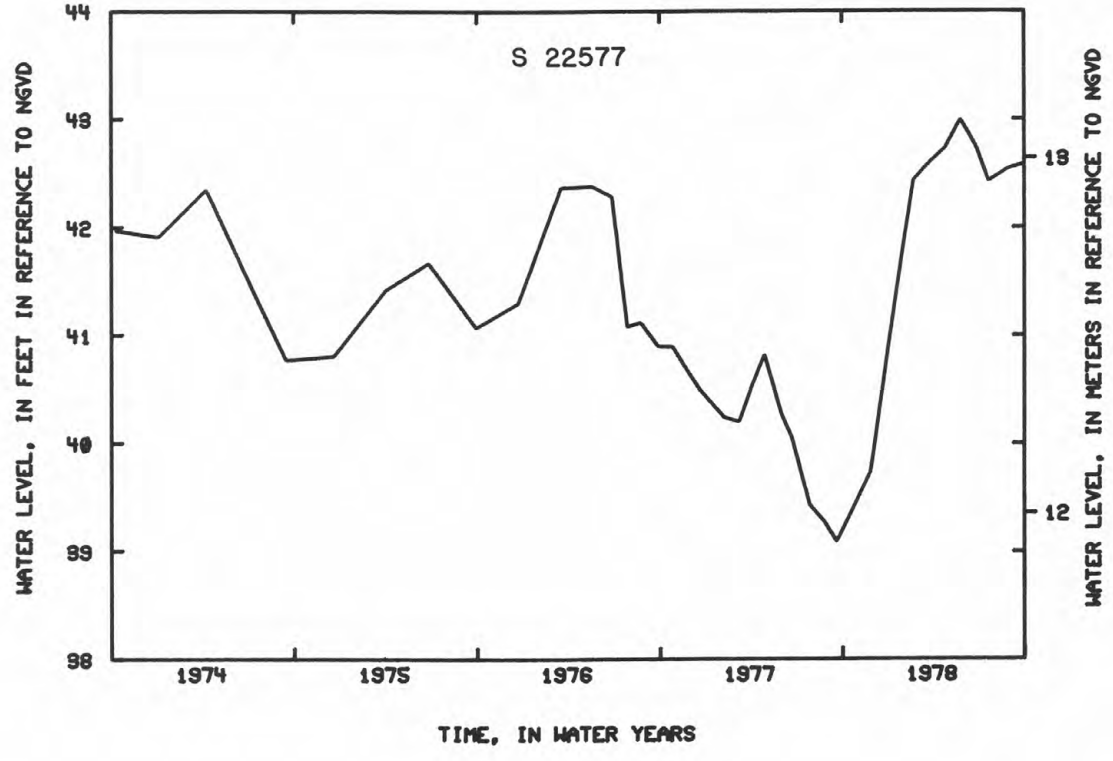


SUFFOLK COUNTY--Continued

404902073094001. Local number, S 22577.
LOCATION.--Lat 40°49'02", long 73°09'40", Hydrologic Unit 02030202, at Vanderbilt Parkway, near Nicoll Road, Hauppauge. Owner: U.S. Geological Survey.
AQUIFER.--Magothy.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in (0.10 m), depth 736 ft (224 m), screened 724 to 734 ft (221 to 224 m).
DATUM.--Land-surface datum is 60.0 ft (18.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 2.63 ft (0.80 m) above land-surface datum.
REMARKS.--Water-quality records for 1964 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for August 1964 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 43.07 ft (13.13 m) NGVD, July 3, 1973; lowest measured, 36.19 ft (11.03 m) NGVD, Mar. 2, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

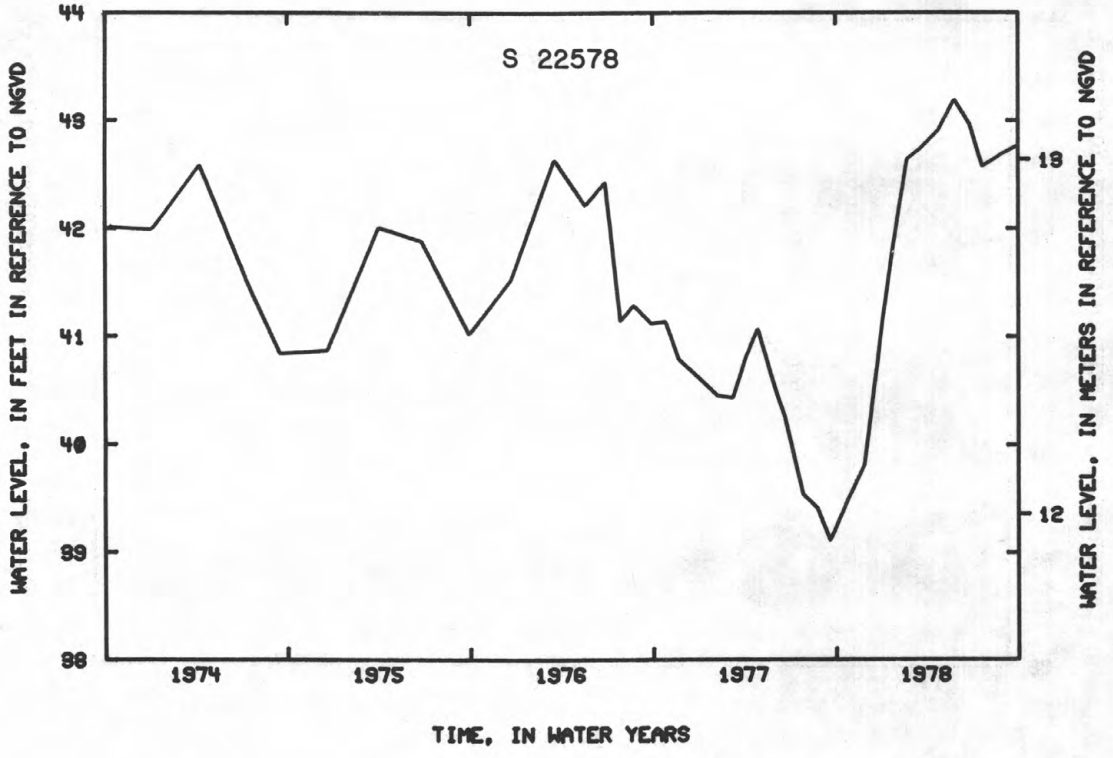
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	39.43	JAN 3	40.90	FEB 23	42.43	APR 26	42.73	JUN 26	42.74	AUG 30	42.54
NOV 28	39.74	28	41.67	MAR 20	42.57	MAY 26	42.99	JUL 21	42.42	SEP 29	42.58



404902073094002. Local number, S 22578.
LOCATION.--Lat 40°49'02", long 73°09'40", Hydrologic Unit 02030202, at Vanderbilt Parkway, near Nicoll Road, Hauppauge. Owner: U.S. Geological Survey.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 4 in (0.10 m), depth 402 ft (123 m), screened 392 to 402 ft (119 to 123 m).
DATUM.--Land-surface datum is 60.1 ft (18.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in (0.05 m) coupling, 2.79 ft (0.85 m) above land-surface datum.
REMARKS.--Water-quality records for 1964 and 1971 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for August 1964 to September 1975 are in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 43.19 ft (13.16 m) NGVD, May 26, 1978; lowest measured, 36.35 ft (11.08 m) NGVD, Mar. 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	39.50	JAN 3	41.12	FEB 23	42.64	APR 25	42.91	JUN 26	42.96	AUG 30	42.69
NOV 28	39.81	27	41.88	MAR 20	42.74	MAY 26	43.19	JUL 21	42.57	SEP 29	42.76

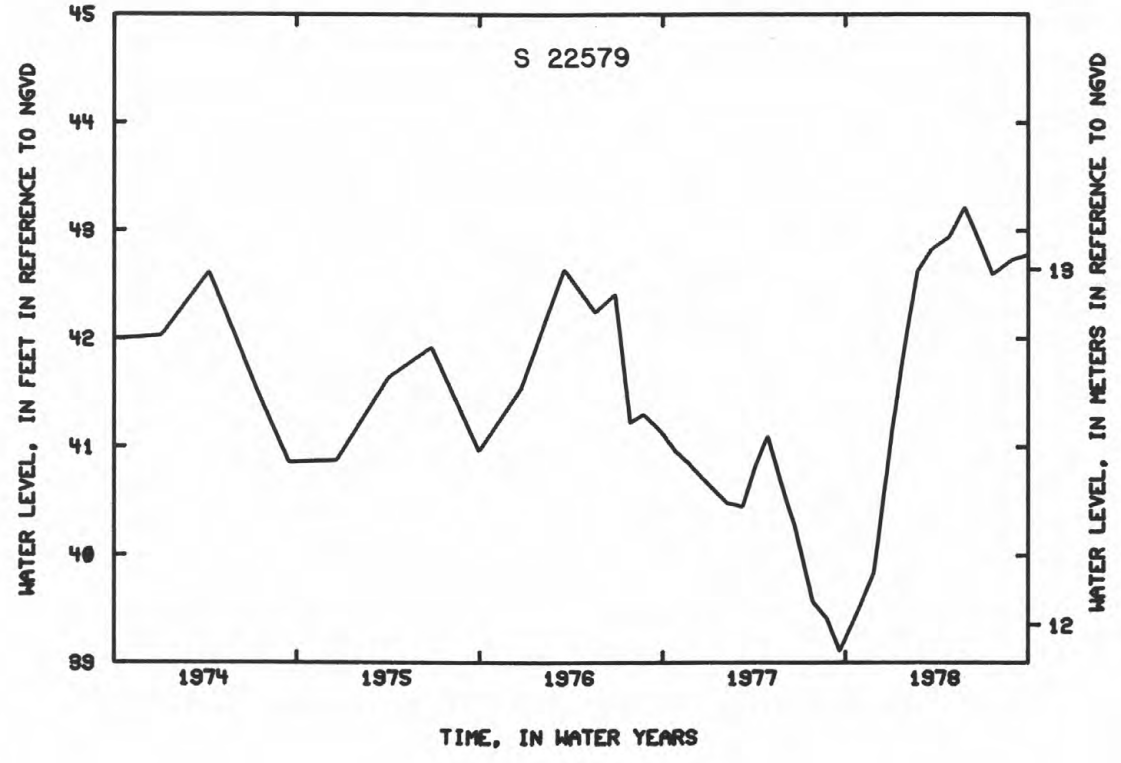


SUFFOLK COUNTY--Continued

404902073094003. Local number, S 22579.
LOCATION.--Lat 40°49'02", long 73°09'40", Hydrologic Unit 02030202, at Vanderbilt Parkway, near Nicoll Road, Hauppauge. Owner: U.S. Geological Survey.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 4 in (0.10 m), depth 210 ft (64 m), screened 200 to 220 ft (61 to 67 m).
DATUM.--Land-surface datum is 60.1 ft (18.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in (0.05 m) coupling, 2.50 ft (0.76 m) above land-surface datum.
REMARKS.--Water-quality records for 1964 and 1971 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for August 1964 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 43.21 ft (13.17 m) NGVD, July 3, 1973, May 26, 1978; lowest measured, 36.40 ft (11.09 m) NGVD, Mar. 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

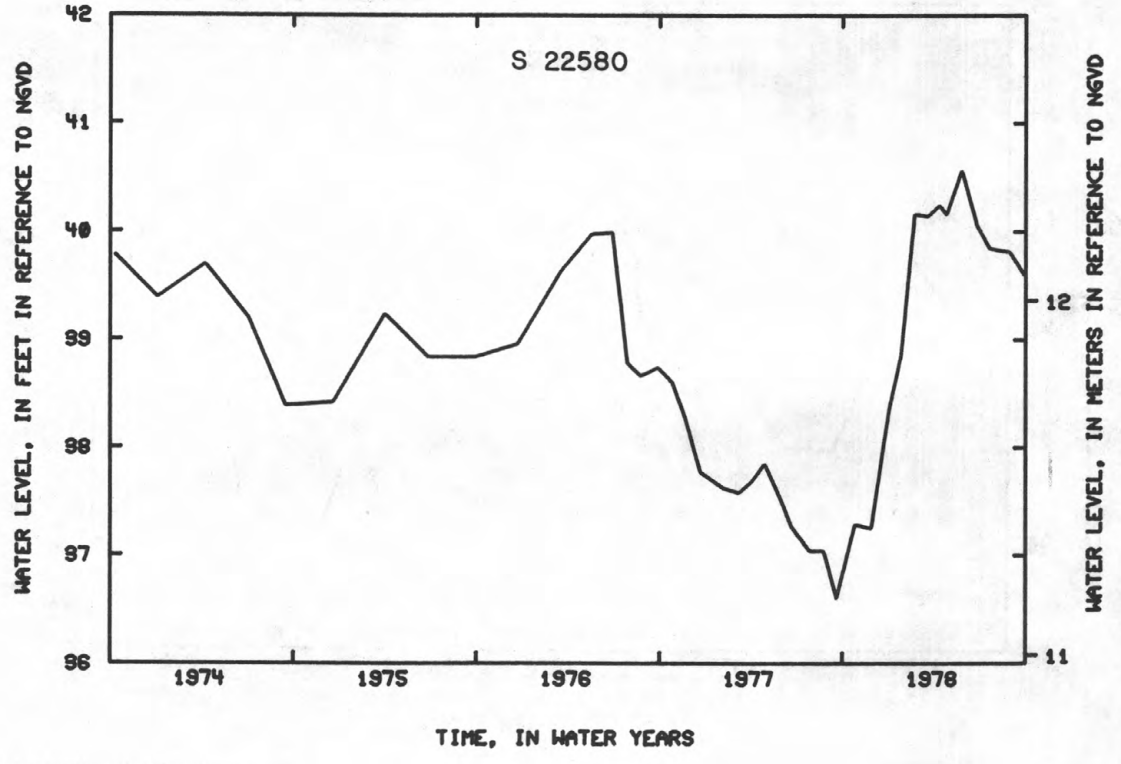
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	39.48	JAN 3	41.14	FEB 23	42.62	APR 26	42.94	JUN 26	42.88	AUG 30	42.73
NOV 28	39.84	27	41.89	MAR 20	42.82	MAY 26	43.21	JUL 21	42.59	SEP 29	42.77



404828073114002. Local number, S 22580.
LOCATION.--Lat 40°48'28", long 73°11'40", Hydrologic Unit 02030202, at Long Island Expressway Service Road and Vanderbilt Parkway, Central Islip. Owner: U.S. Geological Survey.
AQUIFER.--Magothy.
WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 4 in (0.10 m), depth 802 ft (244 m), screened 440 to 450 ft (134 to 137 m).
DATUM.--Land-surface datum is 123.0 ft (37.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 4.30 ft (1.31 m) above land-surface datum.
REMARKS.--Water-quality records for 1972 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for May 1964 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 40.98 ft (12.49 m) NGVD, July 3, 1973; lowest measured, 34.01 ft (10.37 m) NGVD, Jan. 27, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	37.29	JAN 27	38.85	MAR 20	40.14	APR 26	40.15	JUN 26	40.05	AUG 30	39.81
NOV 28	37.25	FEB 23	40.16	APR 12	40.24 G	MAY 26	40.56	JUL 21	39.84	SEP 29	39.60
JAN 3	38.35										



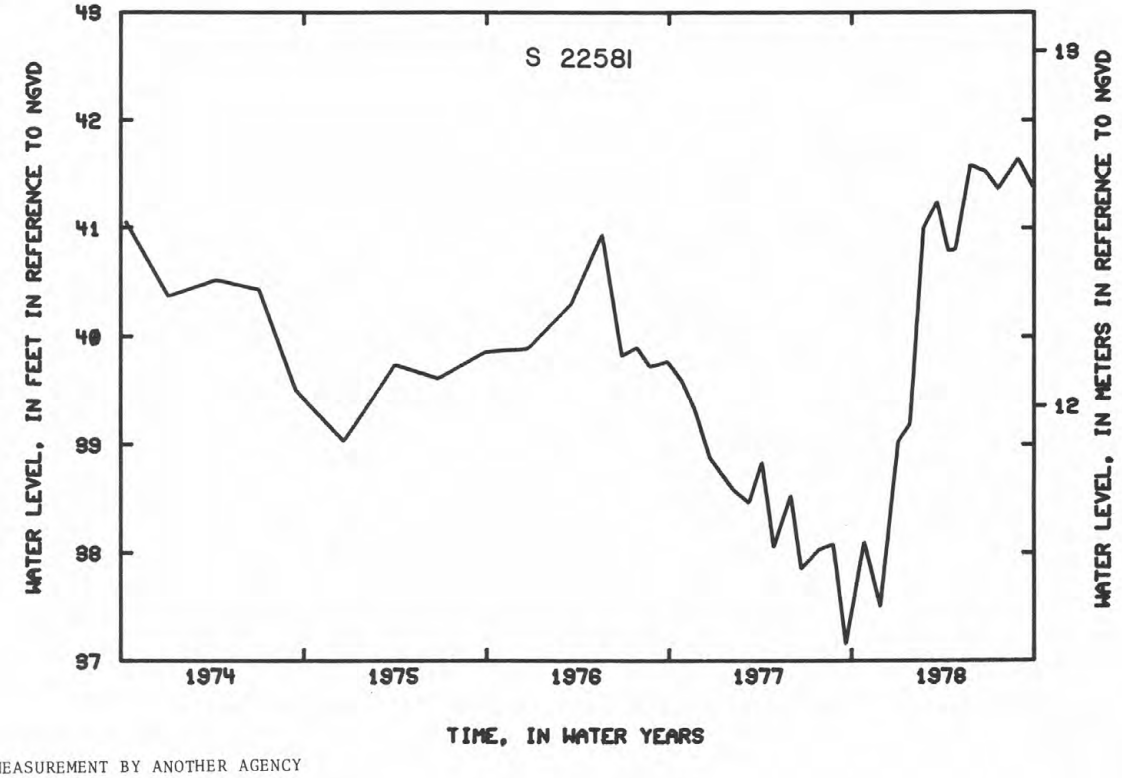
G MEASUREMENT BY ANOTHER AGENCY

SUFFOLK COUNTY--Continued

404828073114003. Local number, S 22581.
LOCATION.--Lat 40°48'28", long 73°11'40", Hydrologic Unit 02030202, at Long Island Expressway Service Road and Vanderbilt Parkway, Central Islip. Owner: U.S. Geological Survey.
AQUIFER.--Magothy.
WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 4 in (0.10 m), depth 450 ft (137 m), screened 440 to 450 ft (134 to 137 m).
DATUM.--Land-surface datum is 123.2 ft (37.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 4.08 ft (1.24 m) above land-surface datum.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for August 1964 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.27 ft (12.88 m) NGVD, July 3, 1973; lowest measured, 34.21 ft (10.43 m) NGVD, Jan. 27, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	38.10	JAN 27	39.19	MAR 20	41.24	APR 26	40.80	JUN 26	41.52	AUG 30	41.64
NOV 28	37.50	FEB 23	41.00	APR 12	40.79 G	MAY 26	41.58	JUL 21	41.36	SEP 29	41.38
JAN 3	39.03										



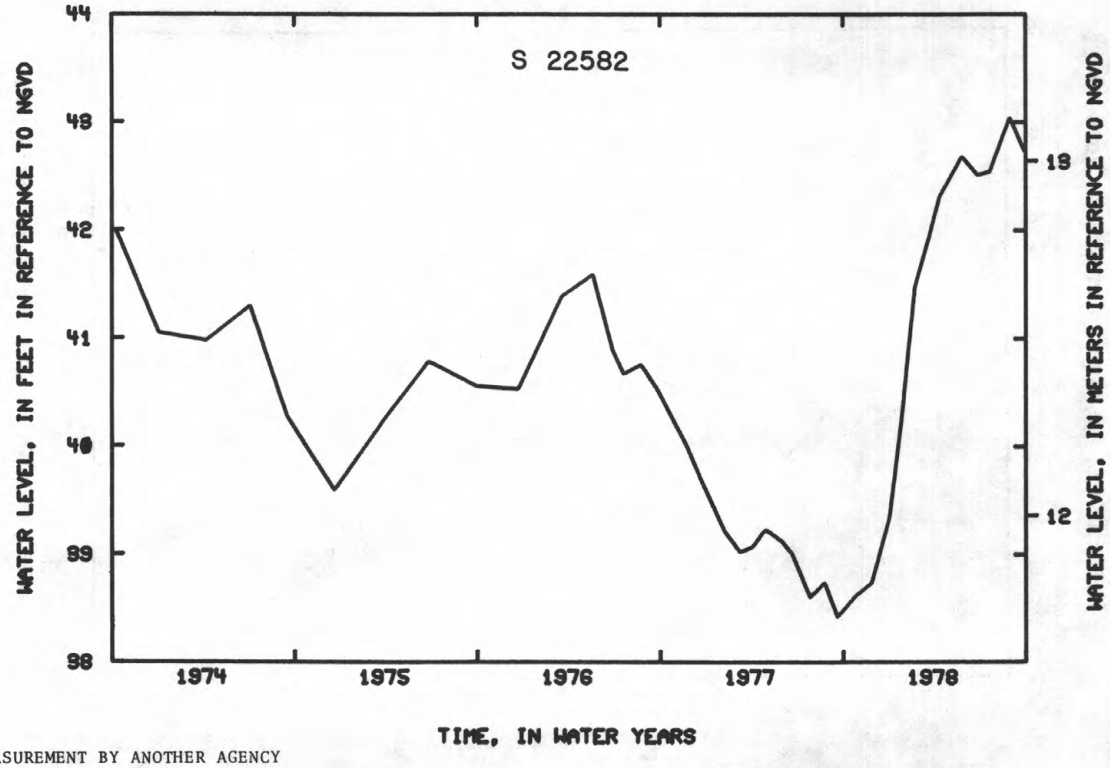
G MEASUREMENT BY ANOTHER AGENCY

SUFFOLK COUNTY--Continued

404828073114004. Local number, S 22582.
LOCATION.--Lat 40°48'28", long 73°11'40", Hydrologic Unit 02030202, at Long Island Expressway Service Road and Vanderbilt Parkway, Central Islip. Owner: U.S. Geological Survey.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2 in (0.05 m), depth 115 ft (35 m), screened 105 to 115 ft (32 to 35 m).
DATUM.--Land-surface datum is 123.7 ft (37.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.01 ft (0.92 m) above land-surface datum.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for August 1964 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 43.21 ft (13.17 m) NGVD, July 3, 1973; lowest measured, 34.74 ft (10.59 m) NGVD, Jan. 27, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	38.62	JAN 3	39.35	FEB 23	41.47	APR 12	42.31 G	JUN 26	42.51	AUG 30	43.04
NOV 28	38.74	27	40.24	MAR 20	41.92	MAY 26	42.68	JUL 21	42.54	SEP 29	42.73

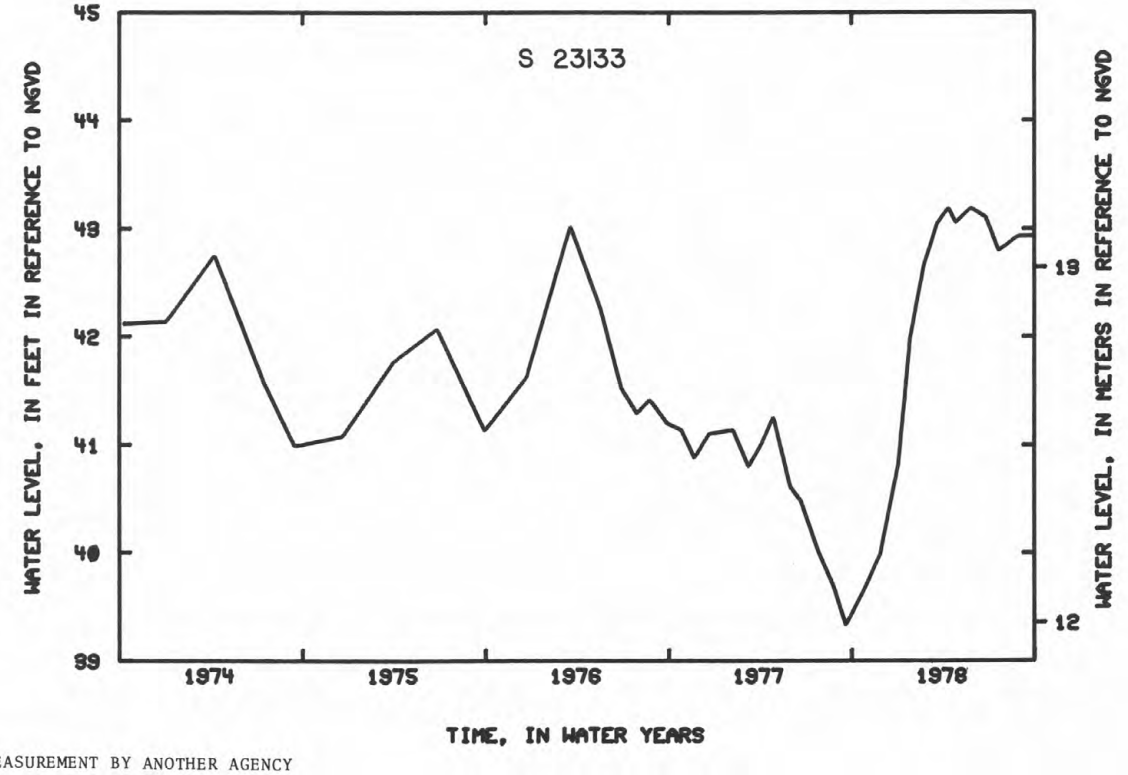


G MEASUREMENT BY ANOTHER AGENCY

404902073094004. Local number, S 23133.
LOCATION.--Lat 40°49'02", long 73°09'40", Hydrologic Unit 02030202, at Vanderbilt Parkway, near Nicoll Road, Hauppauge. Owner: U.S. Geological Survey.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Driven observation water-table well, diameter 2 in (0.05 m), depth 29 ft (9 m), screened 26 to 29 ft (8 to 9 m).
DATUM.--Land-surface datum is 60.3 ft (18.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.59 ft (0.18 m) above land-surface datum.
REMARKS.--Water-quality records for 1964 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for August 1964 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 43.65 ft (13.30 m) NGVD, Apr. 30, 1973; lowest measured, 35.66 ft (10.87 m) NGVD, Nov. 30, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	39.66	JAN 27	41.99	MAR 20	43.05	APR 26	43.05	JUN 26	43.10	AUG 30	42.93
NOV 28	39.99	FEB 23	42.65	APR 12	43.19 G	MAY 26	43.19	JUL 21	42.79	SEP 29	42.93
JAN 3	40.82										



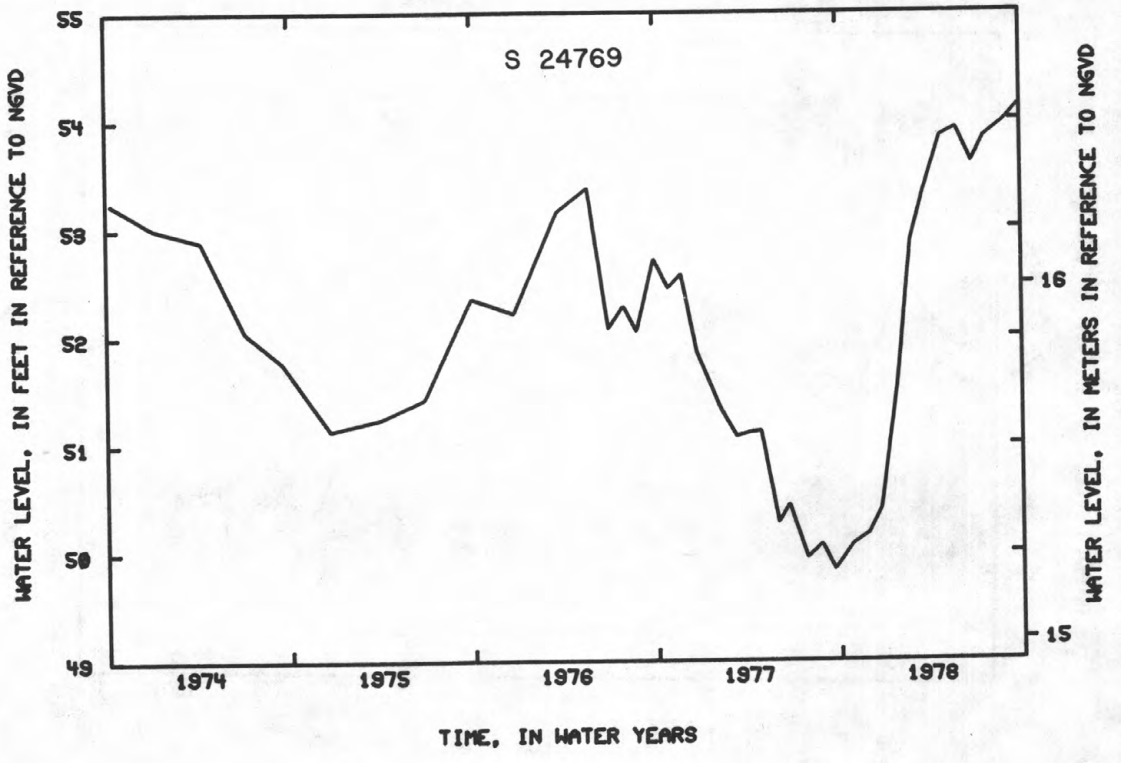
G MEASUREMENT BY ANOTHER AGENCY

SUFFOLK COUNTY--Continued

404819073160301. Local number, S 24769.
LOCATION.--Lat 40°48'19", long 73°16'03", Hydrologic Unit 02030202, at Vanderbilt Parkway and Wicks Road, Brentwood.
Owner: U.S. Geological Survey.
AQUIFER.--Magothy.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in (0.10 m), depth 810 ft (247 m), screened 800 to 810 ft (244 to 247 m).
DATUM.--Land-surface datum is 139.0 ft (42.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.98 ft (0.60 m) above land-surface datum.
REMARKS.--Water-quality records for 1965 and 1972 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for August 1965 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 54.13 ft (16.50 m) NGVD, Sept. 29, 1978; lowest measured, 45.31 ft (13.81 m) NGVD, Mar. 7, 1966.

WATER LEVEL IN FEET IN REFERENCE TO NGVD WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	50.08	DEC 23	50.41	FEB 24	52.87	APR 25	53.85	JUN 26	53.60	AUG 30	53.98
NOV 28	50.18	JAN 27	51.57	MAR 20	53.33	MAY 26	53.92	JUL 21	53.84	SEP 29	54.13

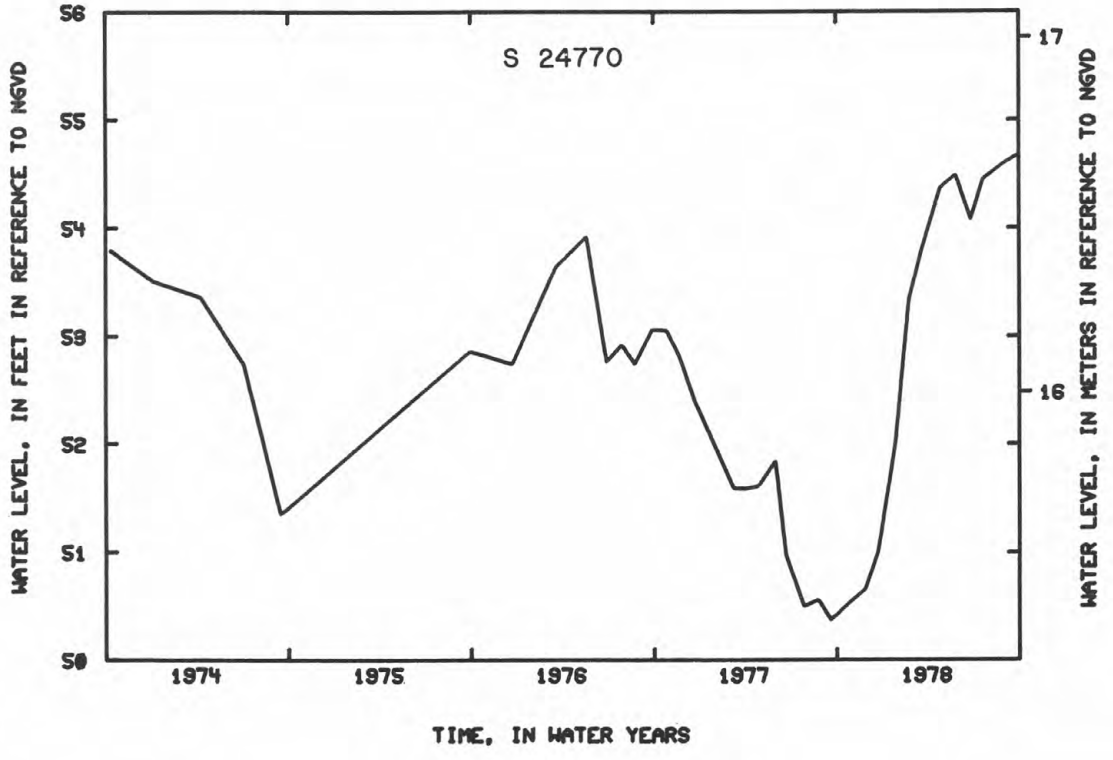


SUFFOLK COUNTY--Continued

404819073160304. Local number, S 24770.
LOCATION.--Lat 40°48'19", long 73°16'03", Hydrologic Unit 02030202, at Vanderbilt Parkway and Wicks Road, Brentwood.
Owner: U.S. Geological Survey.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 4 in (0.10 m), depth 434 ft (132 m), screened 424 to 434 ft (129 to 132 m).
DATUM.--Land-surface datum is 139.0 ft (42.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.01 ft (0.61 m) above land-surface datum.
REMARKS.--Water-quality records for 1965 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for August 1965 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 54.67 ft (16.66 m) NGVD, Sept. 29, 1978; lowest measured, 45.66 ft (13.92 m) NGVD, Mar. 7, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	50.53	DEC 23	51.00	FEB 24	53.33	APR 26	54.37	JUN 26	54.07	AUG 30	54.59
NOV 28	50.66	JAN 27	51.99	MAR 20	53.81	MAY 26	54.49	JUL 21	54.45	SEP 29	54.67

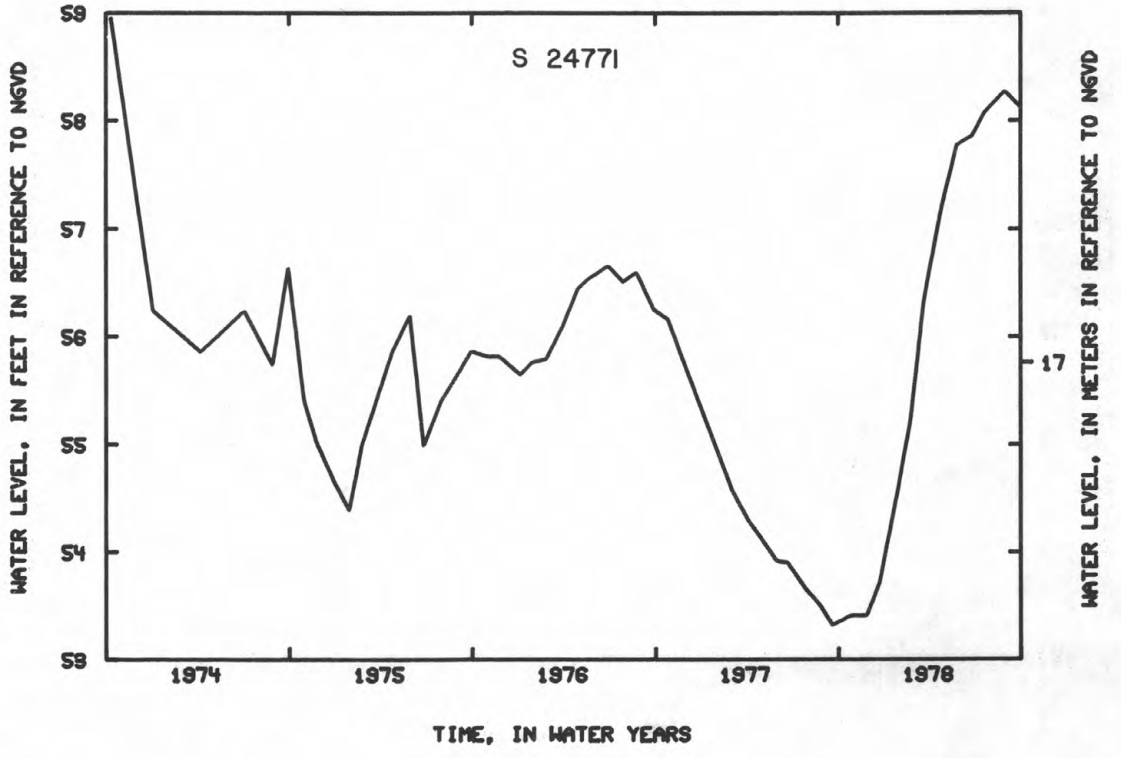


SUFFOLK COUNTY--Continued

404820073160303. Local number, S 24771.
LOCATION.--Lat 40°48'20", long 73°16'03", Hydrologic Unit 02030202, at Vanderbilt Parkway and Wicks Road, Brentwood.
Owner: U.S. Geological Survey.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 4 in (0.10 m), depth 127 ft (39 m), screened 117 to 127 ft (36 to 39 m).
DATUM.--Land-surface datum is 139.0 ft (42.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.86 ft (0.57 m) above land-surface datum.
REMARKS.--Water-quality records for 1964-65 and 1972 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--August 1965 to current year. Unpublished records for August 1965 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 58.94 ft (17.96 m) NGVD, Oct. 2, 1973; lowest measured, 43.50 ft (13.26 m) NGVD, Nov. 30, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	53.42	DEC 23	53.72	FEB 24	55.23	APR 26	57.22	JUN 26	57.86	AUG 30	58.27
NOV 28	53.42	JAN 27	54.53	MAR 20	56.33	MAY 26	57.78	JUL 21	58.08	SEP 29	58.13

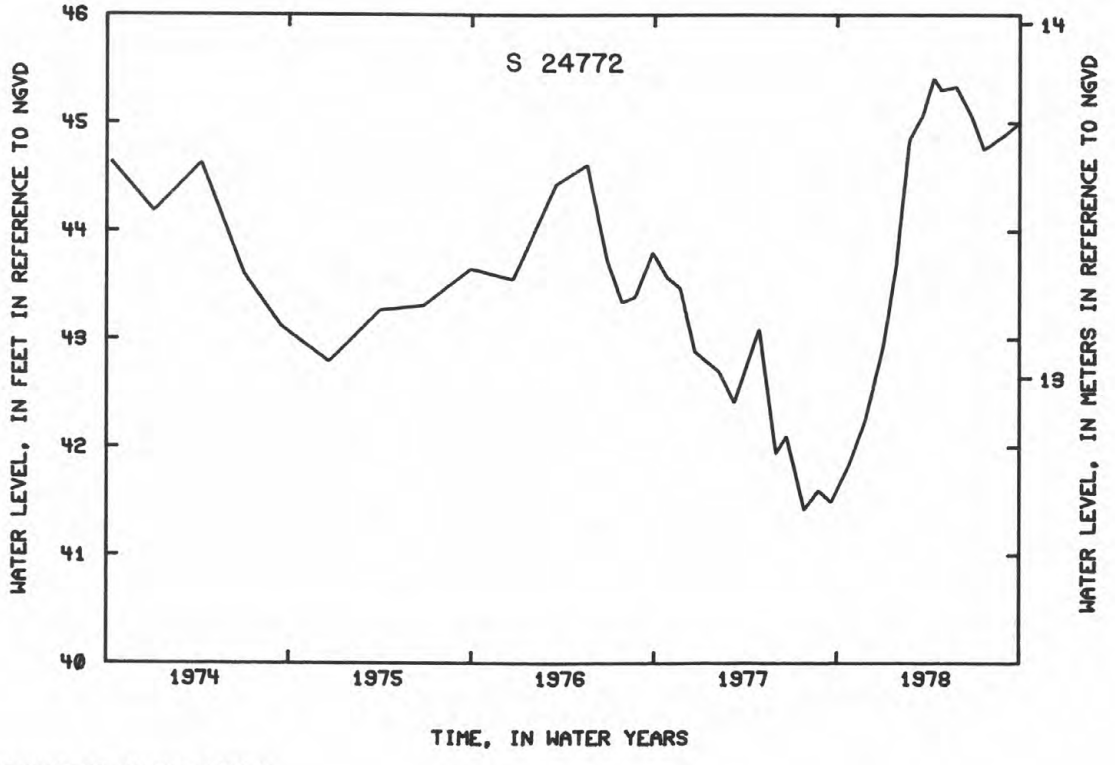


SUFFOLK COUNTY--Continued

404818073135802. Local number, S 24772.
LOCATION.--Lat 40°48'18", long 73°13'58", Hydrologic Unit 02030202, at Long Island Motor Parkway and Highland Road, Brentwood. Owner: U.S. Geological Survey.
AQUIFER.--Magothy.
WELL CHARACTERISITCS.--Drilled observation artesian well, diameter 4 in (0.10 m), depth 838 ft (255 m), screened 828 to 838 ft (252 to 255 m).
DATUM.--Land-surface datum is 117.0 ft (35.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.37 (1.03 m) above land-surface datum.
REMARKS.--Water-quality records for 1965 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for March 1966 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 45.41 ft (13.84 m) NGVD, Apr. 12, 1978; lowest measured, 38.80 ft (11.83 m) NGVD, Mar. 7, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	41.84	JAN 27	43.63	MAR 20	45.07	APR 26	45.30	JUN 26	45.06	AUG 30	44.88
NOV 28	42.25	FEB 24	44.84	APR 12	45.41 G	MAY 26	45.33	JUL 21	44.75	SEP 29	44.99
JAN 3	42.94										



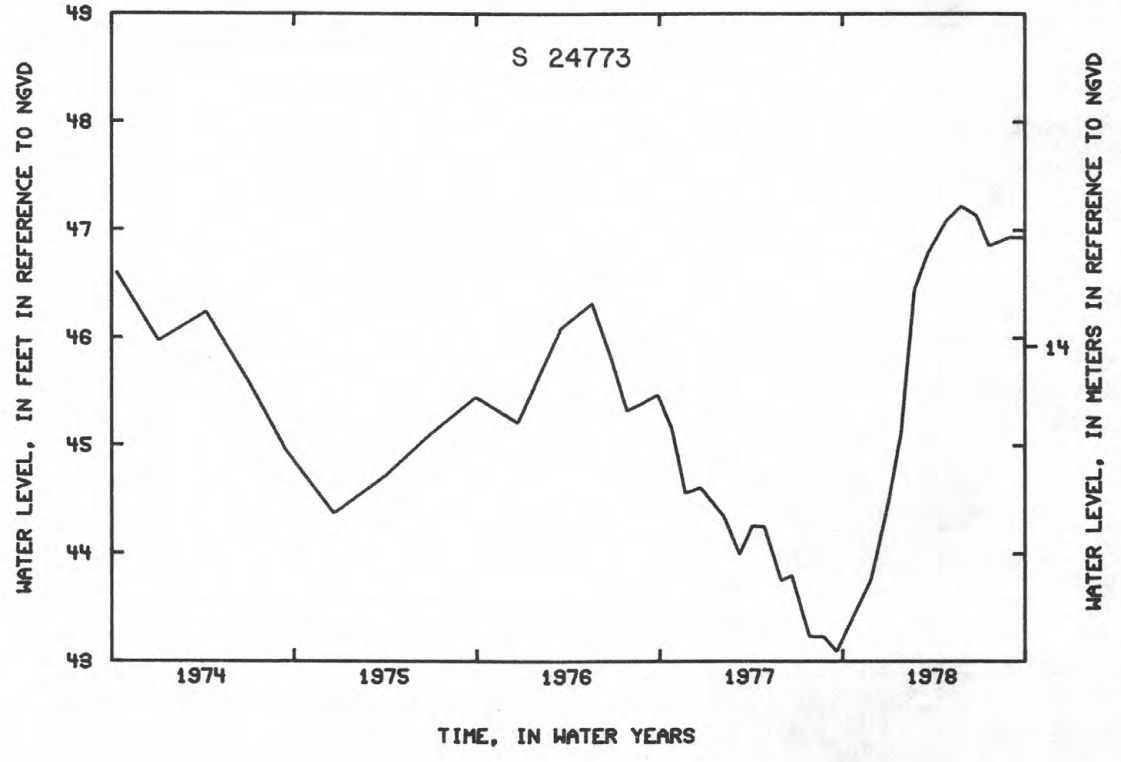
G MEASUREMENT BY ANOTHER AGENCY

SUFFOLK COUNTY--Continued

404818073135904. Local number, S 24773.
LOCATION.--Lat 40°48'18", long 73°13'59", Hydrologic Unit 02030202, at Long Island Motor Parkway and Highland Road, Brentwood. Owner: U.S. Geological Survey.
AQUIFER.--Magothy.
WELL CHARACTERISTICS.--Drilled water-table observation well, diameter 4 in (0.10 m), depth 423 ft (129 m), screened 412 to 423 ft (126 to 129 m).
DATUM.--Land-surface datum is 118.0 ft (36.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.35 ft (0.72 m) above land-surface datum.
REMARKS.--Water-quality records for 1965 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--March 1966 to current year. Unpublished records for March 1966 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 47.31 ft (14.42 m) NGVD, July 3, 1973; lowest measured, 40.05 ft (12.21 m) NGVD, Mar. 7, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	43.45	JAN 3	44.50	FEB 24	46.44	APR 26	47.08	JUN 26	47.13	AUG 30	46.93
NOV 28	43.76	27	45.09	MAR 20	46.78	MAY 26	47.22	JUL 21	46.85	SEP 29	46.93

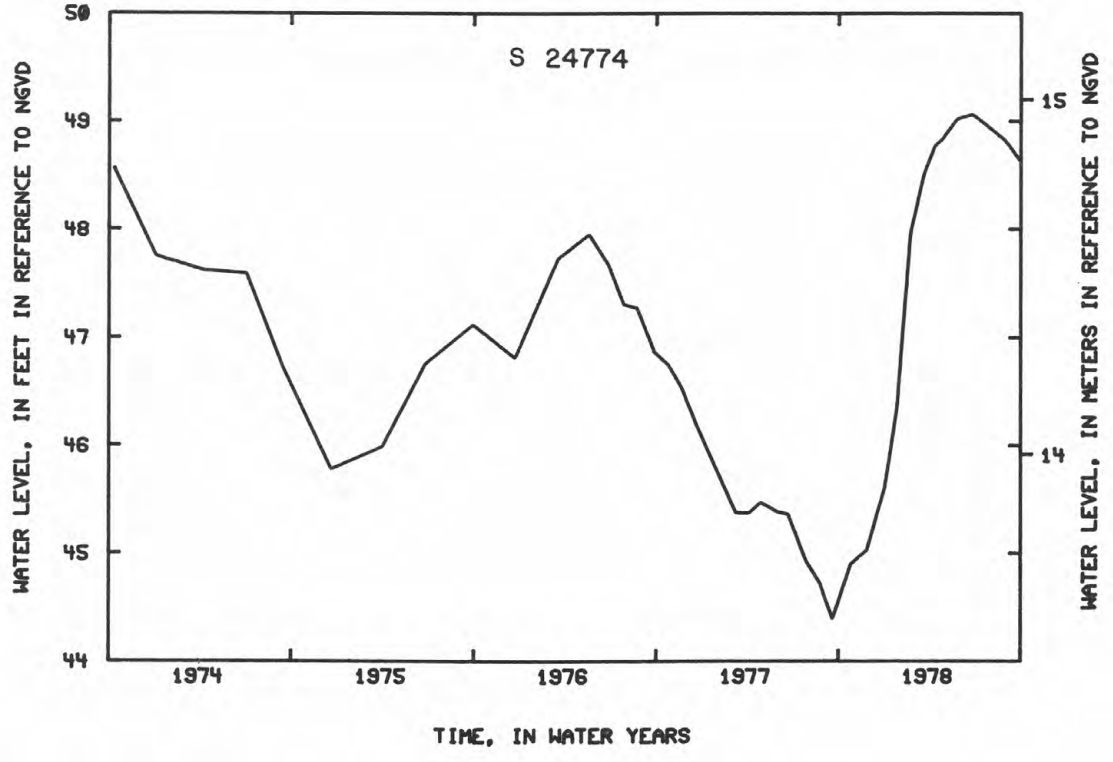


SUFFOLK COUNTY--Continued

404818073135906. Local number, S 24774.
LOCATION.--Lat 40°48'18", long 73°13'59", Hydrologic Unit 02030202, at Long Island Motor Parkway and Highland Road, Brentwood. Owner: U.S. Geological Survey.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 4 in (0.10 m), depth 110 ft (34 m), screened 100 to 110 ft (30 to 36 m).
DATUM.--Land-surface datum is 118.0 ft (36.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.32 ft (0.71 m) above land-surface datum.
REMARKS.--Water-quality records for 1965 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--March 1966 to current year. Unpublished records for March 1966 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 49.18 ft (14.99 m) NGVD, July 3, 1973; lowest measured, 41.35 ft (12.60 m) NGVD, Mar. 7, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	44.90	JAN 27	46.32	MAR 20	48.51	APR 26	48.83	JUN 26	49.06	AUG 30	48.82
NOV 28	45.03	FEB 24	47.96	APR 12	48.77 G	MAY 26	49.02	JUL 21	48.97	SEP 29	48.64
JAN 3	45.61										



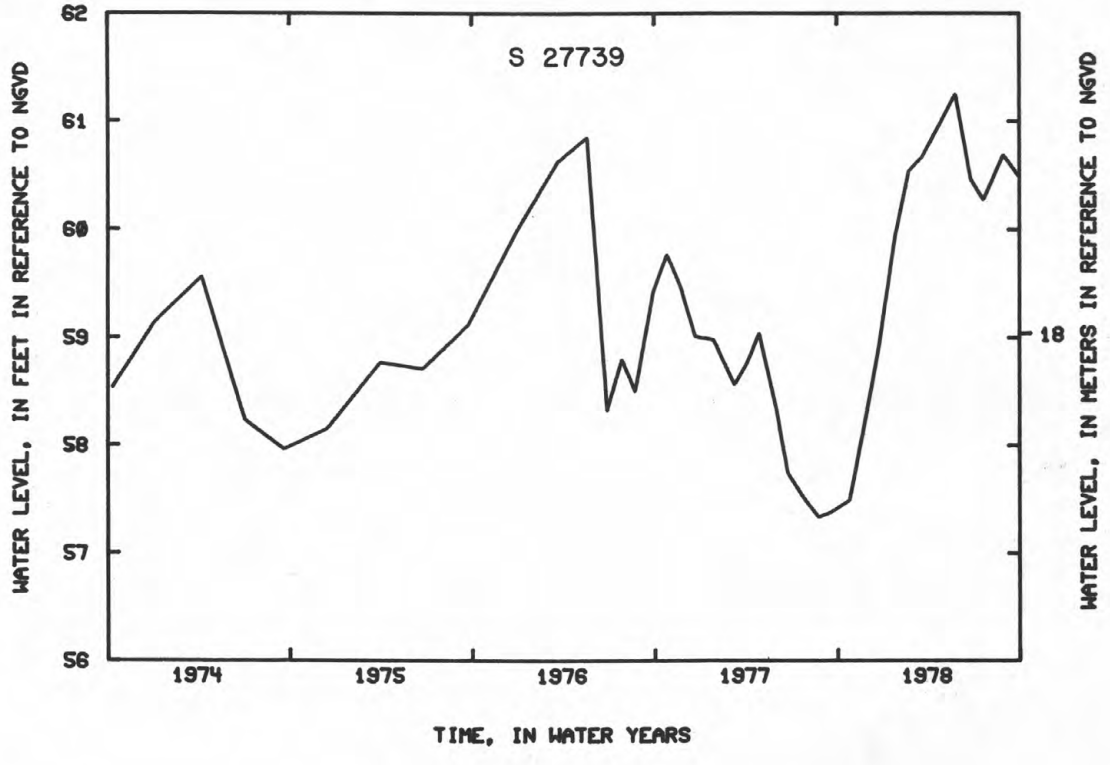
G MEASUREMENT BY ANOTHER AGENCY

SUFFOLK COUNTY--Continued

404603073214803. Local number, S 27739.
LOCATION.--Lat 40°46'03", long 73°21'48", Hydrologic Unit 02030202, at Landscape Drive, near Seamans Road, Wyandanch. Owner: U.S. Geological Survey.
AQUIFER.--Magothy.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in (0.10 m), depth 850 ft (259 m), screened 840 to 850 ft (256 to 259 m).
DATUM.--Land-surface datum is 139.0 ft (42.4 m) National geodetic vertical datum of 1929. Measuring point: Top of casing, 2.37 ft (0.72 m) above land-surface datum.
REMARKS.--Water-quality records for 1966 and 1974 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--May 1966 to current year. Unpublished records for May 1966 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 61.25 ft (18.67 m) NGVD, May 26, 1978; lowest measured, 50.85 ft (15.50 m) NGVD, Feb. 15, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	57.49	DEC 23	58.87	FEB 24	60.54	APR 26	60.98	JUN 26	60.46	AUG 30	60.69
NOV 28	58.25	JAN 27	59.94	MAR 20	60.67	MAY 26	61.25	JUL 21	60.27	SEP 29	60.50

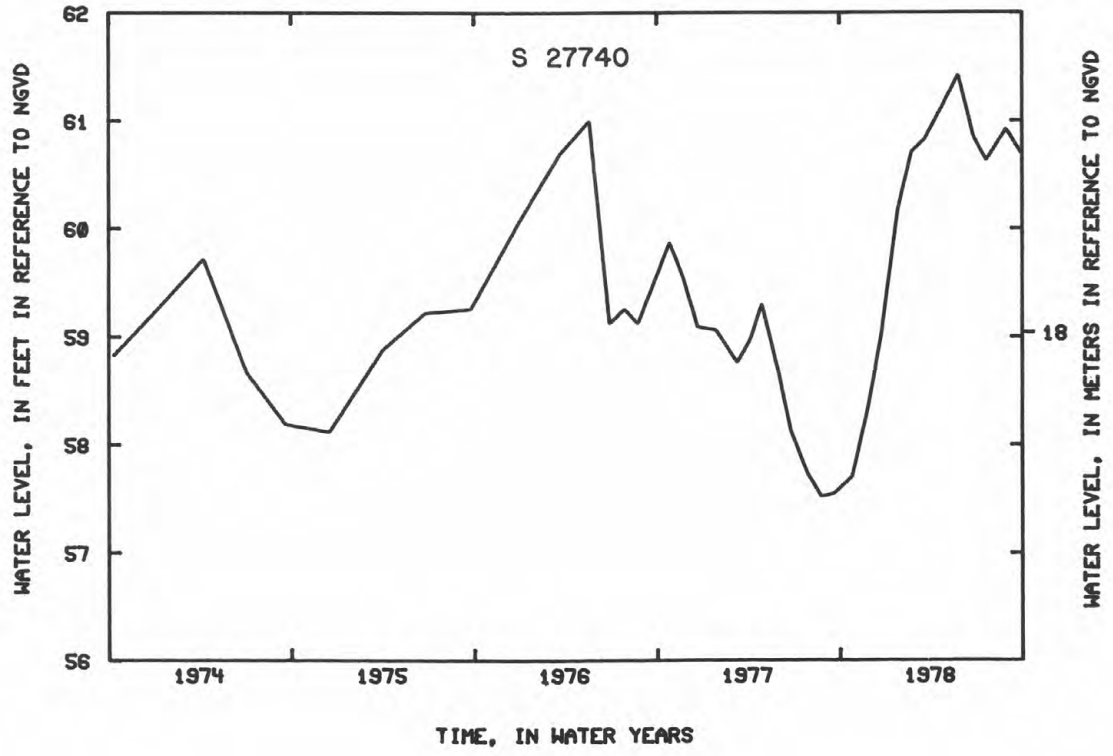


SUFFOLK COUNTY--Continued

404603073214804. Local number, S 27740.
LOCATION.--Lat 40°46'03", long 73°21'48", Hydrologic Unit 02030202, at Landscape Drive, near Seamans Road, Wyandanch.
Owner: U.S. Geological Survey.
AQUIFER.--Magothy.
WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 4 in (0.10 m), depth 429 ft (131 m), screened 419 to 429 ft (128 to 131 m).
DATUM.--Land-surface datum is 139.0 ft (42.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.85 ft (0.87 m) above land-surface datum.
REMARKS.--Water-quality records for 1966 and 1974 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for July 1966 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 61.42 ft (18.72 m) NGVD, May 26, 1978; lowest measured, 51.08 ft (15.57 m) NGVD, Feb. 15, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

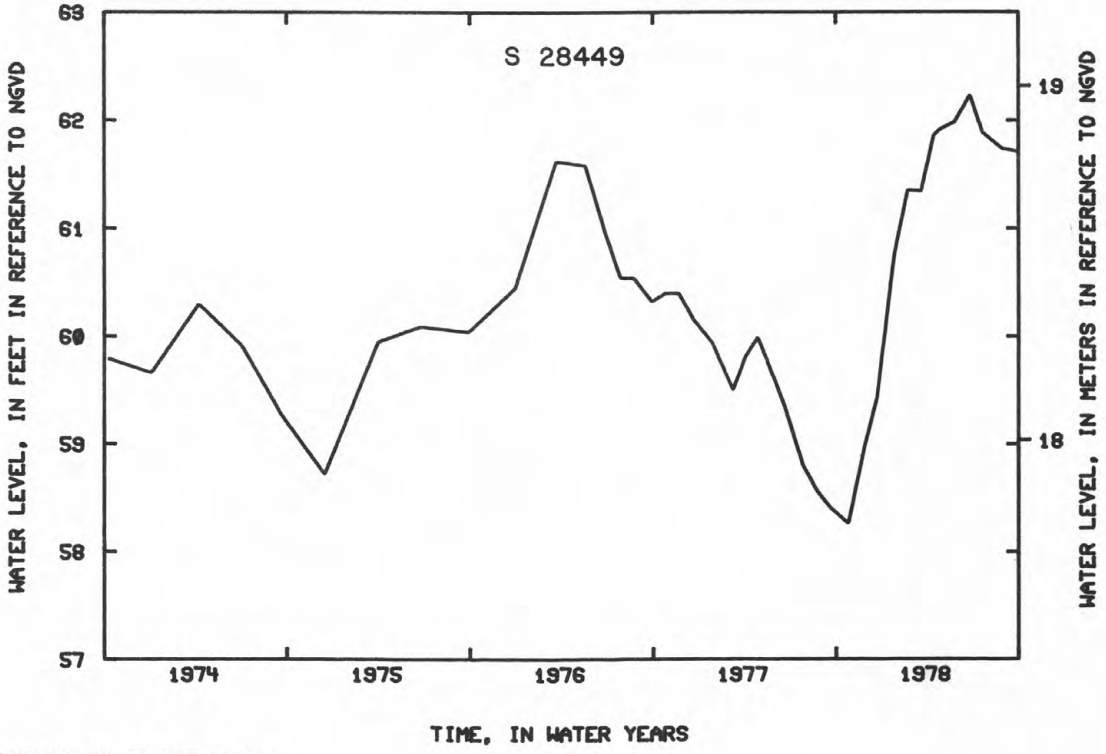
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	57.71	DEC 23	59.00	FEB 24	60.71	APR 26	61.15	JUN 26	60.84	AUG 30	60.92
NOV 28	58.36	JAN 27	60.18	MAR 20	60.83	MAY 26	61.42	JUL 21	60.63	SEP 29	60.70



404603073214804. Local number, S 28449.
LOCATION.--Lat 40°46'03", long 73°21'48", Hydrologic Unit 02030202, at Landscape Drive, near Seamans Road, Wyandanch. Owner: U.S. Geological Survey.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Driven observation water-table well, diameter 2 in (0.05 m), depth 98 ft (30 m), screened 95 to 98 ft (29 to 30 m).
DATUM.--Land-surface datum is 140.0 ft (42.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.18 ft (0.36 m) above land-surface datum.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for May 1967 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 62.23 ft (18.97 m) NGVD, June 26, 1978; lowest measured, 51.78 ft (15.78 m) NGVD, June 29, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	58.26	JAN 27	60.75	MAR 20	61.34	APR 26	61.91	JUN 26	62.23	AUG 30	61.73
NOV 28	58.97	FEB 24	61.35	APR 15	61.86 G	MAY 26	61.98	JUL 21	61.88	SEP 29	61.71
DEC 23	59.43										

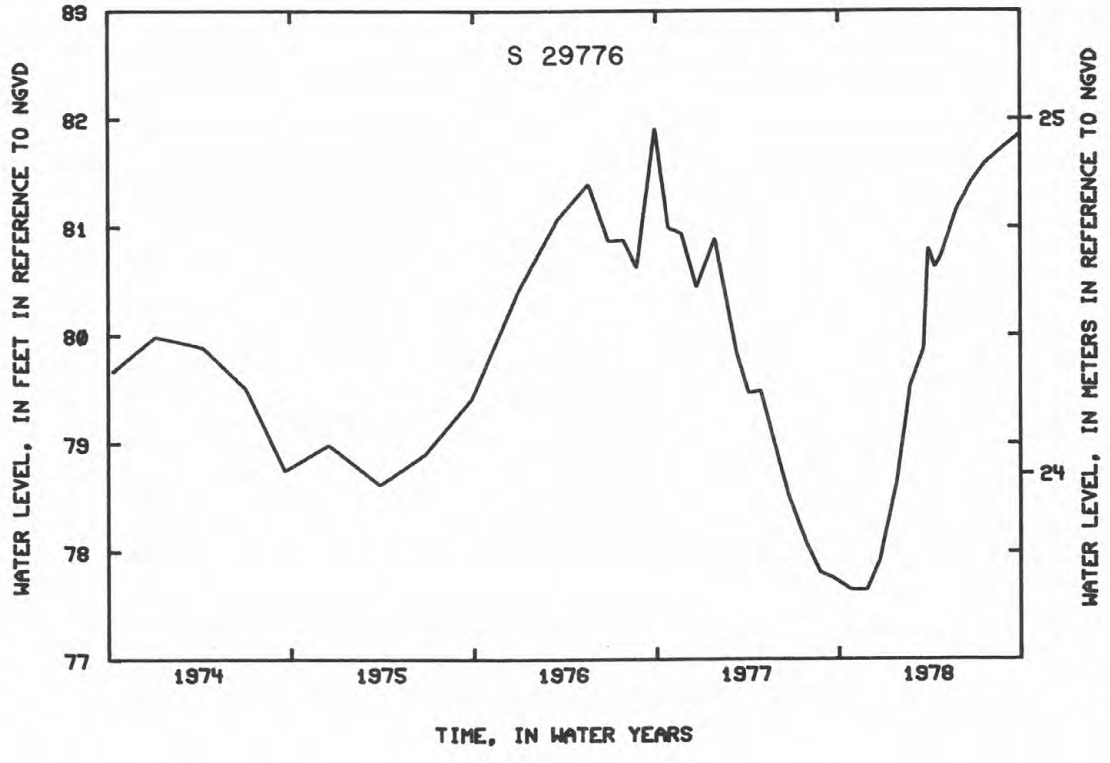


G MEASUREMENT BY ANOTHER AGENCY

404703073264201. Local number, S 29776.
LOCATION.--Lat 40°47°03", long 73°26'42", Hydrologic Unit 02030202, at Round Swamp Road, near Long Island Expressway, Melville. Owner: U.S. Geological Survey.
AQUIFER.--Magothy.
WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 4 in (0.10 m), depth 720 ft (219 m), screened 710 to 720 ft (216 to 219 m).
DATUM.--Land-surface datum is 193.0 ft (58.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.44 ft (0.74 m) above land-surface datum.
REMARKS.--Water-quality records for 1974 and 1976 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for May 1967 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 81.91 ft (24.97 m) NGVD, Sept. 30, 1976; lowest measured, 67.64 ft (20.62 m) NGVD, June 27, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	77.65	JAN 27	78.64	MAR 30	80.80 G	APR 26	80.74	JUN 26	81.42	AUG 30	81.74
NOV 28	77.65	FEB 24	79.53	APR 13	80.62 G	MAY 26	81.16	JUL 21	81.58	SEP 29	81.85
DEC 23	77.92	MAR 20	79.87								



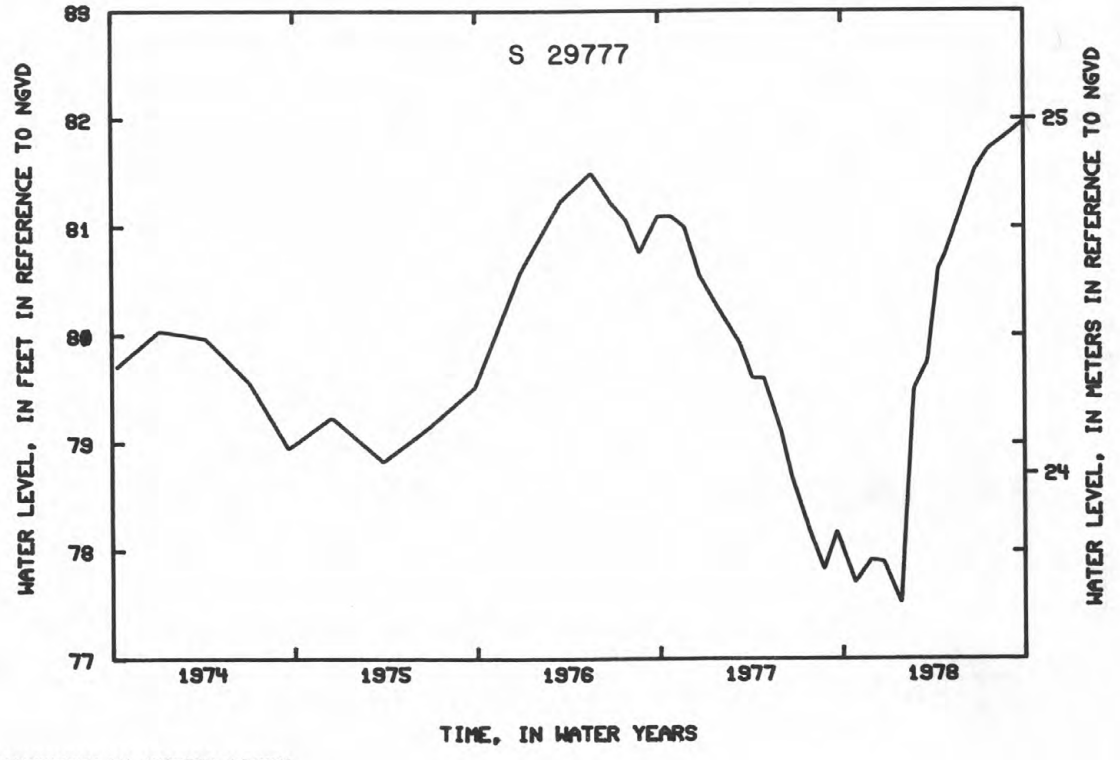
G MEASUREMENT BY ANOTHER AGENCY

SUFFOLK COUNTY--Continued

404703073264202. Local number, S 29777.
LOCATION.--Lat 40°47'03", long 73°26'42", Hydrologic Unit 02030202, at Round Swamp Road, near Long Island Expressway, Melville. Owner: U.S. Geological Survey.
AQUIFER.--Magothy.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in (0.10 m), depth 397 ft (121 m), screened 387 to 397 ft (118 to 121 m).
DATUM.--Land-surface datum is 193.0 ft (58.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.80 ft (0.55 m) above land-surface datum.
REMARKS.--Water-quality records for 1967, 1974, 1976 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for May 1967 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 81.96 ft (24.98 m) NGVD, Sept. 29, 1978; lowest measured, 67.90 ft (20.70 m) NGVD, May 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	77.71	JAN 27	77.52	MAR 20	79.75	APR 26	80.74	JUN 26	81.53	AUG 30	81.85
NOV 28	77.92	FEB 24	79.50	APR 13	80.61 G	MAY 26	81.13	JUL 21	81.71	SEP 29	81.96
DEC 23	77.90										

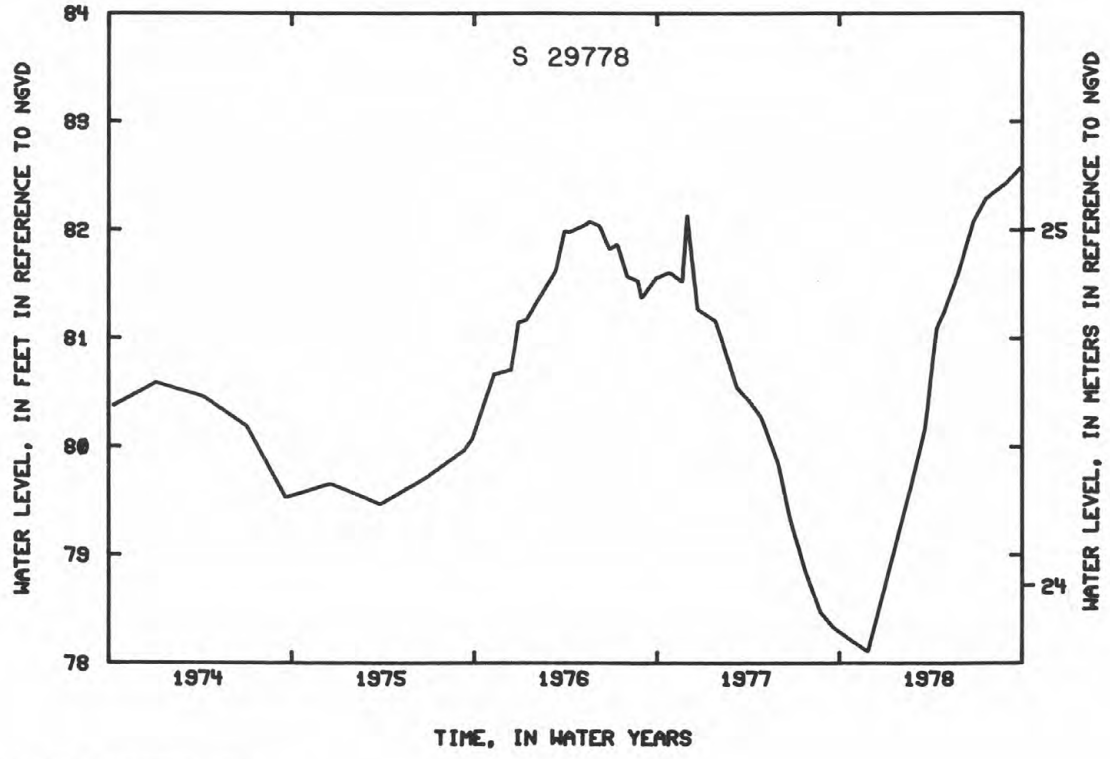


G MEASUREMENT BY ANOTHER AGENCY

404703073264205. Local number, S 29778.
LOCATION.--Lat 40°47'03", long 73°26'42", Hydrologic Unit 02030202, at Round Swamp Road, near Long Island Expressway, Melville. Owner: U.S. Geological Survey.
AQUIFER.--Magothy.
WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 4 in (0.10 m), depth 168 ft (51 m), screened 158 to 168 ft (48 to 51 m).
DATUM.--Land-surface datum is 193.0 ft (58.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.17 ft (0.66 m) above land-surface datum.
REMARKS.--Water-quality records for 1967, 1972, 1974-76, are available in files of Long Island Sub-district office; those for 1977 are published elsewhere in this report.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for May 1967 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 82.57 ft (25.17 m) NGVD, Sept. 29, 1978; lowest measured, 68.27 ft (20.81 m) NGVD, June 27, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	78.21	FEB 24	79.66	APR 13	81.09 G	MAY 26	81.60	JUL 21	82.29	SEP 29	82.57
NOV 28	78.11	MAR 20	80.17	26	81.22	JUN 26	82.08	AUG 30	82.43		



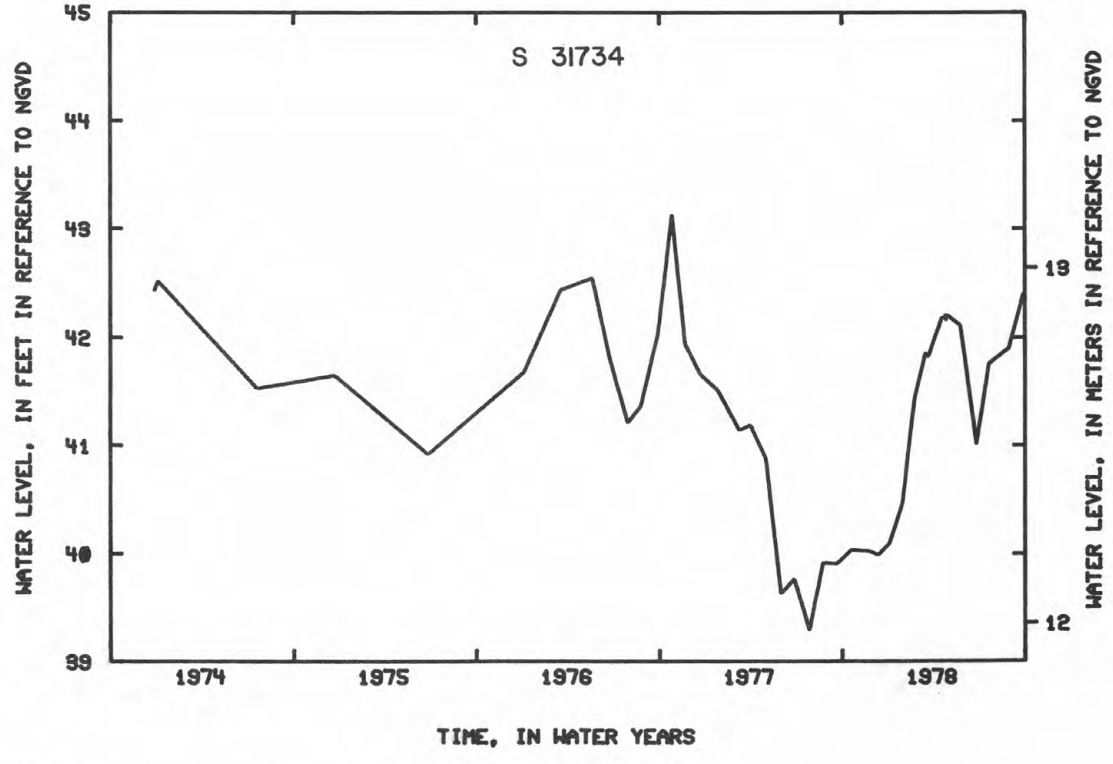
G MEASUREMENT BY ANOTHER AGENCY

SUFFOLK COUNTY--Continued

405455073025802. Local number, S 31734.
LOCATION.--Lat 40°54'55", long 73°02'58", Hydrologic Unit 02030202, at Jayne Boulevard, 0.7 mi (1.1 km) south of State Highway 347, Terryville. Owner: Suffolk County Water Authority.
AQUIFER.--Lloyd.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in (0.15 m), depth 1,095 ft (334 m), screened 1,069 to 1,090 ft (326 to 332 m).
DATUM.--Land-surface datum is 165.0 ft (50.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.25 in (0.03 m) hole in reducer 1.74 ft (0.53 m) above land-surface datum.
REMARKS.--Water-quality records for 1972 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for December 1970 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 43.13 ft (13.15 m) NGVD, Oct. 26, 1976; lowest measured, 37.41 ft (11.40 m) NGVD, Mar. 20, 1972.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	40.04	JAN 4	40.10	MAR 16	41.86 G	APR 27	42.16	JUN 26	41.01	AUG 30	41.90
NOV 28	40.02	30	40.47	21	41.82	28	42.21	JUL 21	41.76	SEP 29	42.40
DEC 12	39.99 G	FEB 24	41.43	APR 21	42.22	MAY 25	42.11				



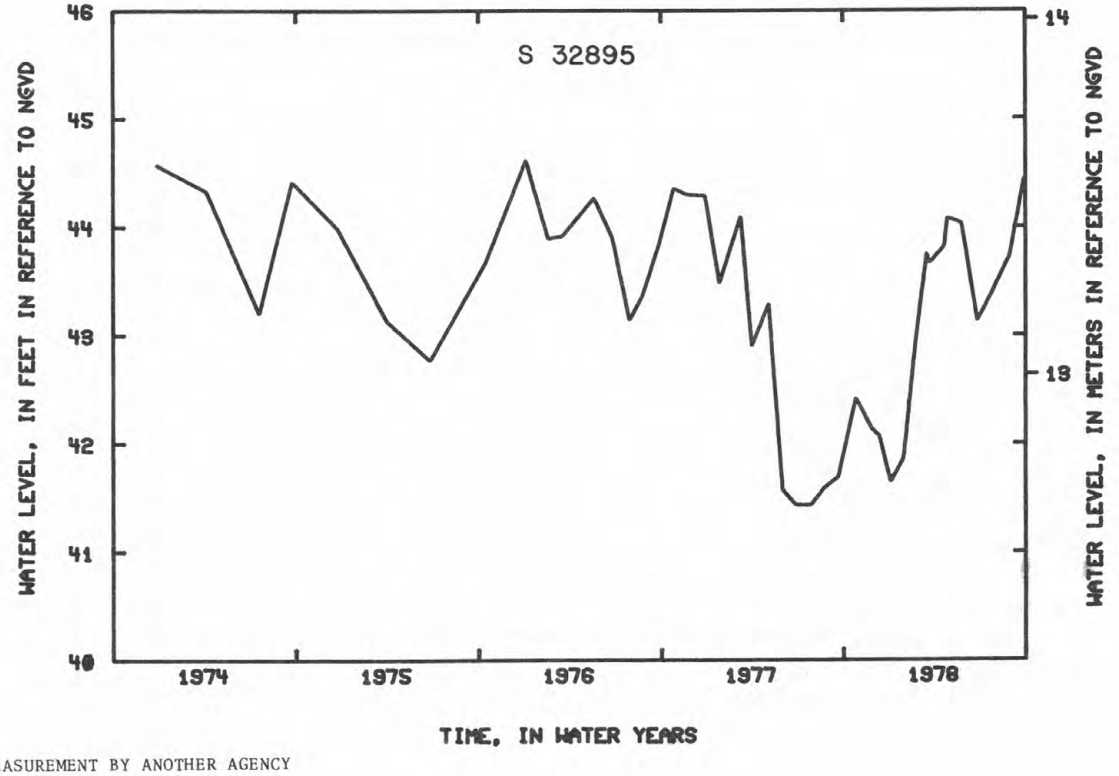
G MEASUREMENT BY ANOTHER AGENCY

SUFFOLK COUNTY--Continued

405452073025702. Local number, S 32895.
LOCATION.--Lat 40°54'52", long 73°02'57", Hydrologic Unit 02030202, at Jayne Boulevard, 0.7 mi (1.1 km) south of State Highway 347, Terryville. Owner: Suffolk County Water Authority.
AQUIFER.--Magothy.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in (0.10 m), depth 845 ft (258 m), screened 840 to 845 ft (256 to 258 m).
DATUM.--Land-surface datum is 165.0 ft (50.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 1.92 ft (0.58 m) above land-surface datum.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for March 1970 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 44.62 ft (13.60 m) NGVD, Jan. 5, 1976; lowest measured, 38.88 ft (11.85 m) NGVD, July 26, 1971.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	42.42	JAN 4	41.64	MAR 16	43.75 G	APR 27	44.08	JUN 26	43.13	AUG 30	43.73
NOV 29	42.13	30	41.86	21	43.66	MAY 25	44.03	JUL 21	43.35	SEP 29	44.44
DEC 12	42.07 G	FEB 24	42.92	APR 21	43.82						

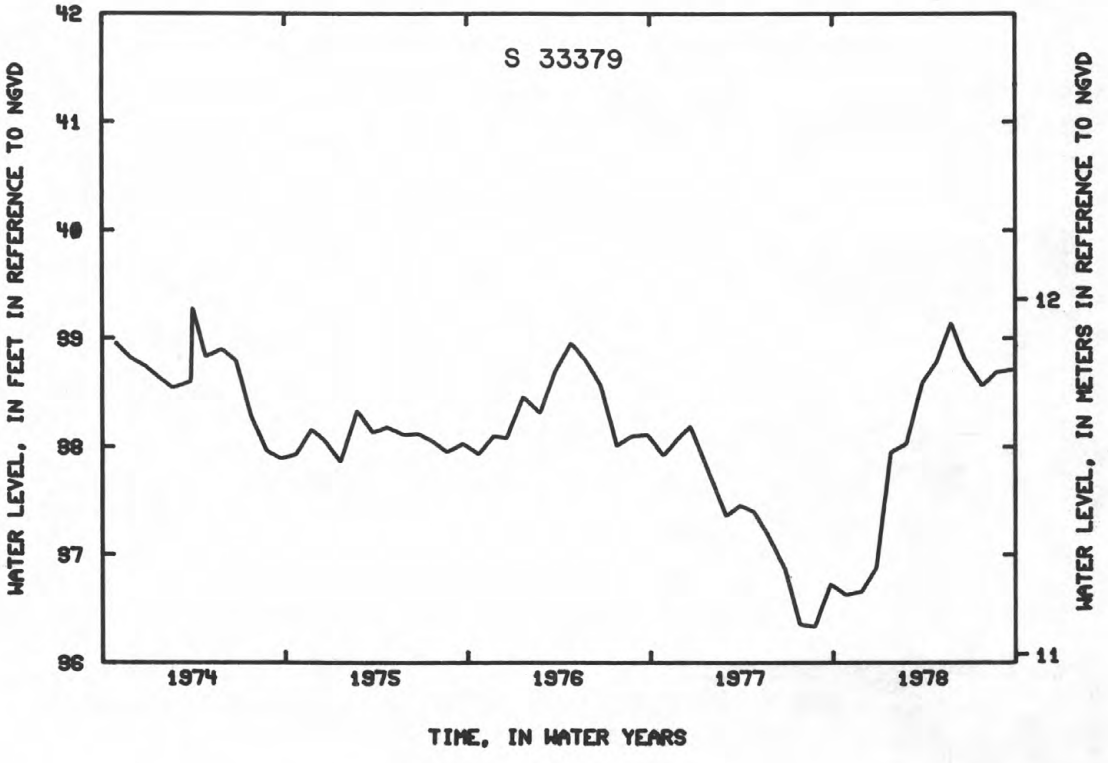


G MEASUREMENT BY ANOTHER AGENCY

404932073055901. Local number, S 33379.
LOCATION.--Lat 40°49'32", long 73°05'59", Hydrologic Unit 02030202, at Duncun Avenue and Portion Road, Lake Ronkonkoma. Owner: Suffolk County Water Authority.
AQUIFER.--Lloyd.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in (0.10 m), depth 1,305 ft (398 m), screened 1,290 to 1,300 ft (393 to 396 m).
DATUM.--Land-surface datum is 134.0 ft (40.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.34 ft (0.71 m) above land-surface datum.
REMARKS.--Water-quality records for 1968 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for October 1968 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.28 ft (11.97 m) NGVD, Mar. 31, 1974; lowest measured, 34.13 ft (10.40 m) NGVD, Oct. 11, 1968.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	36.63	DEC 27	36.88	FEB 27	38.03	APR 26	38.78	JUN 21	38.81	AUG 25	38.69
NOV 28	36.66	JAN 26	37.95	MAR 28	38.59	MAY 25	39.14	JUL 26	38.56	SEP 27	38.71

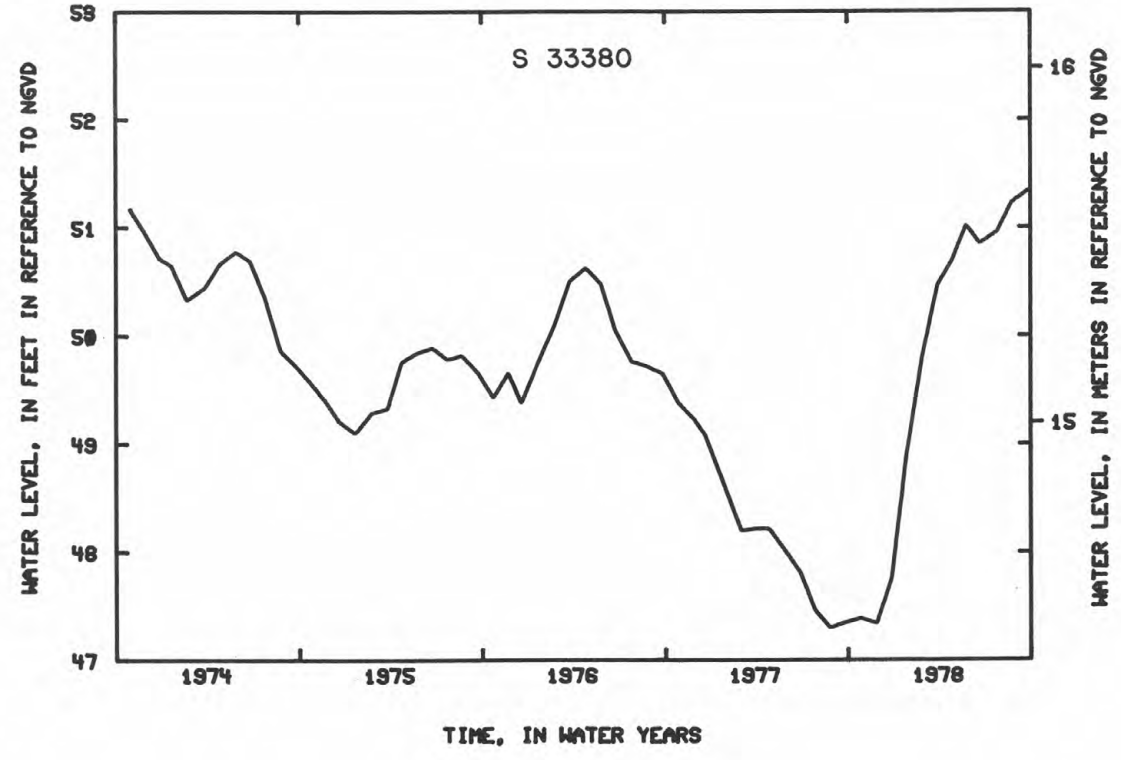


SUFFOLK COUNTY--Continued

404932073055902. Local number, S 33380.
LOCATION.--Lat 40°49'32", long 73°05'59", Hydrologic Unit 02030202, at Duncun Avenue and Portion Road, Lake Ronkonkoma. Owner: Suffolk County Water Authority.
AQUIFER.--Magothy.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in (0.10 m), depth 850 ft (259 m), screened 840 to 850 ft (256 to 259 m).
DATUM.--Land-surface datum is 133.5 ft (40.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.13 ft (0.65 m) above land-surface datum.
REMARKS.--Water-quality records for 1968 and 1976 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for October 1968 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 51.90 ft (15.82 m) NGVD, July 26, 1973; lowest measured, 45.16 ft (13.76 m) NGVD, Dec. 5, 1969.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

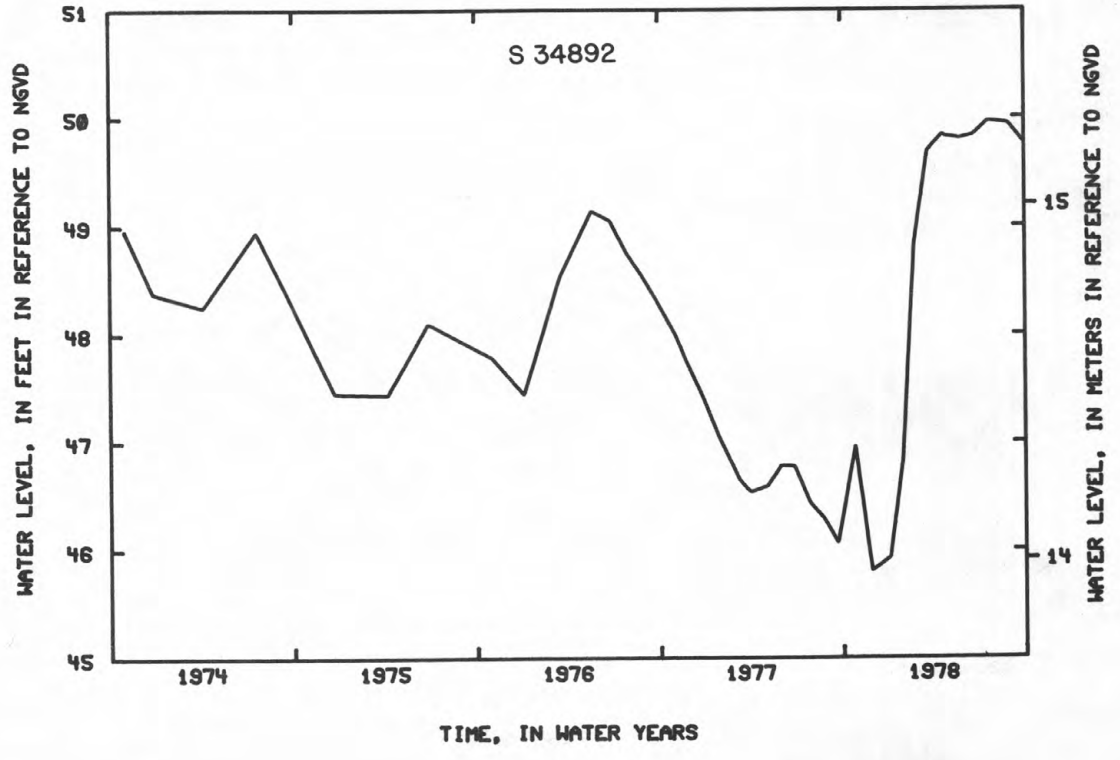
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	47.39	DEC 27	47.75	FEB 27	49.78	APR 26	50.69	JUN 21	50.85	AUG 25	51.23
NOV 28	47.34	JAN 26	48.88	MAR 28	50.47	MAY 25	51.02	JUL 26	50.96	SEP 27	51.34



405517072574902. Local number, S 34892.
LOCATION.--Lat 40°55'17", long 72°57'49", Hydrologic Unit 02030202, at Radio Avenue, 1.3 mi (2.1 km) south of State Highway 25A, Rocky Point. Owner: Suffolk County Water Authority.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 6 in (0.15 m), depth 138 ft (42 m), screened 124 to 138 ft (38 to 42 m).
DATUM.--Land-surface datum is 122.5 ft (37.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.68 ft (0.21 m) above land-surface datum.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for July 1970 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 49.96 ft (15.23 m) NGVD, July 21, 1978; lowest measured, 42.17 ft (12.85 m) NGVD, Mar. 21, 1972.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	46.96	JAN 30	46.83	MAR 21	49.69	APR 27	49.82	JUN 21	49.83	AUG 30	49.94
NOV 28	45.80	FEB 24	48.83	APR 21	49.84	MAY 25	49.80	JUL 21	49.96	SEP 29	49.77
JAN 4	45.93										

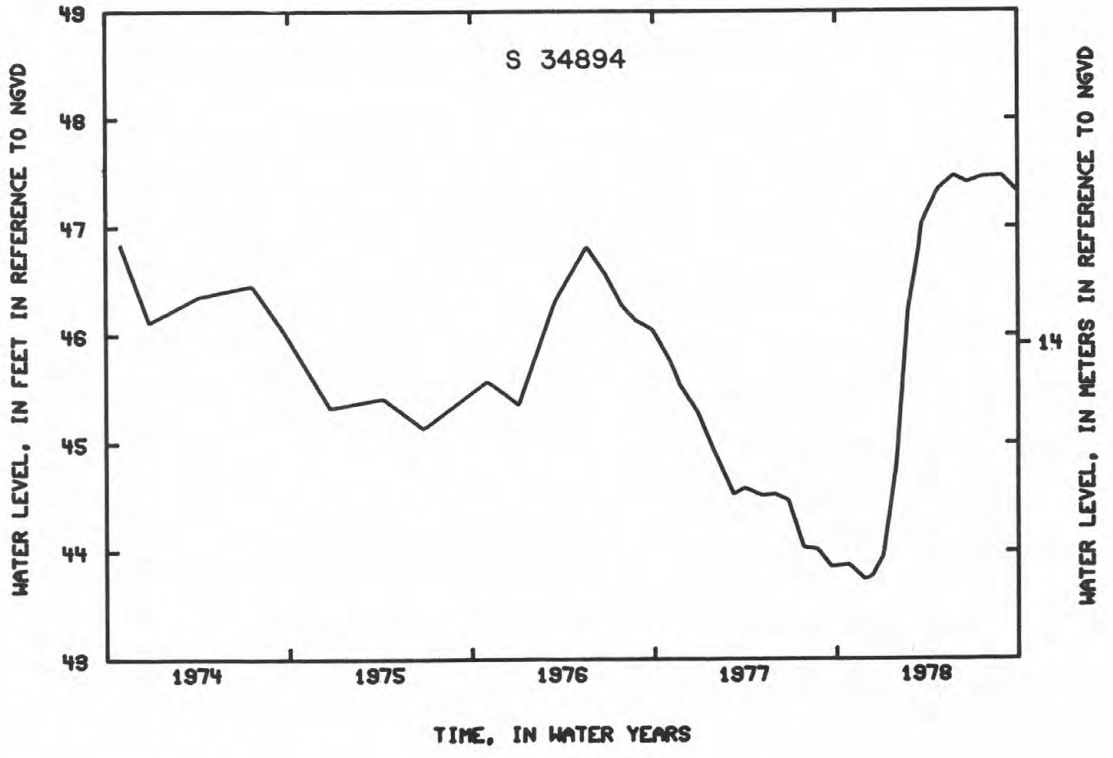


SUFFOLK COUNTY--Continued

405517072574903. Local number, S 34894.
LOCATION.--Lat 40°55'17", long 72°57'49", Hydrologic Unit 02030202, at Radio Avenue, 1.3 mi (2.1 km) south of State Highway 25A, Rocky Point. Owner: Suffolk County Water Authority.
AQUIFER.--Magothy.
WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 12 in (0.30 m), depth 745 ft (227 m), screened 698 to 745 ft (213 to 227 m).
DATUM.--Land-surface datum is 124.0 ft (37.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in (0.05 m) nipple, 3.82 ft (1.16 m) above land-surface datum.
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for March 1970 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 47.47 ft (14.47 m) NGVD, May 25, Aug. 30, 1978; lowest measured, 40.56 ft (12.36 m) NGVD, Mar. 15, 1972.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	43.88	JAN 4	43.96	MAR 16	46.81 G	APR 27	47.36	JUN 21	47.41	AUG 30	47.47
NOV 28	43.74	30	44.78	21	47.03	MAY 25	47.47	JUL 21	47.46	SEP 29	47.33
DEC 12	43.77 G	FEB 24	46.22	APR 21	47.32						



G MEASUREMENT BY ANOTHER AGENCY

SUFFOLK COUNTY--Continued

404640073050201. Local number, S 36144.
LOCATION.--Lat 40°46'40", long 73°05'02", Hydrologic Unit 02030202, at Lincoln Avenue, Bohemia.
Owner: Town of Islip.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2 in (0.05 m), depth 52.5 ft (16.0 m), screen assumed at bottom.
DATUM.--Land-surface datum is 54.0 ft (16.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.84 ft (0.56 m) above land-surface datum.
PERIOD OF RECORD.--November 1970 to current year. Unpublished records for November 1970 to September 1977 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 38.14 ft (11.63 m) NGVD, July 9, 1973; lowest measured, 33.07 ft (10.08 m) NGVD, Dec. 16, 1971.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 30	35.26	MAR 30	37.61	JUN 19	38.04						

404707073023302. Local number, S 36145-2.
LOCATION.--Lat 40°47'07", long 73°02'33", Hydrologic Unit 02030202, at Patchogue-Holbrook Road and Waverly Avenue, near Islip-Brookhaven Town line, Holbrook. Owner: Suffolk County Department of Environmental Control.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2 in (0.05 m), depth 43 ft (13 m), screened 30 to 43 ft (9 to 13 m).
DATUM.--Land-surface datum is 44.6 ft (13.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.30 ft (0.09 m) below land-surface datum.
REMARKS.--Water-quality records for 1972 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--October 1976 to current year. Unpublished records for 1970-76 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 33.69 ft (10.27 m) NGVD, June 24, 1975; lowest measured, 30.14 ft (9.19 m) NGVD, Dec. 20, 1971.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	30.70	DEC 30	31.68	MAR 23	32.93	APR 19	32.60	JUN 21	32.94		

405551072501601. Local number, S 36146.
LOCATION.--Lat 40°55'51", long 72°50'16", Hydrologic Unit 02030202, at Wading River Road, Wading River.
Owner: Suffolk County Department of Public Works.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2 in (0.05 m), depth 86.6 ft (26.4 m), screen assumed at bottom.
DATUM.--Land-surface datum is 100.0 ft (30.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.51 ft (0.76 m) above land-surface datum.
PERIOD OF RECORD.--October 1970 to current year. Unpublished records for October 1970 to September 1977 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 38.04 ft (11.59 m) NGVD, Apr. 21, 1978; lowest measured, 32.24 ft (9.83 m) NGVD, Oct. 29, 1969.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 7	34.03	OCT 26	34.16	JAN 4	34.61	MAR 28	37.91	APR 21	38.04	JUN 23	37.90

410524072194201. Local number, S 38463.
LOCATION.--Lat 41°05'24", long 72°19'42", Hydrologic Unit 02030202, at Cobbets Lane, east of Manhanset Road, Shelter Island. Owner: Mr. Hines.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Drilled domestic water-table well, 4 in (0.10 m), depth 56 ft (17 m), screen assumed at bottom.
DATUM.--Land-surface datum is 59.9 ft (18.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, in well pit 5.45 ft (1.66 m) below land-surface datum.
PERIOD OF RECORD.--October 1976 to current year. Unpublished records for 1971-76 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.54 ft (1.08 m) NGVD, July 10, 1972; lowest measured, -1.89 ft (0.58 m) NGVD, June 25, 1971.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 12	2.12										

405153073241101. Local number, S 40841.
LOCATION.--Lat 40°51'53", long 73°24'11", Hydrologic Unit 02030201, Park Avenue and Dunlop Road, Huntington. Owner: Suffolk County Department of Public Works.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Drilled observation water-table well, 2 in (0.05 m), depth 65.8 ft (20.1 m), screen assumed at bottom.
DATUM.--Land-surface datum is 108.0 ft (32.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.30 ft (0.09 m) below land-surface datum.
PERIOD OF RECORD.--August 1971 to current year. Unpublished records for October 1971 to September 1977 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 67.00 ft (20.42 m) NGVD, June 19, 1978; lowest measured 62.42 ft (19.03 m) NGVD, Mar. 27, 1972.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 27	64.10	MAR 28	65.55	JUN 19	67.00						

405323073021201. Local number, S 41050.
LOCATION.--Lat 40°53'23", long 73°02'12", Hydrologic Unit 02030202, at Dare Road, 190 ft (58 m) south of Pine Street, North Selden. Owner: Suffolk County Water Authority.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 8 in (0.20 m), depth 71 ft (22 m), screen 67 to 69 ft (20 to 21 m), sump bottom below screen.
DATUM.--Land-surface datum is 89.4 ft (27.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in (0.05 m) reducer plug, 0.78 ft (0.24 m) above land-surface datum.
REMARKS.--Water-Quality records for 1978 are published elsewhere in this report.
PERIOD OF RECORD.--October 1976 to current year. Unpublished records for February 1972 to September 1976 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 71.77 ft (21.88 m) NGVD, June 21, 1978; lowest measured, 60.29 ft (18.38 m) NGVD, July 11, 1972.

WATER LEVEL, IN FEET ABOVE MEAN SEA LEVEL, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 13	67.28	OCT 25	67.13	DEC 30	68.57	MAR 30	71.21	APR 19	71.28	JUN 21	71.77

405222073021301. Local number, S 46531.
LOCATION.--Lat 40°52'22", long 73°02'13", Hydrologic Unit 02030202, at Tuckahoe Road, 189 ft (58 m) north of Route 27, Southampton. Owner: Town of Southampton.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2 in (0.05 m), depth 42 ft (13 m), screen assumed at bottom.
DATUM.--Land-surface datum is 36.4 ft (11.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.13 ft (0.04 m) below land-surface datum.
PERIOD OF RECORD.--October 1976 to current year. Unpublished records for November 1972 to September 1976 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.01 ft (1.83 m) NGVD, May 8, 1973; lowest measured, 3.88 ft (1.18 m) NGVD, Dec. 27, 1974.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 5	4.37	JAN 10	5.02	MAR 30	5.59	JUN 30	4.96				

405231072341901. Local number, S 46534.
LOCATION.--Lat 40°52'31", long 72°34'19", Hydrologic Unit 02030202, at Route 27, 2.5 miles (4.0 km) east of Route 113, and 2.25 miles (3.62 km) west of Hampton Bays, South Flanders. Owner: New York State Department of Transportation.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2 in (0.05 m), depth 84 ft (26 m), screened 81 to 84 ft (25 to 26 m).
DATUM.--Land-surface datum is 82.0 ft (25.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.70 ft (0.52 m) above land-surface datum.
PERIOD OF RECORD.--October 1976 to current year. Unpublished records for January 1973 to September 1976 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.34 ft (4.37 m) NGVD, Mar. 28, 1978; lowest measured, 10.84 ft (3.30 m) NGVD, Dec. 27, 1974.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 5	11.53	JAN 5	12.33	MAR 28	14.34	JUN 30	13.86				

405130072353101. Local number, S 46537.
LOCATION.--Lat 40°51'30", long 72°35'31", Hydrologic Unit 02030202, at Spinney Road, 0.6 mi (1.0 km) south of Hampton Bays Road, East Quogue. Owner: Town of Southampton.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2 in (0.05 m), depth 50 ft (15 m), screen assumed at bottom.
DATUM.--Land-surface datum is 56.20 ft (17.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.21 ft (0.06 m) below land-surface datum.
PERIOD OF RECORD.--October 1976 to current year. Unpublished records for December 1972 to September 1976 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.61 ft (4.76 m) NGVD, Mar. 30, 1978; lowest measured, 11.79 ft (3.59 m) NGVD, Dec. 27, 1974.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 5	12.39	JAN 5	13.01	MAR 30	15.61	JUN 30	14.54				

405021072355801. Local number, S 46540.
LOCATION.--Lat 40°50'21", long 72°35'58", Hydrologic Unit 020302 , at intersection of Railroad and Midhampton Avenues, Quogue. Owner: Town of Southampton.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2 in (0.05 m), depth 41 ft (12 m), screen assumed at bottom.
DATUM.--Land-surface datum is 38 ft (12 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.24 ft (0.08 m) below land-surface datum.
PERIOD OF RECORD.--November 1972 to current year. Unpublished records for November 1972 to September 1977 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.74 ft (3.28 m) NGVD, Mar. 30, 1978; lowest measured, 6.74 ft (2.05 m) NGVD, Oct. 4, 1978.

WATER LEVEL, IN FEET ABOVE MEAN SEA LEVEL, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 5	8.40	JAN 5	9.95	MAR 30	10.74	JUN 30	10.26				

SUFFOLK COUNTY--Continued

405353072403801. Local number, S 46541.
LOCATION.--Lat 40°53'53", long 72°40'38", Hydrologic Unit 02030202, at intersection County Road 51 and County Road 63, Wildwood Lake. Owner: Suffolk County Department of Public Works.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2 in (0.05 m), depth 34 ft (10 m), screen assumed at bottom.
DATUM.--Land-surface datum is 27.0 ft (8.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.26 ft (0.08 m) above land-surface datum.
PERIOD OF RECORD.--October 1976 to current year. Unpublished records for December 1972 to September 1976 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.52 ft (5.65 m) NGVD, Mar. 30, 1978; lowest measured, 16.02 ft (4.88 m) NGVD, Nov. 28, 1977.

WATER LEVEL, IN FEET ABOVE MEAN SEA LEVEL, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 5	16.96	JAN 5	17.86	MAR 30	18.52	JUN 22	18.12				

405302072415101. Local number, S 46542.
LOCATION.--Lat 40°53'02", long 72°41'51", Hydrologic Unit 02030202, at Speonk Road and County Road 51, Riverhead. Owner: Suffolk County Department of Public Works.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2 in (0.05 m), depth 149 ft (45 m), screen assumed at bottom.
DATUM.--Land-surface datum is 163.0 ft (49.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.15 ft (0.05 m) above land-surface datum.
PERIOD OF RECORD.--October 1976 to current year. Unpublished records for December 1972 to September 1976 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.69 ft (9.05 m) NGVD, June 22, 1978; lowest measured, 25.93 ft (7.90 m) mean sea level, Oct. 5, 1977.

WATER LEVEL, IN FEET ABOVE MEAN SEA LEVEL, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 5	25.93	JAN 5	26.07	MAR 30	28.52	JUN 22	29.69				

405140072432501. Local number, S 46544.
LOCATION.--Lat 40°51'40", long 72°43'25", Hydrologic Unit 02030202, at County Road 51 and Service Road for Recharge Basin 34, Calverton. Owner: Suffolk County Department of Public Works.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2 in (0.05 m), depth 107 ft (33 m), screen assumed at bottom.
DATUM.--Land-surface datum is 103.0 ft (31.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.29 ft (0.09 m) below land-surface datum.
PERIOD OF RECORD.--October 1976 to current year. Unpublished records for December 1972 to September 1976 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.45 ft (9.28 m) NGVD, June 22, 1978; lowest measured, 26.91 ft (8.20 m) NGVD, Aug. 17, 1974.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 5	27.32	JAN 5	27.41	MAR 30	30.35	JUN 22	30.45				

405330072443701. Local number, S 46545.
LOCATION.--Lat 40°53'30", long 72°44'37", Hydrologic Unit 02030202, at Toppings Path, 0.9 mi (1.4 km) south of Nugget Drive, Calverton. Owner: Town of Brookhaven.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2 in (0.05 m), depth 73 ft (22 m), screen 70 to 73 ft (21 to 22 m).
DATUM.--Land-surface datum is 107.0 ft (32.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.14 ft (0.65 m) above land-surface datum.
PERIOD OF RECORD.--October 1976 to current year. Unpublished records for December 1972 to September 1976 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.78 ft (13.04 m) NGVD, June 26, 1978; lowest measured, 37.22 ft (11.34 m) NGVD, Oct. 7, 1977.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 7	37.22	JAN 11	38.09	MAR 30	42.41	JUN 26	42.78				

405716072591601. Local number, S 46548.
LOCATION.--Lat 40°57'16", long 72°59'16", Hydrologic Unit 02030201, at Woodhull Landing Road and Old Rocky Point Road, Miller Place. Owner: Town of Brookhaven.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2 in (0.05 m), depth 84 ft (26 m), screen assumed at bottom.
DATUM.--Land-surface datum is 71.0 ft (21.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.27 ft (0.08 m) below land-surface datum.
PERIOD OF RECORD.--October 1976 to current year. Unpublished records for December 1972 to September 1976 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.30 ft (3.44 m) NGVD, June 21, 1978; lowest measured, 9.06 ft (2.76 m) NGVD, April 4, 1977.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	9.34	JAN 4	9.48	APR 3	10.75	APR 4	10.88	JUN 21	11.30		

405621073022001. Local number, S 46549.
LOCATION.--Lat 40°56'21", long 73°02'20", Hydrologic Unit 02030201, at Crystal Brook Hollow Road, 0.2 mi (0.3 km) north of North Country Road, Port Jefferson. Owner: Town of Brookhaven.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2 in (0.05 m), depth 101 ft (31 m), screened 97 to 101 ft (30 to 31 m).
DATUM.--Land-surface datum is 97.0 ft (29.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.39 ft (0.12 m) below land-surface datum.
PERIOD OF RECORD.--October 1976 to current year. Unpublished records for December 1972 to September 1976 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.06 ft (8.25 m) NGVD, July 19, 1974; lowest measured, 23.81 ft (7.26 m) NGVD, Dec. 20, 1972.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	23.98	JAN 4	24.51	APR 3	25.78	APR 21	26.01	JUN 20	26.31		

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

NASSAU COUNTY

STATION NUMBER		LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)
404856073442601	N	31	112JMCO	78-08-21	236	660	6.5	13.0	--	--
403818073421501	N	1114	112GLCLU	77-12-15	29	700	6.4	15.0	170	58
			112GLCLU	78-03-23	29	390	6.8	12.0	120	0
			112GLCLU	78-06-23	29	390	6.5	13.0	120	36
			112GLCLU	78-08-24	29	260	6.3	17.5	--	--
403716073423101	N	1116	112GLCLU	77-12-15	18	325	5.3	10.5	110	89
			112GLCLU	78-03-23	18	320	5.8	6.5	110	88
			112GLCLU	78-06-23	18	250	5.8	14.0	110	94
			112GLCLU	78-08-24	18	500	6.4	15.0	--	--
404123073394802	N	1129	112GLCLU	77-12-15	44	275	5.5	13.0	93	84
			112GLCLU	78-03-23	44	270	5.6	13.0	87	79
			112GLCLU	78-06-23	44	210	5.6	14.0	91	80
			112GLCLU	78-08-24	44	240	5.6	14.0	--	--
404736073353101	N	1176	112GLCLU	77-12-13	198	36	6.0	10.0	7	0
			112GLCLU	78-03-29	198	47	5.8	12.0	6	0
			112GLCLU	78-06-21	198	27	6.0	12.0	5	0
			112GLCLU	78-08-23	198	30	6.8	12.0	--	--
404657073332201	N	1194	112GLCLU	77-12-13	100	380	5.7	10.5	100	80
			112GLCLU	78-03-29	100	410	5.7	12.0	100	76
			112GLCLU	78-06-21	100	375	5.7	11.0	110	94
			112GLCLU	78-08-23	100	410	5.8	12.0	--	--

DATE OF SAMPLE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)
78-08-21	--	--	--	--	--	--	--	--	--	--	--	1.8
77-12-15	56	7.9	40	4.2	140	110	2.9	120	.0	6.3	335	.02
78-03-23	40	4.6	25	3.2	150	120	4.3	38	.0	5.4	217	--
78-06-23	40	4.5	25	4.3	100	82	4.9	67	.0	6.1	218	--
78-08-24	--	--	--	--	15	12	50	27	.0	2.2	--	5.2
77-12-15	33	5.6	14	3.4	20	16	56	34	.0	5.1	173	4.3
78-03-23	34	4.9	13	--	21	17	53	25	.0	4.7	--	5.2
78-06-23	35	5.3	13	3.6	19	16	53	30	.0	5.0	182	5.5
78-08-24	--	--	--	--	45	37	11	81	.0	5.6	--	.09
77-12-15	30	4.3	6.2	2.3	11	9	56	13	.0	8.3	152	6.3
78-03-23	28	4.1	7.0	2.2	9	7	61	12	.0	7.8	153	6.0
78-06-23	30	4.0	6.9	2.2	14	11	59	9.0	.0	8.0	152	--
78-08-24	--	--	--	--	7	6	57	9.4	.0	2.6	--	7.3
77-12-13	1.6	.7	3.5	.8	10	8	1.4	3.9	.0	8.8	31	--
78-03-29	1.5	.6	3.4	.9	9	7	.5	2.9	.0	8.5	28	--
78-06-21	.9	.6	3.6	.7	7	6	1.2	3.5	.0	8.7	26	1.2
78-08-23	--	--	--	--	9	7	.8	2.2	.0	4.3	--	--
77-12-13	28	8.0	28	2.0	28	23	17	89	.0	12	203	2.2
78-03-29	29	7.4	28	2.2	33	27	17	87	.0	12	207	--
78-06-21	32	8.0	32	2.4	23	19	18	96	.0	12	225	--
78-08-23	--	--	--	--	4	3	15	99	.0	1.8	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

NASSAU COUNTY--Continued

DATE OF SAMPLE	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
78-08-21	.30	.00	.00	.00	.00	1.8	.01	.00	--	--	--	.00
77-12-15	.02	.00	.00	1.9	2.2	2.2	.04	.00	40000	29000	820	.10
78-03-23	.08	.00	.00	.66	.92	.98	.02	.00	--	22000	360	.00
78-06-23	.28	.00	.00	.79	.88	1.1	.00	.00	17000	16000	280	.10
78-08-24	5.1	.00	.00	.17	.22	5.4	.00	.00	--	--	--	.10
77-12-15	2.7	.00	.00	.22	.52	4.8	.00	.00	210	210	70	.10
78-03-23	2.7	.00	.00	.19	.35	5.6	.00	.00	210	150	120	.00
78-06-23	6.2	.00	.00	.11	.27	5.8	.00	.00	160	100	130	.10
78-08-24	.08	.00	.00	.00	.90	.99	.00	.00	--	--	--	.10
77-12-15	5.9	.00	.00	.00	.29	6.6	.01	.00	570	500	30	.10
78-03-23	6.0	.00	.00	.00	.00	6.0	.00	.00	400	290	40	.10
78-06-23	5.8	.00	.00	.00	.15	5.7	.01	.00	1700	550	90	.10
78-08-24	6.5	.01	.00	.00	.15	7.5	.00	.00	--	--	--	.00
77-12-13	1.2	.01	.01	.02	--	--	.00	.00	820	430	10	.00
78-03-29	1.1	--	.01	--	--	--	.00	--	580	200	10	.00
78-06-21	.96	.01	.01	.00	.00	1.2	.00	.00	680	230	20	.00
78-08-23	.91	--	.01	.00	.21	1.4	.00	.00	--	--	--	.00
77-12-13	1.1	.00	.00	.01	.08	2.3	.01	.00	920	650	10	.10
78-03-29	1.7	--	.00	--	--	--	.00	--	1000	630	30	.00
78-06-21	2.8	--	.01	.00	.14	2.9	.00	.00	1900	1000	30	.00
78-08-23	2.7	--	.01	.00	.42	3.1	.00	.00	--	--	--	.00

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

NASSAU COUNTY--Continued

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)
404310073261001	N 1250	112GLCLU	77-12-14	34	340	5.6	14.0	75	42
		112GLCLU	78-03-24	34	340	6.0	9.0	76	39
		112GLCLU	78-06-22	34	275	5.9	13.5	68	34
		112GLCLU	78-08-23	34	305	6.0	15.0	--	--
404239073255201	N 1251	112GLCLU	77-12-14	19	415	5.4	14.0	110	94
		112GLCLU	78-03-24	19	270	5.5	10.0	47	31
		112GLCLU	78-06-22	19	195	5.5	14.0	29	21
		112GLCLU	78-08-23	19	195	5.5	13.0	--	--
404133073253901	N 1252	112GLCLU	77-12-14	24	290	6.6	14.0	67	32
		112GLCLU	78-03-24	24	350	6.6	9.0	70	24
		112GLCLU	78-08-23	24	325	6.2	11.0	--	--
404059073254101	N 1253	112GLCLU	77-12-14	29	480	6.4	12.0	96	33
		112GLCLU	78-03-24	29	470	6.5	8.0	78	0
		112GLCLU	78-06-22	29	525	6.2	10.5	77	12
		112GLCLU	78-08-23	29	625	6.3	12.0	--	--
404015073252701	N 1254	112GLCLU	77-12-14	29	470	6.4	12.5	88	54
		112GLCLU	78-03-24	29	420	6.7	10.0	83	52
		112GLCLU	78-06-22	29	375	6.4	12.0	93	57
		112GLCLU	78-08-23	29	400	6.6	13.0	--	--
403920073410701	N 1429	112GLCLU	77-12-15	24	150	6.3	16.0	59	34
		112GLCLU	78-03-23	24	225	5.9	10.0	63	50
		112GLCLU	78-06-23	24	190	5.8	15.0	63	33
		112GLCLU	78-08-24	24	188	6.1	17.0	--	--

DATE OF SAMPLE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)
77-12-14	24	3.7	23	6.0	40	33	56	34	.0	9.5	187	3.5
78-03-24	22	5.1	25	5.0	45	37	45	31	.0	7.4	169	3.8
78-06-22	19	5.0	22	5.4	41	34	39	31	.0	7.7	162	3.5
78-08-23	--	--	--	--	24	20	35	32	.0	4.4	--	--
77-12-14	36	4.6	26	6.6	18	15	81	28	.0	13	253	14
78-03-24	16	1.8	26	3.5	20	16	50	18	.0	11	144	6.4
78-06-22	9.5	1.3	24	3.2	10	8	43	17	.0	9.2	131	--
78-08-23	--	--	--	--	10	8	39	19	.0	2.7	--	2.9
77-12-14	21	3.6	16	3.8	43	35	24	27	.0	5.8	131	3.1
78-03-24	22	3.6	34	4.3	56	46	34	40	.0	4.6	178	5.8
78-08-23	--	--	--	--	37	30	37	32	.0	9.7	--	--
77-12-14	29	5.8	36	4.5	77	63	33	83	.0	13	257	1.8
78-03-24	24	4.4	41	5.0	100	82	32	65	.0	14	248	.94
78-06-22	24	4.2	65	5.7	80	66	26	120	.0	13	308	1.2
78-08-23	--	--	--	--	39	32	28	140	.0	11	--	--
77-12-14	28	4.5	34	6.0	42	34	56	56	.0	8.8	238	5.9
78-03-24	27	3.9	33	5.0	38	31	57	41	.0	8.9	221	8.0
78-06-22	30	4.5	33	5.2	44	36	48	40	.0	8.8	233	--
78-08-23	--	--	--	--	16	13	52	55	.0	7.6	--	--
77-12-15	19	2.8	4.8	3.4	31	25	37	3.9	.0	10	101	1.4
78-03-23	20	3.1	10	4.3	16	13	52	7.7	.0	11	121	1.2
78-06-23	20	3.1	7.5	6.2	36	30	46	4.9	.0	11	118	.03
78-08-24	--	--	--	--	49	40	40	4.7	.0	4.8	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

NASSAU COUNTY--Continued

DATE OF SAMPLE	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
77-12-14	2.2	.00	.00	2.5	2.6	6.1	.00	.00	--	670	1900	.20
78-03-24	1.4	.00	.00	3.0	3.1	6.9	.00	.00	480	420	1500	.10
78-06-22	2.7	.00	.00	3.0	3.1	6.6	.00	.00	890	330	1000	.10
78-08-23	5.0	.01	.01	1.7	3.1	7.9	.01	.00	--	--	--	.10
77-12-14	11	.00	.00	3.4	2.6	17	.00	.00	520	180	600	.20
78-03-24	1.7	.00	.00	.25	--	--	.00	.00	--	300	420	.10
78-06-22	4.2	.00	.00	.31	.50	2.7	.00	.00	240	120	330	.10
78-08-23	2.9	.00	.00	.03	.62	3.5	.00	.00	--	--	--	.00
77-12-14	1.9	.00	.00	1.3	1.3	4.4	.01	.00	2100	910	1900	.00
78-03-24	1.7	.00	.00	1.1	1.7	7.5	<.01	.00	6600	770	1600	.10
78-08-23	11	--	.06	2.9	3.1	14	.00	.00	--	--	--	.20
77-12-14	.99	.00	.00	5.0	11	13	.01	.00	70	50	11000	.00
78-03-24	.75	.00	.00	6.1	8.1	9.0	.00	.00	--	110	10000	.10
78-06-22	2.3	.00	.00	3.2	4.0	5.2	.00	.00	110	40	8200	.10
78-08-23	.00	--	.01	3.4	5.0	6.8	.00	.00	--	--	--	.10
77-12-14	5.1	.00	.00	4.3	4.3	10	.01	.00	1000	650	2900	.20
78-03-24	5.8	.00	.00	4.4	4.7	13	.00	.00	720	710	2400	.20
78-06-22	9.4	.00	.00	3.4	--	--	.00	.00	280	270	2400	.20
78-08-23	9.8	--	.01	--	3.4	--	.00	.00	--	--	--	.20
77-12-15	.97	.00	.00	.00	.17	1.6	.18	.01	1700	520	140	.00
78-03-23	1.1	.00	.00	.00	.10	1.3	.01	.00	12000	200	120	.00
78-06-23	.03	.00	.00	.02	.10	.13	.07	.00	2900	1400	170	.00
78-08-24	.07	--	.01	.00	.39	.45	.01	.00	--	--	--	.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

NASSAU COUNTY--Continued

STATION NUMBER		LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)
404826073450401	N	2214	211LLYD	78-08-21	292	500	6.8	13.0	--	--
404855073404701	N	4223	211MGTY	77-11-03	326	178	5.8	15.5	62	28
404756073425801	N	5884	211MGTY	78-08-21	163	610	6.8	13.0	--	--
404544073265603	N	7397	112GLCLU	77-12-15	102	87	5.1	11.0	22	16
			112GLCLU	78-03-24	102	130	7.1	11.0	23	18
			112GLCLU	78-06-21	102	105	5.3	15.0	23	19
			112GLCLU	78-08-23	102	104	5.2	13.0	--	--
404730073423101	N	8877	112GLCLU	77-12-15	76	125	6.6	12.0	50	19
			112GLCLU	78-03-23	76	165	6.7	10.0	48	13
			112GLCLU	78-06-22	76	140	6.6	16.0	48	15
			112GLCLU	78-08-24	76	145	6.6	16.0	--	--
404702073305601	N	8888	112GLCLU	77-12-13	112	285	5.6	12.0	76	66
			112GLCLU	78-03-29	112	360	5.6	13.0	73	64
			112GLCLU	78-06-21	112	290	5.7	14.0	76	63
			112GLCLU	78-08-23	112	315	5.5	14.0	--	--
404404073330401	N	9193	211MGTY	77-11-14	205	305	5.2	16.0	72	63
404404073325301	N	9196	211MGTY	77-11-16*	205	80	5.1	12.0	16	9
404901073443002	N	9208	112GRDR	77-11-22	96	225	7.3	12.0	--	--
404353073331802	N	9220	112GLCLU	78-08-29*	45	400	5.8	13.0	80	67
405128073370602	N	9334	211LLYD	78-05-01	603	43	5.7	14.0	12	0
404401073324801	N	9367	211MGTY	77-11-15*	105	340	5.2	13.0	78	64
404401073324802	N	9368	112GLCLU	77-11-15*	45	58	5.6	15.0	9	0

DATE OF SAMPLE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)
78-08-21	--	--	--	--	--	--	--	--	--	--	--	2.9
77-11-03	13	7.2	8.5	1.5	41	34	19	10	.0	21	100	--
78-08-21	--	--	--	--	--	--	--	--	--	--	--	2.1
77-12-15	3.9	2.9	6.5	1.4	7	6	1.1	13	.0	6.0	46	4.3
78-03-24	3.6	3.3	10	1.6	6	5	.6	21	.0	5.7	67	4.9
78-06-21	3.9	3.2	8.6	1.4	5	4	1.0	20	.0	5.5	66	--
78-08-23	--	--	--	--	4	3	.2	17	.0	.9	--	--
77-12-15	10	6.0	6.0	1.8	37	30	20	7.6	.1	19	95	.01
78-03-23	9.5	5.9	6.2	1.7	43	35	20	7.5	.1	19	97	.00
78-06-22	9.4	6.0	6.3	1.8	41	34	23	9.3	.1	20	103	--
78-08-24	--	--	--	--	30	25	20	6.4	.1	11	--	--
77-12-13	23	4.6	26	4.7	13	11	47	29	.0	15	200	11
78-03-29	22	4.5	26	5.0	12	10	45	32	.0	16	210	--
78-06-21	23	4.4	27	5.6	15	12	47	35	.0	15	218	--
78-08-23	--	--	--	--	15	12	43	35	.0	4.2	--	12
77-11-14	18	6.6	25	2.4	11	9	15	21	.0	12	105	20
77-11-16	3.9	1.4	6.9	1.5	8	7	2.0	8.5	.0	6.9	49	4.8
77-11-22	--	--	--	--	--	--	--	5.8	--	--	--	.04
78-08-29	24	4.9	42	3.7	16	13	35	69	.0	7.4	194	8.8
78-05-01	3.0	1.0	4.0	.9	20	16	1.2	2.9	.0	8.9	33	--
77-11-15	25	3.7	28	6.2	17	14	37	25	.0	16	202	18
77-11-15	2.9	.5	7.0	1.9	14	11	6.4	2.8	.0	4.1	40	1.7

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

NASSAU COUNTY--Continued

DATE OF SAMPLE	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO. TOTAL (MG/L AS P)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
78-08-21	.04	.00	.00	.00	.00	2.9	.03	.03	--	--	--	.00
77-11-03	4.3	.00	.00	.00	.11	4.2	.01	.00	160	50	10	.10
78-08-21	1.7	.00	.00	.00	.00	2.1	.02	.01	--	--	--	.00
77-12-15	1.6	.00	.00	.04	1.2	5.5	.00	.00	760	650	60	.10
78-03-24	1.9	.00	.00	.04	.10	3.0	.00	.00	1000	650	60	.00
78-06-21	4.4	.00	.00	.02	--	--	.00	.00	840	660	50	.00
78-08-23	5.0	.00	.00	.07	.30	5.1	.00	.00	--	--	--	.10
77-12-15	.01	.00	.00	.00	.01	.02	.01	.00	2100	310	110	.00
78-03-23	.00	.00	.00	.01	.10	.10	.00	.00	6300	6000	110	.00
78-06-22	.13	.00	.00	.00	.00	.03	.00	.00	6500	6500	120	.00
78-08-24	.01	--	.01	.00	.13	.13	.01	.00	--	--	--	.00
77-12-13	10	.00	.00	.01	.02	11	.00	.00	1000	320	220	.10
78-03-29	12	.00	.00	.02	--	--	.00	.00	2600	300	230	.10
78-06-21	12	.00	.00	.00	.00	2.7	.00	.00	1300	260	250	.10
78-08-23	12	.01	.01	.02	.48	12	.00	.00	--	--	--	.10
77-11-14	--	.01	.00	.01	.27	20	.00	.00	50	20	10	.30
77-11-16	--	.00	.00	.01	--	--	.01	.00	80	20	10	.00
77-11-22	--	.00	--	.30	.47	.51	.39	.01	--	--	--	.00
78-08-29	--	.00	.00	.00	.09	8.9	.00	.00	70	10	0	.10
78-05-01	.25	.00	.00	.00	.11	.32	.00	.00	210	10	20	.00
77-11-15	--	.01	.00	.43	.44	18	.01	.00	50	40	680	.30
77-11-15	--	.00	.00	.00	.33	2.0	.03	.00	300	60	90	.10

* Additional analyses in Minor Element, Radiochemical, and Pesticide analyses of ground water.

Geological unit (aquifer):
112GLCLU - Upper glacial aquifer, Pleistocene age.
112GRDR - Gardiners clay, Pleistocene age.
112JMCO - Jameco gravel, Pleistocene age.
211LLYD - Lloyd aquifer, Cretaceous age.
211MGTY - Magothy aquifer, Cretaceous age.

WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	PCB, TOTAL (UG/L)	NAPHTHALENES, POLYCHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLORDANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)
404407073331501	N 9182	211MGTY	77-11-28	195	.0	.00	.00	.0	.00
404404073325301	N 9196	211MGTY	77-11-16	205	.0	.00	.00	.0	.00
404353073331802	N 9220	112GLCLU	78-08-29	45	.0	.00	.00	.0	.00
404401073324801	N 9367	211MGTY	77-11-15	105	.0	.00	.00	.0	.00
404401073324802	N 9368	112GLCLU	77-11-15	45	.0	.00	.00	.0	.00

DATE OF SAMPLE	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DIAZINON, TOTAL (UG/L)	DIELDRIN TOTAL (UG/L)	ENDOSULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTACHLOR, TOTAL (UG/L)	HEPTACHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALATHION, TOTAL (UG/L)	METHYL PARATHION, TOTAL (UG/L)
77-11-28	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
77-11-16	.00	00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
78-08-29	00	00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00
77-11-15	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
77-11-15	.00	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00

DATE OF SAMPLE	METHYL TRITHION, TOTAL (UG/L)	TOXAPHENE, TOTAL (UG/L)	TOTAL TRITHION (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
77-11-28	.00	0	.00	.00	.00
77-11-16	.00	0	.00	.00	.00
78-08-29	.00	0	.00	.00	.00
77-11-15	.00	0	.00	.00	.00
77-11-15	.00	0	.00	.00	.00

Note: See tables of Quality of Ground Water for additional analyses.

Geological unit (aquifer):
112GLCLU - Upper glacial aquifer, Pleistocene age.
211MGTY - Magothy aquifer, Upper Cretaceous age.

RADIOCHEMICAL ANALYSES OF GROUND WATER

WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	GROSS ALPHA, DISSOLVED (UG/L AS U-NAT)	GROSS BETA, DISSOLVED (PCI/L AS SR/YT-90)	GROSS BETA, DISSOLVED (PCI/L AS CS-137)
404407073331501	N 9182	211MGTY	77-11-28	195	9.1	4.1	4.6
404404073325301	N 9196	211MGTY	77-11-16	205	3.1	1.4	1.4
404353073331802	N 9220	112GLCLU	78-08-29	45	<2.7	3.9	4.2
404401073324801	N 9367	211MGTY	77-11-15	105	11	8.8	10
404401073324802	N 9368	112GLCLU	77-11-15	45	1.0	2.4	2.5

Note: See tables of Quality of Ground Water for additional analyses.

Geological unit (aquifer):
112GLCLU - Upper glacial aquifer, Pleistocene age.
211 MGTY - Magothy aquifer, Upper Cretaceous age.

MINOR ELEMENT ANALYSES OF GROUND WATER

WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
404407073331501	N 9182	211MGTY	77-11-28	195	50	0	0	0	10
404404073325301	N 9196	211MGTY	77-11-16	205	80	0	0	1	10
404353073331802	N 9220	112GLCLU	78-08-29	45	70	0	0	2	<10
404401073324801	N 9367	211MGTY	77-11-15	105	20	0	100	1	10
404401073324802	N 9368	112GLCLU	77-11-15	45	0	0	0	1	10

DATE OF SAMPLE	COBALT, TOTAL RECOVERABLE (UG/L AS CO)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	LITHIUM TOTAL RECOVERABLE (UG/L AS LI)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOVERABLE (UG/L AS AG)	STRONTIUM, TOTAL RECOVERABLE (UG/L AS SR)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
77-11-28	1	4	0	3	0	4	0	0	110	20
77-11-16	2	5	0	1	0	3	0	0	50	20
78-08-29	3	3	0	2	1	11	0	0	130	40
77-11-15	2	4	0	2	0	2	0	0	100	20
77-11-15	0	2	0	0	0	2	0	0	60	20

Note: See tables of Quality of Ground Water for additional analyses.

Geological unit (aquifer):
112GLCLU - Upper glacial aquifer, Pleistocene age.
211MGTY - Magothy aquifer, Upper Cretaceous age.

SUFFOLK COUNTY

WELL INDEX

Quality of ground-water records for Suffolk County are divided into four sections according to the agency that collected and analyzed the samples. The following list indicates the page number where data for each well may be found.

SUFFOLK COUNTY

WELL INDEX

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY

All samples were collected and analyzed by U.S. Geological Survey.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)
404957073073401	S 1811	112GLCLU	77-10-26	23	320	6.6	14.0	27	25
		112GLCLU	78-04-14	23	275	6.1	18.0	30	23
405223072523401	S 6434	211LLYD	78-04-27	1395	120	5.8	16.0	24	0
405744072571901	S 40851	112GLCLU	77-10-27	31	120	5.9	11.0	--	--
		112GLCLU	78-04-27	31	185	5.4	11.0	32	18
405223073021301	S 41050	112GLCLU	77-10-26	71	290	6.1	11.0	77	59
		112GLCLU	78-04-20	71	250	5.6	11.0	74	60
405218072561101	S 47225	112GLCLU	77-10-27	30	200	5.8	12.0	90	83
		112GLCLU	78-04-21	30	165	5.4	10.5	66	48
405111073065801	S 47675	112GLCLU	77-10-25	90	167	6.3	12.0	28	0
		112GLCLU	78-04-20	90	140	6.1	13.0	36	10
405307073060901	S 47698	112GLCLU	77-10-25	103	40	6.4	10.0	8	1
		112GLCLU	78-04-18	103	50	6.4	10.0	9	2
404941073065401	S 47718	112GLCLU	77-10-26	51	200	6.4	11.0	39	6
		112GLCLU	78-04-14	51	192	5.8	12.0	51	24
405417072572701	S 47745	112GLCLU	77-10-27	32	150	5.3	11.0	24	21
		112GLCLU	78-04-20	32	120	5.0	9.0	21	19
405338072530401	S 47749	112GLCLU	77-10-29	32	275	5.5	12.0	69	51
		112GLCLU	78-04-21	32	375	4.9	12.0	76	62
404922072595001	S 47756	112GLCLU	77-10-26	69	70	5.8	10.0	13	4
		112GLCLU	78-04-20	69	190	5.6	12.0	24	15

DATE OF SAMPLE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)
77-10-26	4.7	3.6	17	1.3	2	2	.7	63	.0	14	147	--
78-04-14	5.4	3.9	19	1.1	8	7	5.5	60	.0	15	148	.01
78-04-27	3.6	3.7	6.7	2.2	39	32	4.2	3.9	.0	7.8	52	.01
77-10-27	--	--	--	--	--	--	--	--	--	--	--	3.2
78-04-27	6.0	4.1	12	1.1	17	14	9.5	16	.0	12	84	3.2
77-10-26	17	8.5	28	2.6	22	18	23	22	.0	14	126	--
78-04-20	17	7.7	23	2.0	17	14	19	23	.0	14	185	17
77-10-27	29	4.2	4.8	4.1	8	7	72	6.9	.0	9.0	134	2.5
78-04-21	22	2.6	3.7	3.7	22	18	46	5.3	.0	8.4	114	2.7
77-10-25	7.9	2.0	22	2.1	37	30	9.1	21	.0	4.0	87	.92
78-04-20	10	2.6	8.1	1.7	31	25	11	10	.0	4.9	69	--
77-10-25	1.6	1.0	3.8	.7	9	7	3.0	5.2	.0	10	30	.26
78-04-18	1.9	1.0	3.8	.5	8	7	3.7	5.4	.0	9.9	31	.21
77-10-26	10	3.5	21	3.8	41	34	16	24	.0	2.2	104	.15
78-04-14	14	4.0	17	3.6	33	27	14	30	.0	2.4	105	--
77-10-27	6.5	1.9	18	2.2	4	3	20	20	.1	8.8	91	3.3
78-04-20	5.6	1.7	12	2.0	3	2	21	11	.0	8.8	72	1.8
77-10-29	21	4.0	24	1.7	22	18	60	24	.0	11	171	2.6
78-04-21	23	4.6	40	2.0	18	15	41	62	.0	11	216	5.6
77-10-26	2.2	1.8	11	1.0	11	9	7.8	15	.0	7.5	52	.30
78-04-20	5.0	2.7	22	1.3	11	9	13	37	.0	7.7	96	.53

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by U.S. Geological Survey.

DATE OF SAMPLE	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO. TOTAL (MG/L AS P)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
77-10-26	.04	.00	.00	4.2	4.5	4.5	.25	.00	51000	42000	610	.10
78-04-14	.02	.00	.00	4.7	4.8	4.8	.07	.00	37000	34000	560	.10
78-04-27	.02	.00	.00	.00	.03	.04	.05	.03	260	170	10	.00
77-10-27	--	.00	.00	.00	.00	3.2	.15	.00	--	--	--	.00
78-04-27	3.3	.00	.01	.00	.13	3.3	.00	.01	720	0	40	--
77-10-26	13	--	.04	.01	.00	17	.01	.00	1400	180	30	.10
78-04-20	16	.02	.02	.03	.02	17	.00	.00	300	50	20	.10
77-10-27	2.4	.00	.00	.01	.01	2.5	.00	.00	6400	280	50	.00
78-04-21	2.5	.00	.00	.00	.01	2.7	.00	.00	390	40	20	.00
77-10-25	.98	.00	.01	.01	.04	.96	.00	.00	8700	500	50	.00
78-04-20	1.1	.00	.00	.06	.06	.56	.00	.00	900	170	70	.00
77-10-25	--	.00	.00	.00	.25	.51	.01	.00	1300	150	10	.00
78-04-18	.19	.00	.00	.00	.12	.33	.00	.00	3400	130	10	.00
77-10-26	.01	.00	.00	1.4	1.5	1.7	.01	.00	3900	3600	300	.00
78-04-14	.60	.01	.01	.67	1.4	1.8	.00	.00	1300	1200	250	.10
77-10-27	2.6	.00	.00	.00	.06	.34	.00	.00	540	150	70	.10
78-04-20	1.8	.00	.01	.00	.13	1.9	.00	.00	200	0	60	.00
77-10-29	--	.00	.01	.04	.12	2.7	.00	.00	3600	3500	750	.10
78-04-21	5.2	.00	.00	.04	--	--	.00	.00	1200	330	780	.00
77-10-26	.22	.00	.00	.00	.05	.35	.00	.00	4500	300	40	.00
78-04-20	.24	.01	.00	.01	.30	.84	.00	.00	8100	310	20	.00

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by U.S. Geological Survey.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)
405008073025501	S 47757	112GLCLU	77-10-27	138	90	6.4	12.0	38	21
		112GLCLU	78-04-18	138	150	6.4	11.0	38	15
404852073050401	S 47758	112GLCLU	77-10-26	102	440	5.6	11.0	60	52
		112GLCLU	78-04-20	102	350	5.4	12.0	55	41
405648072555101	S 47945	112GLCLU	77-10-29	142	88	6.1	11.0	23	14
		112GLCLU	78-04-18	142	95	5.8	11.0	17	7
405604073064301	S 47973	112GLCLU	77-10-25	90	340	6.4	11.0	140	120
		112GLCLU	78-04-18	90	310	5.7	12.0	110	93
405532073025701	S 47974	112GLCLU	77-10-28	149	185	6.0	11.0	31	14
405050072595301	S 47975	112GLCLU	77-10-27	129	--	6.6	11.0	41	13
		112GLCLU	78-04-18	129	--	.6	11.0	51	10
405605072591501	S 47976	112GLCLU	77-10-29	138	175	5.9	11.0	48	27
		112GLCLU	78-04-18	138	220	5.8	11.0	53	35
405136073041601	S 48651	112GLCLU	77-10-26	64	325	5.9	12.0	66	40
		112GLCLU	78-04-18	64	310	5.9	12.0	49	23
405259073010301	S 48958	112GLCLU	77-10-26	81	118	6.1	11.0	35	19
		112GLCLU	78-04-17	81	180	6.2	11.0	48	32
404702073093701	S 57466	112GLCLU	77-12-07	13	77	3.5	10.5	9	4
		112GLCLU	78-04-11	13	67	4.1	6.0	8	8
		112GLCLU	78-06-20	13	53	5.9	10.3	7	6

DATE OF SAMPLE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)
77-10-27	9.3	--	5.0	.9	21	17	8.9	12	.0	12	67	2.0
78-04-18	9.0	3.7	5.4	.9	28	23	11	12	.0	13	74	1.2
77-10-26	19	3.1	54	3.2	10	8	28	99	.0	7.6	224	1.2
78-04-20	16	3.7	36	2.2	17	14	22	76	.0	8.2	177	1.2
77-10-29	5.8	2.0	5.4	1.3	11	9	13	7.6	.0	8.6	55	1.1
78-04-18	4.4	1.5	4.8	1.0	12	10	12	7.2	.0	8.2	48	.55
77-10-25	40	10	11	1.9	26	21	110	11	.0	11	215	5.2
78-04-18	32	7.6	11	1.5	22	18	87	12	.0	11	181	1.7
77-10-28	6.7	3.4	21	2.2	21	17	14	35	.0	11	108	1.1
77-10-27	10	3.9	4.4	1.0	34	28	9.8	5.8	.0	15	68	.31
78-04-18	12	5.2	5.2	1.0	51	42	11	8.6	.0	16	84	.78
77-10-29	11	5.1	14	1.4	26	21	15	17	.0	14	114	3.4
78-04-18	12	5.5	14	1.3	21	17	17	21	.0	14	119	5.3
77-10-26	19	4.4	35	2.8	31	25	29	54	.0	10	186	5.3
78-04-18	14	3.5	35	2.3	32	26	20	52	.0	9.6	160	--
77-10-26	8.0	3.6	9.0	1.2	19	16	17	7.3	.0	12	76	1.8
78-04-17	11	5.1	10	1.3	20	16	24	11	.0	12	96	4.1
77-12-07	1.8	1.1	6.4	1.0	6	5	8.8	11	.1	7.1	40	--
78-04-11	1.7	.9	6.4	.9	0	0	11	10	.1	6.1	37	--
78-06-20	1.5	.9	4.8	1.0	2	2	9.5	6.4	.1	6.5	32	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by U.S. Geological Survey.

DATE OF SAMPLE	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO, TOTAL (MG/L AS P)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
77-10-27	--	.00	.00	.02	.01	2.0	.01	.00	360	--	3	.00
78-04-18	.99	.00	.01	.00	.24	1.4	.00	.00	710	--	50	3.3
77-10-26	--	.00	.00	.03	.10	1.3	.00	.00	1200	830	30	.00
78-04-20	.99	.00	.01	.04	.05	1.3	.00	.00	1500	400	50	.00
77-10-29	.82	.00	.00	.00	.00	1.1	.01	.00	3000	1500	120	.00
78-04-18	.18	.00	.00	.05	.26	.81	.01	.00	2400	2400	140	1.8
77-10-25	--	.01	.00	.00	.00	5.2	.01	.00	1200	410	10	.10
78-04-18	1.7	.00	.00	.00	.00	1.7	.01	.00	380	90	10	7.3
77-10-28	.95	.01	.00	.05	.22	1.3	.02	.00	1000	470	130	.00
77-10-27	--	.00	.00	.00	.00	.31	--	.00	1100	280	10	.00
78-04-18	.47	.00	.00	.00	.17	.95	.01	.00	3500	260	30	1.0
77-10-29	--	.00	.01	.01	.00	3.4	.01	.00	1900	370	40	.10
78-04-18	5.2	.00	.00	.00	.00	5.3	.00	.00	670	330	20	5.5
77-10-26	3.6	.01	.01	.06	.18	5.5	.00	.00	1300	410	40	.10
78-04-18	1.7	.00	.01	.02	.15	1.5	.00	.00	1400	420	30	8.2
77-10-26	--	.00	.00	.00	.08	1.9	.01	.00	2900	360	60	.00
78-04-17	2.7	.00	.01	.00	.00	4.1	.01	.00	1100	180	10	.10
77-12-07	.02	--	.01	.00	--	--	--	--	330	100	70	--
78-04-11	.04	--	.00	.00	--	--	--	--	1100	60	80	--
78-06-20	.01	--	.00	.00	--	--	--	--	1200	140	100	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by U.S. Geological Survey.

STATION NUMBER	LOCAL IDENT-IFIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)
404702073093702	S 57467	112GLCLU	77-12-07	51	54	5.2	9.5	10	1
		112GLCLU	78-04-11	51	43	4.7	10.0	9	1
		112GLCLU	78-06-20	51	40	6.0	10.2	9	6
404700073092301	S 57468	112GLCLU	77-10-05	24	47	5.7	--	9	6
		112GLCLU	77-12-07	24	53	4.4	12.2	10	4
		112GLCLU	78-04-11	24	52	--	10.0	9	1
		112GLCLU	78-06-20	24	49	5.9	9.0	10	8
404700073092302	S 57469	112GLCLU	77-10-05	44	40	6.4	--	8	5
		112GLCLU	77-12-07	44	45	4.6	10.5	9	2
		112GLCLU	78-04-11	44	40	4.6	10.5	8	2
		112GLCLU	78-06-20	44	35	6.0	9.5	8	6
404619073093201	S 57470	112GLCLU	77-10-04	6.8	74	7.4	--	29	1
		112GLCLU	77-12-06	6.8	84	7.8	8.5	38	2
		112GLCLU	78-04-10	6.8	86	7.1	10.0	35	0
		112GLCLU	78-06-20	6.8	76	7.7	12.0	34	1
404619073093202	S 57471	112GLCLU	77-10-04	11	77	7.7	--	30	4
		112GLCLU	77-12-06	11	87	7.4	9.5	35	0
		112GLCLU	78-04-10	11	87	6.5	10.0	35	2
		112GLCLU	78-06-20	11	72	7.0	10.2	31	2
405426073062301	S 57490	112GLCLU	78-04-14	38	475	5.2	12.0	93	74

DATE OF SAMPLE	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)	BICAR-BONATE (MG/L AS HCO3)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)
77-12-07	1.4	1.6	5.5	.6	11	9	4.4	6.3	.0	9.2	39	.85
78-04-11	1.4	1.4	4.4	.6	10	8	5.2	6.4	.0	9.1	35	.46
78-06-20	1.3	1.4	4.1	.6	4	3	4.3	5.8	.0	9.1	30	.41
77-10-05	1.7	1.1	3.5	1.1	4	3	5.2	7.3	.0	6.5	28	.04
77-12-07	2.0	1.1	4.2	1.2	7	6	6.0	7.6	.0	7.1	33	.06
78-04-11	2.0	1.0	4.3	1.2	10	8	6.9	7.2	.1	7.0	35	.05
78-06-20	2.0	1.2	3.9	1.1	2	2	8.7	5.4	.0	7.2	31	.02
77-10-05	1.6	1.0	3.0	.8	4	3	6.2	4.8	.0	7.1	27	.01
77-12-07	1.8	1.1	3.2	.8	8	7	6.3	5.4	.0	7.5	31	.22
78-04-11	1.9	.9	3.2	.8	8	7	7.8	4.7	.0	7.5	31	.01
78-06-20	1.7	.9	3.0	.8	2	2	6.5	3.5	.0	7.4	25	.02
77-10-04	6.1	3.3	3.4	.7	34	28	.9	3.5	.0	15	50	.04
77-12-06	8.6	3.9	3.5	.7	43	35	1.1	3.5	.0	15	58	.04
78-04-10	7.5	3.9	3.5	.8	43	35	2.6	3.4	.1	15	58	.04
78-06-20	7.2	3.9	3.6	.8	40	33	2.1	4.2	.0	17	59	.05
77-10-04	6.2	3.9	3.4	.7	32	26	1.0	3.7	.0	15	49	.03
77-12-06	7.3	4.1	3.6	.8	44	36	1.1	4.1	.0	16	59	.03
78-04-10	7.4	3.9	3.5	.7	40	33	3.0	3.2	.1	16	58	.05
78-06-20	6.6	3.5	3.6	.8	35	29	1.8	4.0	.0	16	54	.04
78-04-14	24	8.1	50	4.6	24	20	33	78	.0	15	269	10

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by U.S. Geological Survey.

DATE OF SAMPLE	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
77-12-07	.00	.00	80	70	0
78-04-11	.00	.18	140	10	0
78-06-20	.00	.00	150	20	0
77-10-05	.02	.00	140	40	20
77-12-07	.00	.00	90	80	30
78-04-11	.00	.04	430	60	70
78-06-20	.00	.00	1700	140	70
77-10-05	.00	.00	110	30	10
77-12-07	.00	.00	110	60	10
78-04-11	.00	.00	390	10	30
78-06-20	.00	.00	930	50	70
77-10-04	.00	.00	330	10	10
77-12-06	.00	.00	50	50	0
78-04-10	.00	.00	7500	0	110
78-06-20	.00	.00	5700	20	60
77-10-04	.00	.00	380	10	10
77-12-06	.00	.00	250	50	10
78-04-10	.00	.00	4000	0	60
78-06-20	.00	.00	3400	20	40
78-04-14	.00	.00	3900	80	220

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by U.S. Geological Survey.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)
404700073092303	S 62234	112GLCLU	77-10-05	62	78	6.5	--	11	8
		112GLCLU	77-12-07	62	87	5.4	10.0	13	4
		112GLCLU	78-04-11	62	94	5.2	10.0	13	5
		112GLCLU	78-06-20	62	97	6.2	9.8	13	0
404619073093203	S 62237	112GLCLU	77-10-04	44	72	7.8	--	27	0
		112GLCLU	77-12-06	44	78	8.0	10.0	31	0
		112GLCLU	78-04-10	44	75	7.2	10.0	31	0
		112GLCLU	78-06-20	44	83	7.8	10.2	35	2
404711073100901	S 62238	112GLCLU	77-10-04	42	68	6.5	--	23	0
		112GLCLU	77-12-06	42	76	6.0	10.0	26	2
		112GLCLU	78-04-11	42	73	6.5	10.0	25	0
		112GLCLU	78-06-20	42	70	8.1	10.0	26	1
405033072560001	S 62404	112GLCLU	77-10-27	--	105	5.3	11.0	28	23
		112GLCLU	78-04-17	--	187	4.6	11.0	44	39
404711073100902	S 65595	112GLCLU	78-04-10	3.8	83	7.0	11.0	30	0
		112GLCLU	78-06-20	3.8	79	7.5	11.5	30	0

DATE OF SAMPLE	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)
77-10-05	1.7	1.6	8.8	1.0	4	3	6.8	13	.0	7.9	43	.01
77-12-07	2.1	1.8	11	1.3	11	9	7.4	17	.0	8.1	55	.05
78-04-11	2.5	1.7	11	1.2	10	8	8.5	19	.0	7.9	57	.03
78-06-20	2.3	1.7	13	1.2	16	13	9.1	18	.0	8.3	62	.04
77-10-04	5.7	3.2	3.5	.7	39	32	.4	3.6	.0	14	50	.03
77-12-06	6.4	3.6	3.5	.7	46	38	.7	3.5	.0	15	56	.04
78-04-10	6.8	3.5	3.4	.7	39	32	1.5	3.6	.1	15	54	.03
78-06-20	7.3	4.0	3.7	.7	40	33	1.8	4.1	.1	16	58	.05
77-10-04	5.0	2.6	4.3	.8	28	23	1.7	4.1	.1	17	49	.08
77-12-06	5.8	2.9	4.3	.8	30	25	1.9	4.6	.1	17	52	.00
78-04-11	5.9	2.6	4.1	.8	38	31	2.5	4.3	.1	14	54	.00
78-06-20	5.8	2.7	4.0	.8	30	25	2.4	4.5	.1	15	50	.01
77-10-27	7.7	2.2	6.2	2.8	7	6	19	11	.0	9.0	61	2.0
78-04-17	13	2.9	16	5.2	7	6	26	30	.1	9.4	124	4.1
78-04-10	6.6	3.3	4.3	.9	40	33	2.0	3.6	.1	11	52	.03
78-06-20	6.6	3.4	4.5	.8	40	33	2.3	4.5	.1	12	54	.02

DATE OF SAMPLE	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
77-10-05	.00	.00	550	180	10
77-12-07	.00	.00	11000	700	20
78-04-11	.00	.00	1700	280	20
78-06-20	.00	.00	650	60	20
77-10-04	.00	.00	290	10	10
77-12-06	.00	.00	170	60	0
78-04-10	.00	.00	8400	10	30
78-06-20	.00	.00	1800	140	10
77-10-04	.00	.00	70	40	10
77-12-06	.00	.00	270	120	40
78-04-11	.00	.00	2900	750	10
78-06-20	.00	.00	3600	40	30
77-10-27	.00	.11	70	60	100
78-04-17	.00	.56	80	20	220
78-04-10	.00	.00	20000.	50	190
78-06-20	.00	.00	11000	180	150

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Environmental Control.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)
404124073241601	S 43809	112GLCLU	77-12-27	34	420	5.1	14.0	.2	19
404124073241602	S 43810	112GLCLU	77-12-27	71	210	5.7	12.0	.1	14
404138073225801	S 43812	112GLCLU	77-12-27	30	400	6.3	15.0	.1	21
404138073225802	S 43813	112GLCLU	77-12-27	73	230	--	14.0	.1	8.0
404606073050001	S 45447	112GLCLU	77-12-02	79	278	5.6	12.0	3.1	11
404920072484502	S 46911	112GLCLU	77-12-05	31	82	6.0	15.5	8.5	1.3
404919072484501	S 46912	112GLCLU	77-12-05	21	540	5.4	14.5	7.9	10
405226073095701	S 46963	112GLCLU	77-10-21	128	126	5.5	12.0	10.5	4.8
410213072232700	S 47234	112GLCLU	77-10-24	27	8250	6.1	13.5	.0	--
405111073065801	S 47675	112GLCLU	77-10-21	90	170	6.0	13.0	7.5	7.0
404941073065400	S 47718	112GLCLU	77-10-21	51	215	5.9	13.0	.1	9.0
		112GLCLU	77-12-02	51	255	6.3	12.0	.0	11
405638072514700	S 47748	112GLCLU	78-01-11	115	45	6.1	11.0	10.5	1.1
404607072594702	S 47751	112GLCLU	77-12-01	38	253	5.2	14.0	.7	14
405412072441401	S 47753	112GLCLU	77-10-24	100	87	6.6	10.5	9.7	.9
405412072441402	S 47754	112GLCLU	77-10-24	39	395	5.4	12.0	8.3	2.6
404852073050400	S 47758	112GLCLU	77-10-21	102	430	5.2	12.0	9.7	18
404711072515000	S 47977	112GLCLU	77-12-01	55	129	5.2	12.0	9.8	5.2
405325072262702	S 48439	112GLCLU	77-12-28	51	140	6.2	13.0	9.6	7.6
405846072093001	S 49898	112GLCLU	77-12-28	64	70	5.7	13.0	6.6	2.6
404715073034401	S 51228	112GLCLU	77-10-12	25	410	6.1	23.0	6.4	14
405805072403701	S 51571	112GLCLU	78-01-06	106	520	5.8	11.5	10.2	66
405542072445302	S 51572	112GLCLU	78-01-05	41	36	4.6	13.0	.8	16
405512072395201	S 51573	112GLCLU	78-01-05	88	145	8.1	14.0	6.0	18
405757072491801	S 51584	112GLCLU	78-01-11	140	122	6.7	10.5	8.7	7.1
405634072380501	S 51588	112GLCLU	78-01-07	58	205	6.1	9.0	8.6	21
405512072395202	S 52449	112GLCLU	78-01-05	38	220	6.1	14.0	1.0	20
405513072505401	S 52886	112GLCLU	78-01-11	66	210	6.6	11.0	9.1	25
410702072221601	S 53323	112GLCLU	78-01-09	50	290	6.3	13.0	6.8	18
410234072243601	S 53328	112GLCLU	78-01-12	39	139	5.7	13.0	8.9	12
410304072262701	S 53335	112GLCLU	78-01-16	35	65	6.6	12.0	8.7	74
410906072171301	S 53337	112GLCLU	78-01-09	50	600	6.6	11.5	5.4	42
410412072261301	S 53338	112GLCLU	78-01-16	63	380	6.5	12.0	7.9	30
410004072264001	S 53537	112GLCLU	78-01-10	65	20000	7.2	12.0	9.2	330
410604072222201	S 53539	112GLCLU	78-01-09	35	21	5.9	14.0	8.7	19

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Environmental Control.

DATE OF SAMPLE	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHORUS, ORTHO. TOTAL (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
77-12-27	3.6	64	7.4	4	54	--	8.7	.00	2.0	.00	100	1160
77-12-27	3.4	17	5.6	11	50	23	5.3	.00	5.1	.00	300	280
77-12-27	3.3	41	4.4	66	41	60	1.2	.00	.85	.00	400	14000
77-12-27	4.7	21	2.3	11	26	30	3.3	.00	1.3	.00	300	160
77-12-02	2.6	29	4.6	7	14	52	3.2	.00	.08	.00	400	40
77-12-05	.3	11	.9	3	4.3	13	.42	.00	.08	.00	100	10
77-12-05	2.7	84	2.3	9	15	140	1.7	.00	.08	.00	100	230
77-10-21	2.7	13	.9	10	11	18	2.5	.00	.05	.00	600	20020
77-10-24	--	3000	.1	--	--	--	--	--	--	--	13000	--
77-10-21	1.9	24	.8	35	8.9	23	.76	.00	.09	.00	200	60
77-10-21	3.7	20	3.7	41	16	29	.03	.00	1.4	.00	2300	320
77-12-02	4.1	24	4.0	47	13	38	.02	.00	1.4	.00	2100	470
78-01-11	1.0	4.8	.4	4	4.1	6.6	.05	.00	.09	.00	110	10
77-12-01	2.9	19	5.5	4	31	20	9.2	.00	--	.00	100	180
77-10-24	.3	15	.1	13	6.1	13	.07	.00	.05	.24	100	20
77-10-24	1.3	64	.7	3	10	82	.14	.00	.05	.00	100	120
77-10-21	--	53	3.1	11	30	81	1.5	.00	.07	.00	300	30
77-12-01	2.0	9.0	1.9	3	19	14	2.2	.00	.08	.00	200	90
77-12-28	2.6	17	1.0	11	12	29	.95	.00	.05	.00	400	20
77-12-28	1.9	5.2	.7	9	--	--	.34	.00	.05	--	--	80
77-10-12	3.6	48	11	102	28	34	3.2	.01	3.8	1.8	300	240
78-01-06	13	9.0	3.1	7	150	27	10	.00	.05	.00	250	20
78-01-05	3.7	25	7.5	1	33	28	19	.00	.54	.00	180	1100
78-01-05	2.3	5.7	.8	64	1.2	4.0	.02	.00	.38	.13	150	50
78-01-11	3.9	7.8	.9	13	13	12	1.7	.00	.07	.00	120	10
78-01-07	3.9	4.6	3.7	6	47	9.9	4.9	.00	.19	.19	420	230
78-01-05	4.4	12	2.0	24	35	19	2.9	.00	.05	.01	110	30
78-01-11	5.6	7.9	1.2	12	35	24	5.8	.00	.08	.00	60	10
78-01-09	5.6	28	2.6	15	38	38	3.7	.00	.06	.00	570	20
78-01-12	2.3	5.9	3.6	5	34	11	.29	.00	.08	.00	90	30
78-01-16	12	15	8.9	8	170	32	16	.00	.05	.00	420	20
78-01-09	28	31	3.0	20	140	66	6.7	.04	.06	.00	330	--
78-01-16	5.8	25	9.1	14	62	33	12	.00	.05	.04	350	120
78-01-10	880	7400	300	155	1940	--	.03	.00	7.8	.00	17000	7300
78-01-09	3.4	12	1.2	12	49	17	1.4	.00	.07	.00	100	20

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected by Suffolk County Department of Environmental Control and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)
404703073264205	S 29778	211MGTY	77-12-07	168	180	6.1	11.0	75	9.4
		211MGTY	78-04-03	168	180	6.3	11.5	56	9.2
		211MGTY	78-06-08	168	163	5.4	13.0	51	8.6
404920072484602	S 46913	112GLCLU	77-12-05	19	43	6.5	10.0	22	2.1
		112GLCLU	78-04-04	19	97	6.9	4.0	15	3.4
		112GLCLU	78-06-23	19	268	6.4	13.0	37	11
404917072484501	S 46914	112GLCLU	77-12-05	33	34	6.0	14.0	14	.7
		112GLCLU	78-04-04	33	86	6.4	2.5	12	1.1
		112GLCLU	78-06-23	33	126	6.0	10.0	7	1.3
405240072491402	S 47226	112GLCLU	77-12-06	27	127	6.4	11.5	39	10
		112GLCLU	78-03-06	27	175	6.6	10.5	42	11
		112GLCLU	78-06-27	27	122	6.3	10.0	39	8.8
405240072491401	S 47227	112GLCLU	77-12-06	100	98	7.0	10.5	46	11
		112GLCLU	78-03-06	100	118	7.5	11.0	38	11
		112GLCLU	78-06-27	100	95	7.6	11.0	39	10
405121072490601	S 48946	112GLCLU	77-12-05	41	130	6.1	11.0	45	11
		112GLCLU	78-03-08	41	280	6.1	11.5	72	23
		112GLCLU	78-06-23	41	245	5.7	11.5	73	21
405500072495201	S 51583	112GLCLU	77-12-06	49	44	5.7	10.5	20	1.7
		112GLCLU	78-03-09	49	59	5.8	10.5	12	2.3
		112GLCLU	78-06-27	49	53	5.3	11.0	16	2.0
405349072494101	S 51592	112GLCLU	77-12-06	39	90	5.9	11.5	22	2.6
		112GLCLU	78-03-08	39	94	5.7	12.0	13	2.6
		112GLCLU	78-06-27	39	69	5.3	11.0	14	2.4

DATE OF SAMPLE	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)
77-12-07	7.4	6.2	1.9	13	3.4	12	<.1	13	<.01	<.01	<.01	3.6
78-04-03	6.9	6.0	1.8	16	3.6	12	<.1	10	<.01	<.01	<.01	4.1
78-06-08	6.9	5.9	1.5	15	3.8	12	<.1	9.2	<.01	<.01	<.01	3.1
77-12-05	.5	3.2	3.7	17	3.1	.0	<.1	<.01	<.01	<.01	<.01	3.7
78-04-04	.7	12	1.5	17	2.6	15	<.1	.12	<.01	<.01	<.01	5.3
78-06-23	2.2	28	2.7	23	4.2	55	<.1	.38	<.01	<.01	.13	3.2
77-12-05	.2	4.7	.5	7	5.6	1.0	<.1	.25	<.01	<.01	<.01	3.2
78-04-04	.3	13	.6	7	3.2	17	<.1	.19	<.01	<.01	.01	4.8
78-06-23	.4	19	1.1	10	3.3	24	<.1	.26	<.01	<.01	<.01	2.1
77-12-06	1.9	4.6	.5	34	2.0	5.0	<.1	.24	<.01	<.01	.16	3.0
78-03-06	2.1	4.7	.6	38	.6	7.0	<.1	.01	<.01	<.01	.04	3.7
78-06-27	1.7	4.6	.5	30	2.2	6.5	<.1	.04	<.01	<.01	<.01	3.1
77-12-06	2.4	3.9	.3	40	3.5	2.0	<.1	.26	--	.03	.10	3.3
78-03-06	2.4	3.8	.3	34	4.9	3.5	<.1	.01	.01	<.01	.06	4.2
78-06-27	2.2	3.9	.3	34	5.0	3.0	<.1	<.01	<.01	<.01	<.01	2.8
77-12-05	2.9	3.7	3.7	11	28	5.5	<.1	2.8	.14	<.01	<.01	3.8
78-03-08	5.3	7.9	4.0	8	45	14	<.1	5.6	<.01	<.01	.07	4.5
78-06-23	5.4	7.7	4.3	18	38	14	<.1	5.5	<.01	<.01	<.01	3.4
77-12-06	1.3	4.3	.7	6	8.9	3.0	<.1	.31	<.01	<.01	<.01	3.5
78-03-09	1.4	3.3	.7	5	7.5	4.0	<.1	.38	<.01	<.01	.03	4.9
78-06-27	1.4	3.4	.7	6	6.5	5.5	<.1	.27	<.01	<.01	<.01	3.9
77-12-06	1.1	9.9	1.0	6	10	12	<.1	.73	<.01	<.01	<.01	3.2
78-03-08	1.0	8.1	.9	6	11	8.5	<.1	.68	<.01	<.01	.01	5.1
78-06-27	1.1	6.4	.9	5	11	6.5	<.1	.72	<.01	<.01	<.01	3.6

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected by Suffolk County Department of Environmental Control and analyzed by Suffolk County Water Authority.

DATE OF SAMPLE	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
77-12-07	90	70	50	.07
78-04-03	150	80	60	.02
78-06-08	--	100	30	--
77-12-05	210	180	<10	<.02
78-04-04	50	30	20	<.02
78-06-23	360	210	80	--
77-12-05	90	90	<10	<.02
78-04-04	100	100	20	<.02
78-06-23	210	110	--	--
77-12-06	--	11250	240	.07
78-03-06	12600	12600	270	.03
78-06-27	9100	9100	150	--
77-12-06	580	580	230	<.02
78-03-06	530	580	200	<.02
78-06-27	570	400	160	--
77-12-05	1080	450	180	.07
78-03-08	620	400	180	.02
78-06-23	1400	720	140	--
77-12-06	90	90	<10	<.02
78-03-09	140	120	30	<.02
78-06-27	410	30	30	--
77-12-06	110	70	<10	<.02
78-03-08	200	100	30	<.02
78-06-27	80	60	10	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	HARDNESS (MG/L AS CACO3)
405911072174201 S	184 SCWA JERMAIN AVE	112GLCLU	78-02-13	138	64	6.0	<1	1	20
405845072082301 S	721 SCWA COZZEN LANE	112GLCLU	77-10-18	94	170	7.2	<1	0	54
404454073033001 S	871 SCWA LAKEVIEW AV	112GLCLU	78-01-26	110	76	5.7	<1	0	27
404454073033002 S	872 SCWA LAKEVIEW AV	112GLCLU	78-01-26	107	125	5.6	<1	0	25
405309073223401 S	874 SCWA MEADE DR.	112GLCLU	78-01-08	145	163	6.5	<1	0	52
404551072561601 S	1331 SCWA HEAD OF NEC	112GLCLU	77-10-11	60	148	5.9	<1	0	45
		112GLCLU	78-02-01	60	150	5.5	<1	0	46
405412072232901 S	1340 SCWA LONG SPRING	112GLCLU	77-11-21	87	280	5.8	<1	0	82
405411072232701 S	1341 SCWA LONG SPRING	112GLCLU	77-11-21	99	400	6.1	<1	0	156
		112GLCLU	78-03-20	99	385	6.0	<1	0	160
405720072122701 S	2415 SCWA BRIDGEHAMPT	112GLCLU	77-11-22	90	170	6.0	<1	0	59
		112GLCLU	78-03-28	90	152	5.8	<1	0	39
405719072122802 S	2570 SCWA BRIDGEHAMPT	112GLCLU	77-11-22	90	134	6.2	<1	0	39
		112GLCLU	78-03-28	90	121	6.1	<1	0	20
405322073211001 S	2978 SCWA WASHINGTON	211MGTY	78-01-07	240	38	5.6	<1	0	12
410310071570901 S	3615 SCWA FLAMINGO AV	112GLCLU	78-03-27	111	250	6.5	<1	0	46
404426073073301 S	3813 SCWA OAKDALE 1	112GLCLU	78-01-29	83	129	6.0	<1	0	49
404426073073302 S	3814 SCWA OAKDALE 3	112GLCLU	78-01-28	90	114	5.8	<1	0	35
404426073073303 S	3815 SCWA OAKDALE 2	112GLCLU	78-01-29	83	87	6.2	<1	0	28

DATE OF SAMPLE	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)
78-02-13	3.9	1.1	6.9	.4	15	E23*	1.8	9.5	.01	<.01	.22	<.10
77-10-18	16	3.6	12	1.0	36	3.6	13	16	2.1	<.01	<.01	<.10
78-01-26	6.2	1.4	7.9	1.2	13	--	10	8.0	.67	<.01	.41	<.10
78-01-26	5.6	1.6	14	1.8	18	--	15	16	.93	<.01	1.0	<.10
78-01-08	12	5.0	7.9	.9	21	E10	17	10	4.5	<.01	<.01	<.10
77-10-11	9.5	2.0	12	2.1	9	--	17	16	3.3	<.01	<.01	<.10
78-02-01	9.1	2.4	13	1.8	12	--	15	18	2.8	<.01	<.01	<.10
77-11-21	26	6.1	10	3.7	15	--	50	21	5.7	<.01	<.01	<.10
77-11-21	43	9.9	10	3.1	16	E20	93	25	8.2	<.01	<.01	<.10
78-03-20	44	10	10	3.6	11	E17	91	26	9.3	<.01	<.01	<.10
77-11-22	11	5.9	15	1.3	15	E.2	23	20	4.3	<.01	<.01	<.10
78-03-28	8.5	4.1	11	1.4	11	--	18	16	3.3	<.01	<.01	<.10
77-11-22	8.6	4.2	12	1.3	14	E14	16	16	3.5	<.01	<.01	<.10
78-03-28	4.3	2.2	13	.9	15	E18	13	12	1.4	<.01	<.01	<.10
78-01-07	1.7	.6	4.1	.4	7	--	.3	4.5	1.1	<.01	<.01	<.10
78-03-27	9.3	4.9	29	1.6	26	E13	9.7	49	.89	<.01	<.01	<.10
78-01-29	11	3.2	10	2.0	22	E35	11	14	2.7	<.01	<.01	<.10
78-01-28	9.2	2.6	9.2	1.7	23	--	11	13	2.6	<.01	<.01	<.10
78-01-29	7.8	2.4	7.3	1.3	22	E22	6.6	8.5	1.6	<.01	<.01	<.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

DATE OF SAMPLE	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
78-02-13	<0	<10	7800	90	<.2	330	<.02
77-10-18	--	<10	40	20	--	20	<.02
78-01-26	<0	100	90	600	<.2	940	<.02
78-01-26	<0	130	30	730	<.2	30	<.02
78-01-08	<0	50	<10	<10	<.2	10	<.02
77-10-11	--	30	20	<10	--	60	.07
78-02-01	<0	10	<10	20	<.2	50	<.02
77-11-21	--	100	<10	30	--	20	<.02
77-11-21	--	60	<10	20	--	20	<.02
78-03-20	<0	50	<10	20	<.2	<10	.02
77-11-22	--	250	<10	40	--	20	<.02
78-03-28	<0	50	30	30	<.2	<10	<.02
77-11-22	--	150	30	30	--	50	<.02
78-03-28	0	<10	40	10	<.2	280	<.02
78-01-07	<0	20	<10	<10	<.2	<10	<.02
78-03-27	<0	<10	40	80	<.2	60	<.02
78-01-29	<0	30	<10	250	<.2	10	<.02
78-01-28	<0	<10	<10	110	<.2	<10	<.02
78-01-29	<0	20	<10	50	<.2	100	<.02

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	HARDNESS (MG/L AS CACO3)
405032073162801 S	4184 SCWA WALTER CT.	112GLCLU	77-12-13	162	320	6.1	<1	0	38
		112GLCLU	78-04-15	162	310	6.0	<1	1	86
405646073041601 S	4372 SCWA W. BROADWAY	112GLCLU	78-02-16	95	53	6.3	<1	0	27
405840072114501 S	7570 SCWA OAKVIEW HWY	112GLCLU	78-03-28	162	126	6.0	<1	0	34
405646073041602 S	8439 SCWA W. BROADWAY	112GLCLU	78-01-26	92	51	6.4	<1	0	20
405845072082302 S	8980 SCWA COZZEN AVE	112GLCLU	77-10-18	103	155	7.2	<1	0	50
405126073273801 S	9279 SCWA HARBOR RD. 1	112GLCLU	78-01-06	250	41	5.8	<1	0	12
404452073033001 S	9893 SCWA LAKEVIEW AV	112GLCLU	78-01-25	96	55	5.7	<1	0	25
		112GLCLU	78-07-28	96	44	6.3	<1	1	20
404220073190301 S	10641 SCWA SMITH ST.	112GLCLU	78-01-29	59	26	5.1	<1	1	8
405345073203801 S	11105 SCWA RESERVOIR A	112GLCLU	78-01-18	517	142	6.4	<1	0	56
405046073120602 S	11810 SCWA NY AVE	112GLCLU	77-11-13	164	81	6.5	<1	0	38
		112GLCLU	78-04-12	164	54	6.2	<1	0	19
405054073151001 S	11891 SCWA CORNELL DR	112GLCLU	77-12-13	119	237	5.9	<1	0	65
		112GLCLU	78-04-13	119	230	5.8	<1	0	62
405126073273802 S	12130 SCWA HARBOR RD.	112GLCLU	78-01-10	305	37	5.4	<1	0	14
404531073150601 S	13534 SCWA EAST FORKS	112GLCLU	77-12-20	119	150	5.4	<1	0	36
		112GLCLU	78-04-01	119	149	5.6	<1	0	39
404937073060301 S	13620 SCWA SAMUEL ST. 1	112GLCLU	77-11-30	160	163	6.0	<1	0	51
		112GLCLU	78-03-28	160	149	5.9	<1	0	48

DATE OF SAMPLE	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)
77-12-13	22	5.6	20	2.9	18	E22	34	30	10	.03	<.01	<.10
78-04-15	22	6.6	21	2.7	18	E29	34	32	11	<.01	<.01	<.10
78-02-16	4.3	1.3	4.3	.4	16	E13	2.0	4.5	.97	<.01	<.01	<.10
78-03-28	7.0	3.1	10	.6	12	E19	10	15	1.4	.01	<.01	<.10
78-01-26	4.9	1.2	4.7	.4	20	E12	2.0	2.0	.43	<.01	<.01	<.10
77-10-18	13	3.1	12	.9	33	3.3	11	16	1.6	<.01	<.01	<.10
78-01-06	2.0	.7	4.0	.5	8	--	.9	3.0	1.3	<.01	.04	<.10
78-01-25	3.5	1.4	5.7	.5	14	--	5.0	5.0	.38	<.01	<.01	<.10
78-07-28	3.2	1.2	3.3	.5	16	E12	2.8	2.0	<.01	<.01	<.00	.14
78-01-29	.7	.4	3.8	.5	8	--	2.4	3.0	<.01	<.01	<.01	.67
78-01-18	12	4.4	8.3	1.1	21	E13	12	11	3.9	<.01	<.01	<.10
77-11-13	7.2	2.3	4.3	.5	26	E13	3.7	3.5	.49	<.01	<.01	<.10
78-04-12	3.9	1.3	4.2	.4	19	E19	2.1	3.5	.05	<.01	<.01	<.10
77-12-13	16	5.7	18	2.1	15	--	29	23	7.4	<.01	<.01	<.10
78-04-13	16	5.9	15	1.9	18	--	29	21	6.9	<.01	<.01	<.10
78-01-10	1.8	.6	3.7	.4	6	--	.7	2.0	1.2	<.01	<.01	<.10
77-12-20	8.2	3.4	9.7	1.9	10	--	14	12	5.0	<.01	.23	<.10
78-04-01	8.3	3.5	9.8	2.0	9	--	16	13	5.6	<.01	.28	<.10
77-11-30	10	3.9	12	1.3	24	E38	8.7	13	5.0	<.01	.16	<.10
78-03-28	12	4.7	11	1.1	34	--	9.4	13	4.6	<.01	<.01	<.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

DATE OF SAMPLE	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
77-12-13	--	70	<10	20	--	160	<.02
78-04-15	<0	70	70	20	<.2	30	<.02
78-02-16	<0	50	40	<10	.2	20	<.02
78-03-28	<0	110	<10	<10	<.2	80	<.02
78-01-26	<0	670	50	<10	<.2	100	<.02
77-10-18	--	<10	30	20	--	.30	<.02
78-01-06	<0	<10	<10	<10	<.2	<10	<.02
78-01-25	<0	70	30	350	<.2	20	<.02
78-07-28	--	10	450	30	--	10	<.02
78-01-29	<0	30	320	20	<.2	20	<.02
78-01-18	<0	60	80	<10	<.2	20	<.02
77-11-13	--	40	140	10	--	<10	<.02
78-04-12	<0	40	100	40	<.2	<10	<.02
77-12-13	--	110	<10	20	--	30	.08
78-04-13	<0	150	40	30	<.2	30	<.02
78-01-10	<0	100	<10	<10	.4	<10	<.02
77-12-20	--	100	<10	130	--	20	<.02
78-04-01	<0	<10	30	140	<.2	<10	<.02
77-11-30	--	70	<10	310	--	<10	<.01
78-03-28	<0	100	100	70	<.2	20	<.02

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	HARDNESS (MG/L AS CACO3)
404919073142701	S 14326 SCWA FALCON DR.	211MGTY	77-11-14	225	62	6.0	<1	0	20
		211MGTY	78-04-07	225	62	6.3	<1	0	19
404551072561602	S 14710 SCWA HEAD OF NEC	112GLCLU	77-11-21	118	76	6.0	<1	0	21
		112GLCLU	78-02-03	118	90	6.1	<1	0	29
405453073030302	S 14792 SCWA JAYNE BLVD	211MGTY	77-11-06	453	100	6.6	<1	0	42
		211MGTY	78-02-26	453	122	6.5	<1	0	39
405806072095401	S 14921 SCWA SPRING CLOS	112GLCLU	77-11-22	125	115	6.1	<1	0	31
		112GLCLU	78-03-27	125	97	6.4	<1	0	26
404811073113101	S 15500 SCWA HALF MILE R	112GLCLU	77-11-08	149	97	6.0	<1	0	30
404811073113102	S 15501 SCWA HALF MILE R	112GLCLU	78-03-12	154	55	6.2	<1	0	21
405308073175101	S 15514 SCWA GUN CLUB RD	211MGTY	78-01-11	595	150	6.4	<1	0	87
405307073175001	S 15515 SCWA GUN CLUB RD	211MGTY	78-01-11	356	305	6.1	<1	0	64
404923073122401	S 15746 SCWA WHEELER RD.	112GLCLU	77-11-02	128	138	6.3	<1	0	38
405113073260801	S 15776 SCWA WOODCHUCK H	112GLCLU	78-01-07	503	94	6.0	<1	0	27
405607073072401	S 15962 SCWA MUD RD. 1	112GLCLU	78-01-26	127	190	5.8	<1	0	62
405301073153201	S 16129 SCWA CARLSON AVE	211MGTY	77-12-15	550	42	6.1	<1	0	19
		211MGTY	78-04-19	550	39	6.0	<1	0	12
404534073163101	S 16175 SCWA LOCUST DR.	112GLCLU	77-12-18	130	185	5.5	<1	0	44
		112GLCLU	78-04-08	130	172	5.3	<1	0	23
404528073150801	S 16176 SCWA EAST FORKS	112GLCLU	77-12-17	117	68	6.2	<1	0	26
		112GLCLU	78-03-29	117	200	5.6	<1	0	53

DATE OF SAMPLE	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)
77-11-14	4.1	1.4	4.8	.4	16	E25	2.3	6.0	.82	<.01	<.01	<.10
78-04-07	4.5	1.5	4.9	.4	17	E14	3.5	6.5	.86	<.01	<.01	<.10
77-11-21	6.5	1.6	7.7	1.1	17	E27	7.0	8.0	2.0	<.01	<.01	<.10
78-02-03	5.3	1.8	8.5	1.1	19	E30	7.4	8.0	2.0	<.01	.12	<.10
77-11-06	8.5	3.3	5.2	.8	18	7.2	13	4.5	1.7	<.01	<.01	<.10
78-02-26	9.6	3.9	5.8	1.0	17	8.6	16	6.5	2.3	<.01	<.01	<.10
77-11-22	4.6	2.6	9.1	.7	10	E12	12	12	.88	<.01	<.01	<.10
78-03-27	4.9	2.5	8.6	.7	10	6.3	12	12	1.0	<.01	<.01	<.10
77-11-08	6.1	2.2	7.7	.6	20	E31	3.5	11	1.0	<.01	<.01	<.10
78-03-12	3.8	1.3	3.9	.4	18	E18	1.8	3.0	.02	<.01	.06	<.10
78-01-11	12	4.3	7.8	.8	16	E10	18	12	3.6	.05	<.01	<.10
78-01-11	29	9.9	11	1.9	16	E20	57	23	7.9	<.01	<.01	<.10
77-11-02	10	2.6	12	1.2	22	E18	10	17	1.8	<.01	<.01	<.10
78-01-07	6.2	2.4	6.0	.8	13	E20	4.2	6.5	3.7	<.01	<.01	<.10
78-01-26	14	5.2	13	1.0	27	--	24	14	3.5	<.01	<.01	<.10
77-12-15	3.1	.6	3.6	.4	11	E13	1.6	3.5	.43	<.01	<.01	<.10
78-04-19	2.7	.5	3.3	.4	10	E15	.8	4.0	.44	<.01	<.01	<.10
77-12-18	10	3.4	15	2.4	11	--	16	20	5.7	<.01	.09	<.10
78-04-08	9.4	3.2	14	2.4	7	--	18	20	5.4	<.01	<.01	<.10
77-12-17	4.8	1.2	4.4	.5	14	E14	7.6	5.0	.45	<.01	<.01	<.10
78-03-29	13	.4	13	4.1	12	--	17	15	8.4	<.01	.20	<.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

DATE OF SAMPLE	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
77-11-14	--	<10	<10	<10	--	10	<.02
78-04-07	<0	<10	<10	<10	<.2	<10	<.02
77-11-21	--	30	20	40	--	100	<.02
78-02-03	<0	20	90	30	<.2	<10	<.02
77-11-06	--	50	<10	20	--	30	<.02
78-02-26	<0	40	<10	<10	<.2	<10	<.02
77-11-22	--	40	<10	<10	--	20	<.02
78-03-27	<0	40	60	20	<.2	40	<.02
77-11-08	--	20	10	<10	--	10	<.02
78-03-12	<0	60	<10	<10	1.3	<10	<.02
78-01-11	<0	40	50	<10	<.2	20	<.02
78-01-11	<0	70	100	<10	<.2	100	<.02
77-11-02	--	80	20	20	--	20	<.02
78-01-07	<0	60	<10	<10	<.2	<10	<.02
78-01-26	<0	110	<10	<10	<.2	50	<.02
77-12-15	--	100	<10	<10	--	<10	<.02
78-04-19	<0	70	30	<10	<.2	<10	<.02
77-12-18	--	140	30	250	--	20	<.02
78-04-08	<0	110	30	230	<.2	<10	.06
77-12-17	--	570	100	40	--	820	<.02
78-03-29	<0	30	30	290	<.2	20	<.02

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	HARDNESS (MG/L AS CACO3)
404402073193202 S	16256 SCWA AUGUST RD.	211MGTY	77-10-12	650	32	5.3	<1	0	11
		211MGTY	78-02-22	650	30	5.2	<1	0	9
405230073030601 S	16309 SCWA BOYLE RD	112GLCLU	77-11-17	251	57	6.9	<1	0	21
		112GLCLU	78-03-19	251	54	7.1	<1	0	24
404947072405601 S	16892 SCWA OLD COUNTRY	112GLCLU	77-11-21	76	57	5.9	<1	0	25
		112GLCLU	78-03-27	76	79	6.1	<1	0	22
404945072414201 S	16893 SCWA OLD COUNTRY	112GLCLU	77-11-21	70	80	5.9	<1	0	22
		112GLCLU	78-03-27	70	62	5.9	<1	0	15
404952072583601 S	17037 SCWA RACE AVE. 1	112GLCLU	77-12-11	155	170	5.9	<1	0	50
		112GLCLU	78-04-04	155	152	6.1	<1	0	38
405413072232901 S	17474 SCWA LONG SPRING	112GLCLU	77-11-21	103	260	6.1	<1	0	87
		112GLCLU	78-03-20	103	268	6.3	<1	0	98
404933073060301 S	17630 SCWA SAMUEL ST. 2	112GLCLU	77-11-30	178	169	6.2	<1	0	51
		112GLCLU	78-03-28	178	165	6.0	<1	0	48
405449073025601 S	17689 SCWA JAYNE BLVD.	211MGTY	77-11-08	543	76	6.6	<1	0	34
		211MGTY	78-02-27	543	74	6.8	<1	0	27
404233073204101 S	18003 SCWA SAWYER AVE.	211MGTY	77-12-20	668	19	4.7	<1	0	10
		211MGTY	78-03-30	668	21	5.1	<1	0	4
404707073190401 S	18261 SCWA PLYMOUTH ST	211MGTY	77-10-11	377	43	5.4	<1	0	8
		211MGTY	78-02-22	377	46	5.5	<1	0	16
404528073150501 S	18566 SCWA EAST FORKS	211MGTY	77-12-17	65	40	5.9	<1	0	11
		211MGTY	78-03-30	65	175	6.0	<1	0	51
404704073190401 S	18621 SCWA PLYMOUTH ST	112GLCLU	77-10-12	201	52	6.0	<1	0	15

DATE OF SAMPLE	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)
77-10-12	1.4	.6	2.8	.4	4	--	5.0	3.5	.01	<.01	<.01	<.01
78-02-22	1.1	.4	3.2	.4	7	--	2.9	4.0	<.01	<.01	<.01	<.10
77-11-17	4.7	1.7	3.6	.5	21	4.2	2.7	2.0	<.01	<.01	<.01	.28
78-03-19	5.1	1.7	3.4	.4	24	3.0	1.8	2.0	.14	<.01	<.01	.31
77-11-21	3.2	1.4	3.3	.9	7	--	6.1	3.5	1.3	<.01	.02	<.10
78-03-27	5.0	1.6	6.0	1.0	10	E12	7.6	11	1.5	<.01	<.01	<.10
77-11-21	5.5	1.6	7.5	.9	11	--	9.2	12	1.0	<.01	<.01	<.10
78-03-27	3.4	1.3	5.3	.7	7	--	9.3	8.5	.51	<.01	<.01	<.10
77-12-11	10	3.5	13	2.2	14	--	15	13	6.4	<.01	<.01	<.10
78-04-04	9.9	3.0	12	2.0	18	E23	14	11	5.8	<.01	.24	<.10
77-11-21	23	7.2	9.6	1.7	14	E18	48	17	5.8	<.01	<.01	<.10
78-03-20	24	8.8	9.7	1.8	12	9.6	61	19	6.8	<.01	<.01	<.10
77-11-30	10	4.0	13	1.4	22	E22	9.9	15	5.1	<.01	.16	<.10
78-03-28	12	5.0	14	1.6	28	E44	10	16	5.2	<.01	<.01	<.10
77-11-08	4.4	1.3	4.5	.5	18	7.2	8.3	3.5	.94	<.01	.06	<.10
78-02-27	6.0	2.1	4.0	.6	22	5.8	5.4	4.0	.55	<.01	<.01	<.10
77-12-20	.6	.2	2.1	.3	6	--	3.0	2.5	<.01	<.01	<.01	<.10
78-03-30	.8	.2	2.1	.3	4	--	2.9	1.5	<.01	<.01	<.01	<.10
77-10-11	2.3	.8	4.2	.4	7	--	.9	4.5	1.3	<.01	<.01	<.10
78-02-22	2.3	.8	4.2	.4	9	--	2.0	5.0	1.3	<.01	<.01	<.10
77-12-17	2.1	.7	3.4	.4	8	--	4.3	3.0	<.01	<.01	<.01	<.10
78-03-30	15	4.0	10	2.0	22	E35	17	16	4.7	<.01	.15	<.10
77-10-12	3.7	.9	4.0	.4	12	E20	1.4	5.0	1.1	<.01	<.01	<.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

DATE OF SAMPLE	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
77-10-12	--	30	610	<10	--	20	<.02
78-02-22	<0	50	260	20	<.2	30	<.02
77-11-17	--	30	40	20	--	<10	<.02
78-03-19	<0	30	30	<10	<.2	30	<.02
77-11-21	--	60	70	10	--	110	<.02
78-03-27	<0	50	50	<10	<.2	20	<.02
77-11-21	--	50	<10	<10	--	30	<.02
78-03-27	<0	100	60	<10	<.2	80	<.02
77-12-11	--	30	<10	120	--	<20	.06
78-04-04	<0	20	100	120	<.2	180	<.02
77-11-21	--	80	30	10	--	20	<.02
78-03-20	<0	50	<10	<10	<.2	70	.02
77-11-30	--	60	<10	120	--	10	<.02
78-03-28	<0	50	30	200	<.2	<10	<.02
77-11-08	--	50	40	20	--	20	<.02
78-02-27	<0	30	60	<10	<.2	<10	<.02
77-12-20	--	20	270	<10	--	30	<.02
78-03-30	<0	<10	380	30	<.2	20	<.02
77-10-11	--	1000	40	20	--	20	<.02
78-02-22	<0	100	<10	<10	.9	<10	<.02
77-12-17	--	50	330	10	--	<10	<.02
78-03-30	<0	60	<10	120	<.2	<10	<.02
77-10-12	--	170	50	20	--	20	<.02

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	HARDNESS (MG/L AS CACO3)
404301073161901 S	19048 SCWA UNION ST	112GLCLU	77-12-29	731	33	4.3	<1	0	12
		112GLCLU	78-03-29	731	40	5.3	<1	0	3
405356073275801 S	19198 SCWA WEST NECK R	211LLYD	78-01-06	431	73	6.0	<1	0	25
404921073122701 S	19399 SCWA WHEELER RD.	112GLCLU	77-11-02	131	220	6.0	<1	0	55
		112GLCLU	78-03-08	131	220	6.0	<1	0	50
404953072583601 S	19408 SCWA RACE AVE. 2	112GLCLU	77-12-18	166	97	6.3	<1	0	32
		112GLCLU	78-04-03	166	92	6.3	<1	0	28
405443073064501 S	19465 SCWA DAN WEBSTER	112GLCLU	77-11-08	178	139	7.0	<1	0	64
		112GLCLU	78-03-01	178	104	6.5	<1	0	35
404550073104301 S	19565 SCWA BELLMORE AV	211MGTY	77-11-02	117	203	5.5	<1	0	69
		211MGTY	78-03-08	117	190	5.6	<1	0	64
404808073113301 S	19584 SCWA HALF MILE R	112GLCLU	78-03-12	155	54	6.2	<1	0	24
405129073071901 S	19884 SCWA SY CT #1	112GLCLU	77-11-27	288	115	6.2	<1	0	36
		112GLCLU	78-03-19	288	53	6.3	<1	1	13
405128073072001 S	19885 SCWA SY CT #2	112GLCLU	78-03-19	297	122	6.3	<1	0	32
404519073225101 S	20057 SCWA CIRCLE DR.	112GLCLU	77-10-09	200	37	5.4	<1	0	11
		112GLCLU	78-02-15	200	21	5.5	<1	0	4
404516073225101 S	20300 SCWA CIRCLE DR.	211MGTY	77-10-08	232	20	5.4	<1	0	9
404936073152501 S	20369 SCWA AUTUMN DR.	211MGTY	77-11-08	312	41	5.7	<1	0	21
		211MGTY	78-04-05	312	39	5.8	<1	0	9
404240073225002 S	20460 SCWA TENETY ST.	211MGTY	78-03-06	499	31	4.5	<1	0	4

DATE OF SAMPLE	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)
77-12-29	.8	.3	4.2	.5	6	--	2.6	4.5	<.01	<.01	<.01	3.5
78-03-29	1.1	.4	5.6	.5	6	--	3.0	3.5	<.01	<.01	<.01	3.5
78-01-06	4.3	1.8	5.9	.8	15	E23	4.2	4.5	1.4	<.01	<.01	<.10
77-11-02	14	3.7	19	2.7	26	E41	18	31	3.3	<.01	.80	<.10
78-03-08	16	4.2	19	2.8	22	E35	17	34	3.7	<.01	.74	<.10
77-12-18	8.2	2.7	7.4	1.0	20	E16	12	8.0	2.1	<.01	<.01	<.10
78-04-03	6.9	2.6	6.0	.8	22	E18	10	7.0	1.7	<.01	.29	<.10
77-11-08	15	4.0	6.1	.6	29	4.6	16	7.0	2.4	<.01	<.01	<.10
78-03-01	9.3	3.0	5.2	.6	19	9.6	10	7.0	1.8	<.01	<.01	<.10
77-11-02	17	3.7	10	5.1	9	--	40	13	5.1	<.01	.05	<.10
78-03-08	20	4.3	9.4	5.3	15	--	33	16	4.9	<.01	.04	<.10
78-03-12	4.6	1.4	3.8	.5	19	E19	1.4	2.5	.05	<.01	.02	<.10
77-11-27	6.6	2.5	7.7	.8	14	E14	6.6	8.0	3.1	.04	.04	<.10
78-03-19	4.2	1.3	4.3	.5	13	E10	4.8	4.5	.60	<.01	<.01	<.10
78-03-19	9.5	2.8	11	.8	20	E16	7.3	11	4.4	<.01	<.01	<.10
77-10-09	1.3	.3	2.8	.4	6	--	.6	4.5	.19	<.01	<.01	<.10
78-02-15	.9	.2	2.2	.3	6	--	.6	4.0	.08	<.01	<.01	<.10
77-10-08	1.2	.2	2.3	.3	6	--	.4	3.5	.04	<.01	<.01	<.10
77-11-08	2.1	.8	4.1	.4	10	--	.9	3.0	.81	<.01	<.01	<.10
78-04-05	2.4	.8	4.0	.4	10	--	1.2	5.5	.85	<.01	<.01	<.10
78-03-06	.9	.3	4.0	.4	5	--	2.0	3.5	<.01	<.01	.03	1.6

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

DATE OF SAMPLE	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
77-12-29	--	20	370	20	--	20	<.02
78-03-29	<0	<10	420	<10	<.2	20	<.02
78-01-06	<0	60	<10	10	<.2	<10	<.02
77-11-02	--	80	30	50	--	30	<.02
78-03-08	<0	90	30	40	.4	20	<.02
77-12-18	--	30	30	60	--	310	<.02
78-04-03	<0	20	<10	40	<.2	20	<.02
77-11-08	--	40	60	<10	--	30	<.02
78-03-01	<0	40	<10	<10	<.2	<10	<.02
77-11-02	--	70	<10	70	--	30	<.02
78-03-08	<0	70	30	60	<.2	30	<.02
78-03-12	<0	50	110	<10	.5	60	<.02
77-11-27	--	10	<10	50	--	<10	<.02
78-03-19	<0	<10	110	20	<.2	80	<.02
78-03-19	<0	<10	100	20	<.2	450	<.02
77-10-09	--	60	<10	<10	--	40	<.02
78-02-15	<0	50	20	<10	<.2	20	<.02
77-10-08	--	30	<10	<10	--	30	<.02
77-11-08	--	50	<10	<10	--	20	<.02
78-04-05	<0	80	50	<10	<.2	20	<.02
78-03-06	<0	70	300	30	.5	<10	<.02

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	HARDNESS (MG/L AS CACO3)
404547073104201	S 20479 SCWA BELLMORE AV	112GLCLU	77-11-02	128	185	6.0	<1	0	60
		112GLCLU	78-03-08	128	80	6.2	<1	0	22
405257073202901	S 20530 SCWA LAUREL HILL	112GLCLU	77-11-08	607	40	5.3	<1	0	11
		112GLCLU	78-01-18	607	38	5.5	<1	0	21
404317073153601	S 20566 SCWA N FIFTH AVE	211MGTY	78-06-07	775	26	5.1	<1	0	10
405256073045601	S 20591 SCWA HAWKINS RD.	112GLCLU	77-12-06	150	230	5.9	<1	0	54
404504073131701	S 20603 SCWA 41 ST	112GLCLU	77-11-15	110	175	5.2	<1	0	39
		112GLCLU	78-01-18	110	197	5.6	<1	0	52
404402073193201	S 20635 SCWA AUGUST RD	211MGTY	77-10-14	704	31	4.9	<1	1	15
		211MGTY	78-02-23	704	31	5.2	<1	0	9
404941072372207	S 20688 SCWA MEETING HOU	112GLCLU	77-11-21	78	75	6.0	<1	0	24
		112GLCLU	78-03-27	78	72	6.0	<1	0	22
405045073120401	S 20689 SCWA NEW YORK AV	211MGTY	77-11-13	596	58	6.2	<1	0	23
		211MGTY	78-03-12	596	52	6.3	<1	0	25
404158073212201	S 20955 SCWA ALBIN RD.	211MGTY	77-12-20	630	26	.4	<1	0	5
		211MGTY	78-04-02	630	27	5.2	<1	0	6
404304073162001	S 21244 SCWA UNION ST	211MGTY	77-12-21	602	35	5.7	<1	0	14
		211MGTY	78-04-02	602	42	5.6	<1	0	9
404717072595601	S 21247 SCWA BARTON AVE.	112GLCLU	77-10-11	145	112	6.1	<1	0	35
		112GLCLU	78-02-01	145	102	6.1	<1	0	37
404357073181601	S 21366 SCWA HARVEST LAN	211MGTY	77-12-17	455	31	6.0	<1	0	8
		211MGTY	78-04-03	455	34	6.0	<1	0	13

DATE OF SAMPLE	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)
77-11-02	17	3.9	7.9	3.6	14	E22	38	10	4.3	<.01	.04	<.10
78-03-08	7.1	1.4	5.2	1.2	15	E15	9.4	7.0	1.7	<.01	<.01	<.10
77-11-08	3.0	.7	3.7	.4	8	--	.9	3.0	1.1	<.01	<.01	<.10
78-01-18	1.8	.6	3.6	.4	6	--	.7	4.0	1.3	<.01	<.01	<.10
78-06-07	.8	.3	2.9	.3	4	--	2.9	2.5	.05	<.01	<.01	<.10
77-12-06	12	5.3	18	2.2	12	--	16	17	11	<.01	.02	<.10
77-11-15	10	2.8	13	2.4	14	--	26	16	4.3	<.01	.72	<.10
78-01-18	10	3.4	17	2.3	12	--	17	21	5.8	<.01	.67	<.10
77-10-14	1.3	.5	2.8	.4	4	--	4.1	3.5	<.01	<.01	<.01	<.01
78-02-23	1.5	.5	2.9	.4	8	--	4.2	4.0	<.01	<.01	<.01	<.10
77-11-21	4.7	2.0	4.9	.8	16	E25	8.2	5.0	1.0	<.01	<.01	<.10
78-03-27	6.0	2.0	4.9	.8	15	E24	9.3	6.5	.89	<.01	<.01	<.10
77-11-13	4.1	1.6	3.4	.5	21	E21	2.6	2.5	.07	<.01	<.01	<.10
78-03-12	3.7	1.6	3.1	.4	16	E12	3.1	2.5	.01	<.01	<.01	<.10
77-12-20	.7	.3	3.2	.3	6	--	2.8	3.0	<.01	<.01	<.01	1.2
78-04-02	3.9	.4	2.9	.4	10	--	3.9	3.0	.04	<.01	.28	.71
77-12-21	1.7	.9	3.5	.6	11	--	3.8	3.0	<.01	<.01	<.01	.33
78-04-02	2.2	1.0	3.6	.6	12	--	.9	3.5	<.01	<.01	<.01	.72
77-10-11	6.5	2.4	8.5	1.7	9	E11	11	10	3.1	<.01	<.01	<.10
78-02-01	6.1	2.3	7.1	1.5	9	E11	12	7.0	2.2	<.01	<.01	<.10
77-12-17	1.8	.6	3.6	.4	10	E16	2.5	4.0	<.01	<.01	<.01	.86
78-04-03	1.9	.6	4.4	.4	8	E12	1.2	2.5	.01	<.01	<.01	2.1

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

DATE OF SAMPLE	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
77-11-02	--	100	60	60	--	40	<.02
78-03-08	<0	50	40	60	<.2	20	<.02
77-11-08	--	140	<10	<10	--	10	<.02
78-01-18	<0	60	<10	10	.5	10	<.02
78-06-07	<0	110	90	<10	<.2	<10	<.02
77-12-06	--	130	<10	40	--	10	.03
77-11-15	--	110	30	520	--	40	<.02
78-01-18	<0	60	30	450	1.0	<10	.28
77-10-14	--	40	500	<10	--	10	<.02
78-02-23	<0	40	460	30	<.2	60	<.02
77-11-21	--	80	60	20	--	10	<.02
78-03-27	<0	140	70	30	<.2	90	<.02
77-11-13	--	30	100	<10	--	<10	<.02
78-03-12	<0	30	40	<10	2	<10	<.02
77-12-20	--	10	560	20	--	40	<.02
78-04-02	0	450	550	30	<.2	240	<.02
77-12-21	--	60	290	20	--	40	<.02
78-04-02	<0	30	300	40	<.2	<10	<.02
77-10-11	--	350	50	50	--	10	<.02
78-02-01	<0	90	<10	30	5	10	<.02
77-12-17	--	<10	440	20	--	30	<.02
78-04-03	<0	40	370	<10	<.2	<10	<.02

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	HARDNESS (MG/L AS CACO3)
404220073190302 S 21375	SCWA SMITH ST.	211MGTY	78-01-29	500	26	5.1	<1	1	8
404320073222401 S 21487	SCWA TWELFTH ST.	211MGTY	78-03-09	337	74	5.0	<1	0	7
405443073064502 S 21632	SCWA DAN WEBSTER	211MGTY	77-11-09	516	90	6.4	<1	0	41
		211MGTY	78-02-26	516	44	6.5	<1	0	17
405159073085501 S 21945	SCWA ASTOR AVE.	211MGTY	77-11-06	726	57	6.2	<1	0	27
		211MGTY	78-03-01	726	78	6.5	<1	1	45
405259073202801 S 22048	SCWA LAUREL HILL	112GLCLU	78-01-19	600	40	5.4	<1	0	17
404054073231801 S 22351	SCWA LAMBERT AVE	211MGTY	78-01-29	558	33	5.0	<1	0	10
404955073170401 S 22362	SCWA SCHUYLER DR	112GLCLU	77-12-13	314	98	6.5	<1	0	30
		112GLCLU	78-04-15	314	94	6.4	<1	0	38
404357073181502 S 22389	SCWA HARVEST LA.	211MGTY	77-12-17	465	34	6.2	<1	0	14
		211MGTY	78-04-04	465	41	5.6	<1	0	28
404922073162901 S 22471	SCWA WICKS RD. 1	211MGTY	77-12-19	383	49	5.7	<1	0	10
		211MGTY	78-04-16	383	52	5.9	<1	0	15
405155073045202 S 22547	SCWA EASTWOOD	112GLCLU	77-11-29	109	152	6.6	<1	0	39
		112GLCLU	78-03-20	109	95	6.4	<1	0	24
404705073190701 S 22548	SCWA PLYMOUTH ST	211MGTY	77-10-08	416	55	6.3	<1	0	19
		211MGTY	78-02-14	416	26	4.8	<1	0	18
405625073031801 S 22640	SCWA BELLE TERRE	211MGTY	78-03-14	453	185	6.8	<1	1	67

DATE OF SAMPLE	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)
78-01-29	.7	.4	3.8	.5	8	--	2.4	3.0	<.01	<.01	<.01	.67
78-03-09	1.9	.9	9.4	.5	7	--	5.1	12	<.01	<.01	.22	2.8
77-11-09	8.1	1.9	4.9	.5	25	E16	7.3	5.0	1.5	<.01	<.01	<.10
78-02-26	3.7	1.0	3.3	.4	11	5.5	2.6	4.0	.32	<.01	.06	<.10
77-11-06	3.7	1.5	4.4	.7	13	E13	8.9	3.0	<.01	<.01	<.01	<.10
78-03-01	6.8	2.7	4.6	.9	23	E11	7.5	3.5	.02	<.01	.05	<.10
78-01-19	2.6	.6	3.8	.5	6	--	1.5	4.5	1.4	<.01	<.01	<.10
78-01-29	1.7	.7	3.1	.4	8	--	6.6	3.5	.01	<.01	<.01	.30
77-12-13	7.3	2.6	6.1	.7	21	10	4.2	7.0	2.7	<.01	<.01	<.10
78-04-15	7.9	2.6	5.7	.6	22	E14	4.5	6.5	2.4	<.01	<.01	<.10
77-12-17	2.5	.7	3.2	.5	12	E14	2.6	3.5	<.01	<.01	<.01	.47
78-04-04	3.0	.8	4.2	.4	14	--	1.5	2.5	.01	<.01	<.01	1.9
77-12-19	2.5	.8	4.1	.5	8	--	.6	5.0	1.9	<.01	<.01	<.10
78-04-16	5.3	.9	4.1	.5	10	--	.6	7.0	1.9	<.01	<.01	<.10
77-11-29	8.3	2.0	14	1.2	22	8.8	10	17	2.0	.01	.04	<.10
78-03-20	8.2	2.0	9.7	1.1	17	E10	11	9.0	2.9	<.01	<.01	<.10
77-10-08	5.5	.6	3.2	.4	16	E13	1.5	4.0	.85	<.01	<.01	<.10
78-02-14	1.2	.3	2.8	.4	6	--	1.8	1.5	.60	<.01	.15	<.10
78-03-14	17	6.8	12	1.1	39	9.8	22	20	2.6	<.01	<.01	<.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

DATE OF SAMPLE	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
78-01-29	<0	30	0	0	<.2	20	<.02
78-03-09	<0	50	830	40	.4	40	<.02
77-11-09	--	30	70	<10	--	30	<.02
78-02-26	<0	40	<10	20	<.2	50	<.02
77-11-06	--	40	250	120	--	<10	<.02
78-03-01	<0	40	400	140	<.2	<10	<.02
78-01-19	<0	50	<10	<10	<.2	70	<.02
78-01-29	<0	50	360	20	<.2	60	<.02
77-12-13	--	50	40	20	--	20	<.02
78-04-15	<0	70	20	<10	<.2	20	<.02
77-12-17	--	20	630	40	--	60	<.02
78-04-04	<0	20	630	30	<.2	<10	<.02
77-12-19	--	70	<10	<10	--	<10	<.02
78-04-16	<0	90	20	20	<.2	150	<.02
77-11-29	--	220	230	50	--	20	<.02
78-03-20	<0	60	70	40	<.2	1130	<.02
77-10-08	--	260	130	20	--	<10	<.02
78-02-14	<0	210	70	<10	.4	<10	<.02
78-03-14	<0	30	40	<10	.4	20	<.02

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	HARDNESS (MG/L AS CACO3)
404632073070801 S	22711 SCWA LOCUST AVE.	112GLCLU	78-01-19	140	96	6.7	<1	0	36
404458073182501 S	23046 SCWA BROOK AVE	211MGTY	77-10-08	448	22	4.9	<1	0	3
		211MGTY	78-02-22	448	50	6.1	<1	0	18
404921073122702 S	23183 SCWA WHEELER RD.	211MGTY	77-11-02	341	61	6.8	<1	0	24
		211MGTY	78-03-08	341	69	6.6	<1	0	20
405124072353602 S	23184 SCWA SPINNEY RD.	112GLCLU	77-11-21	118	155	6.1	<1	0	53
		112GLCLU	78-03-27	118	170	6.7	<1	0	66
405607073072402 S	23185 SCWA MUD RD. 2	211MGTY	78-03-01	544	75	6.4	<1	0	35
405251073142801 S	23186 SCWA LAWRENCE RD	211MGTY	77-12-19	497	43	6.0	<1	0	10
		211MGTY	78-04-15	497	58	6.3	<1	0	16
405453073030301 S	23255 SCWA JAYNE BLVD.	211MGTY	77-11-02	487	87	6.8	<1	0	41
		211MGTY	78-03-01	487	53	6.6	<1	0	20
405336073202101 S	23371 SCWA CHURCH ST.	112GLCLU	78-01-18	474	94	6.0	<1	0	32
404942072591601 S	23440 SCWA BEECHNUT AV	112GLCLU	77-12-18	165	138	6.2	<1	0	38
		112GLCLU	78-04-02	165	150	6.1	<1	0	38
404659073164101 S	23445 SCWA EMJAY BLVD.	211MGTY	77-11-15	608	38	5.3	<1	0	8
		211MGTY	78-04-07	608	40	5.5	<1	0	6
405158073030001 S	23524 SCWA BOYLE RD	112GLCLU	77-11-16	446	41	6.0	<1	0	19
405047073120601 S	23631 SCWA NEW YORK AV	211MGTY	77-11-13	595	54	6.2	<1	0	25
		211MGTY	78-03-12	595	52	6.1	<1	1	19

DATE OF SAMPLE	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)
78-01-19	9.7	1.7	5.6	.7	26	8.2	4.5	5.5	1.1	<.01	<.01	<.10
77-10-08	.7	.3	2.2	.2	4	--	2.3	3.0	101	<.01	<.01	<.10
78-02-22	4.6	.8	4.1	.4	17	E21	4.5	4.5	<.01	<.01	<.01	.12
77-11-02	6.7	1.0	3.5	.4	30	7.6	1.7	3.5	.12	<.01	<.01	<.10
78-03-08	6.7	1.5	4.8	.5	24	9.6	4.2	6.5	.45	<.01	<.01	.06
77-11-21	11	5.4	7.2	1.3	11	E14	27	9.0	3.2	<.01	<.01	<.10
78-03-27	18	7.2	8.1	.8	23	7.3	30	12	4.1	<.01	<.01	<.10
78-03-01	6.9	1.6	4.9	.5	19	E12	5.0	5.5	.70	<.01	.03	<.10
77-12-19	5.1	.6	3.5	.4	10	E16	1.1	5.0	.49	<.01	<.01	<.10
78-04-15	4.5	.9	4.2	.3	13	E10	2.2	6.0	1.1	<.01	<.01	<.10
77-11-02	7.7	2.3	5.0	.5	18	4.5	9.4	5.0	1.4	<.01	.03	<.10
78-03-01	4.1	1.2	3.9	.4	14	5.6	2.8	4.5	.70	<.01	<.01	<.10
78-01-18	6.9	1.9	6.3	.8	10	E15	4.2	7.5	3.9	<.01	<.01	<.10
77-12-18	8.6	3.4	12	1.4	21	E21	14	12	4.1	<.01	<.01	<.10
78-04-02	10	3.6	12	1.5	21	E27	14	11	4.5	<.01	.22	<.10
77-11-15	1.8	.7	3.4	.3	8	--	.9	4.0	.80	<.01	<.01	<.10
78-04-07	1.9	.8	3.4	.3	6	--	1.8	4.5	.99	<.01	<.01	<.10
77-11-16	2.4	.8	3.8	.4	11	E18	1.4	3.5	.45	<.01	<.01	<.01
77-11-13	3.3	1.6	4.2	.5	17	E17	2.6	2.0	<.01	<.01	<.01	1.2
78-03-12	3.2	1.5	3.3	.5	17	E21	3.4	3.0	<.01	<.01	.02	<.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

DATE OF SAMPLE	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L, AS HG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
78-01-19	<0	40	50	20	<.2	<10	<.02
77-10-08	--	40	230	20	--	20	<.02
78-02-22	<0	30	100	<10	<.2	30	<.02
77-11-02	--	30	160	20	--	10	<.02
78-03-08	<0	40	200	30	.2	30	<.02
77-11-21	--	230	50	20	--	120	<.02
78-03-27	<0	170	80	20	<.2	30	<.02
78-03-01	1	60	30	20	.7	<10	<.02
77-12-19	--	80	60	20	--	580	<.02
78-04-15	<0	40	50	<1(	<.2	10	<.02
77-11-02	--	30	60	<10	--	40	<.02
78-03-01	<0	<10	<10	<10	<.2	<10	<.02
78-01-18	<0	100	<10	<10	<.2	<10	<.02
77-12-18	--	20	<10	70	--	20	<.02
78-04-02	<0	<10	40	80	<.2	60	<.02
77-11-15	--	20	<10	<10	--	<10	<.02
78-04-07	<0	40	30	<10	<.2	<10	<.02
77-11-16	--	30	60	<10	--	20	<.02
77-11-13	--	<10	940	20	--	<10	<.02
78-03-12	<0	20	530	20	.2	<10	<.02

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	HARDNESS (MG/L AS CACO3)
405309073223402 S 23699	SCWA MEADE DR.	112GLCLU	78-01-06	185	203	6.4	<1	0	67
404955073170402 S 23715	SCWA SCHUYLER DR	112GLCLU	77-12-15	313	133	6.7	<1	0	50
		112GLCLU	78-04-13	313	142	6.2	<1	0	45
404922073162701 S 23832	SCWA WICKS RD.	211MGTY	77-12-17	409	74	6.4	<1	0	27
		211MGTY	78-04-17	409	49	5.9	<1	0	13
404430073211301 S 23848	SCWA WYANDANCH A	211MGTY	77-10-12	634	26	5.8	<1	0	17
		211MGTY	78-02-24	634	37	6.3	<1	0	11
404806073100101 S 24047	SCWA NICOLL RD.	112GLCLU	77-11-08	134	165	6.1	<1	0	41
		112GLCLU	78-04-07	134	167	5.8	<1	0	38
405920072170301 S 24323	SCWA DIVISION ST	112GLCLU	77-10-17	174	65	6.3	<1	0	20
		112GLCLU	78-02-13	174	77	6.3	<1	0	24
405248073142901 S 24545	SCWA LAWRENCE RD	211MGTY	77-12-17	512	88	6.7	<1	0	25
		211MGTY	78-04-16	512	75	6.8	<1	0	25
405626073031701 S 24663	SCWA BELLE TERRE	211MGTY	78-03-02	460	207	6.9	<1	0	51
404459073182401 S 25617	SCWA BROOK AVE.	211MGTY	78-02-14	440	25	4.7	<1	0	10
404431073211401 S 25674	SCWA WYANDANCH A	211MGTY	77-10-18	625	35	6.0	<1	0	31
		211MGTY	78-02-22	625	54	6.4	<1	0	18
405306073175201 S 25776	SCWA GUN CLUB RD	211MGTY	78-02-28	587	44	6.3	<1	0	16
404505073131701 S 26490	SCWA 41 ST.	112GLCLU	77-11-15	112	185	5.4	<1	0	39
		112GLCLU	78-03-20	112	160	5.9	<1	0	34

DATE OF SAMPLE	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)
78-01-06	16	5.9	12	1.1	25	E15	18	16	5.9	<.01	<.01	<.10
77-12-15	13	2.5	7.7	.7	30	9.5	4.5	7.5	3.9	<.01	<.01	<.10
78-04-13	13	3.9	9.0	.7	28	E28	6.6	11	4.7	<.01	<.01	<.10
77-12-17	7.0	.9	4.7	.5	21	E13	1.3	6.0	1.6	<.01	<.01	<.10
78-04-17	2.8	.7	4.4	.4	10	--	.8	5.0	1.5	<.01	<.01	<.10
77-10-12	1.8	.2	2.1	.2	8	--	1.3	3.0	<.01	<.01	<101	<.10
78-02-24	4.3	.3	3.2	.2	12	E10	1.5	3.0	.03	<.01	<.01	1.3
77-11-08	10	3.6	13	1.3	18	E23	8.4	19	4.6	<.01	<.01	<.10
78-04-07	9.1	4.1	14	1.4	16	--	9.3	20	5.3	<.01	<.01	<.10
77-10-17	3.7	1.4	6.5	.5	18	E14	5.5	6.0	<.01	<.01	<.01	<.10
78-02-13	2.8	1.1	6.5	.4	15	E11	5.5	7.5	<.01	<.01	<.01	<.10
77-12-17	7.6	1.1	5.4	.5	20	6.4	1.3	10	1.2	<.01	<.01	<.10
78-04-16	11	1.1	4.5	.4	21	5.3	2.1	6.0	.80	<.01	<.01	<.10
78-03-02	15	6.8	10	1.1	38	7.6	18	16	3.8	<.01	.05	<.10
78-02-14	1.0	.5	2.4	.3	4	--	4.3	2.0	<.01	<.01	<.01	<.10
77-10-18	3.7	.3	2.7	.2	11	E17	1.8	3.0	<.01	<.01	<.01	.14
78-02-22	5.4	.3	3.6	.3	16	E10	1.0	3.5	<.01	<.01	<.01	1.6
78-02-28	3.4	.9	3.4	.5	11	8.8	1.2	4.0	.82	<.01	.07	<.10
77-11-15	9.2	4.1	16	1.9	15	--	16	16	7.1	<.01	.20	<.10
78-03-20	9.0	4.1	18	1.6	16	--	15	14	7.0	<.01	.18	<.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

DATE OF SAMPLE	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
78-01-06	<0	50	<10	<10	<.2	<10	<.02
77-12-15	--	50	<10	<10	--	20	<.02
78-04-13	<0	70	<10	<10	<.2	20	<.02
77-12-17	--	50	100	20	--	20	<.02
78-04-17	<0	140	50	20	<.2	<10	<.02
77-10-12	--	50	40	<10	--	20	<.02
78-02-24	<0	50	140	20	.2	30	<.02
77-11-08	--	110	50	20	--	30	<.02
78-04-07	<0	80	<10	20	<.2	<10	.05
77-10-17	--	30	<10	20	--	30	<.02
78-02-13	<0	20	<10	<10	<.2	<10	<.02
77-12-17	--	60	50	20	--	<10	<.02
78-04-16	<0	50	20	20	<.2	570	<.02
78-03-02	<0	30	<10	<10	<.2	30	<.02
78-02-14	<0	50	190	10	<.2	30	<.02
77-10-18	--	80	90	<10	--	40	<.02
78-02-22	<0	100	70	20	<.2	40	<.02
78-02-28	<0	<10	50	10	<.2	60	<.02
77-11-15	--	60	30	210	--	40	.33
78-03-20	<0	90	50	170	<.2	20	.33

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	HARDNESS (MG/L AS CACO3)
404318073153801 S 26535	SCWA NO. FIFTH AV	211MGTY	78-05-05	776	26	5.5	<1	0	2
405134073235602 S 27070	SCWA BROADWAY	112GLCLU	78-01-08	560	66	6.5	<1	0	22
405301073153202 S 27192	SCWA CARLSON AVE	211MGTY	77-12-13	474	83	6.4	<1	0	24
		211MGTY	78-04-18	474	25	5.9	<1	0	12
405609072581001 S 27261	SCWA HARRISON AV	112GLCLU	78-03-02	167	162	5.9	<1	0	56
404547073104202 S 27533	SCWA BELLMORE AV	211MGTY	77-11-02	307	41	6.1	<1	0	19
		211MGTY	78-03-08	307	42	5.9	<1	0	14
405336073074001 S 27784	SCWA OXHEAD RD.	211MGTY	77-11-02	264	78	6.5	<1	0	35
		211MGTY	78-02-26	264	81	6.5	<1	0	28
404452073033002 S 28408	SCWA LAKEVIEW AV	211MGTY	78-07-28	341	44	6.3	<1	1	20
404318073201901 S 28503	SCWA LAFAYETTE R	211MGTY	77-12-04	676	37	5.8	<1	1	23
		211MGTY	78-04-04	676	23	5.1	<1	0	13
404717072595602 S 28767	SCWA BARTON AVE.	211MGTY	77-10-11	139	52	6.4	<1	0	30
		211MGTY	78-02-01	139	102	5.9	<1	0	33
404912073033301 S 28819	SCWA MORRIS AVE.	112GLCLU	77-12-11	245	113	6.4	<1	0	35
		112GLCLU	78-03-26	245	91	6.8	<1	0	27
405414072232701 S 28928	SCWA LONG SPRING	112GLCLU	77-11-21	110	420	6.1	<1	0	161
		112GLCLU	78-03-27	110	405	6.0	<1	0	168
405445073064801 S 29411	SCWA DAN WEBSTER	211MGTY	77-11-03	553	47	6.3	<1	0	30
		211MGTY	78-02-27	553	35	6.0	<1	0	19

DATE OF SAMPLE	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)
78-05-05	1.1	.4	2.9	.4	4	--	2.8	1.5	.02	<.01	<.01	<.10
78-01-08	4.2	1.5	5.2	.5	19	9.6	.5	3.5	1.5	<.01	<.01	<.10
77-12-13	6.9	1.6	5.4	.6	16	E10	4.4	7.0	1.8	<.01	<.01	<.10
78-04-18	2.0	.3	2.8	.3	6	--	.5	3.0	.11	<.01	<.01	<.10
78-03-02	11	5.4	7.7	.8	13	--	20	11	5.0	.06	.12	<.10
77-11-02	2.2	.8	3.6	.3	12	E15	2.1	3.0	.32	<.01	.04	<.10
78-03-08	2.7	1.0	3.7	.4	12	--	2.9	5.0	.48	<.01	<.01	<.10
77-11-02	5.5	2.0	5.3	.5	14	7.0	3.3	6.0	2.7	<.01	<.01	<.10
78-02-26	5.6	2.0	5.4	.5	13	6.5	3.1	7.5	3.1	<.01	<.01	<.10
78-07-28	3.2	1.2	3.3	.5	16	E12	2.8	2.0	<.01	<.01	<.01	.14
77-12-04	3.6	.3	3.4	.2	11	--	1.9	3.5	.05	<.01	<.01	1.4
78-04-04	1.2	.3	2.2	.2	6	--	2.1	2.0	.07	<.01	.27	.26
77-10-11	4.5	1.1	3.6	.4	18	E11	2.2	2.5	.16	<.01	<.01	<.10
78-02-01	6.2	2.6	7.4	1.2	11	--	9.2	9.0	2.7	<.01	<.01	<.10
77-12-11	7.1	2.5	8.5	.7	20	E12	7.8	8.5	1.9	<.01	.01	<.10
78-03-26	10	2.1	6.9	.6	20	5.0	7.9	8.5	1.5	<.01	<.01	.13
77-11-21	43	10	12	1.7	17	E21	103	25	7.8	<.01	<.01	<.10
78-03-27	46	11	12	1.8	11	E17	105	27	8.7	<.01	<.01	<.10
77-11-03	3.8	1.3	3.6	.4	14	E11	4.0	2.5	.44	<.01	.07	<.10
78-02-27	2.2	.7	3.0	.4	10	E15	1.8	2.5	.05	<.01	.03	<.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

DATE OF SAMPLE	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
78-05-05	<0	120	230	<10	<.2	30	<.02
78-01-08	<0	30	<10	<10	.2	<10	<.02
77-12-13	--	40	30	<10	--	<10	<.02
78-04-18	<0	40	20	10	<.2	90	<.02
78-03-02	<0	50	50	<10	<.2	50	.04
77-11-02	--	100	4000	<10	--	20	<.02
78-03-08	<0	60	70	<10	<.2	20	<.02
77-11-02	--	50	30	<10	--	30	<.02
78-02-26	<0	<10	<10	<10	<.2	20	<.02
78-07-28	--	10	450	30	--	10	<.02
77-12-04	--	30	120	<10	--	10	<.02
78-04-04	<0	50	200	<10	<.2	<10	<.02
77-10-11	--	140	270	<10	--	10	<.02
78-02-01	<0	90	30	30	.9	20	<.02
77-12-11	--	50	<10	10	--	<10	<.02
78-03-26	1	30	60	40	<.2	1460	<.02
77-11-21	--	90	60	<10	--	20	<.02
78-03-27	<0	70	20	<10	<.2	30	.02
77-11-03	--	60	<10	<10	--	30	<.02
78-02-27	<0	40	<10	<10	<.2	10	<.02

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	HARDNESS (MG/L AS CACO3)
404120073221601 S 29491	SCWA N. FIFTH ST	211MGTY	78-01-29	499	34	5.4	<1	0	15
404912073033302 S 29492	SCWA MORRIS AVE.	112GLCLU	77-12-11	234	175	7.1	<1	0	60
		112GLCLU	78-03-26	234	118	6.2	<1	0	38
405336073074002 S 29732	SCWA OXHEAD RD.	211MGTY	77-11-06	565	33	6.0	<1	0	18
		211MGTY	78-02-28	565	34	5.7	<1	0	15
405652072590001 S 30088	SCWA N. COUNTRY	112GLCLU	78-01-31	283	167	6.4	<1	0	64
404914073095601 S 30117	SCWA LIBERTY ST.	112GLCLU	77-11-08	118	87	6.0	<1	0	42
		112GLCLU	78-04-08	118	82	6.0	<1	0	25
404914073095602 S 30118	SCWA LIBERTY ST.	112GLCLU	77-11-08	192	87	6.0	<1	0	42
		112GLCLU	78-04-15	192	74	6.6	<1	0	26
410321071564501 S 30207	SCWA FLANDERS RD	112GLCLU	77-11-22	177	122	6.6	<1	0	29
		112GLCLU	78-03-28	177	117	6.6	<1	0	26
410327071565201 S 30208	SCWA FLANDERS RD	112GLCLU	77-11-22	178	120	6.9	<1	0	28
		112GLCLU	78-03-28	178	112	6.5	<1	0	25
405900072063801 S 30227	SCWA CROSS HWY	112GLCLU	77-10-19	151	122	6.7	<1	0	27
		112GLCLU	78-02-14	151	115	6.5	<1	0	24
404754073132601 S 30234	SCWA COMMERCIAL	112GLCLU	77-11-08	153	100	6.2	<1	0	34
		112GLCLU	78-04-10	153	98	5.6	<1	0	27
404515073225501 S 30506	SCWA CIRCLE DR.	211MGTY	77-10-12	621	33	6.0	<1	0	15
		211MGTY	78-03-01	621	18	5.6	<1	0	3

DATE OF SAMPLE	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)
78-01-29	1.4	1.0	3.9	.4	12	--	4.5	2.0	<.01	<.01	<.01	.92
77-12-11	14	3.8	10	.8	35	4.4	9.4	18	1.7	<.01	<.01	<.10
78-03-26	9.1	3.9	7.0	.7	15	E15	16	9.0	3.2	<.01	<.01	<.10
77-11-06	1.9	.6	3.2	.3	10	E16	2.1	2.0	.05	<.01	<.01	<.10
78-02-28	2.1	.7	3.1	.3	10	--	1.9	3.0	.09	<.01	<.01	<.10
78-01-31	13	6.2	6.1	.6	12	7.6	29	9.5	4.0	<.01	<.01	<.10
77-11-08	6.9	2.7	5.2	.5	20	E31	7.8	5.5	1.0	<.01	<.01	<.10
78-04-08	6.5	2.4	4.9	.5	20	E32	8.8	6.5	1.1	<.01	<.01	<.10
77-11-08	6.9	2.7	5.2	.5	20	E31	7.8	5.5	1.0	<.01	<.01	<.10
78-04-15	6.1	2.3	4.7	.4	21	8.4	4.6	6.5	1.4	<.01	<.01	<.10
77-11-22	6.2	2.9	13	1.1	21	8.4	7.4	21	.41	<.01	<.01	<.10
78-03-28	5.3	2.3	12	1.1	19	7.6	7.2	16	.70	<.01	<.01	<.10
77-11-22	5.6	3.0	13	1.1	18	3.6	7.4	23	.43	<.01	<.01	<.10
78-03-28	4.9	2.4	12	1.1	17	8.6	8.5	15	.54	<.01	<.01	<.10
77-10-19	4.3	2.5	14	.7	21	6.6	6.3	21	.10	<.01	<.01	<.10
78-02-14	4.2	2.4	13	.7	15	7.5	7.0	20	.07	<.01	<.01	<.10
77-11-08	5.9	2.6	8.1	.7	14	E14	4.9	8.5	3.2	<.01	<.01	<.10
78-04-10	6.4	2.4	8.1	.8	16	--	6.2	10	3.1	<.01	<.01	<.10
77-10-12	2.8	.3	2.9	.3	10	E15	1.3	3.5	.11	<.01	<.01	<.10
78-03-01	1.1	.2	2.2	.2	6	--	.9	3.0	<.01	<.01	<.01	<.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

DATE OF SAMPLE	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
78-01-29	<0	<10	300	<10	<.2	20	<.02
77-12-11	--	60	60	<10	--	10	<.02
78-03-26	<0	70	<10	<10	<.2	20	<.02
77-11-06	--	60	60	<10	--	20	<.02
78-02-28	<0	30	60	<10	<.2	30	<.02
78-01-31	<0	50	<10	<10	.6	40	<.02
77-11-08	--	70	<10	<10	--	<10	<.02
78-04-08	<0	50	<10	<10	<.2	<10	<.02
77-11-08	--	70	<0	<0	--	<10	<.02
78-04-15	<0	50	<10	<10	<.2	<10	<.02
77-11-22	--	30	30	20	--	50	<.02
78-03-28	<0	<10	<10	<10	<.2	<10	<.02
77-11-22	--	20	<10	<10	--	20	<.02
78-03-28	<0	50	<10	<10	<.2	<10	<.02
77-10-19	--	<10	<10	<10	--	10	<.02
78-02-14	<0	10	30	<10	<.2	20	<.02
77-11-08	--	50	<10	20	--	10	<.02
78-04-10	<0	110	<10	<10	<.2	610	<.02
77-10-12	--	70	30	<10	--	<10	<.02
78-03-01	<0	50	50	<10	.5	30	<.02

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	HARDNESS (MG/L AS CACO3)
405336073202301	S 30762 SCWA CHURCH ST.	112GLCLU	78-01-18	479	110	5.8	<1	0	38
405411072232901	S 31037 SCWA LONG SPRING	211MGTY	77-11-21	287	126	6.2	<1	0	25
		211MGTY	78-03-27	287	117	6.3	<1	0	25
404155073212205	S 31038 SCWA ALBIN RD.	211MGTY	77-12-28	529	28	4.5	<1	0	12
		211MGTY	78-03-30	529	27	5.3	<1	0	15
405253073263401	S 31039 SCWA MAYFAIR DR.	211LLYD	78-01-07	342	54	6.3	<1	0	22
404703073164401	S 31104 SCWA EMJAY BLVD.	211MGTY	77-11-16	660	45	5.1	<1	0	11
		211MGTY	78-04-10	660	46	5.6	<1	0	12
404754073132602	S 31624 SCWA COMMERCIAL	211MGTY	77-11-14	439	38	5.8	<1	0	9
		211MGTY	78-04-07	439	34	6.1	<1	0	7
405838072114201	S 31653 SCWA OAKVIEW RD.	211MGTY	78-03-28	466	134	6.0	<1	0	33
404616073035701	S 31913 SCWA CHURCH ST. 2	112GLCLU	78-01-26	160	91	5.7	<1	0	20
405512073010501	S 32180 SCWA WHEAT PATH	211MGTY	78-02-26	348	65	6.4	<1	0	29
405143073105802	S 32287 SCWA HURTIN BLVD	211MGTY	77-11-02	290	125	7.0	<1	0	54
		211MGTY	78-03-07	290	88	6.8	<1	1	33
405354073021201	S 32325 SCWA BICYCLE PAT	112GLCLU	77-11-02	160	68	7.5	<1	0	40
		112GLCLU	78-02-28	160	67	7.2	<1	0	31
405351073021201	S 32326 SCWA BICYCLE PAT	112GLCLU	77-11-07	354	65	5.8	<1	0	28
		112GLCLU	78-02-27	354	98	7.1	<1	0	42
404046073252101	S 32501 SCWA GREENE AVE.	211MGTY	78-03-07	631	71	6.0	<1	0	18
405030073032101	S 32551 SCWA COLLEGE RD.	112GLCLU	77-11-15	245	108	6.4	<1	0	38
		112GLCLU	78-03-17	245	185	6.5	<1	0	50
405030073032102	S 32552 SCWA COLLEGE RD.	112GLCLU	77-11-15	243	88	6.5	<1	0	29
		112GLCLU	78-03-18	243	151	6.4	<1	0	46

DATE OF SAMPLE	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)
78-01-18	7.0	2.4	6.9	.8	7	--	6.5	9.0	4.3	<.01	<.01	<.10
77-11-21	6.0	2.3	10	.6	17	E17	4.0	22	.26	<.01	<.01	<.10
78-03-27	7.1	2.5	10	.6	13	E10	5.2	22	.34	<.01	.10	<.10
77-12-28	.9	.5	3.6	.4	7	--	2.0	3.0	<.01	<.01	<.01	1.8
78-03-30	1.9	.5	2.9	.4	7	--	3.9	3.0	.02	<.01	.17	.55
78-01-07	3.2	1.2	4.4	.6	12	9.6	.7	3.5	1.3	<.01	<.01	<.10
77-11-16	2.2	1.0	4.0	.4	7	--	.9	4.5	1.7	<.01	<.01	<.10
78-04-10	2.3	1.0	3.9	.3	8	--	2.0	5.0	1.8	<.01	<.01	<.10
77-11-14	2.2	.7	3.5	.3	10	--	.9	2.5	.53	<.01	<.01	<.10
78-04-07	2.3	.7	3.4	.3	10	E13	1.9	5.0	.61	<.01	<.01	<.10
78-03-28	7.4	2.9	13	.6	11	E17	7.0	27	<.01	<.01	<.01	<.10
78-01-26	5.2	1.7	8.8	1.2	14	--	8.8	10	1.6	<.01	.04	<.10
78-02-26	4.3	1.2	5.4	.4	16	E10	3.4	6.5	.99	<.01	<.01	<.10
77-11-02	11	4.7	6.3	.9	35	5.6	7.9	8.0	1.4	<.01	<.01	.14
78-03-07	8.8	3.4	4.6	.7	30	7.6	5.6	6.5	.80	<.01	<.01	.11
77-11-02	6.9	2.2	3.9	.5	27	1.4	2.5	2.5	.11	<.01	<.01	.23
78-02-28	6.5	2.0	3.6	.5	27	2.7	2.6	2.5	.09	<.01	.03	.19
77-11-07	3.1	1.6	5.5	.7	9	--	7.7	5.5	.69	<.01	<.01	<.10
78-02-27	9.4	2.7	4.5	.7	23	2.9	10	5.0	1.3	<.01	<.01	.12
78-03-07	6.3	.7	6.6	.5	15	E24	3.3	9.0	<.01	<.01	<.01	2.2
77-11-15	7.6	2.6	8.1	.8	27	E17	5.5	11	1.1	<.01	<.01	.14
78-03-17	14	5.5	17	1.1	24	E12	11	32	2.5	<.01	<.01	<.10
77-11-15	7.7	2.1	5.4	.7	27	E14	4.1	6.0	.94	<.01	<.01	.12
78-03-18	13	5.1	13	.8	26	E17	10	23	2.8	<.01	<.01	<.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

DATE OF SAMPLE	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
78-01-18	<0	60	<10	<10	<.2	<10	<.02
77-11-21	--	30	160	20	--	60	<.02
78-03-27	<0	20	60	20	<.2	70	<.02
77-12-28	--	<10	390	10	--	20	<.02
78-03-30	<0	40	350	20	<.2	50	<.02
78-01-07	<0	50	<10	<10	.4	<10	<.02
77-11-16	--	30	60	<10	--	20	<.02
78-04-10	<0	70	40	20	<.2	<10	<.02
77-11-14	--	<10	<10	<10	--	<10	<.02
78-04-07	<0	40	<10	<10	<.2	20	<.02
78-03-28	<0	80	580	40	<.2	60	<.02
78-01-26	<0	70	30	470	<.2	20	<.02
78-02-26	<0	260	<10	<10	.5	20	<.02
77-11-02	--	60	40	<10	--	20	<.02
78-03-07	<0	60	70	20	<.2	<10	<.02
77-11-02	--	30	<10	<10	--	<10	<.02
78-02-28	<0	<10	<10	<10	<.2	20	<.02
77-11-07	--	50	<10	<10	--	<10	<.02
78-02-27	<0	<10	<10	<10	<.2	<10	<.02
78-03-07	<0	<10	260	40	<.2	<10	<.02
77-11-15	--	40	70	20	--	30	<.02
78-03-17	<0	90	40	<10	<.2	40	<.02
77-11-15	--	60	60	30	--	60	<.02
78-03-18	<0	30	140	<10	<.2	30	<.02

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	HARDNESS (MG/L AS CACO3)
404317073201801	S 33005 SCWA LAFAYETTE R	211MGTY	77-12-20	674	26	5.3	<1	0	10
		211MGTY	78-04-04	674	24	5.6	<1	0	12
404808073100101	S 33308 SCWA NICOLL RD.	211MGTY	77-11-12	132	162	5.9	<1	0	42
		211MGTY	78-04-08	132	174	5.8	<1	0	50
405336073073601	S 33500 SCWA OXHEAD RD.	211MGTY	77-11-07	551	52	6.1	<1	0	30
		211MGTY	78-03-01	551	31	6.0	<1	1	17
405415073204801	S 33820 SCWA DOUGLAS AVE	211MGTY	78-01-11	408	235	7.0	<1	0	105
404738072565401	S 33826 SCWA STATION RD.	112GLCLU	77-10-17	163	93	6.0	<1	0	23
		112GLCLU	78-02-03	163	89	6.9	<1	0	39
405257073202902	S 33970 SCWA LAUREL HILL	112GLCLU	78-01-19	609	39	5.5	<1	0	8
405512073010502	S 34007 SCWA WHEAT PATH	211MGTY	77-11-02	345	93	6.5	<1	0	30
		211MGTY	78-03-02	345	85	6.7	<1	0	28
404536073210801	S 34030 SCWA ADAMS AVE.	211MGTY	78-02-24	538	41	6.4	<1	0	12
404534073210801	S 34031 SCWA ADAMS AVE.	211MGTY	77-10-12	515	23	5.2	<1	0	4
		211MGTY	78-03-21	515	22	5.2	<1	0	4
405615073051501	S 34300 SCWA SHERRY DR.	211MGTY	77-10-02	451	49	6.1	<1	0	15
		211MGTY	78-02-16	451	35	6.0	<1	0	13
405613073051501	S 34301 SCWA SHERRY DR.	211MGTY	78-01-26	536	26	5.4	<1	0	7

DATE OF SAMPLE	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)
77-12-20	1.4	.3	2.3	.2	6	--	--	2.5	<.01	<.01	<.01	<.10
78-04-04	1.3	.3	2.2	.2	7	--	2.5	2.5	.04	<.01	.18	<.10
77-11-12	9.9	4.1	13	1.4	20	--	7.5	20	4.8	<.01	<.01	<.10
78-04-08	9.9	4.6	14	1.4	17	--	8.0	21	5.8	<.01	<.01	<.10
77-11-07	4.0	.9	3.4	.3	13	E16	3.1	3.5	.83	<.01	<.01	<.10
78-03-01	1.7	.6	3.1	.3	10	E15	1.5	3.0	.04	<.01	<.01	<.10
78-01-11	22	8.2	11	1.6	65	E10	16	15	4.4	<.01	<.01	.35
77-10-17	3.9	2.6	8.7	.5	10	E16	5.9	18	.53	<.01	<.01	<.10
78-02-03	8.7	1.4	6.0	.5	22	4.4	7.2	6.0	.49	<.01	<.01	1.5
78-01-19	2.0	.6	3.8	.4	6	--	.7	2.5	1.5	<.01	<.01	<.10
77-11-02	7.6	2.0	6.5	.5	21	E10	4.3	7.0	2.2	<.01	<.01	<.10
78-03-02	6.1	1.6	5.7	.4	16	5.1	3.5	8.0	2.0	<.01	<.01	<.10
78-02-24	4.4	.2	2.4	.2	12	7.6	1.1	3.0	.14	<.01	<.01	.10
77-10-12	.5	.2	3.0	.3	4	--	1.7	2.0	.12	<.01	<.01	<.10
78-03-21	.9	.2	2.9	.3	4	--	1.3	3.5	.14	<.01	<.01	<.10
77-10-02	5.6	1.1	4.5	.5	15	E19	2.0	5.0	.31	<.01	<.01	<.10
78-02-16	2.3	.8	3.4	.3	11	E18	2.2	4.5	.07	<.01	<.01	<.10
78-01-26	3.2	.6	3.3	.3	10	--	1.2	3.5	.04	<.01	<.01	<.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

DATE OF SAMPLE	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
77-12-20	--	30	110	<10	--	30	<.02
78-04-04	<0	30	200	20	<.2	<10	<.02
77-11-12	--	90	40	50	--	30	<.02
78-04-08	<0	30	20	30	<.2	<10	.06
77-11-07	--	50	40	<10	--	<10	<.02
78-03-01	<0	100	100	<10	<.2	<10	<.02
78-01-11	<0	40	50	<10	<.2	10	<.02
77-10-17	--	30	<10	<10	--	20	<.02
78-02-03	<0	<10	<10	<10	<.2	<10	<.02
78-01-19	<0	130	40	10	<.2	20	<.02
77-11-02	--	140	50	<10	--	30	<.02
78-03-02	<0	100	70	<10	<.2	30	<.02
78-02-24	<0	70	20	<10	<.2	<10	<.02
77-10-12	--	60	80	<10	--	30	<.02
78-03-21	1	40	250	10	<.2	--	<.02
77-10-02	--	40	150	20	--	370	<.02
78-02-16	<0	80	30	20	<.2	20	<.02
78-01-26	<0	50	<10	<10	<.2	20	<.02

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	HARDNESS (MG/L AS CACO3)
405246073142801	S 34460 SCWA LAWRENCE RD	211MGTY	77-12-15	602	32	6.0	<1	0	14
		211MGTY	78-04-13	602	31	6.0	<1	0	6
404631073071001	S 34522 SCWA LOCUST AVE.	112GLCLU	78-01-18	149	86	6.8	<1	0	31
404203073242202	S 34595 SCWA ALBANY AVE.	211MGTY	78-03-05	482	31	5.0	<1	0	5
405143073105801	S 34733 SCWA HURTIN BLVD	211MGTY	77-11-06	421	43	6.4	<1	0	26
		211MGTY	78-02-27	421	43	6.2	<1	0	21
404512073112201	S 35033 SCWA FISHER AVE.	211MGTY	77-11-13	317	47	5.6	<1	0	12
		211MGTY	78-03-12	317	52	5.9	<1	0	26
405336073073602	S 35446 SCWA OXHEAD RD.	211MGTY	77-11-03	345	47	6.5	<1	0	24
		211MGTY	78-02-27	345	46	6.4	<1	0	18
405155073045201	S 35494 SCWA EASTWOOD BL	112GLCLU	77-11-29	429	65	7.1	<1	0	34
		112GLCLU	78-03-20	429	55	7.1	<1	0	24
405140073190801	S 35939 SCWA LARKFIELD R	211MGTY	77-11-22	533	61	6.0	<1	0	13
		211MGTY	78-01-19	533	57	6.3	<1	0	25
405445073063801	S 36166 SCWA DAN WEBSTER	211MGTY	77-11-02	433	34	6.0	<1	0	21
		211MGTY	78-02-28	433	112	6.4	<1	0	42
405434073194201	S 36185 SCWA WATERSIDE R	112GLCLU	78-01-11	111	210	6.2	<1	0	42
405409073061401	S 36459 SCWA STEM LA. 2	211MGTY	77-11-08	522	51	6.1	<1	0	28
		211MGTY	78-02-26	522	51	6.3	<1	0	19
404627073070901	S 36460 SCWA LOCUST AVE.	211MGTY	77-12-18	611	36	5.7	<1	0	8
		211MGTY	78-04-04	611	34	6.2	<1	0	10

DATE OF SAMPLE	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)
77-12-15	1.9	.5	2.9	.3	9	E14	1.1	3.5	.24	<.01	<.01	<.10
78-04-13	2.6	.5	2.9	.3	8	E13	1.8	4.0	.26	<.01	<.01	<.10
78-01-18	9.1	1.3	4.8	.5	25	E39	3.3	6.0	.93	<.01	<.01	<.10
78-03-05	1.2	.5	2.6	.4	5	--	5.3	4.0	<.01	<.01	<.01	<.10
77-11-06	3.1	1.2	3.3	.4	16	E10	2.9	2.5	.05	<.01	<.01	<.10
78-02-27	2.8	1.1	3.2	.4	11	E11	5.1	3.0	<.01	<.01	<.01	<.10
77-11-13	2.5	1.0	4.4	.5	12	--	1.2	5.5	.47	<.01	<.01	<.10
78-03-12	2.8	1.1	4.5	.5	11	--	1.3	5.5	.53	<.01	.02	<.10
77-11-03	3.2	1.1	3.8	.4	12	6.0	2.0	3.5	.92	<.01	<.01	<.10
78-02-27	3.1	1.0	3.7	.4	12	7.6	1.4	3.5	.85	<.01	<.01	<.10
77-11-29	5.6	1.9	4.1	.4	25	3.2	3.0	3.0	.03	<.01	.02	<.10
78-03-20	5.3	1.7	3.9	.4	24	3.0	2.6	3.0	.12	<.01	<.01	<.10
77-11-22	3.3	1.1	4.6	.6	7	E11	.5	6.5	2.5	<.01	<.01	<.10
78-01-19	4.1	.9	4.1	.6	10	8.0	.4	5.0	2.0	<.01	<.01	<.10
77-11-02	2.0	.7	3.3	.3	11	E17	1.5	3.0	.13	<.01	<.01	<.10
78-02-28	11	3.3	5.3	.6	20	E12	13	7.0	2.0	<.01	<.01	<.10
78-01-11	19	6.8	12	1.7	34	E34	15	18	6.7	<.01	<.01	<.10
77-11-08	3.5	1.2	4.6	.5	15	E18	1.3	3.5	.73	<.01	<.01	<.10
78-02-26	3.1	1.1	4.5	.4	14	E11	1.1	5.5	.80	<.01	<.01	<.10
77-12-18	1.7	.7	2.9	.3	8	--	5.1	4.0	.05	<.01	.05	<.10
78-04-04	2.8	.8	2.8	.3	6	6.0	5.8	2.5	.04	<.01	<.01	<.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

DATE OF SAMPLE	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
77-12-15	--	40	50	<10	--	<10	<.02
78-04-13	<0	40	50	<10	<.2	90	<.02
78-01-18	<0	20	<10	<10	<.2	<10	<.02
78-03-05	<0	140	200	10	--	<10	<.02
77-11-06	--	80	50	<10	--	20	<.02
78-02-27	<0	80	90	<10	<.2	<10	<.02
77-11-13	--	80	80	20	--	10	<.02
78-03-12	<0	60	50	<10	<.2	<10	<.02
77-11-03	--	40	<10	<10	--	<10	<.02
78-02-27	<0	20	<10	<10	.2	<10	<.02
77-11-29	--	60	50	<10	--	20	<.02
78-03-20	<0	30	30	<10	<.2	20	<.02
77-11-22	--	200	40	<10	--	<10	<.02
78-01-19	<0	40	60	20	<.2	<10	<.02
77-11-02	--	40	40	<10	--	30	<.02
78-02-28	<0	60	90	<10	<.2	290	<.02
78-01-11	<0	130	60	<10	<.2	170	<.02
77-11-08	--	30	<10	<10	--	<10	<.02
78-02-26	<0	10	<10	<10	.2	<10	<.02
77-12-18	--	100	150	20	--	20	<.02
78-04-04	<0	80	160	<10	<.2	50	<.02

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	HARDNESS (MG/L AS CACO3)
405335072562901	S 36711 SCWA BAILEY RD.	112GLCLU	78-01-26	143	72	6.5	<1	0	31
404458073182502	S 36714 SCWA BROOK AVE.	211MGTY	77-10-13	308	38	6.4	<1	0	12
		211MGTY	78-02-15	308	34	6.0	<1	0	9
404219073190401	S 36748 SCWA SMITH ST.	211MGTY	78-01-29	308	27	5.1	<1	0	11
405014073161401	S 36791 SCWA BLUE SPRUCE	211MGTY	77-12-13	674	56	6.6	<1	0	23
		211MGTY	78-04-13	674	57	6.5	<1	0	20
405321073232401	S 36869 SCWA FLOWER HILL	211MGTY	78-01-07	353	72	6.3	<1	0	30
404923073162801	S 36976 SCWA WICKS RD.	211MGTY	77-12-17	418	39	5.9	<1	0	12
		211MGTY	78-04-13	418	38	6.5	<1	0	8
404510073112301	S 37140 SCWA FISHER AVE.	211MGTY	77-11-13	312	70	6.2	<1	0	20
		211MGTY	78-03-12	312	75	6.3	<1	0	28
404753073132401	S 37141 SCWA COMMERCIAL	211MGTY	77-11-15	429	34	5.9	<1	0	20
		211MGTY	78-04-08	429	30	6.0	<1	0	7
405200073085901	S 37174 SCWA ASTOR AVE.	211MGTY	77-11-03	309	109	7.2	<1	0	60
		211MGTY	78-02-26	309	107	7.2	<1	0	39
405409073061402	S 37301 SCWA STEM LA. 1	211MGTY	77-11-07	315	69	6.4	<1	0	46
		211MGTY	78-02-27	315	49	6.2	<1	1	24
405141073191001	S 37351 SCWA LARKFIELD R	211MGTY	78-01-18	608	54	5.4	<1	0	21
404717072595603	S 37494 SCWA BARTON AVE.	211MGTY	77-10-11	313	44	6.5	<1	0	21
		211MGTY	78-02-01	313	45	6.0	<1	0	21

DATE OF SAMPLE	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)
78-01-26	7.5	2.6	5.2	.9	31	E16	1.9	3.0	<.01	<.01	<.01	<.10
77-10-13	2.8	.9	3.8	.5	14	8.9	1.1	3.5	<.01	<.01	<.01	<.10
78-02-15	2.3	.7	3.3	.4	11	E17	1.9	4.0	<.01	<.01	<.01	<.10
78-01-29	.9	.5	4.2	.4	7	--	1.7	4.0	<.01	<.01	<.01	1.5
77-12-13	4.0	1.6	4.0	.5	18	7.2	1.6	3.0	.62	<.01	<.01	<.10
78-04-13	5.4	1.5	3.8	.4	19	3.0	1.7	4.5	.83	.03	<.01	<.10
78-01-07	4.8	1.8	5.5	.6	15	E11	2.1	5.5	2.1	<.01	.05	<.10
77-12-17	3.8	.6	3.7	.5	8	.0	.7	3.5	1.1	<.01	<.01	<.10
78-04-13	1.8	.6	3.6	.3	8	4.0	.7	5.0	1.1	<.01	<.01	<.10
77-11-13	5.4	1.3	5.4	.5	20	E20	2.2	6.5	1.1	<.01	<.01	<.10
78-03-12	7.1	1.2	5.0	.5	21	E16	1.5	6.0	.69	<.01	.03	<.10
77-11-15	1.9	.6	3.2	.3	11	--	1.0	2.5	<.01	<.01	<.01	<.10
78-04-08	2.2	.6	3.1	.3	11	E18	2.0	4.0	.07	<.01	<.01	<.10
77-11-03	10	4.3	5.4	1.3	44	4.4	6.3	2.5	<.01	<.01	<.01	.22
78-02-26	9.8	3.8	4.5	1.2	36	3.6	10	3.0	<.01	<.01	.03	.15
77-11-07	6.3	1.6	4.7	.5	23	E14	2.5	4.0	.93	<.01	<.01	<.10
78-02-27	3.8	1.1	4.1	.4	16	E16	1.3	5.0	.56	<.01	<.01	<.10
78-01-18	3.3	1.1	4.3	.6	6	--	.5	5.0	2.4	<.01	.11	<.10
77-10-11	3.6	1.0	3.4	.3	14	7.0	1.6	4.0	.17	<.01	<.01	<.10
78-02-01	3.4	.9	3.4	.3	15	E23	2.1	3.0	<.01	<.01	<.01	<.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

DATE OF SAMPLE	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
78-01-26	<0	40	<10	<10	<.2	30	<.02
77-10-13	--	70	100	<10	--	450	<.02
78-02-15	--	<10	30	20	--	20	<.02
78-01-29	<0	20	330	20	<.2	70	<.02
77-12-13	--	<10	<10	10	--	<10	<.02
78-04-13	<0	20	40	20	<.2	20	<.02
78-01-07	<0	20	<10	<10	.3	<10	<.02
77-12-17	--	60	0	0	--	110	<.02
78-04-13	<0	20	<10	<10	<.2	<10	<.02
77-11-13	--	30	60	<10	--	10	<.02
78-03-12	<0	50	190	20	<.2	50	<.02
77-11-15	--	<10	<10	<10	--	40	<.02
78-04-08	<0	40	20	<10	<.2	20	<.02
77-11-03	--	30	50	100	--	<10	<.02
78-02-26	1	40	30	90	<.2	<10	<.02
77-11-07	--	30	<10	<10	--	<10	<.02
78-02-27	<0	30	60	<10	<.2	<10	<.02
78-01-18	<0	40	<10	<10	<.2	50	<.02
77-10-11	--	40	20	<10	--	<10	<.02
78-02-01	<0	20	<10	<10	.4	<10	<.02

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	HARDNESS (MG/L AS CACO3)
404236073225001 S 37681	SCWA TENETY ST.	211MGTY	78-03-07	574	34	4.8	<1	0	5
404932073060301 S 37847	SCWA SAMUEL ST 3	112GLCLU	77-11-30	349	73	6.4	<1	0	28
		112GLCLU	78-03-28	349	73	6.3	<1	0	24
404406073193401 S 37861	SCWA AUGUST RD.	211MGTY	77-10-19	636	32	5.2	<1	0	16
		211MGTY	78-02-28	636	36	5.2	<1	1	9
404427073073201 S 37963	SCWA MONTAUK HWY	211MGTY	78-01-30	292	57	6.1	<1	0	27
404528073150402 S 38192	SCWA EAST FORKS	211MGTY	77-12-18	306	72	6.4	<1	1	20
		211MGTY	78-04-02	306	68	6.2	<1	0	26
405652072590002 S 38194	SCWA NORTH COUNT	112GLCLU	78-02-15	732	60	6.4	<1	0	26
404756073025502 S 38320	SCWA BLUE PT RD	112GLCLU	77-12-08	172	87	5.9	<1	0	26
		112GLCLU	78-03-22	172	84	6.0	<1	0	25
404756073025503 S 38321	SCWA BLUE PT RD	211MGTY	77-12-12	304	49	6.2	<1	0	22
		211MGTY	78-03-21	304	47	5.8	<1	0	23
404921073122703 S 38491	SCWA WHEELER RD	211MGTY	77-11-02	383	38	6.2	<1	0	16
		211MGTY	78-03-08	383	38	6.0	<1	0	14
404805073051501 S 38701	SCWA LINCOLN AVE	112GLCLU	78-01-29	202	116	5.6	<1	0	29
405256073045602 S 38784	SCWA HAWKINS RD.	211MGTY	77-12-06	604	25	6.0	<1	0	6
		211MGTY	78-03-22	604	23	6.4	<1	0	8
405135073235501 S 38785	SCWA BROADWAY	112GLCLU	78-01-07	665	57	6.5	<1	0	21

DATE OF SAMPLE	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)
78-03-07	.8	.3	4.5	.3	5	--	3.3	5.0	<.01	<.01	<.01	3.5
77-11-30	4.5	1.8	5.7	.5	18	E11	3.7	6.0	.68	<.01	.07	<.10
78-03-28	5.3	2.0	6.3	.6	18	E14	3.7	7.5	1.4	<.01	<.01	.11
77-10-19	1.5	.5	2.7	.4	4	--	5.3	3.5	<.01	<.01	<.01	<.10
78-02-28	1.7	.5	4.3	.4	8	--	2.8	3.0	<.01	<.01	<.01	1.8
78-01-30	2.0	1.9	6.4	1.3	20	E25	2.8	3.5	.01	<.01	<.01	2.2
77-12-18	4.3	1.5	4.8	.4	13	8.2	8.0	5.5	.54	<.01	<.01	<.10
78-04-02	4.6	1.6	4.9	.4	14	E14	9.7	6.0	.52	.05	.16	<.10
78-02-15	5.9	1.7	4.6	.6	22	E13	1.4	4.0	.03	<.01	<.01	<.10
77-12-08	5.3	1.7	6.4	1.1	10	--	8.8	6.0	2.4	<.01	<.01	<.10
78-03-22	5.8	1.8	6.8	1.1	12	E19	8.9	8.5	2.5	<.01	<.01	<.10
77-12-12	3.5	1.2	3.8	.4	12	E12	5.2	4.0	<.01	<.01	<.01	<.10
78-03-21	3.4	1.3	3.6	.3	12	--	7.8	3.5	<.01	<.01	<.01	<.10
77-11-02	2.9	.8	3.5	.4	15	E15	1.4	4.0	<.01	<.01	<.01	<.10
78-03-08	3.2	.9	3.5	.4	25	E40	1.6	4.0	<.01	<.01	<.01	<.10
78-01-29	6.3	2.5	11	1.8	11	--	8.9	13	4.2	<.01	<.01	<.10
77-12-06	1.1	.3	2.5	.2	7	E11	1.0	2.0	.08	<.01	.04	<.10
78-03-22	1.4	.3	2.6	.2	7	4.4	.7	2.5	.09	<.01	.05	<.10
78-01-07	3.4	1.3	4.8	.4	18	9.0	.7	3.0	1.0	<.01	<.01	<.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

DATE OF SAMPLE	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
78-03-07	<0	<10	420	20	<.2	20	<.02
77-11-30	--	40	<10	<10	--	<10	<.02
78-03-28	<0	30	50	20	<.2	80	<.02
77-10-19	--	50	420	<10	--	30	<.02
78-02-28	<0	30	600	20	<.2	30	<.02
78-01-30	<0	<10	880	30	<.2	<10	<.02
77-12-18	--	160	140	20	--	30	<.02
78-04-02	<0	<10	100	<10	<.2	20	<.02
78-02-15	<0	20	<10	<10	<.2	120	<.02
77-12-08	--	30	<10	60	--	10	<.02
78-03-22	<0	30	<10	60	<.2	<10	<.02
77-12-12	--	<10	130	<10	--	20	<.02
78-03-21	<0	<10	120	30	<.2	<10	<.02
77-11-02	--	20	20	<10	--	20	<.02
78-03-08	<0	40	<10	<10	.2	50	<.02
78-01-29	<0	50	20	60	<.2	20	<.02
77-12-06	--	60	50	10	--	<10	<.02
78-03-22	<0	30	<10	<10	<.2	<10	<.02
78-01-07	<0	10	<10	<10	.2	<10	<.02

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM-COBALT UNITS)	TUR-BID-ITY (JTU)	HARD-NESS (MG/L AS CACO3)
405418073064902 S 38916	SCWA HENRY CLAY	211MGTY	78-01-31	724	35	6.3	<1	0	12
405919072170201 S 38917	SCWA DIVISION ST	112GLCLU	77-10-17	174	62	6.1	<1	0	17
		112GLCLU	78-02-13	174	66	6.1	<1	0	28
404358073181801 S 39024	SCWA HARVEST LA.	211MGTY	77-12-19	623	25	5.1	<1	0	3
		211MGTY	78-04-09	623	28	4.7	<1	0	21
405054073050901 S 39347	SCWA PLEASANT AV	112GLCLU	77-11-14	175	142	5.8	<1	0	42
		112GLCLU	78-03-21	175	133	5.8	<1	0	42
404503073132001 S 39406	SCWA 41 ST.	112GLCLU	77-11-15	106	170	5.2	<1	0	38
		112GLCLU	78-03-12	106	185	5.4	<1	0	41
404614073123001 S 39531	SCWA BANANA ST.	211MGTY	77-11-06	288	100	6.0	<1	0	26
		211MGTY	78-03-08	288	105	6.0	<1	0	28
405335072562902 S 40161	SCWA BAILEY RD.	112GLCLU	77-11-14	137	104	6.8	<1	0	44
		112GLCLU	78-03-13	137	100	6.8	<1	0	36
404321073222601 S 40330	SCWA TWELFTH ST.	211MGTY	78-03-06	328	59	5.0	<1	0	10
405221073021201 S 40331	SCWA DARE RD.	112GLCLU	77-11-30	457	77	6.7	<1	0	30
		112GLCLU	78-03-23	457	92	6.1	<1	0	29
404606073174602 S 40497	SCWA INDUSTRY CT	211MGTY	77-10-10	283	34	5.9	<1	0	11
		211MGTY	78-02-15	283	37	6.1	<1	0	11
404230073204101 S 40498	SCWA SAWYER AVE.	211MGTY	77-12-17	746	21	5.0	<1	0	7
		211MGTY	78-04-05	746	21	5.1	<1	0	3

DATE OF SAMPLE	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)	MAGNE-SIUM, TOTAL RECOV-ERABLE (MG/L AS MG)	SODIUM, TOTAL RECOV-ERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOV-ERABLE (MG/L AS K)	ALKA-LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHATE, TOTAL (MG/L AS PO4)
78-01-31	1.8	.7	3.0	.3	10	8.0	2.2	3.0	.03	<.01	<.01	<.10
77-10-17	3.1	1.2	6.4	.5	16	E20	5.3	7.0	<.01	<.01	<.01	<.10
78-02-13	3.4	1.3	6.3	.5	14	E22	5.3	6.0	<.01	<.01	.15	<.10
77-12-19	.9	.3	4.1	.3	5	--	1.9	3.0	<.01	<.01	<.01	2.2
78-04-09	.9	.3	4.3	.2	6	--	1.6	2.0	<.01	<.01	<.01	2.8
77-11-14	8.1	3.6	10	1.4	12	--	9.9	10	6.0	<.01	<.01	<.10
78-03-21	9.5	3.6	12	1.2	14	--	11	13	6.4	<.01	<.01	<.10
77-11-15	8.4	3.0	15	2.3	11	--	16	18	5.3	<.01	.42	<.10
78-03-12	11	3.9	17	2.3	11	--	16	23	6.1	<.01	.57	<.10
77-11-06	6.7	2.2	8.0	.5	17	E27	2.5	9.0	3.1	<.01	<.01	<.10
78-03-08	6.2	2.1	8.0	.5	17	E27	2.6	9.0	3.0	<.01	<.01	<.10
77-11-14	9.1	3.0	6.3	.7	31	7.8	8.1	4.5	.42	<.01	<.01	<.10
78-03-13	8.7	2.9	5.7	.6	28	7.1	8.6	5.5	.48	<.01	<.01	<.10
78-03-06	2.4	.9	6.8	.4	8	--	4.0	9.0	<.01	<.01	.06	2.1
77-11-30	5.6	2.0	6.4	.6	18	5.7	3.6	5.0	1.5	<.01	<.01	<.10
78-03-23	7.0	2.5	6.9	.7	15	E18	4.6	8.0	2.9	<.01	<.01	<.10
77-10-10	2.9	.4	2.8	.3	10	--	1.6	3.5	.04	<.01	<.01	<.10
78-02-15	2.9	.6	2.8	.4	12	E15	2.3	3.0	<.01	<.01	<.01	.08
77-12-17	.6	.3	3.1	.3	6	--	2.2	3.0	<.01	<.01	<.01	.64
78-04-05	.9	.3	2.3	.3	5	--	2.7	2.0	<.01	<.01	<.01	<.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

DATE OF SAMPLE	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
78-01-31	<0	60	<10	<10	.3	<10	<.02
77-10-17	--	<10	<10	<10	--	20	<.02
78-02-13	<0	80	<10	<10	<.6	<10	<.02
77-12-19	--	20	230	<10	--	40	<.02
78-04-09	<0	20	210	<10	<.2	<10	<.02
77-11-14	--	20	<10	<10	--	<10	.03
78-03-21	<0	30	40	<10	<.2	30	<.02
77-11-15	--	50	100	360	--	30	.09
78-03-12	<0	100	<10	420	<.2	20	.16
77-11-06	--	80	<10	<10	--	<10	<.02
78-03-08	<0	60	<10	<10	<.2	<10	<.02
77-11-14	--	<10	40	<10	--	30	<.02
78-03-13	<0	30	150	<10	.5	<10	<.02
78-03-06	<0	60	600	40	.2	20	<.02
77-11-30	--	30	80	<10	--	<10	<.02
78-03-23	<0	40	<10	20	<.2	<10	<.02
77-10-10	--	20	40	<10	--	20	<.02
78-02-15	<0	80	60	<10	<.2	30	<.02
77-12-17	--	40	420	20	--	100	<.02
78-04-05	<0	<10	200	30	<.2	60	<.02

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	HARDNESS (MG/L AS CACO3)
405222073211901 S	40709 SCWA DARE RD.	112GLCLU	77-11-30	484	63	6.5	<1	0	23
		112GLCLU	78-03-22	484	60	6.1	<1	0	20
405207073131401 S	40710 SCWA ST. JOHN LA	112GLCLU	77-12-15	463	30	6.1	<1	0	16
		112GLCLU	78-04-13	463	31	5.8	<1	0	5
405209073131401 S	40711 SCWA ST. JOHN LA	112GLCLU	77-12-13	274	72	6.0	<1	0	15
		112GLCLU	78-04-16	274	76	6.0	<1	0	15
405514073050101 S	40837 SCWA OAK ST	112GLCLU	77-11-07	288	130	6.2	<1	0	59
		112GLCLU	78-02-27	288	106	6.2	<1	0	33
405514073050102 S	40838 SCWA OAK ST	112GLCLU	77-11-08	288	116	6.1	<1	0	54
		112GLCLU	78-02-26	288	155	6.2	<1	0	52
405418073064901 S	40980 SCWA HENRY CLAY	211MGTY	78-01-26	578	27	5.7	<1	0	15
405015073090201 S	42226 SCWA PIERSON ST.	112GLCLU	77-11-08	270	93	7.8	<1	0	54
		112GLCLU	78-04-11	270	102	7.9	<1	0	40
405016073090301 S	42227 SCWA PIERSON ST.	112GLCLU	77-11-14	254	104	7.0	<1	0	42
		112GLCLU	78-04-08	254	95	6.9	<1	0	37
405119073123700 S	42270 SCWA NEW MILL RD	211MGTY	77-12-15	650	36	5.9	<1	0	8
		211MGTY	78-04-14	650	37	6.0	<1	0	10
405119073123702 S	42473 SCWA NEW MILL RD	211MGTY	77-12-17	648	46	6.1	<1	0	8
		211MGTY	78-04-15	648	43	5.8	<1	0	11
404738072562701 S	42499 SCWA STATION RD.	112GLCLU	77-10-12	176	56	6.1	<1	0	17
		112GLCLU	78-02-26	176	60	6.3	<1	0	19

DATE OF SAMPLE	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)
77-11-30	4.5	1.5	4.4	.4	18	9.0	2.8	3.0	.86	.02	<.01	<.10
78-03-22	4.7	1.4	4.4	.5	18	E23	2.7	5.0	1.1	<.01	<.01	<.10
77-12-15	1.6	.5	3.2	.4	9	E11	.8	3.0	.17	<.01	<.01	<.10
78-04-13	1.7	.5	3.2	.3	8	--	.9	3.5	.23	<.01	<.01	<.10
77-12-13	4.1	1.4	6.3	.6	9	E14	1.9	10	1.4	<.01	.07	<.10
78-04-16	3.9	1.4	6.5	.5	11	E18	1.9	11	1.6	<.01	<.01	<.10
77-11-07	11	4.5	6.0	.7	17	E17	16	8.0	2.5	<.01	<.01	<.10
78-02-27	7.9	3.5	5.9	.6	16	E16	11	8.0	2.1	<.01	<.01	<.10
77-11-08	9.0	3.6	5.7	.6	19	E24	14	6.5	2.1	<.01	<.01	<.10
78-02-26	11	5.0	7.5	.8	15	E15	22	10	4.1	<.01	<.01	<.10
78-01-26	1.3	.4	2.9	.3	8	--	1.3	2.5	.05	<.01	<.01	<.10
77-11-08	8.5	3.7	4.4	.4	33	.8	2.8	5.0	.68	<.01	<.01	<.10
78-04-11	11	4.5	4.4	.4	36	.7	3.4	6.5	.85	<.01	<.01	<.10
77-11-14	8.3	4.0	4.6	.4	36	5.7	2.0	5.0	.60	<.01	<.01	<.10
78-04-08	9.4	3.8	4.5	.4	34	6.8	3.3	6.5	.61	<.01	<.01	<.10
77-12-15	1.7	.8	3.4	.5	9	--	3.0	3.0	.02	<.01	<.01	<.10
78-04-14	1.9	.8	3.6	.5	9	E14	3.5	3.0	.03	<.01	<.01	<.10
77-12-17	.9	.5	5.8	.6	11	E14	5.8	3.5	<.01	<.01	<.01	<.10
78-04-15	1.1	.5	5.9	.6	9	--	6.4	2.5	.03	<.01	<.01	<.10
77-10-12	3.3	1.4	4.8	.6	9	E11	7.2	6.0	.44	<.01	<.01	<.10
78-02-26	3.6	1.4	4.6	.5	9	7.2	7.3	6.5	.44	<.01	<.01	<.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

DATE OF SAMPLE	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
77-11-30	--	10	<10	<10	--	<10	<.02
78-03-22	<0	<10	20	<10	<.2	90	<.02
77-12-15	--	20	<10	<10	--	<10	<.02
78-04-13	<0	20	<10	<10	<.2	<10	<.02
77-12-13	--	40	<10	<10	--	30	<.02
78-04-16	<0	40	<10	<10	<.2	<10	<.02
77-11-07	--	<10	<10	<10	--	<10	<.02
78-02-27	<0	10	30	<10	<.2	<10	<.02
77-11-08	--	<10	<10	<10	--	<10	<.02
78-02-26	<0	20	30	<10	.4	30	<.02
78-01-26	<0	50	<10	20	<.2	<10	<.02
77-11-08	--	<10	<10	<10	--	30	<.02
78-04-11	<0	<10	50	<10	<.2	<10	<.02
77-11-14	--	<10	<10	<10	--	<10	<.02
78-04-08	<0	10	30	20	<.2	40	<.02
77-12-15	--	<10	90	20	--	20	<.02
78-04-14	<0	<10	100	<10	<.2	<10	<.02
77-12-17	--	<10	170	20	--	20	<.02
78-04-15	<0	60	190	<10	<.2	10	<.02
77-10-12	--	10	40	10	--	20	<.02
78-02-26	<0	<10	20	<10	<.2	<10	<.02

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	HARDNESS (MG/L AS CACO3)
405215073012501 S	42504 SCWA FLINT LA	112GLCLU	77-12-11	223	128	5.9	<1	0	34
		112GLCLU	78-03-22	223	116	6.0	<1	0	38
405215073012502 S	42505 SCWA FLINT LA	112GLCLU	77-12-08	233	72	5.8	<1	0	20
		112GLCLU	78-02-22	233	68	6.2	<1	0	24
		112GLCLU	78-04-03	233	71	6.1	<1	0	22
405054073050902 S	42760 SCWA PLEASANT AV	112GLCLU	77-11-14	174	165	5.9	<1	0	45
		112GLCLU	78-03-21	174	140	6.1	<1	0	40
404756073025501 S	42761 SCWA BLUE POINT	211MGTY	77-12-12	334	45	6.0	<1	0	15
		211MGTY	78-03-21	334	47	6.4	<1	0	20
404305073161401 S	42762 SCWA UNION ST	211MGTY	77-12-22	743	27	4.9	<1	0	3
		211MGTY	78-04-01	743	28	5.4	<1	0	9
404511073112301 S	42827 SCWA FISHER AVE	211MGTY	77-11-13	664	43	5.9	<1	0	14
		211MGTY	78-03-12	664	43	6.0	<1	0	17
405113073260901 S	43001 SCWA WOODCHUCK H	112GLCLU	78-01-06	532	91	6.0	<1	0	42
405256073045603 S	43117 SCWA HAWKINS RD.	211MGTY	77-11-15	552	21	5.6	<1	0	8
		211MGTY	78-03-22	552	29	6.8	<1	0	15
404820073073402 S	43641 SCWA EASTON ST	211MGTY	78-01-17	706	88	6.3	<1	0	26
404920073142801 S	44774 SCWA FALCON DR	112GLCLU	77-11-08	293	53	6.2	<1	0	24
		112GLCLU	78-04-08	293	42	6.1	<1	0	15

DATE OF SAMPLE	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)
77-12-11	7.5	3.0	7.7	1.0	18	--	11	11	1.1	<.01	1.0	.21
78-03-22	7.7	3.1	8.2	.9	16	E25	11	12	1.7	<.01	1.0	<.10
77-12-08	4.5	1.7	4.7	.5	13	--	6.1	4.5	.95	<.01	<.01	<.10
78-02-22	5.3	1.6	4.8	.5	14	E14	6.2	4.0	1.0	<.01	.05	<.10
78-04-03	6.3	1.7	4.7	.5	19	E24	6.1	6.5	1.2	<.01	.19	<.10
77-11-14	10	3.7	12	1.0	15	--	8.6	14	7.2	<.01	<.01	<.10
78-03-21	11	3.9	12	.9	18	E23	9.7	15	7.0	<.01	<.01	<.10
77-12-12	5.4	.9	3.2	.4	10	E15	5.9	3.5	<.01	<.01	<.01	<.10
78-03-21	5.5	1.1	4.2	.4	13	8.2	3.6	3.5	<.01	<.01	<.01	1.2
77-12-22	1.1	.3	4.1	.6	8	--	1.5	4.0	<.01	<.01	<.01	2.0
78-04-01	.7	.3	3.3	.5	6	--	.6	3.5	<.01	<.01	<.01	.42
77-11-13	2.1	1.3	3.3	.4	14	--	1.5	2.5	.08	<.01	<.01	.43
78-03-12	2.7	1.4	3.2	.4	14	E22	2.6	3.0	<.01	<.01	.01	.58
78-01-06	6.2	2.5	5.6	.7	10	E15	6.1	6.5	3.4	<.01	.04	<.10
77-11-15	1.2	.3	2.6	.2	8	--	.7	3.0	.05	<.01	<.01	<.10
78-03-22	2.7	.4	2.7	.2	10	2.5	.8	3.5	.09	<.01	.04	<.10
78-01-17	7.7	1.6	5.2	.6	24	E19	7.2	6.5	<.01	<.01	<.01	<.10
77-11-08	3.5	1.5	4.2	.4	18	E18	1.5	3.5	.33	<.01	<.01	<.10
78-04-08	2.8	1.1	3.8	.4	16	E20	1.5	4.0	.15	<.01	<.01	.11

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

DATE OF SAMPLE	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
77-12-11	--	<10	<10	20	--	30	<.02
78-03-22	<0	20	20	<10	<.2	20	<.02
77-12-08	--	10	<10	<10	--	10	<.02
78-02-22	--	20	<10	10	--	40	<.02
78-04-03	1	20	60	30	<.2	150	<.02
77-11-14	--	<10	<10	30	--	<10	.06
78-03-21	<0	20	<10	20	<.2	20	<.02
77-12-12	--	<10	200	20	--	180	<.02
78-03-21	<0	30	280	30	<.2	320	<.02
77-12-22	--	<10	260	<10	--	70	<.02
78-04-01	<0	<10	230	<10	<.2	40	<.02
77-11-13	--	40	310	20	--	10	<.02
78-03-12	<0	40	450	<10	<.2	420	<.02
78-01-06	<0	70	<10	<10	<.2	<10	<.02
77-11-15	--	50	<10	<10	--	20	<.02
78-03-22	<0	<10	40	<10	<.2	30	<.02
78-01-17	<0	30	90	50	.3	<10	<.02
77-11-08	--	<10	<10	<10	--	<10	<.02
78-04-08	<0	<10	70	<10	<.2	20	<.02

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	HARDNESS (MG/L AS CACO3)
405322073211404 S 45610	SCWA WASHINGTON	112GLCLU	78-01-06	312	31	5.9	<1	0	19
404503073131201 S 45839	SCWA 41 ST	211MGTY	78-03-19	726	22	5.6	<1	0	3
404218073190400 S 45840	SCWA SMITH ST	211MGTY	78-01-30	315	32	5.5	<1	0	7
404432073151300 S 46235	SCWA THOMAS AVE	211MGTY	77-11-22	713	59	5.6	<1	0	20
		211MGTY	78-03-13	713	33	5.0	<1	0	8
405002073022600 S 46400	SCWA HORSEBLOCK	112GLCLU	77-12-12	266	123	6.7	<1	0	35
		112GLCLU	78-03-27	266	123	6.7	<1	0	40
404803072484001 S 46712	SCWA OLD NECK RD	112GLCLU	77-10-26	100	63	6.4	<1	0	21
		112GLCLU	78-02-01	100	66	6.1	<1	0	24
404804072484101 S 46713	SCWA OLD NECK RD	211MGTY	77-10-26	443	58	6.0	<1	0	16
		211MGTY	78-02-27	443	63	5.9	<1	1	25
404606073174601 S 46830	SCWA INDUSTRY CT	211MGTY	77-10-08	655	36	5.9	<1	0	22
		211MGTY	78-02-21	655	29	5.4	<1	0	6
405455073025801 S 46928	SCWA JAYNE BLVD.	211MGTY	77-11-09	649	47	6.5	<1	0	27
		211MGTY	78-02-28	649	62	6.8	<1	0	28
404617073035501 S 47035	SCWA CHURCH HLBK	112GLCLU	78-01-17	508	42	6.0	<1	0	15
405407073001102 S 47219	SCWA VIKING PL.	112GLCLU	77-12-11	208	127	6.0	<1	0	41
		112GLCLU	78-03-21	208	122	6.4	<1	0	42
405407073001101 S 47310	SCWA VIKING PL.	211MGTY	77-12-12	698	41	6.3	<1	0	17
		211MGTY	78-03-29	698	39	6.3	<1	0	13

DATE OF SAMPLE	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)
78-01-06	1.4	.5	3.5	.4	7	--	.4	2.0	.68	<.01	<.01	<.10
78-03-19	.8	.4	2.5	.3	6	--	2.0	3.5	<.01	<.01	<.01	<.10
78-01-30	.9	.9	4.0	.6	8	--	4.2	4.5	<.01	<.01	<.01	.32
77-11-22	2.8	.9	4.9	.6	7	--	7.8	5.0	.38	<.01	.17	<.10
78-03-13	1.3	.6	3.0	.3	4	--	2.8	3.5	<.01	<.01	<.01	.77
77-12-12	7.8	3.8	7.5	.8	25	7.9	9.4	10	1.8	<.01	<.01	<.10
78-03-27	10	4.0	7.2	.8	26	8.2	9.4	10	1.9	<.01	<.01	<.10
77-10-26	4.0	1.9	4.6	.4	15	9.5	6.8	6.0	.62	<.01	<.01	<.10
78-02-01	3.9	1.9	4.5	.4	11	E13	7.1	5.0	.39	.03	<.01	<.10
77-10-26	3.9	1.3	4.4	.4	14	E22	7.3	4.5	<.01	<.01	<.01	<.10
78-02-27	4.2	1.5	4.5	.4	10	--	9.2	5.0	<.01	<.01	<.01	<.10
77-10-08	1.9	.4	3.0	.5	9	--	1.1	3.5	.30	<.01	<.01	<.10
78-02-21	1.4	.4	3.1	.5	8	--	1.1	5.0	.34	<.01	<.01	<.10
77-11-09	3.9	1.0	3.3	.4	17	8.6	2.5	2.0	.06	<.01	.03	<.10
78-02-28	7.7	1.2	3.3	.5	26	6.6	2.3	4.0	.14	<.01	<.01	<.10
78-01-17	2.3	1.1	3.6	.4	15	E24	3.1	4.0	<.01	<.01	<.01	<.10
77-12-11	10	4.1	5.5	.7	11	E17	20	7.5	2.5	<.01	.01	<.10
78-03-21	10	4.3	5.4	.7	11	7.0	22	8.5	2.4	<.01	.04	<.10
77-12-12	2.8	.8	3.4	.4	12	9.6	2.0	4.0	.02	<.01	<.01	<.10
78-03-29	3.2	.8	3.4	.4	13	E10	2.4	3.5	.06	<.01	<.01	<.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

DATE OF SAMPLE	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
78-01-06	<0	100	10	<10	.4	40	<.02
78-03-19	<0	90	160	<10	<.2	30	<.02
78-01-30	<0	<10	400	20	<.2	<10	<.02
77-11-22	--	50	400	60	--	20	<.02
78-03-13	<0	40	200	<10	<.2	<10	<.02
77-12-12	--	20	<10	<10	--	<10	<.02
78-03-27	<0	60	<10	<10	<.2	90	<.02
77-10-26	--	30	<10	<10	--	50	<.02
78-02-01	<0	30	<10	<10	<.2	<10	<.02
77-10-26	--	30	160	40	--	10	<.02
78-02-27	<0	10	250	30	<.2	20	<.02
77-10-08	--	120	20	<10	--	50	<.02
78-02-21	<0	70	30	<10	<.2	30	<.02
77-11-09	--	30	70	<10	--	20	<.02
78-02-28	<0	20	60	20	<.2	110	<.02
78-01-17	<0	70	320	40	<.2	<10	<.02
77-12-11	--	<10	<10	<10	--	100	<.02
78-03-21	<0	10	<10	<10	<.2	60	<.02
77-12-12	--	<10	<10	<10	--	<10	<.02
78-03-29	<0	20	<10	<10	<.2	70	<.02

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	HARDNESS (MG/L AS CACO3)
404317073201802	S 47435 SCWA LAFAYETTE R	211MGTY	77-12-19	441	22	4.9	<1	0	5
		211MGTY	78-03-29	441	24	5.2	<1	0	7
405110072531501	S 47436 SCWA WM FLOYD PK	112GLCLU	77-10-09	165	55	5.9	<1	0	20
		112GLCLU	78-02-26	165	55	6.4	<1	0	16
405110072531502	S 47437 SCWA WM FLOYD PK	112GLCLU	77-10-12	179	56	6.1	<1	0	14
		112GLCLU	78-03-20	179	55	6.2	<1	0	20
405110072531503	S 47438 SCWA WM FLOYD PK	211MGTY	77-10-12	269	52	6.2	<1	0	18
		211MGTY	78-03-20	269	56	6.3	<1	0	20
404804073051300	S 47453 SCWA LINCOLN AVE	211MGTY	78-01-29	444	37	5.9	<1	0	9
405142073105901	S 47673 SCWA HURTIN BLVD	112GLCLU	77-11-03	280	128	7.0	<1	0	58
		112GLCLU	78-02-26	280	131	6.8	<1	0	50
404046073252102	S 47887 SCWA GREEN AVE	211MGTY	78-03-05	618	22	5.0	<1	0	3
405203073085501	S 48014 SCWA ASTOR AVE	211MGTY	77-11-07	343	102	7.2	<1	0	44
		211MGTY	78-02-28	343	105	7.3	<1	1	46
404515073225502	S 48193 SCWA CIRCLE DR	211MGTY	77-10-06	534	18	5.3	<1	0	10
		211MGTY	78-02-18	534	19	5.8	<1	0	3
405319073233601	S 48719 SCWA FLOWER MILL	112GLCLU	78-01-06	350	68	6.3	<1	0	22
404739072562701	S 49018 SCWA STATION RD	211MGTY	77-10-17	518	55	6.4	<1	0	25
		211MGTY	78-03-28	518	73	6.3	<1	0	24
405720072122702	S 49422 SCWA BRIDGEHAMPT	112GLCLU	77-11-22	148	136	6.2	<1	0	21
		112GLCLU	78-03-28	148	121	6.1	<1	0	20

DATE OF SAMPLE	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)
77-12-19	.5	.2	2.7	.3	5	--	2.0	3.0	<.01	<.01	<.01	.28
78-03-29	.6	.2	2.8	.3	8	--	1.0	3.0	.04	<.01	.18	1.3
77-10-09	3.3	1.3	4.2	.4	12	--	5.5	6.0	.30	<.01	<.01	<.10
78-02-26	3.5	1.3	4.4	.4	12	7.6	6.1	5.0	.22	<.01	<.01	<.10
77-10-12	3.1	1.2	4.3	.4	9	E12	5.7	5.0	.27	<.01	<.01	<.10
78-03-20	3.2	1.3	4.5	.4	10	E10	6.9	5.5	.28	<.01	<.01	<.10
77-10-12	3.9	1.3	4.3	.4	10	E10	5.7	4.5	.29	<.01	<.01	<.10
78-03-20	3.5	1.4	4.4	.4	11	8.8	6.9	5.5	.32	<.01	<.01	<.10
78-01-29	2.7	.9	3.9	.4	9	--	2.8	4.0	.04	<.01	<.01	<.10
77-11-03	11	4.6	6.4	.8	37	5.9	7.1	7.5	1.7	<.01	<.01	.14
78-02-26	10	4.5	6.6	.9	34	8.6	6.9	9.0	1.8	<.01	<.01	.13
78-03-05	.7	.2	2.7	.3	4	--	1.6	3.5	<.01	<.01	.05	1.1
77-11-07	9.9	3.7	4.7	1.1	36	3.6	10	2.0	<.01	<.01	<.01	.29
78-02-28	9.6	3.8	4.5	1.2	33	2.6	10	2.5	<.01	<.01	.03	.19
77-10-06	.7	.2	2.0	.2	5	--	.9	1.5	.03	<.01	<.01	<.10
78-02-18	1.3	.2	1.9	.2	6	--	1.3	1.5	<.01	<.01	<.01	1.2
78-01-06	4.6	1.6	5.0	.6	15	E11	2.4	4.0	1.6	<.01	.05	<.10
77-10-17	5.6	1.1	3.9	.5	18	E11	2.9	4.0	<.01	<.01	<.01	.75
78-03-28	5.3	2.0	6.3	.6	18	E14	3.7	7.5	1.4	<.01	<.01	.11
77-11-22	3.8	1.9	13	.9	15	E15	12	13	1.3	<.01	<.01	<.10
78-03-28	4.3	2.2	13	.9	15	E18	13	12	1.4	<.01	<.01	<.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

DATE OF SAMPLE	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
77-12-19	--	20	220	<10	--	10	<.02
78-03-29	<0	<10	380	20	<.2	40	<.02
77-10-09	--	70	20	<10	--	20	<.02
78-02-26	<0	40	60	20	<.2	70	<.02
77-10-12	--	70	60	<10	--	20	<.02
78-03-20	1	40	70	<10	<.2	<10	<.02
77-10-12	--	80	580	20	--	40	<.02
78-03-20	<0	40	690	10	<.2	<10	<.02
78-01-29	<0	30	60	<10	<.2	30	<.02
77-11-03	--	110	30	<10	--	20	<.02
78-02-26	<0	80	<10	<10	<.2	<10	<.02
78-03-05	<0	<10	290	<10	<.2	<10	<.02
77-11-07	--	120	120	40	--	30	<.02
78-02-28	<0	40	40	100	<.2	<10	<.02
77-10-06	--	30	70	<10	--	10	<.02
78-02-18	<0	40	60	<10	.4	30	<.02
78-01-06	<0	40	<10	<10	.2	<10	<.02
77-10-17	--	<10	100	40	--	<10	<.02
78-03-28	<0	30	50	20	<.2	80	<.02
77-11-22	--	20	<10	30	--	30	<.02
78-03-28	0	<10	40	10	<.2	280	<.02

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	HARDNESS (MG/L AS CACO3)
405335072562903	S 49606 SCWA BAILEY RD	211MGTY	78-03-06	388	85	6.5	<1	0	34
404432073151303	S 50546 SCWA THOMAS AVE	211MGTY	77-11-22	667	35	5.7	<1	1	23
		211MGTY	78-03-12	667	38	5.4	<1	0	8
404426073073304	S 50630 SCWA OAKDALE	211MGTY	78-01-17	245	65	6.4	<1	0	22
404210073250201	S 51214 SCWA GREAT NECK	211MGTY	78-03-08	395	53	4.7	<1	0	12
405410073010501	S 51266 SCWA CHESTNUT ST	112GLCLU	77-12-08	593	53	7.0	<1	0	20
		112GLCLU	78-03-28	593	49	6.8	<1	0	17
410253071570801	S 51274 SCWA EDGEMERE RD	112GLCLU	77-11-21	55	175	6.3	<1	0	35
		112GLCLU	78-03-27	55	155	6.2	<1	0	33
410212071574401	S 51275 SCWA S DAVIS AV	211MGTY	77-11-21	178	170	6.3	<1	0	26
404353073215801	S 51298 SCW GORDON AVE	211MGTY	77-10-09	652	24	5.4	<1	0	3
		211MGTY	78-03-15	652	21	4.8	<1	0	12
404321073222602	S 51457 SCWA TWELFTH ST	211MGTY	78-03-07	623	27	4.9	<1	0	7
404808073113302	S 51519 SCWA OVAL DR	211MGTY	77-11-08	408	49	6.1	<1	0	30
		211MGTY	78-03-12	408	50	6.1	<1	0	28
404820073073403	S 51609 SCWA EASTON ST	211MGTY	78-01-18	730	49	5.8	<1	0	11
404225073193001	S 51673 SCWA SAWYER AVE	211MGTY	77-12-21	763	23	4.7	<1	0	4
		211MGTY	78-04-01	763	27	5.2	<1	0	3
405607073021301	S 51953 SCWA CRYSTAL BK	112GLCLU	78-01-26	316	111	6.0	<1	0	32
404612073055001	S 52126 SCWA CHURCH BHMA	112GLCLU	78-01-17	156	96	6.0	<1	0	37
405407073001103	S 52451 SCWA VIKING PL	112GLCLU	77-12-15	183	137	6.1	<1	0	53
		112GLCLU	78-03-30	183	135	6.0	<1	0	47

DATE OF SAMPLE	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)
78-03-06	7.7	2.7	4.6	1.0	32	E16	2.7	4.0	.12	<.01	.08	<.10
77-11-22	1.3	.8	2.8	.3	6	--	5.6	2.5	<.01	<.01	<.01	<.10
78-03-12	1.4	.8	3.6	.3	5	--	2.4	2.5	<.01	<.01	<.01	1.5
78-01-17	4.0	2.8	6.8	1.1	25	E16	3.5	5.0	<.01	<.01	<.01	.67
78-03-08	1.7	1.0	5.4	.6	8	--	2.3	10	<.01	<.01	<.01	1.9
77-12-08	4.1	1.1	3.5	.5	18	2.9	2.0	2.5	.06	<.01	<.01	.21
78-03-28	3.8	1.4	3.6	.5	17	4.3	2.1	4.0	<.01	<.01	<.01	.15
77-11-21	8.0	3.8	23	1.4	21	E17	15	36	1.1	<.01	<.01	<.10
78-03-27	7.0	3.4	19	1.3	17	E17	14	28	1.2	<.01	<.01	<.10
77-11-21	4.6	2.6	25	1.1	13	E10	11	42	.08	<.01	<.01	<.10
77-10-09	1.2	.3	2.4	.2	3	--	1.6	3.0	.02	<.01	<.01	<.01
78-03-15	1.1	.3	2.3	.2	5	--	1.5	2.0	<.01	<.01	<.01	<.10
78-03-07	.8	.2	3.8	.4	6	--	3.5	2.0	<.01	<.01	<.01	2.8
77-11-08	3.5	1.4	3.8	.5	18	E22	1.3	3.0	<.01	<.01	<.01	<.10
78-03-12	3.4	1.4	3.7	.5	18	E22	1.3	3.0	.01	<.01	.01	<.10
78-01-18	2.5	.8	6.0	.5	12	--	2.5	3.5	<.01	<.01	<.01	2.4
77-12-21	.7	.3	3.6	.3	5	--	1.7	3.0	<.01	<.01	<.01	1.1
78-04-01	1.1	.4	3.5	.3	5	--	1.3	2.5	<.01	<.01	<.01	1.8
78-01-26	8.3	3.0	7.8	.7	22	E34	4.8	8.5	2.3	<.01	<.01	<.10
78-01-17	5.4	2.2	7.9	2.6	18	E29	6.0	13	.84	<.01	<.01	<.10
77-12-15	10	4.5	5.6	.8	12	E15	26	7.5	2.2	<.01	<.01	<.10
78-03-30	11	4.6	5.6	.8	13	E20	26	7.5	2.0	<.01	<.01	<.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

DATE OF SAMPLE	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
78-03-06	<0	20	<10	<10	.2	<10	<.02
77-11-22	--	40	370	20	--	<10	<.02
78-03-12	<0	40	230	<10	<.2	<10	<.02
78-01-17	<0	20	940	40	<.2	<10	<.02
78-03-08	<0	<10	470	30	<.2	30	<.02
77-12-08	--	20	<10	<10	--	<10	<.02
78-03-28	<0	<10	20	10	<.2	90	<.02
77-11-21	--	20	210	180	--	30	<.02
78-03-27	<0	<10	140	80	<.2	30	<.02
77-11-21	--	30	0	0	--	20	<.02
77-10-09	--	80	160	20	--	20	<.02
78-03-15	<0	80	300	<10	<.2	10	<.02
78-03-07	<0	<10	680	<10	<.2	30	<.02
77-11-08	--	<10	<10	<10	--	<10	<.02
78-03-12	<0	40	<10	<10	<.2	<10	<.02
78-01-18	<0	<10	110	40	<.2	<10	<.02
77-12-21	--	20	260	20	--	30	<.02
78-04-01	<0	<10	230	30	<.2	40	<.02
78-01-26	<0	40	<10	<10	<.2	10	<.02
78-01-17	<0	20	30	10	<.2	<10	<.02
77-12-15	--	60	<10	<10	--	<10	<.02
78-03-30	<0	30	<10	<10	<.2	<10	<.02

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	HARDNESS (MG/L AS CACO3)
405354073021202 S	52490 SCWA BICYCLE PTH	211MGTY	77-11-06	554	59	7.2	<1	0	42
		211MGTY	78-02-26	554	59	6.8	<1	0	30
404905072565501 S	52944 SCWA PTCHG-YPHK	112GLCLU	77-10-11	204	153	7.0	<1	0	59
		112GLCLU	78-02-03	204	70	6.1	<1	0	18
404905072565502 S	52945 SCWA PTCHG-YPHK	112GLCLU	77-10-11	196	67	6.3	<1	0	24
		112GLCLU	78-03-12	196	81	6.3	<1	0	27
404756073025504 S	53074 SCWA BLUE PT RD	112GLCLU	77-12-11	165	59	5.9	<1	0	18
		112GLCLU	78-03-21	165	58	5.6	<1	0	22
405002073022602 S	53291 SCWA HORSEBLOCK	112GLCLU	77-12-14	271	75	6.8	<1	0	25
		112GLCLU	78-03-21	271	77	7.0	<1	0	29
405032073162802 S	53360 SCWA WALTER CT	211MGTY	77-12-13	668	58	6.4	<1	0	22
		211MGTY	78-04-15	668	55	6.6	<1	0	19
405133073155901 S	53361 SCWA KINGS PK RD	211MGTY	78-01-11	560	41	6.2	<1	0	30
404950073085001 S	53497 SCWA TOWNLINE RD	112GLCLU	77-11-12	173	76	5.7	<1	0	21
		112GLCLU	78-04-07	173	70	5.6	<1	0	17
405230072430001 S	53522 SCWA MRCHS-RVRHD	112GLCLU	77-10-26	294	66	6.6	<1	0	19
		112GLCLU	78-03-01	294	54	6.4	<1	0	18
405124072353603 S	53593 SCWA SPINNEY RD	112GLCLU	77-11-21	162	170	6.0	<1	0	54
		112GLCLU	78-03-27	162	155	6.7	<1	0	51
405140073191001 S	53747 SCWA LARKFIELD R	211MGTY	77-11-30	454	37	5.8	<1	0	18
		211MGTY	78-01-17	454	36	5.6	<1	0	12
404914073095603 S	53850 SCWA LIBERTY ST.	112GLCLU	77-11-08	188	102	6.7	<1	0	54
		112GLCLU	78-04-07	188	98	6.7	<1	0	40

DATE OF SAMPLE	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)
77-11-06	5.4	1.9	4.3	.6	22	2.2	3.2	2.5	.02	<.01	<.01	.23
78-02-26	5.2	1.8	4.0	.6	22	5.5	2.9	2.5	.01	<.01	.05	<.10
77-10-11	16	3.2	8.7	1.2	34	5.4	10	9.5	3.0	<.01	<.01	<.10
78-02-03	4.0	2.0	5.5	.6	11	E13	8.1	6.5	.55	<.01	<.01	<.10
77-10-11	4.1	1.7	5.0	.7	13	E10	6.3	6.0	.77	<.01	<.01	<.10
78-03-12	5.7	2.0	5.2	.6	14	E11	8.3	6.0	.74	<.01	<.01	<.10
77-12-11	2.7	1.4	4.4	.7	9	--	7.0	3.5	.68	<.01	<.01	<.10
78-03-21	3.4	1.5	4.6	.7	9	--	7.1	5.5	.95	<.01	<.01	<.10
77-12-14	6.7	2.3	4.7	.6	20	5.0	7.5	5.0	.20	<.01	<.01	<.10
78-03-21	5.9	2.3	4.6	.6	20	3.2	7.9	5.0	.38	<.01	<.01	<.10
77-12-13	3.8	1.5	4.0	.5	18	E11	1.3	3.5	1.0	<.01	<.01	<.10
78-04-15	4.3	1.4	3.9	.4	18	7.2	1.6	4.0	1.1	<.01	<.01	<.10
78-01-11	3.5	1.1	3.6	.4	14	E14	1.5	4.5	.70	<.01	<.01	<.10
77-11-12	3.3	1.5	6.8	.7	9	--	6.9	7.5	1.1	<.01	<.01	<.10
78-04-07	3.7	1.5	6.5	.6	11	--	7.7	8.0	1.1	<.01	<.01	<.10
77-10-26	4.9	1.3	5.3	.4	17	6.8	4.3	5.5	.14	<.01	<.01	<.10
78-03-01	3.2	1.2	4.3	.4	11	7.0	4.5	5.0	.17	<.01	<.01	<.10
77-11-21	10	6.3	8.4	.7	13	E21	22	11	4.2	<.01	<.01	<.10
78-03-27	13	6.7	7.7	1.0	13	4.1	31	12	3.5	<.01	<.01	<.10
77-11-30	1.7	.5	3.4	.4	6	--	.5	3.0	1.0	.04	<.01	<.10
78-01-17	1.7	.5	3.6	.4	5	--	.6	4.5	1.1	<.01	<.01	<.10
77-11-08	9.8	4.0	4.9	.7	32	E10	6.7	5.0	.67	<.01	<.01	<.10
78-04-07	9.6	4.5	4.6	.6	35	E12	8.0	6.0	.85	<.01	<.01	<.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

DATE OF SAMPLE	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
77-11-06	--	30	70	<10	--	<10	<.02
78-02-26	<0	20	50	<10	<.2	240	<.02
77-10-11	--	30	<10	<10	--	<10	<.02
78-02-03	<0	20	<10	<10	.4	<10	<.02
77-10-11	--	10	<10	<10	--	20	<.02
78-03-12	<0	30	<10	<10	<.2	<10	<.02
77-12-11	--	20	80	30	--	480	<.02
78-03-21	<0	20	<10	30	<.2	30	<.02
77-12-14	--	<10	<10	<10	--	70	<.02
78-03-21	<0	<10	<10	<10	<.2	<10	<.02
77-12-13	--	20	30	20	--	20	<.02
78-04-15	<0	20	30	<10	<.2	40	<.02
78-01-11	<0	20	40	<10	<.2	<10	<.02
77-11-12	--	<10	<10	40	--	<10	<.02
78-04-07	<0	60	30	40	<.2	40	<.02
77-10-26	--	40	100	<10	--	20	<.02
78-03-01	<0	30	<10	<10	<.2	<10	<.02
77-11-21	--	120	40	<10	--	20	<.02
78-03-27	<0	450	50	20	<.2	80	<.02
77-11-30	--	80	60	<10	--	<10	<.02
78-01-17	<0	40	70	<10	<.2	<10	<.02
77-11-08	--	40	80	<10	--	200	<.02
78-04-07	<0	30	<10	<10	<.2	<10	<.02

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	HARDNESS (MG/L AS CACO3)
405230072430002 S 53851	SCWA MRCHS-RVRHD	112GLCLU	77-10-28	239	61	6.5	<1	0	20
		112GLCLU	78-03-21	239	61	6.5	<1	0	17
405359073182801 S 54162	SCWA MIDDLEVILLE	112GLCLU	78-01-11	544	95	6.6	<1	0	42
404805073051502 S 54305	SCWA LINCOLN AVE	211MGTY	78-01-30	349	50	6.1	<1	0	14
404759073122501 S 54308	SCWA DOLORES PL.	211MGTY	77-11-12	794	32	5.8	<1	0	15
		211MGTY	78-04-09	794	30	5.8	<1	0	9
405030073032103 S 54473	SCWA COLLEGE RD	112GLCLU	77-11-15	312	95	6.8	<1	0	36
		112GLCLU	78-03-28	312	79	7.1	<1	0	38
404210073250202 S 54568	SCWA ALBANY AVE	211MGTY	78-03-07	423	46	4.7	<1	0	8
404722073030501 S 54730	SCWA GREENBELT P	211MGTY	78-01-17	259	47	5.9	<1	0	14
405332072242001 S 55028	SCWA W PROSPECT	112GLCLU	77-11-22	161	290	6.0	<1	0	94
		112GLCLU	78-03-20	161	270	6.2	<1	0	99
404458073182503 S 55463	SCWA BROOK ST.	211MGTY	77-10-06	360	22	5.3	<1	0	2
405410073010502 S 55502	SCWA CHESTNUT ST	112GLCLU	77-12-11	595	46	6.5	<1	0	14
		112GLCLU	78-03-21	595	45	6.8	<1	0	13
404326073174101 S 55733	SCWA SUNRISE HWY	211MGTY	77-12-20	233	62	5.4	<1	0	43
		211MGTY	78-04-05	233	68	5.6	<1	0	35
405014072492501 S 56038	SCWA CNTRY CLUB	112GLCLU	77-10-11	155	83	6.5	<1	0	26
		112GLCLU	78-02-26	155	95	6.3	<1	0	29

DATE OF SAMPLE	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)
77-10-28	4.5	1.3	4.8	.4	17	8.6	4.2	5.0	.18	<.01	<.01	<.10
78-03-21	4.4	1.3	5.0	.4	14	7.0	4.6	6.5	.16	<.01	.03	<.10
78-01-11	10	1.9	5.7	.6	21	8.4	4.3	7.5	2.7	<.01	<.01	<.10
78-01-30	2.7	.9	4.3	.4	13	E16	1.2	4.5	1.0	<.01	.02	<.10
77-11-12	1.3	.8	3.0	.4	9	--	2.1	2.5	<.01	<.01	<.01	<.10
78-04-09	1.5	.8	3.0	.4	9	--	2.8	3.5	.05	<.01	<.01	<.10
77-11-15	9.1	2.6	6.5	.7	31	7.8	4.5	4.5	.71	<.01	<.01	2.6
78-03-28	9.0	2.7	4.7	.6	32	4.0	4.3	4.5	.53	<.01	<.01	.52
78-03-07	2.5	.9	4.0	.6	6	--	5.2	9.0	<.01	<.01	<.01	.65
78-01-17	3.1	1.0	3.5	.4	11	--	6.7	3.5	<.01	<.01	<.01	<.10
77-11-22	23	8.7	11	1.7	15	E24	54	22	5.8	<.01	<.01	<.10
78-03-20	25	9.0	10	2.4	13	E13	56	21	6.1	<.01	<.01	<.10
77-10-06	.8	.3	2.8	.3	3	--	2.4	3.0	<.01	<.01	<.01	<.10
77-12-11	3.1	1.0	3.5	.5	14	7.0	2.3	3.5	.08	<.01	.01	<.10
78-03-21	4.2	1.1	3.5	.5	13	3.3	2.7	3.0	.05	<.01	<.01	<.10
77-12-20	6.3	1.5	5.8	.4	10	--	10	8.0	<.01	<.01	<.01	.55
78-04-05	4.6	1.5	6.0	.4	11	--	9.8	8.0	.06	<.01	.20	1.0
77-10-11	6.4	2.2	5.8	.5	16	8.0	10	7.0	1.5	<.01	<.01	<.10
78-02-26	6.8	2.4	5.8	.5	16	E12	9.6	7.5	1.7	<.01	<.01	<.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

DATE OF SAMPLE	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
77-10-28	--	30	70	<10	--	<10	<.02
78-03-21	<0	<10	20	<10	<.2	<10	<.02
78-01-11	<0	20	50	<10	<.2	30	<.02
78-01-30	<0	50	<10	<10	<.2	20	<.02
77-11-12	--	<10	80	20	--	<10	<.02
78-04-09	<0	20	90	<10	<.2	40	<.02
77-11-15	--	<10	320	20	--	20	<.02
78-03-28	<0	<10	200	30	<.2	<10	<.02
78-03-07	<0	<10	400	30	<.2	670	<.02
78-01-17	<0	30	<10	30	<.2	<10	<.02
77-11-22	--	30	<10	<10	--	20	<.02
78-03-20	<0	30	70	<10	<.2	140	.04
77-10-06	--	30	100	20	--	20	<.02
77-12-11	--	<10	<10	<10	--	10	<.02
78-03-21	<0	<10	<10	<10	<.2	90	<.02
77-12-20	--	30	680	50	--	120	<.02
78-04-05	<0	20	620	60	<.2	20	<.02
77-10-11	--	40	40	<10	--	50	<.02
78-02-26	<0	10	20	<10	<.2	<10	<.02

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	HARDNESS (MG/L AS CACO3)
405014072492502 S	56039 SCWA CNTRY CLUB	112GLCLU	77-10-11	160	102	6.4	<1	0	26
		112GLCLU	78-04-04	160	95	6.3	<1	0	38
405434073194202 S	56133 SCWA WATERSIDE R	112GLCLU	78-01-11	333	106	6.4	<1	0	41
404950073001501 S	56674 SCWA FAIRMOUNT	112GLCLU	77-12-08	180	93	6.7	<1	0	31
		112GLCLU	78-04-02	180	92	6.4	<1	0	32
404658073164201 S	57008 SCWA EMJAY BLVD	211MGTY	77-11-14	704	150	6.7	<1	0	53
		211MGTY	78-04-11	704	104	5.8	<1	0	34
410249072554501 S	57357 SCWA S FULTON	112GLCLU	77-11-22	89	220	6.2	<1	0	48
		112GLCLU	78-03-28	89	180	6.3	<1	0	40
404612073055002 S	57871 SCWA CHURCH BHMA	112GLCLU	78-01-18	154	105	6.2	<1	0	25
405614073051501 S	57979 SCWA SHERRY DR	211MGTY	77-10-03	583	27	5.8	<1	0	7
		211MGTY	78-02-15	583	29	5.9	<1	0	12

DATE OF SAMPLE	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)
77-10-11	8.3	2.8	6.3	.7	24	E15	10	6.0	2.5	<.01	<.01	<.10
78-04-04	7.9	2.9	6.0	.6	18	E14	9.8	6.5	1.8	<.01	<.01	<.10
78-01-11	10	4.3	6.6	.8	30	9.5	5.1	9.0	2.3	<.01	<.01	<.10
77-12-08	6.9	2.4	5.5	.7	20	6.3	8.9	5.5	.99	<.01	<.01	<.10
78-04-02	6.7	2.4	5.8	.8	19	E12	9.5	6.0	.92	<.01	<.01	<.10
77-11-14	21	3.5	6.2	.5	44	E14	22	7.0	1.3	<.01	<.01	<.10
78-04-11	8.4	3.1	4.8	.4	11	--	16	7.0	1.3	<.01	<.01	<.10
77-11-22	10	5.2	26	1.4	28	E28	7.2	53	.31	<.01	<.01	<.10
78-03-28	8.3	4.1	19	1.3	25	E20	7.4	33	.25	.02	<.01	<.10
78-01-18	7.8	2.0	8.8	5.0	21	E21	6.7	14	.57	<.01	<.01	<.10
77-10-03	1.3	.6	3.1	.3	8	--	1.5	3.0	<.01	<.01	<.01	<.10
78-02-15	1.5	.6	3.0	.3	9	--	2.0	3.5	.03	<.01	<.01	<.10

DATE OF SAMPLE	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
77-10-11	--	40	360	30	--	20	<.02
78-04-04	<0	30	90	<10	<.2	<10	<.02
78-01-11	<0	30	70	<10	<.2	<10	<.02
77-12-08	--	<10	<10	<10	--	10	<.02
78-04-02	<0	<10	<10	<10	<.2	290	<.02
77-11-14	--	80	110	<10	--	250	<.02
78-04-11	<0	60	90	20	<.2	<10	<.02
77-11-22	--	20	<10	<10	--	40	<.02
78-03-28	--	<10	<10	<10	--	20	<.02
78-01-18	<0	20	50	30	<.2	200	<.02
77-10-03	--	40	40	<10	--	50	<.02
78-02-15	<0	50	50	<10	<.2	20	<.02

* The symbol "E" before a reported value indicates that the value was estimated.

Geological unit (aquifer):
112GLCLU - Upper glacial aquifer, Pleistocene age
211LLYD - Lloyd aquifer, Cretaceous age
211MGTY - Magothy aquifer, Cretaceous age

INDEX

FACTORS FOR CONVERTING INCH-POUND UNITS TO INTERNATIONAL SYSTEM UNITS (SI)

The following factors may be used to convert the inch-pound units published herein to the International System of Units (SI). This report contains both the inch-pound and SI unit equivalents in the station manuscript descriptions.

Multiply inch-pound units	By	To obtain SI units
	Length	
inches (in)	2.54×10^{1}	millimeters (mm)
	2.54×10^{-2}	meters (m)
feet (ft)	3.048×10^{-1}	meters (m)
miles (mi)	1.609×10^{0}	kilometers (km)
	Area	
acres	4.047×10^{3}	square meters (m^2)
	4.047×10^{-1}	square hectometers (hm^2)
	4.047×10^{-3}	square kilometers (km^2)
square miles (mi^2)	2.590×10^{0}	square kilometers (km^2)
	Volume	
gallons (gal)	3.785×10^{0}	liters (L)
	3.785×10^{0}	cubic decimeters (dm^3)
	3.785×10^{-3}	cubic meters (m^3)
million gallons	3.785×10^{3}	cubic meters (m^3)
	3.785×10^{-3}	cubic hectometers (hm^3)
cubic feet (ft^3)	2.832×10^{1}	cubic decimeters (dm^3)
	2.832×10^{-2}	cubic meters (m^3)
cfs-days	2.447×10^{3}	cubic meters (m^3)
	2.447×10^{-3}	cubic hectometers (hm^3)
acre-feet (acre-ft)	1.233×10^{3}	cubic meters (m^3)
	1.233×10^{-3}	cubic hectometers (hm^3)
	1.233×10^{-6}	cubic kilometers (km^3)
	Flow	
cubic feet per second (ft^3/s)	2.832×10^{1}	liters per second (L/s)
	2.832×10^{1}	cubic decimeters per second (dm^3/s)
	2.832×10^{-2}	cubic meters per second (m^3/s)
gallons per minute (gal/min)	6.309×10^{-2}	liters per second (L/s)
	6.309×10^{-2}	cubic decimeters per second (dm^3/s)
	6.309×10^{-5}	cubic meters per second (m^3/s)
million gallons per day	4.381×10^{1}	cubic decimeters per second (dm^3/s)
	4.381×10^{-2}	cubic meters per second (m^3/s)
	Mass	
tons (short)	9.072×10^{-1}	megagrams (Mg) or metric tons

U.S. DEPARTMENT OF THE INTERIOR
Geological Survey
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