Water Resources Data New York

Water Year 1981

Volume 2. Long Island

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT NY-81-2
Prepared in cooperation with the State of New York
and with other agencies

CALENDAR FOR WATER YEAR 1981

1980

OCTOBER

S	M	T	W	T	F	S
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1981

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APRIL

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30	31					

SEPTEMBER

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20	21	22	23	24	25	26
27	28	29	30			

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

UNITED STATES DEPARTMENT OF THE INTERIOR

JAMES G. WATT, Secretary

GEOLOGICAL SURVEY

Dallas L. Peck, Director

For information on the water program in New York write to
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1982

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 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 Philip Cohen, Chief Hydrologist, U.S. Geological Survey, and R. J. Dingman, Assistant Chief Hydrologist for Scientific Publications and Data Management.

Data for New York are in three volumes as follows:

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

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Water resources data for the 1981 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 17 gaging stations; water quality at 17 gaging stations, 206 wells, and 3 precipitation stations; and water levels at 123 observation wells. Also included are data for 79 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 Volumes 1 and 3 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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VI GAGING STATIONS, IN DOWNSTREAM ORDER, FOR WHICH RECORDS ARE PUBLISHED

[*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*]

STREAMS ON LONG ISLAND

WATER RESOURCES DATA FOR NEW YORK, 1981
Volume 2.--Long Island

INTRODUCTION

Water resources data for the 1981 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 17 gaging stations; water quality at 17 gaging stations, 206 wells, and 3 precipitation stations; and water levels at 123 observation wells. Also included are data for 79 low-flow partial-record stations. Locations of these sites are shown on pages 22-30. 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 Volumes 1 and 3 represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating State, local, and Federal agencies in New York.

Records of discharge and stage of streams, and contents or stage of lakes and reservoirs were first published in a series of U.S. Geological Survey water-supply papers entitled "Surface Water Supply of the United States." Through September 30, 1960, these water-supply papers were in an annual series and then in a 5-year series for 1961-65 and 1966-70. Records of chemical quality, water temperatures, and suspended sediment were published from 1941 to 1970 in an annual series of water-supply papers entitled "Quality of Surface Waters of the United States." Records of ground-water levels were published from 1935 to 1974 in a series of water-supply papers entitled "Ground-Water levels in the United States." Water-supply papers may be consulted in the libraries of the principal cities in the United States or may be purchased from the Branch of Distribution, U.S. Geological Survey, 604 South Pickett Street, Alexandria, Virginia, 22304.

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

Beginning with the 1971 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-81-2". 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 agreements with the Survey are:

New York State Department of Environmental Conservation, Robert F. Flacke, commissioner.
County of Nassau, Department of Public Works, M. R. Pender, commissioner.
County of Suffolk, Department of Health Services, Dr. David Harris, 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 Health Services 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, William J. Flipse, Jr. and Elizabeth A. Montano.

SUMMARY OF HYDROLOGIC CONDITIONS

At the beginning of the 1981 water year, streamflow and ground-water levels were about average, but continued on a declining trend. Above-average precipitation in February caused a slight recovery, but streamflow and ground-water levels continued to decline and were below average during the remainder of the water year (figs. 2, 3, 4, and 5).

The maximum discharges of the 1981 water year in most Long Island streams occurred during the storm of November 28, but a storm on September 1 caused high peak discharges for the year in some south-shore streams in central Long Island. Generally, streamflow throughout Long Island was below average during the water year, reaching maximum monthly mean discharges at most stations in November, and minimum monthly mean discharges during August.

Ground-water levels in most wells continued to decline as in the second half of the previous water year. Water levels in some shallow wells rose in response to a rainstorm in June, then continued to decline the rest of the year. A few wells in southern Nassau and Suffolk Counties had record low water-level readings near the end of the water year.

The concentration of inorganic constituents in precipitation, surface water, and ground water during the 1981 water year showed no significant change from the previous year. Although concentrations of dissolved constituents in ground water are generally greatest in the upper glacial aquifer, significant concentrations have been detected in the upper part of the Magothy aquifer. Ground-water data from a 1-square mile area surrounding a proposed artificial-recharge site in Nassau County showed no significant changes in concentrations of organic compounds since water year 1979, when sampling started. Pesticide analyses of water from eight wells in this recharge site are presented on page 220. Water from four of these wells contained detectable amounts of Dieldrin, and water from two wells contained detectable amounts of Heptachlor epoxide (organochloride insecticides).

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 faculative 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 digestion 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 is that material in a representative water sample which passes through a 0.45 µm 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.

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.

Organic carbon (OC) is a measure of the organic matter present in aqueous solution and (or) suspension. May be reported in any of three categories (DOC, dissolved organic carbon; SOC, suspended organic carbon; TOC, total organic carbon).

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 (m^2), 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-accumulation 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 µm 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 µm 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 µm 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 1975.

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.

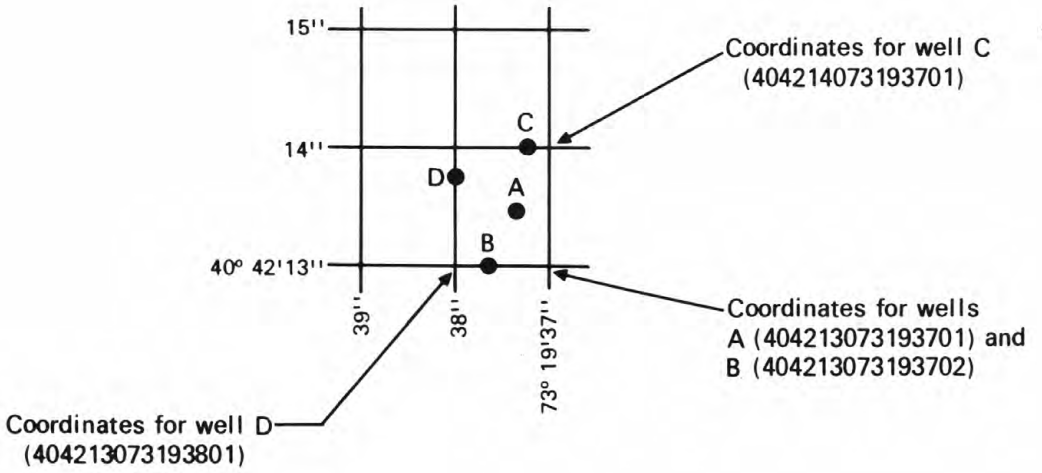

Figure 1. System for numbering wells (latitude and longitude).

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 consultation 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 11 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 6.

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 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 records 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 large 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).

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-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.
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.
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.
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.
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.
3-A3. *Measurement of peak discharge at culverts by indirect methods,* by G. L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages.
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.
3-A5. *Measurement of peak discharge at dams by indirect methods,* by Harry Hulsing: USGS--TWRI Book 3, Chapter A5. 1967. 29 pages.
3-A6. *General procedure for gaging streams,* by R. W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6. 1968. 13 pages.
3-A7. *Stage measurements at gaging stations,* by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages.
3-A8. *Discharge measurements at gaging stations,* by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages.
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.
3-B1. *Aquifer-test design, observation, and data analysis,* by R. W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages.
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.
3-C1. *Fluvial sediment concepts,* by H. P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.
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.
3-C3. *Computation of fluvial-sediment discharge,* by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages.
4-A1. *Some statistical tools in hydrology,* by H. C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages.
4-A2. *Frequency curves,* by H. C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages.
4-B1. *Low-flow investigations,* by H. C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972. 18 pages.
4-B2. *Storage analyses for water supply,* by H. C. Riggs and C. H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages.
4-B3. *Regional analyses of streamflow characteristics,* by H. C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages.
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.
5-A1. *Methods for determination of inorganic substances in water and fluvial sediments,* by M. W. Skougstad and others, editors: USGS--TWRI Book 5, Chapter A1. 1979. 626 pages.
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.
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.
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.
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.
5-C1. *Laboratory theory and methods for sediment analysis,* by H. P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 pages.
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.
7-C2. *Computer model of two-dimensional solute transport and dispersion in ground water,* by L. F. Konikow and J. D. Bredehoeft: USGS--TWRI Book 7, Chapter C2. 1978. 90 pages.
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.
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.

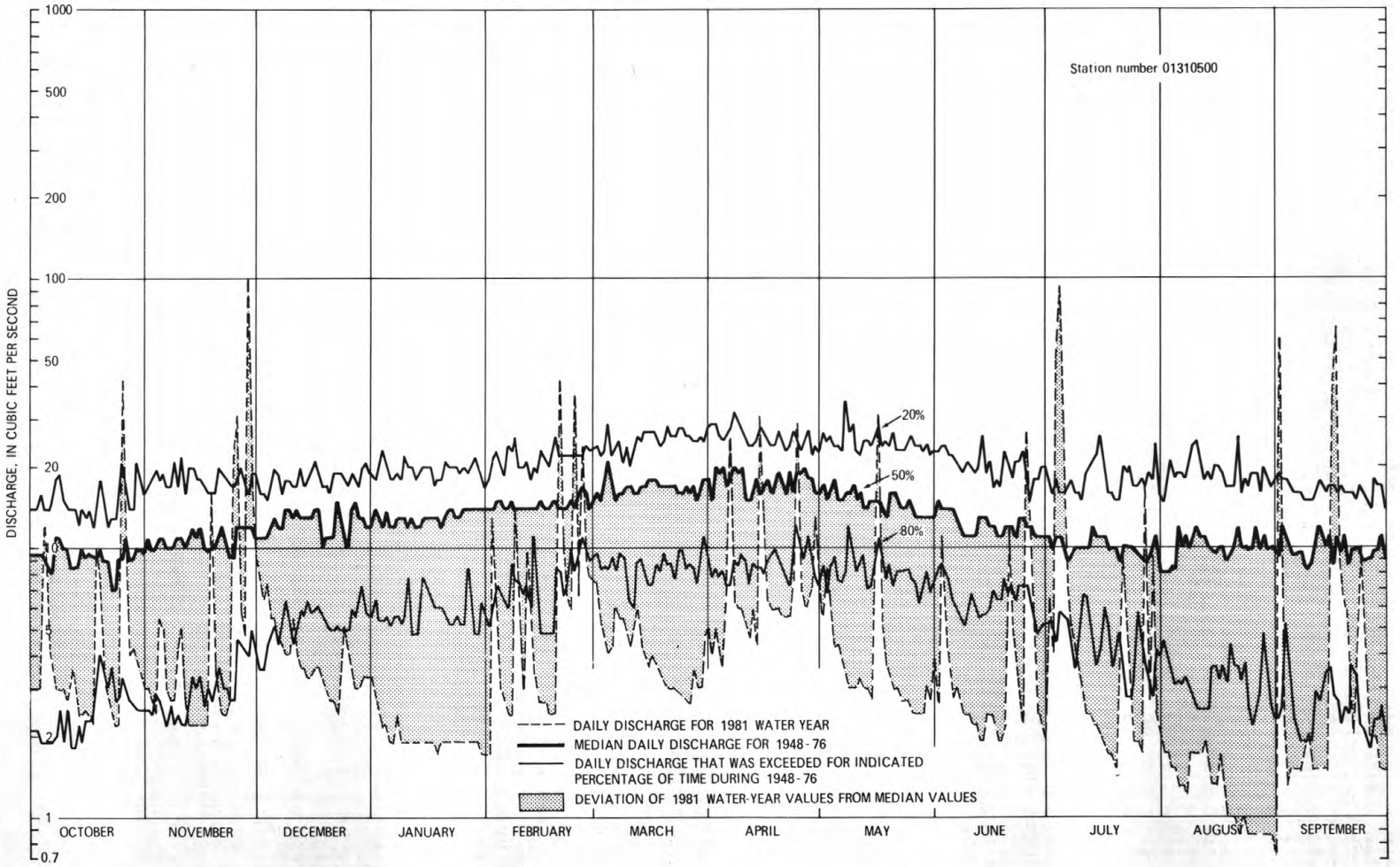

Figure 2.--Hydrographic Comparisons, East Meadow Brook at Freeport.

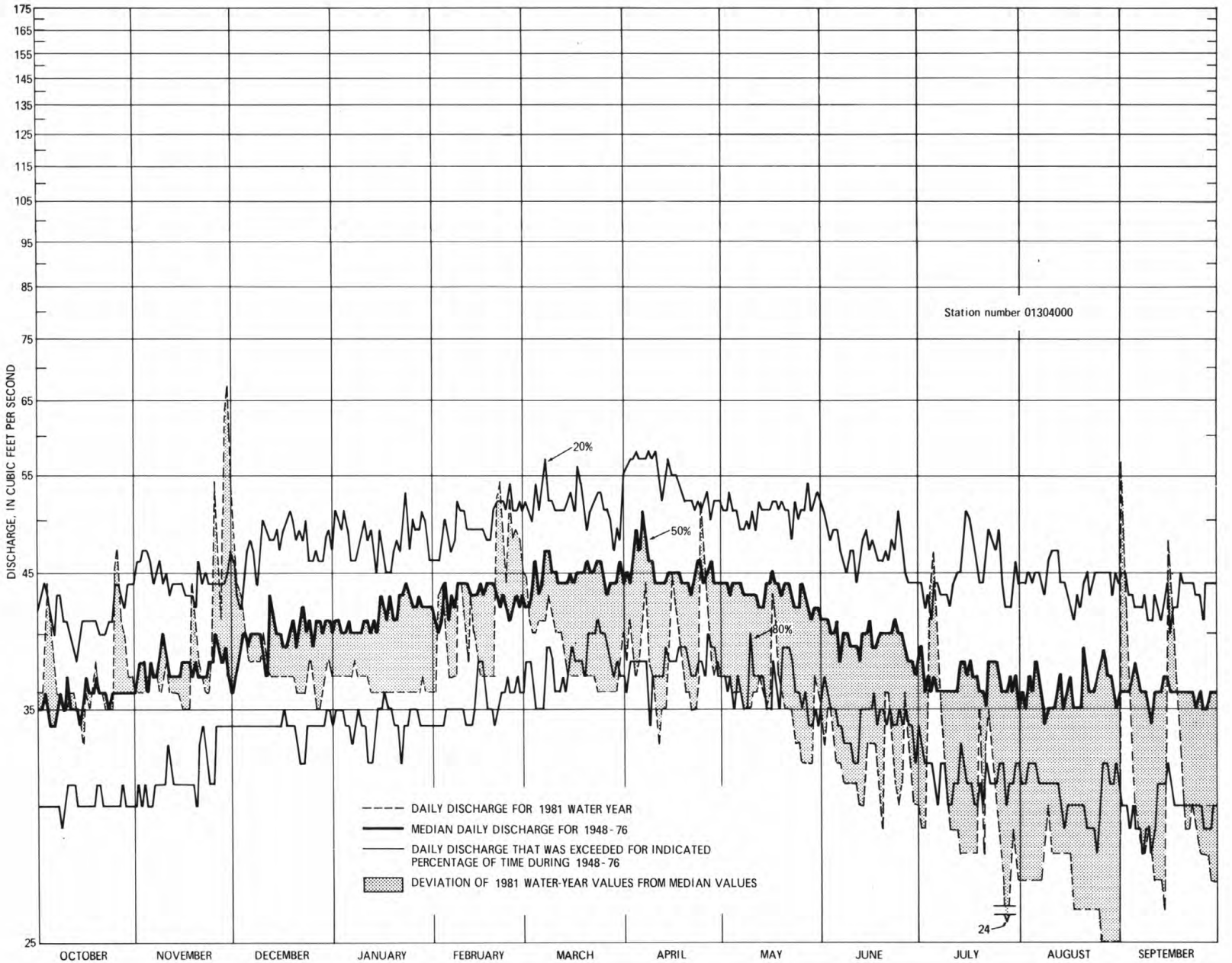

Figure 3.--Hydrographic Comparisons, Nissequogue River near Smithtown.

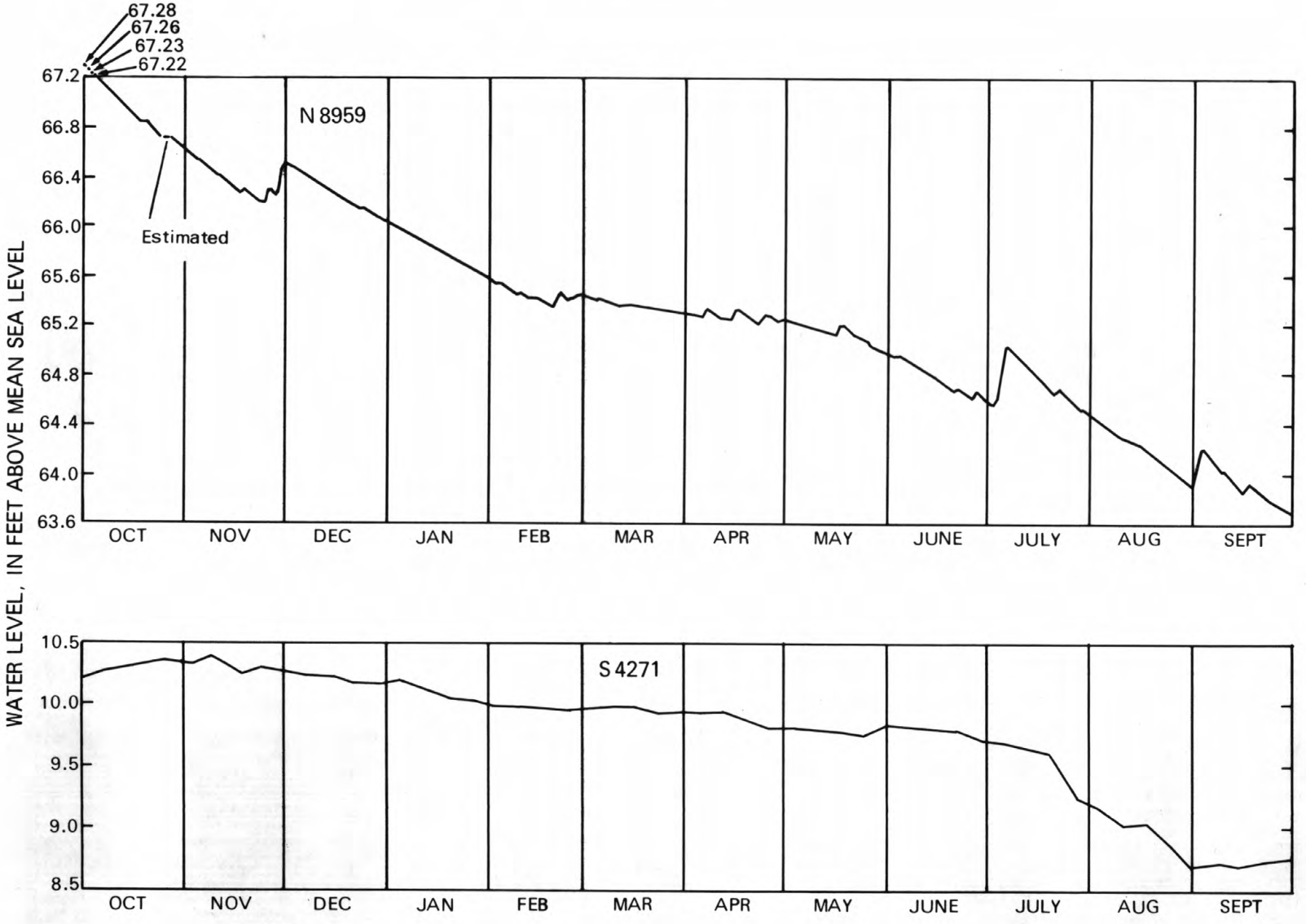

Figure 4.--Hydrographs of water-table well N8959 at East Meadow and water-table well S4271 at Riverhead.

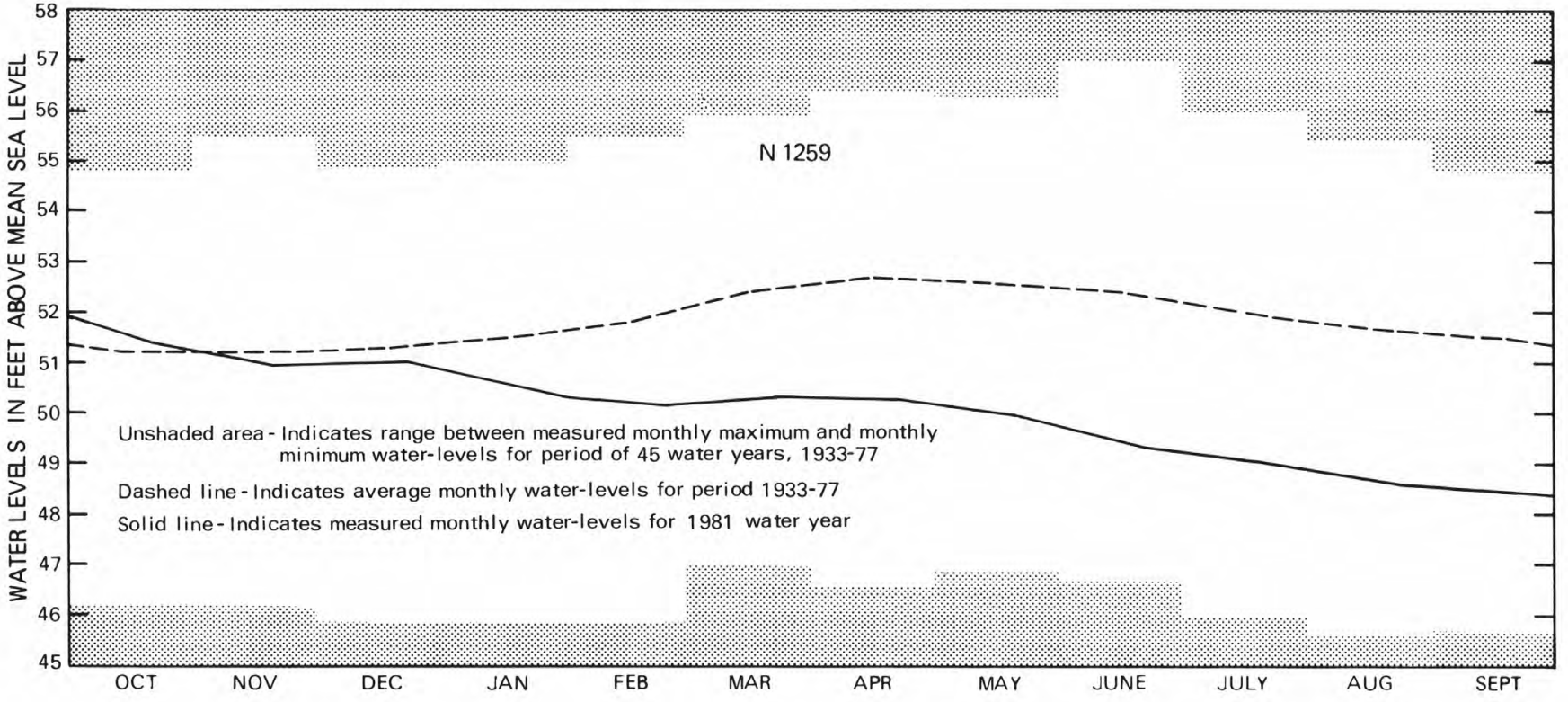

Figure 5.--Hydrograph of water-table observation well N1259 at Plainedge.

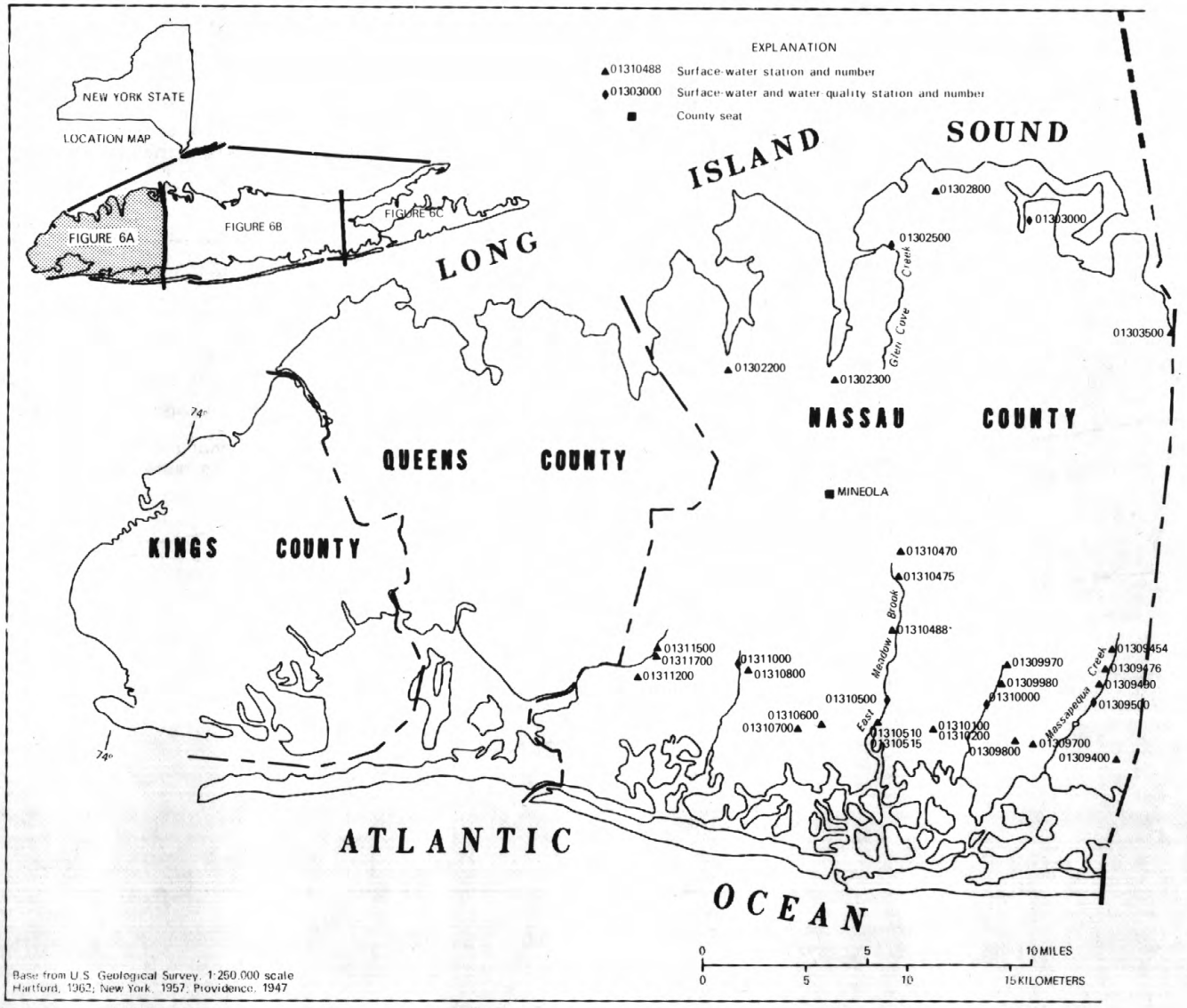

FIGURE 6A.-- LOCATION OF SURFACE-WATER DATA COLLECTION STATIONS

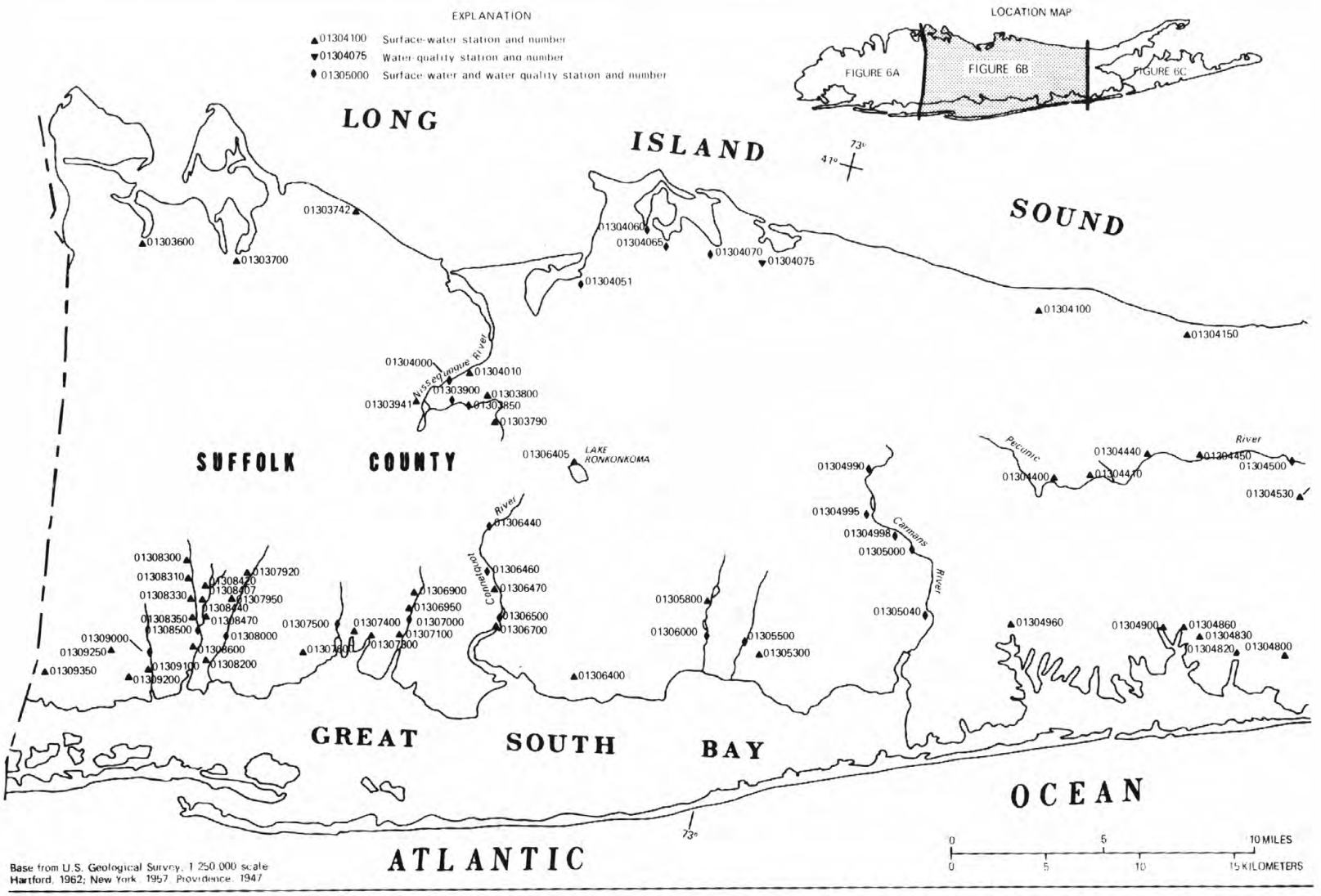

FIGURE 6B.-- LOCATION OF SURFACE-WATER DATA COLLECTION STATIONS

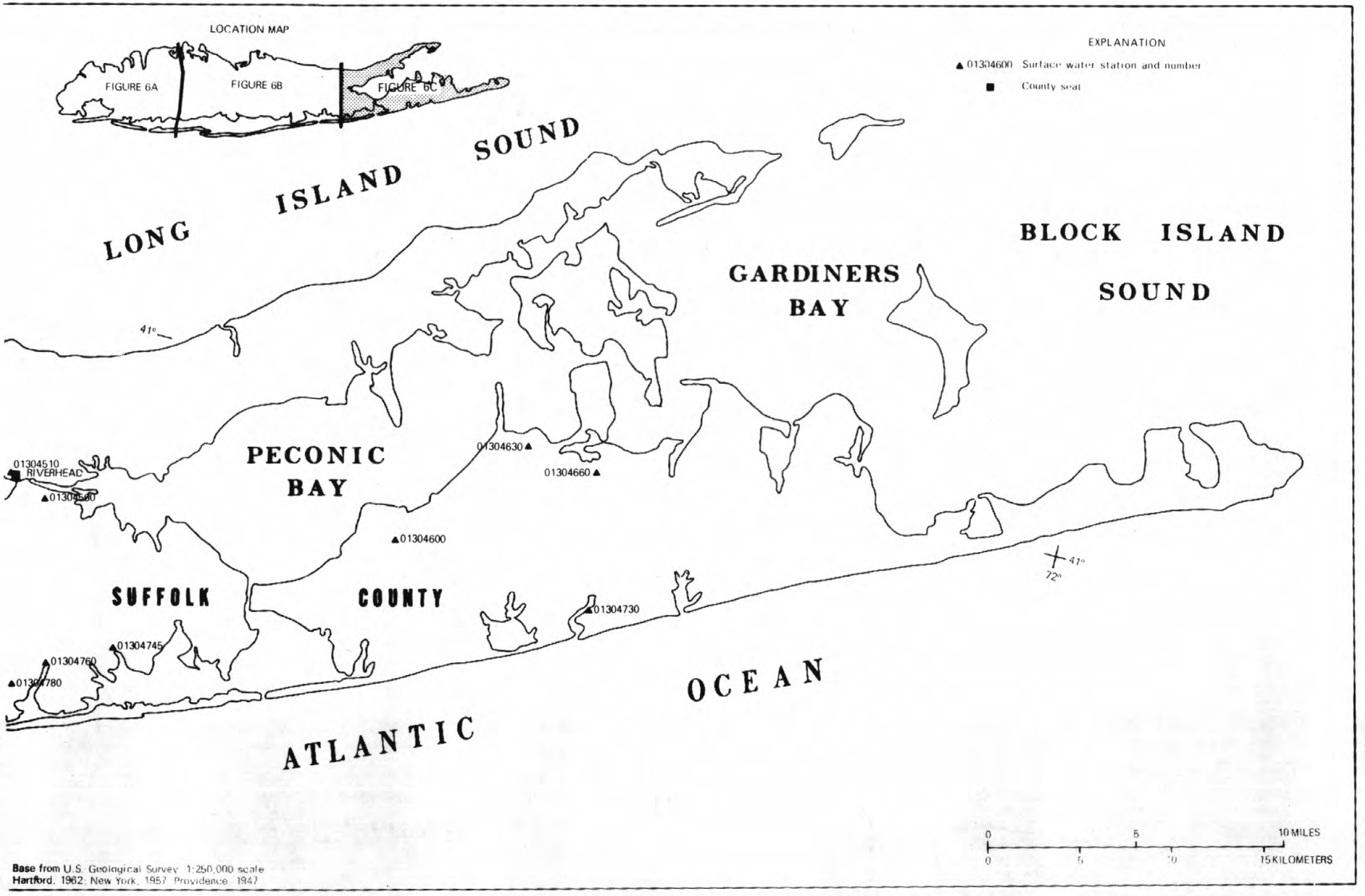

FIGURE 6C.-- LOCATION OF SURFACE-WATER DATA COLLECTION STATIONS

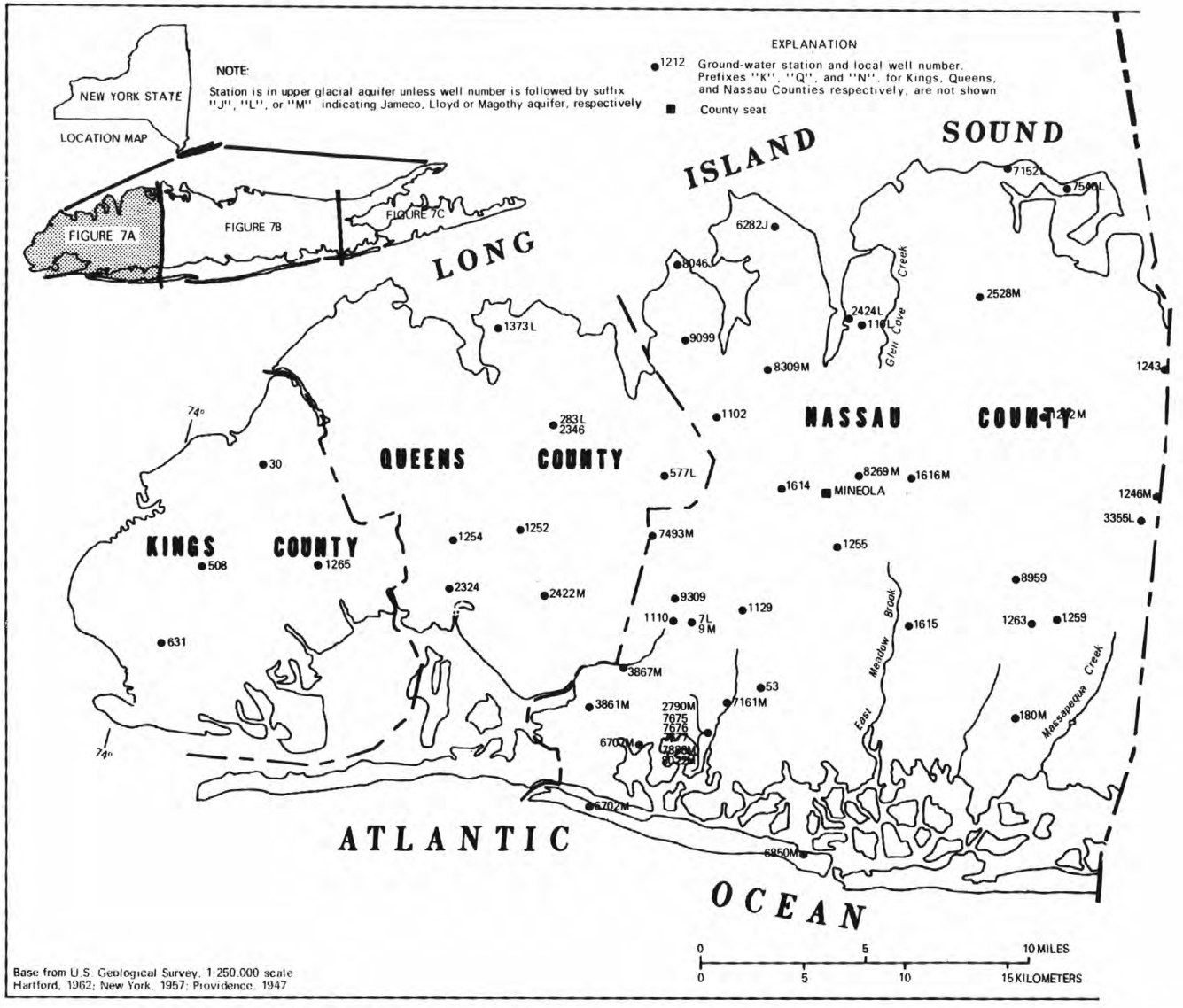

FIGURE 7A.-- LOCATION OF WATER-LEVEL DATA COLLECTION STATIONS

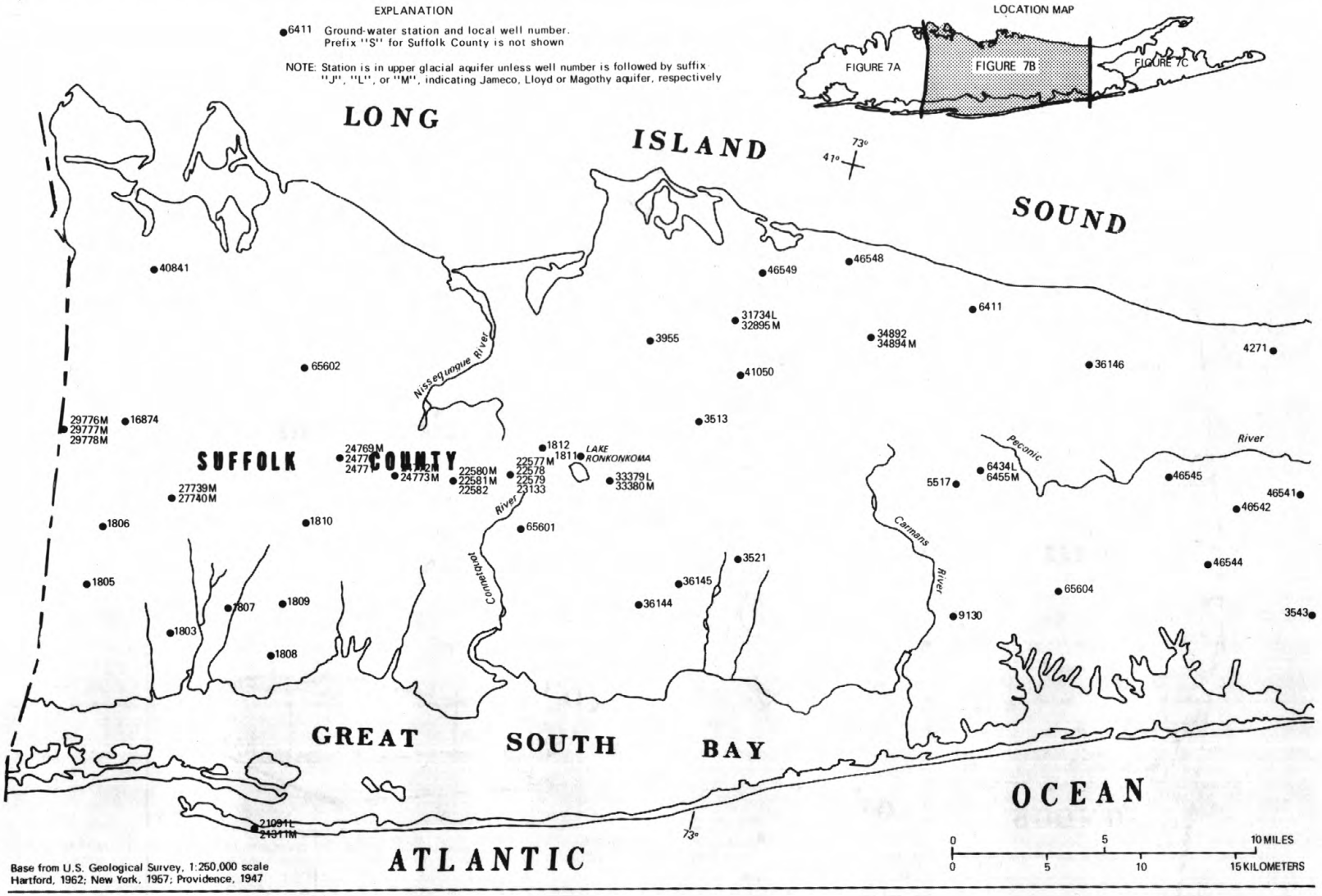

FIGURE 7B.-- LOCATION OF WATER-LEVEL DATA COLLECTION STATIONS

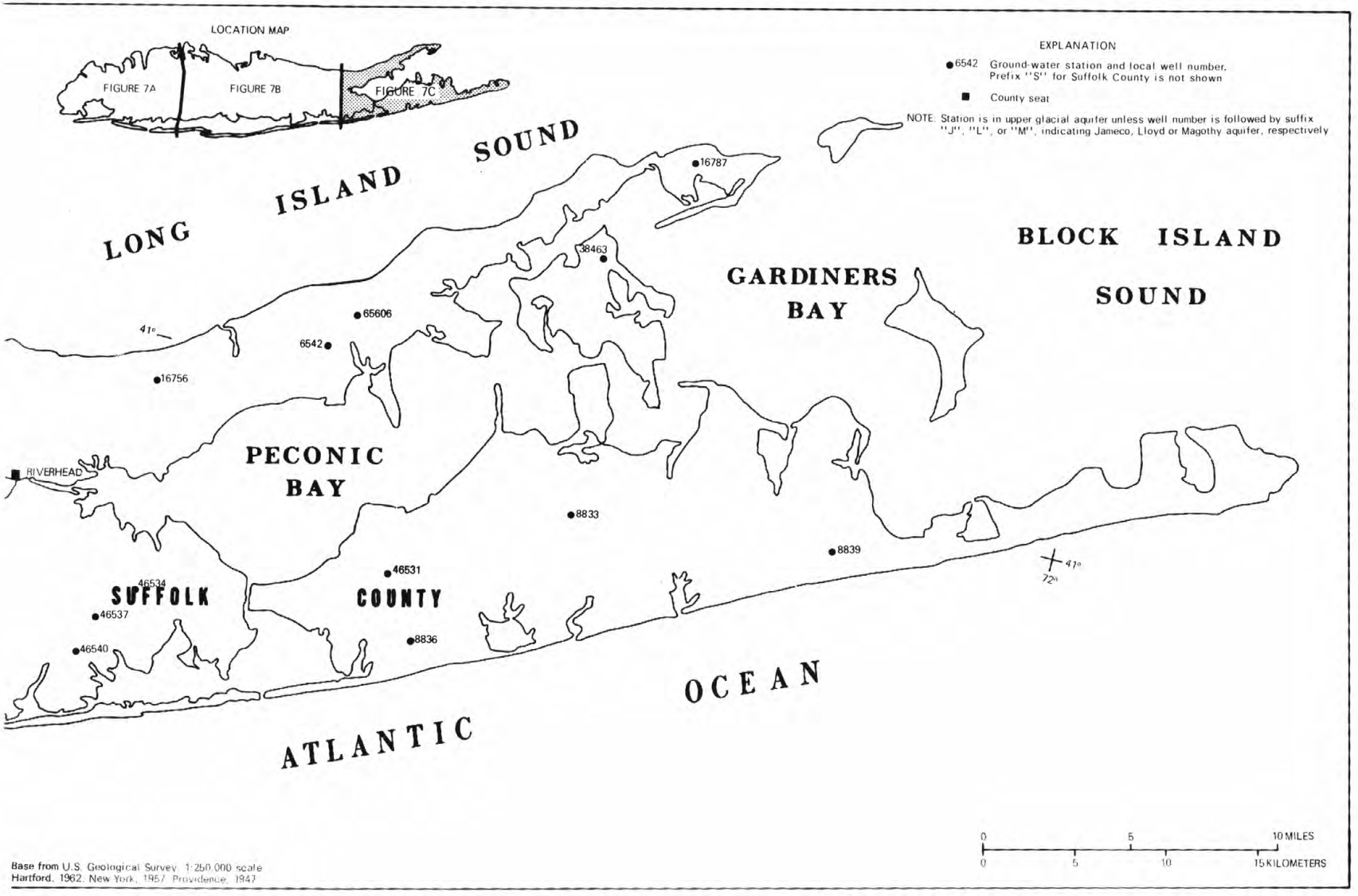

FIGURE 7C.-- LOCATION OF WATER-LEVEL DATA COLLECTION STATIONS

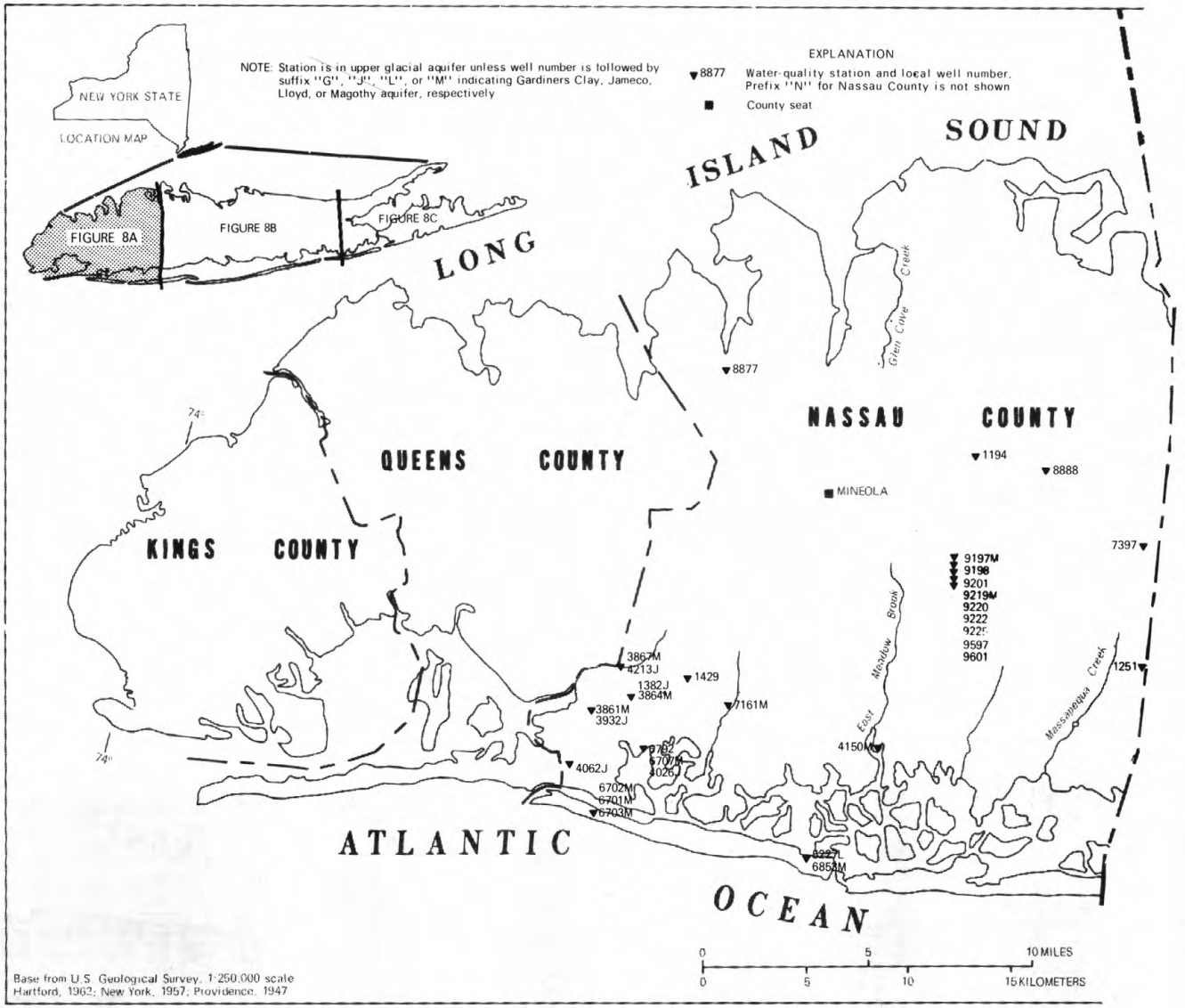

FIGURE 8A.-- LOCATION OF QUALITY OF GROUND-WATER DATA COLLECTION STATIONS

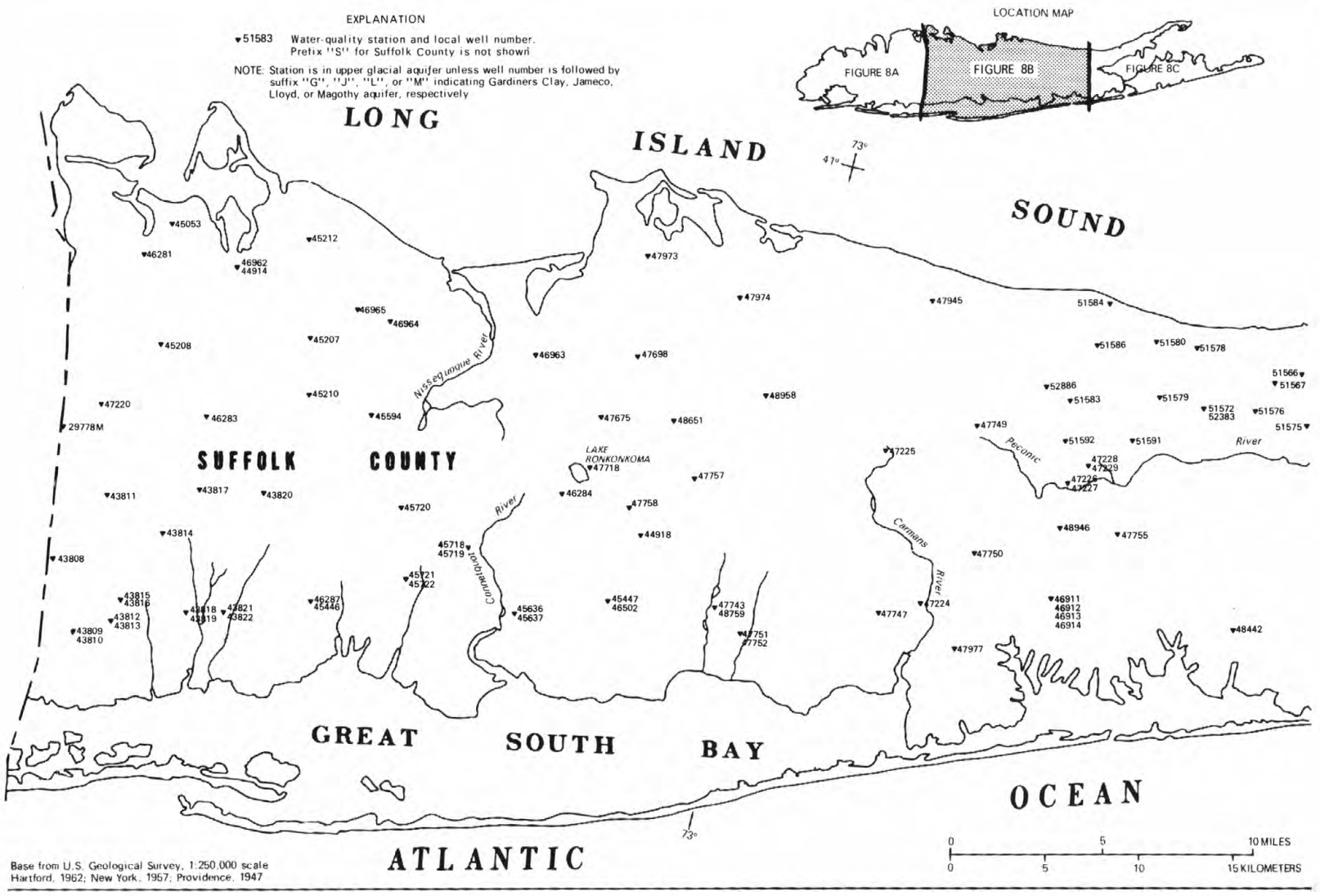

FIGURE 8B.-- LOCATION OF QUALITY OF GROUND-WATER DATA COLLECTION STATIONS

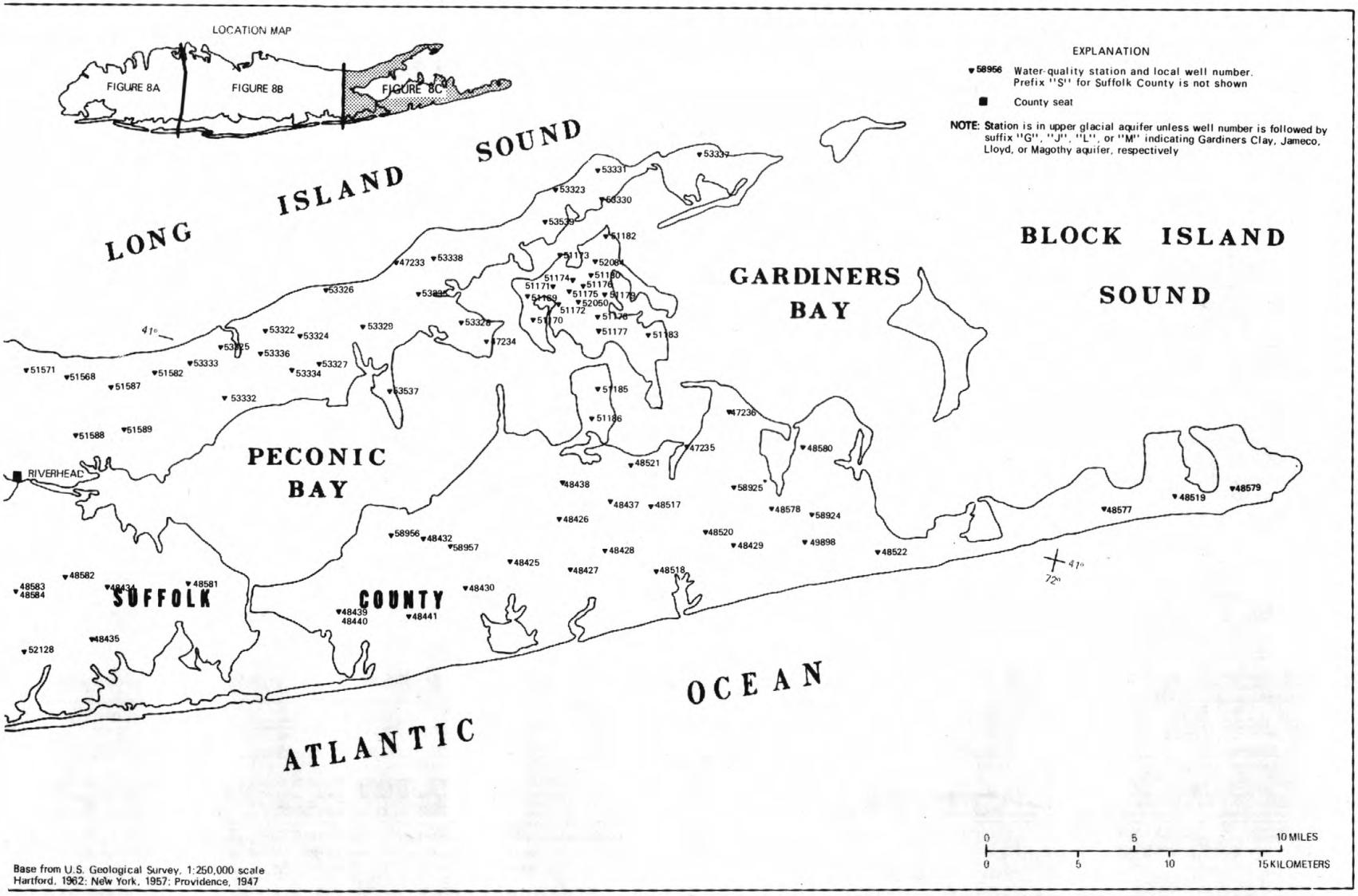

FIGURE 8C.-- LOCATION OF QUALITY OF GROUND-WATER DATA COLLECTION STATIONS

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, at 8- by 10-foot concrete culvert in Pratt Park, one block west of post office, in 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. Discharge during the year was significantly supplemented by construction activities upstream.

AVERAGE DISCHARGE.--43 years, 7.18 ft^3/s (0.203 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, 555 ft^3/s (15.7 m^3/s) May 15, gage height, 4.35 ft (1.326 m), from rating curve extended above 220 ft^3/s (6.23 m^3/s); minimum, 3.2 ft^3/s (0.091 m^3/s) Feb. 7, 8, gage height, 0.62 ft (0.189 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.0	7.4	9.5	7.2	3.7	5.6	4.5	4.2	4.6	5.8	4.1	19
2	8.5	7.4	8.6	7.2	16	4.8	5.1	6.9	9.7	6.1	4.1	6.1
3	9.4	7.4	8.0	7.2	4.9	4.3	4.0	4.3	5.1	13	4.2	5.3
4	11	11	7.6	7.2	4.8	4.0	4.0	4.2	6.5	44	4.2	4.5
5	7.8	7.8	7.4	7.2	3.8	4.3	12	4.2	4.5	13	4.2	4.3
6	7.9	7.6	7.4	7.2	3.6	6.0	8.4	4.3	4.3	9.3	4.2	4.3
7	7.9	7.8	7.4	7.4	3.4	4.7	5.3	4.1	4.2	6.3	4.3	4.3
8	7.9	7.6	7.4	7.2	11	5.0	4.6	4.1	4.2	5.1	5.4	26
9	7.9	11	8.4	7.2	5.1	4.6	4.5	4.0	4.4	4.7	4.2	8.1
10	7.9	8.0	7.8	7.3	4.6	4.3	4.2	5.1	4.5	4.5	4.6	6.1
11	9.1	7.5	7.4	7.2	13	4.4	4.0	8.1	4.5	4.3	4.8	5.0
12	7.9	7.5	7.4	7.2	6.8	4.0	4.1	8.4	4.6	4.3	4.4	4.3
13	7.8	7.5	7.4	7.3	4.8	4.0	3.8	4.6	4.5	4.5	4.2	3.8
14	7.7	7.5	7.3	7.2	4.1	3.8	14	4.4	5.2	4.7	4.2	4.0
15	7.7	7.4	7.4	7.2	3.8	3.9	6.3	26	4.7	4.5	4.2	7.8
16	7.7	7.4	7.8	7.2	3.8	4.4	5.3	9.9	4.7	4.3	4.9	22
17	7.3	7.5	7.4	7.2	3.9	4.0	4.7	6.6	4.7	4.4	4.1	9.4
18	14	18	7.4	7.2	3.9	3.9	4.9	5.5	4.6	4.2	4.1	7.8
19	7.8	8.5	7.3	7.5	4.6	4.1	4.0	4.8	5.4	4.1	4.2	7.4
20	7.8	8.1	7.2	7.5	36	3.9	4.0	4.4	14	8.6	4.1	6.1
21	7.9	7.8	7.2	7.2	12	3.8	4.0	4.3	9.7	8.9	4.1	5.9
22	7.8	7.4	9.1	7.2	7.6	3.8	4.0	4.2	6.6	4.6	4.0	6.3
23	7.7	7.4	10	7.4	9.0	3.9	10	4.1	5.0	4.4	4.0	6.7
24	7.7	26	7.5	7.2	17	4.0	8.9	4.1	5.0	4.2	4.2	5.9
25	30	13	7.3	7.2	6.8	4.0	6.3	4.3	20	4.2	4.2	5.9
26	11	11	7.2	7.4	14	3.9	5.1	4.6	5.1	4.1	4.2	5.9
27	9.6	8.4	7.2	7.4	8.7	4.2	4.7	5.0	4.8	4.7	5.6	5.9
28	9.3	47	7.2	7.3	7.5	3.9	5.0	5.7	4.5	4.2	4.5	5.9
29	7.8	16	8.0	7.2	---	3.9	5.3	7.5	4.5	4.6	4.3	5.9
30	7.6	12	7.4	6.1	---	6.1	4.3	4.1	4.5	4.2	4.3	5.7
31	7.5	---	7.2	3.5	---	4.3	---	4.6	---	4.2	4.5	---
TOTAL	282.9	325.9	238.8	220.1	228.2	133.8	169.3	180.6	178.6	212.0	134.6	225.6
MEAN	9.13	10.9	7.70	7.10	8.15	4.32	5.64	5.83	5.95	6.84	4.34	7.52
MAX	30	47	10	7.5	36	6.1	14	26	20	44	5.6	26
MIN	7.3	7.4	7.2	3.5	3.4	3.8	3.8	4.0	4.2	4.1	4.0	3.8

CAL YR 1980 TOTAL 3595.8 MEAN 9.82 MAX 116 MIN 4.1
WTR YR 1981 TOTAL 2530.4 MEAN 6.93 MAX 47 MIN 3.4

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 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	HARD-NESS (MG/L AS CACO3)
DEC 19...	1215	7.4	245	6.6	12.5	--	6.6	61	--
MAR 25...	0755	3.8	280	6.6	10.0	760	6.8	60	120
JUN 24...	0935	5.0	280	6.4	16.0	766	4.1	41	74

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS 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)
DEC 19...	--	--	--	--	31	--	--	.1	--
MAR 25...	36	8.3	17	2.1	--	26	29	--	--
JUN 24...	19	6.5	20	2.1	52	29	27	<.1	16

DATE	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)	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, 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 19...	--	4.9	<.010	--	.030	--	320	60	.00
MAR 25...	--	--	<.010	.070	--	<.010	--	--	.00
JUN 24...	151	--	--	--	--	--	510	180	.00

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 mi² (29.8 km²).

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) National Geodetic Vertical Datum of 1929. 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.--44 years, 9.17 ft³/s (0.260 m³/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 137 ft³/s (3.88 m³/s) Sept. 12, 1960, gage height, 1.60 ft (0.488 m), from rating curve extended above 70 ft³/s (1.98 m³/s); maximum gage height, 4.85 ft (1.478 m) Sept. 21, 1938 (hurricane wave); minimum discharge, 0.09 ft³/s (0.003 m³/s) Dec. 11, 1941 (result of freezeup); minimum gage height, 0.14 ft (0.043 m) Sept. 8, 1939 (result of wind action).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 32 ft³/s (0.91 m³/s) and maximum (*):

		Discharge		Gage height				Discharge		Gage height	
Date	Time	(ft³/s)	(m³/s)	(ft)	(m)	Date	Time	(ft³/s)	(m³/s)	(ft)	(m)
Oct. 25	1230	Tidal Effect		*2.03	0.619	July 4	2030	*37	1.05	0.79	0.241
Nov. 28	1700	33	0.93	.74	.226						

Minimum discharge, 4.4 ft³/s (0.12 m³/s) Aug. 18-22, Sept. 29, 30, gage height, 0.20 ft (0.061 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.7	7.3	9.0	7.3	6.8	8.2	7.3	6.7	5.7	5.8	5.0	21
2	8.0	7.3	8.6	7.4	11	7.8	7.5	7.7	7.0	6.5	4.8	12
3	8.8	7.9	8.0	7.3	11	7.2	7.0	7.2	7.3	11	4.9	7.8
4	10	9.3	8.0	7.1	8.3	7.1	6.6	6.8	7.7	20	5.0	6.3
5	8.6	10	7.7	6.9	7.1	8.0	7.1	6.3	6.7	22	5.0	5.8
6	8.0	9.5	7.4	7.0	6.8	8.4	11	6.2	6.2	11	4.8	5.5
7	7.8	9.2	7.5	8.3	7.0	8.0	8.4	5.9	5.6	7.6	4.9	5.5
8	7.7	8.1	7.9	7.5	9.0	8.2	7.2	6.0	5.4	6.3	5.7	6.3
9	7.6	8.5	8.0	7.3	9.2	7.8	6.7	6.0	5.6	5.8	6.1	13
10	7.6	9.2	8.7	7.0	7.8	7.3	6.6	6.2	5.5	5.5	5.6	8.1
11	8.4	7.7	7.9	6.7	9.8	7.2	6.5	6.7	5.5	5.2	5.3	6.3
12	8.4	7.3	8.0	7.0	11	7.2	6.7	8.0	5.4	5.1	5.2	5.6
13	7.6	7.3	8.3	7.0	8.4	7.0	6.8	7.8	5.4	5.1	5.3	5.3
14	7.3	7.2	8.4	7.0	7.5	6.5	8.4	6.9	6.0	4.9	5.2	5.1
15	7.5	7.2	11	7.1	7.2	6.7	9.6	7.1	6.3	5.0	5.1	5.7
16	7.7	7.2	9.3	7.3	7.1	6.8	7.8	14	6.2	5.1	5.5	12
17	7.8	7.3	8.3	7.3	7.7	7.1	7.0	9.4	5.7	5.0	4.9	9.5
18	8.8	13	7.6	7.2	7.5	7.6	7.5	7.2	5.4	5.1	4.7	7.2
19	11	10	7.5	7.1	7.5	7.2	7.3	6.4	5.4	5.1	4.7	6.6
20	8.7	8.6	7.1	7.3	17	6.9	6.6	6.2	7.7	6.2	4.6	6.1
21	8.0	8.4	7.0	7.1	15	6.7	6.1	5.9	9.3	8.3	4.6	5.6
22	7.5	8.3	7.0	7.0	11	6.7	6.3	6.0	8.6	6.9	4.7	5.6
23	7.3	8.0	7.7	7.0	9.2	6.7	6.7	5.7	6.5	5.7	4.7	5.8
24	7.5	9.8	8.0	7.0	14	7.1	11	5.6	5.8	5.3	4.7	5.3
25	13	16	7.6	7.0	10	7.3	8.4	5.7	9.3	5.3	4.8	5.3
26	12	10	7.1	7.1	9.9	7.2	7.2	5.7	12	5.4	4.8	5.3
27	10	8.6	7.0	7.4	9.4	6.9	6.8	5.7	7.5	5.5	4.9	5.3
28	9.3	19	7.4	7.4	8.5	6.8	6.7	5.7	6.2	5.3	5.3	5.1
29	8.1	19	7.9	7.3	---	6.6	7.3	7.4	5.7	5.3	5.3	4.7
30	7.7	11	8.4	6.9	---	7.1	6.9	7.0	5.3	5.0	5.3	4.7
31	7.7	---	7.8	6.6	---	7.7	---	6.1	---	5.0	5.4	---
TOTAL	263.1	287.2	247.1	221.9	261.7	225.0	223.0	211.2	197.9	216.3	156.8	213.4
MEAN	8.49	9.57	7.97	7.16	9.35	7.26	7.43	6.81	6.60	6.98	5.06	7.11
MAX	13	19	11	8.3	17	8.4	11	14	12	22	6.1	21
MIN	7.3	7.2	7.0	6.6	6.8	6.5	6.1	5.6	5.3	4.9	4.6	4.7

CAL YR 1980 TOTAL 3558.4 MEAN 9.72 MAX 60 MIN 6.9
WTR YR 1981 TOTAL 2724.6 MEAN 7.46 MAX 22 MIN 4.6

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 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
DEC 19...	1300	7.7	235	6.7	5.5	--	5.2	40	--	--
MAR 25...	0730	7.4	200	6.2	7.0	765	10.2	83	70	19
JUN 24...	1000	6.0	190	8.0	24.0	766	6.5	76	47	11

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS 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)
DEC 19...	--	--	--	17	--	--	<.1	--	--	1.8
MAR 25...	5.5	16	1.4	--	19	26	--	--	--	1.2
JUN 24...	4.8	14	1.6	24	15	21	<.1	3.5	85	.20

DATE	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, 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 19...	--	.200	--	--	--	.020	--	280	20	.00
MAR 25...	1.30	.010	.030	--	--	--	<.010	--	--	.00
JUN 24...	.19	.010	.020	1.8	2.0	.080	.030	520	40	.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 except those above 100 ft^3/s (2.83 m^3/s), which are fair. 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, except during the 1979 water year.

AVERAGE DISCHARGE.--30 years (1951-78, 80-81), 2.61 ft^3/s (0.074 m^3/s) (unadjusted).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 181 ft^3/s (5.13 m^3/s) Jan. 21, 1979, gage height, 1.99 ft (0.607 m) (result of regulation), from rating curve extended above 80 ft^3/s (2.27 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, 12 ft^3/s (0.34 ft^3/s) Nov. 8 (result of regulation), 28, gage height, 0.53 ft (0.162 m); maximum gage height, 3.78 ft (1.152 m) Oct. 25 (backwater from high tide); minimum discharge 1.3 ft^3/s (0.037 m^3/s) Oct. 30, 31, Nov. 13, 14 (result of regulation), Aug. 1-4, gage height, 0.18 ft (0.055 m).

REVISIONS.--Revised maximum discharges for some water years and revised daily discharges, in cubic feet per second, for Aug. 12, 1978 and Jan. 21, 1979 are given below. These figures supercede those published in WSP 1722, 1902 and the reports for 1971 and 1978-80.

Water Year	Date	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
1954	Sept. 11, 1954	79	2.24	1.33	0.405
1958	July 6, 1958	64	1.81	1.20	.366
1962	Feb. 26, 1962	57	1.61	1.13	.344
1963	Mar. 6, 1963	77	2.18	1.31	.399
1971	Feb. 8, 1971	61	1.73	1.17	0.357
1978	Aug. 12, 1978	ab147	4.16	1.80	.549
1979	Jan. 21, 1979	ab181	5.13	1.99	.607
1980	Apr. 10, 1980	b 76	2.15	1.30	.396

a From rating curve extended above 80 ft^3/s.
b Result of regulation.

Aug. 12, 1978.....47

Jan. 21, 1979.....53

Month	Total	Mean	f	Max	Min
August 1978	162.4	5.24	1.30	47	2.7
Water Year 1978	1,243.8	3.41	1.59	47	1.4
Cal. Year 1978	1,487.5	4.08	--	47	2.1
January 1979	265.3	8.56	53		3.9
Water Year 1979	2,307.6	6.32	53		2.3
Cal. Year 1979	2,383.4	6.53	53		2.3

f Indicated adjustment, in cubic feet per second, for diversion through fish hatchery.

01303500 COLD SPRING BROOK AT COLD SPRING HARBOR, NY--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.7	1.5	4.1	3.5	3.7	4.5	3.4	3.1	3.0	3.0	1.3	2.2
2	3.5	2.1	3.8	3.5	4.8	4.2	3.3	3.1	3.0	3.0	1.3	2.3
3	3.7	2.6	3.8	3.5	5.3	4.0	3.3	3.2	3.2	3.0	1.3	2.2
4	3.5	2.9	3.6	3.5	4.1	3.9	3.2	3.2	3.2	3.5	1.3	2.2
5	3.5	2.8	3.4	2.5	3.7	4.0	3.2	3.2	3.0	5.4	1.4	2.0
6	3.2	3.0	3.4	1.7	3.7	4.0	4.3	3.2	2.9	4.8	1.6	1.9
7	3.2	3.2	3.5	2.1	3.7	3.7	3.8	3.2	2.8	4.0	1.6	1.8
8	3.2	5.4	3.5	2.9	5.0	3.7	3.4	3.1	2.7	3.7	1.6	1.6
9	3.2	6.5	3.5	3.2	5.2	3.6	3.1	3.0	2.3	3.7	1.8	2.2
10	3.2	4.5	3.7	3.2	4.0	3.4	3.1	3.2	2.5	3.5	2.0	2.4
11	3.2	3.7	3.5	3.2	4.1	3.4	3.1	3.3	2.8	3.5	2.0	2.0
12	3.2	3.3	3.5	5.1	4.5	3.4	3.2	3.0	2.8	3.5	1.8	2.0
13	3.5	2.3	3.5	5.1	3.9	3.2	3.2	2.5	2.8	3.5	2.0	2.0
14	3.2	1.3	3.5	4.4	3.7	3.0	3.6	1.8	2.7	3.5	2.1	1.8
15	3.2	1.5	3.4	3.1	3.7	3.0	4.1	1.5	2.6	3.5	2.1	1.8
16	3.2	2.0	3.5	2.0	3.7	3.1	3.6	2.5	2.6	3.2	2.2	2.8
17	3.3	2.5	3.5	2.9	3.7	3.3	3.5	3.0	2.8	3.0	2.2	3.3
18	3.5	3.7	3.5	3.7	3.9	3.2	3.5	2.9	2.8	2.6	2.4	2.5
19	4.8	3.9	3.4	4.0	4.0	3.1	3.3	2.8	3.0	2.4	2.4	2.4
20	4.2	3.6	3.3	4.0	6.7	3.1	3.2	2.9	3.2	2.2	2.4	2.4
21	3.4	3.4	3.2	4.0	6.7	3.1	3.1	3.0	3.2	2.0	2.4	2.4
22	3.2	3.1	3.2	5.3	4.8	3.1	3.2	2.9	3.0	2.0	2.4	2.2
23	3.2	4.5	3.5	3.5	4.5	3.3	5.6	2.8	3.0	2.0	2.4	2.0
24	3.5	6.7	3.7	3.2	5.7	3.2	5.9	2.8	2.8	2.0	2.4	2.0
25	7.4	6.5	3.5	3.7	5.1	3.3	5.5	2.7	2.8	2.0	2.4	2.2
26	6.1	4.8	3.5	3.8	4.8	3.3	4.7	2.6	3.0	2.0	2.4	2.2
27	4.3	4.0	3.5	4.2	5.1	3.3	3.8	2.6	3.1	1.8	2.2	2.0
28	3.8	7.0	3.5	4.3	4.5	3.2	3.5	2.6	3.0	1.8	2.0	2.0
29	3.5	7.5	3.5	4.1	---	3.1	3.1	3.2	3.0	1.8	1.8	1.8
30	2.3	5.0	3.5	3.7	---	3.2	3.0	3.2	3.2	1.8	1.8	2.0
31	1.3	---	3.5	3.6	---	3.5	---	3.0	---	1.4	1.8	---
TOTAL	111.2	114.8	109.0	110.5	126.3	106.4	109.8	89.1	86.8	89.1	60.8	64.6
MEAN	3.59	3.83	3.52	3.56	4.51	3.43	3.66	2.87	2.89	2.87	1.96	2.15
MAX	7.4	7.5	4.1	5.3	6.7	4.5	5.9	3.3	3.2	5.4	2.4	3.3
MIN	1.3	1.3	3.2	1.7	3.7	3.0	3.0	1.5	2.3	1.4	1.3	1.6

CAL YR 1980 TOTAL 1688.7 MEAN 4.61 MAX 29 MIN 1.3
WTR YR 1981 TOTAL 1178.4 MEAN 3.23 MAX 7.5 MIN 1.3

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 New Mill 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 New Mill Pond on main stream and ponds on tributaries above station.

AVERAGE DISCHARGE.--38 years, 41.6 ft^3/s (1.178 m^3/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 952 ft^3/s (27.0 m^3/s) Jan. 22, 1979, gage height, 3.22 ft (0.981 m) (result of dam failure), from rating curve extended above 600 ft^3/s (17.0 m^3/s); minimum, 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, 82 ft^3/s (2.32 m^3/s) Nov. 28, gage height, 0.95 ft (0.290 m); minimum, 22 ft^3/s (0.62 m^3/s) July 26, gage height, 0.52 ft (0.158 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	36	47	37	36	44	38	37	33	29	27	57
2	36	36	44	37	43	41	41	37	35	29	27	49
3	38	36	43	37	44	40	38	37	35	33	27	38
4	44	37	40	37	40	40	37	36	33	44	27	33
5	40	38	38	37	37	41	38	36	32	47	27	30
6	37	37	38	37	37	41	51	36	32	40	27	29
7	36	37	38	38	37	41	44	35	31	35	27	28
8	36	36	38	37	44	43	38	35	31	32	28	28
9	35	37	38	37	44	41	37	35	31	30	30	29
10	35	38	40	37	40	40	35	36	31	29	28	28
11	36	36	38	37	38	40	33	36	31	29	28	27
12	36	36	37	36	43	40	35	37	30	29	28	27
13	35	36	37	36	40	38	35	36	30	28	28	27
14	35	36	37	36	38	37	40	35	31	28	28	26
15	33	35	37	36	37	37	45	36	33	28	28	31
16	36	35	37	36	37	37	41	43	33	28	28	48
17	35	35	37	36	37	37	40	41	33	28	26	43
18	36	44	37	36	37	37	38	37	30	28	26	36
19	38	41	37	36	37	37	36	36	29	35	26	33
20	36	38	36	36	52	37	36	35	36	28	26	31
21	36	37	36	36	54	37	35	35	36	33	26	29
22	35	36	36	36	48	37	35	35	33	35	26	29
23	35	36	37	36	44	36	37	33	31	32	26	30
24	35	38	38	36	52	36	52	33	30	30	26	29
25	45	54	37	36	48	36	47	32	31	29	26	28
26	47	47	35	36	49	36	41	32	36	27	25	28
27	41	41	35	36	48	36	38	32	33	24	25	28
28	40	63	36	37	45	36	37	32	31	26	25	28
29	37	66	37	36	---	36	38	37	30	29	25	27
30	37	54	38	36	---	38	37	36	30	28	25	27
31	36	---	37	36	---	40	---	35	---	27	25	---
TOTAL	1153	1212	1176	1129	1186	1193	1173	1104	961	957	827	961
MEAN	37.2	40.4	37.9	36.4	42.4	38.5	39.1	35.6	32.0	30.9	26.7	32.0
MAX	47	66	47	38	54	44	52	43	36	47	30	57
MIN	33	35	35	36	36	36	33	32	29	24	25	26

CAL YR 1980 TOTAL 16769 MEAN 45.8 MAX 115 MIN 33
WTR YR 1981 TOTAL 13032 MEAN 35.7 MAX 66 MIN 24

01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN, NY--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: December 1978 to September 1981 (discontinued).
WATER TEMPERATURES: January 1978 to September 1981 (discontinued).

INSTRUMENTATION.--Water-quality monitor and temperature recorder since December 1978.

REMARKS.--In addition to the water-quality monitor record, samples were collected approximately once a month. Prior to October 1978, water temperature measurements were made daily by a local observer. Interruptions in the record were due to malfunctions of the instrument. 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 Health Services. They are identified in the table by an asterisk (*).

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (NTU)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
NOV											
04...	1030	36	120	5.9	8.0	.50	--	11.4	96	K18	K10
18...	1045	46	125	5.6	6.0	.10	--	10.6	86	67	38
DEC											
01.*.	1535	45	--	7.6	7.0	--	--	10.0	--	--	--
JAN											
13...	1030	36	135	6.0	4.0	.30	--	--	--	K10	K1
FEB											
10...	1100	40	130	6.3	6.0	.50	778	12.2	96	K9	--
MAR											
11...	0930	38	143	6.2	7.5	.40	766	12.3	99	K18	K1
11.*.	1455	38	--	7.1	8.0	--	--	10.5	--	--	--
APR											
15...	1030	45	140	6.3	11.5	1.0	774	9.6	86	K3	K12
MAY											
12...	0900	37	130	6.2	14.5	.85	756	7.6	74	22	26
JUN											
16...	0900	33	120	6.6	18.5	.60	760	7.3	78	61	1200
16.*.	1400	32	--	6.7	22.0	--	--	7.1	--	--	--
JUL											
21...	1000	33	111	6.5	21.0	.60	756	8.7	97	56	410
AUG											
18...	1300	26	100	6.4	18.5	.70	763	8.3	88	43	K530
SEP											
14.*.	1400	26	--	7.1	--	--	--	8.4	--	--	--
22...	0830	29	110	6.3	14.5	.60	761	9.3	90	96	K660

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

01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN, NY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)
NOV											
04...	24	9	5.7	2.3	12	1.3	--	15	10	17	.1
18...	25	3	6.0	2.4	12	1.4	--	22	8.8	16	.0
DEC											
01...	--	--	--	2.0	9.4	1.2	46	--	7.4	12	--
JAN											
13...	23	3	5.4	2.3	12	1.2	--	20	8.8	17	<.1
FEB											
10...	23	10	5.9	2.1	11	1.1	--	--	8.1	18	<.1
MAR											
11...	25	--	6.4	2.2	15	1.1	--	19	8.8	23	<.1
11...	--	--	--	3.0	16	1.4	16	--	9.3	20	<.5
APR											
15...	25	--	6.5	2.2	12	1.3	--	16	9.7	17	<.1
MAY											
12...	25	--	6.3	2.3	14	1.1	--	11	8.8	19	<.1
JUN											
16...	23	--	5.9	2.1	11	1.2	--	23	6.3	16	<.1
16...	--	--	--	2.6	9.6	.9	17	--	--	15	<.5
JUL											
21...	25	--	6.0	2.4	12	.9	--	19	6.9	14	<.1
AUG											
18...	21	--	5.1	2.0	8.7	.8	--	11	6.1	13	<.1
SEP											
14...	--	--	--	2.5	9.5	1.6	17	--	11	14	<.5
22...	27	--	7.0	2.3	10	1.3	--	18	9.8	15	<.1

DATE	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	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)
NOV											
04...	9.0	80	73	--	--	1.4	.050	.08	.13	1.5	.000
18...	8.2	67	75	--	--	1.5	.000	.21	.21	1.7	.010
DEC											
01...	--	--	--	1.6	.011	--	.120	.28	.40	--	--
JAN											
13...	10	85	77	--	--	1.9	.160	.11	.27	2.2	<.010
FEB											
10...	7.8	77	69	--	--	1.7	.040	.25	.29	2.0	.030
MAR											
11...	8.5	83	83	--	--	1.5	.060	--	<.10	--	<.010
11...	--	--	--	2.8	.015	--	.080	.12	.20	--	--
APR											
15...	5.3	81	70	--	--	1.3	.080	.40	.48	1.8	.040
MAY											
12...	6.4	82	69	--	--	1.1	.070	.48	.55	1.7	<.010
JUN											
16...	7.7	71	68	--	--	.77	.050	.38	.43	1.2	.070
16...	--	--	--	1.5	.013	--	.130	.47	.60	--	--
JUL											
21...	8.6	84	66	--	--	.86	.040	.29	.33	1.2	.010
AUG											
18...	6.7	70	53	--	--	.98	.030	.25	.28	1.3	.010
SEP											
14...	--	--	--	.06	.006	--	.170	.23	.40	--	--
22...	5.5	81	66	--	--	.99	.040	.79	.83	1.8	.020

01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN, NY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	BARIUM, DIS-SOLVED (UG/L AS BA)	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)
NOV											
04...	.000	--	--	--	--	--	--	--	--	--	--
18...	.010	--	--	--	--	--	--	--	--	--	--
DEC											
01...	.004	.002	--	--	--	--	--	--	--	--	--
JAN											
13...	<.010	--	--	--	--	--	--	--	--	--	--
FEB											
10...	<.010	--	--	--	--	--	--	--	--	--	--
MAR											
11...	.010	--	0	0	100	100	0	0	10	10	0
11...	.005	<.002	--	--	--	--	--	--	--	--	--
APR											
15...	.010	--	--	--	--	--	--	--	--	--	--
MAY											
12...	<.010	--	--	--	--	--	--	--	--	--	--
JUN											
16...	<.010	--	0	<1	100	10	1	3	10	20	1
16...	.006	.002	--	--	--	--	--	--	--	--	--
JUL											
21...	<.010	--	--	--	--	--	--	--	--	--	--
AUG											
18...	<.010	--	--	--	--	--	--	--	--	--	--
SEP											
14...	.029	.013	--	--	--	--	--	--	--	--	--
22...	<.010	--	2	3	<50	100	2	<1	10	<10	6

DATE	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)	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)
NOV											
04...	--	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--
DEC											
01...	--	--	--	160	120	--	--	60	50	--	--
JAN											
13...	--	--	--	--	--	--	--	--	--	--	--
FEB											
10...	--	--	--	--	--	--	--	--	--	--	--
MAR											
11...	0	2	1	210	60	7	2	40	30	<.1	<.1
11...	--	--	--	150	100	--	--	30	30	--	--
APR											
15...	--	--	--	--	--	--	--	--	--	--	--
MAY											
12...	--	--	--	--	--	--	--	--	--	--	--
JUN											
16...	1	1	0	230	70	4	0	160	120	<.1	<.1
16...	--	--	--	200	200	--	--	40	--	--	--
JUL											
21...	--	--	--	--	--	--	--	--	--	--	--
AUG											
18...	--	--	--	--	--	--	--	--	--	--	--
SEP											
14...	--	--	--	300	200	--	--	90	--	--	--
22...	3	4	1	100	10	1	<1	40	30	<.1	<.1

01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN, NY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
NOV											
04...	--	--	--	--	--	--	--	3.7	--	--	--
18...	--	--	--	--	--	--	--	1.0	--	--	--
DEC											
01...	--	--	--	--	--	--	--	--	--	--	.08
JAN											
13...	--	--	--	--	--	--	--	8.0	--	--	--
FEB											
10...	--	--	--	--	--	--	--	5.1	--	--	--
MAR											
11...	4	4	0	0	0	150	10	--	1.1	.4	--
11...	--	--	--	--	--	--	--	--	--	--	.03
APR											
15...	--	--	--	--	--	--	--	2.1	--	--	--
MAY											
12...	--	--	--	--	--	--	--	2.5	--	--	--
JUN											
16...	2	1	0	0	0	10	4	--	2.4	.4	--
16...	--	--	--	--	--	--	--	--	--	--	<.02
JUL											
21...	--	--	--	--	--	--	--	2.2	--	--	--
AUG											
18...	--	--	--	--	--	--	--	1.4	--	--	--
SEP											
14...	--	--	--	--	--	--	--	--	--	--	.03
22...	3	1	<1	<1	<1	20	20	--	--	--	--

01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN, NY--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	116	113	115	---	---	---	121	116	118	---	---	---
2	118	115	116	---	---	---	121	115	119	---	---	---
3	117	112	116	---	---	---	121	118	120	---	---	---
4	119	112	118	---	---	---	---	---	---	---	---	---
5	117	113	115	---	---	---	---	---	---	---	---	---
6	113	108	112	---	---	---	---	---	---	---	---	---
7	112	110	111	---	---	---	---	---	---	---	---	---
8	113	111	112	---	---	---	---	---	---	---	---	---
9	113	111	112	---	---	---	130	124	127	---	---	---
10	114	112	113	---	---	---	130	128	129	---	---	---
11	114	113	114	---	---	---	130	123	126	---	---	---
12	114	112	113	---	---	---	128	123	126	---	---	---
13	112	110	111	---	---	---	133	122	127	---	---	---
14	111	108	110	---	---	---	126	116	120	---	---	---
15	113	106	109	---	---	---	---	---	---	---	---	---
16	113	109	112	---	---	---	---	---	---	---	---	---
17	114	112	112	---	---	---	---	---	---	---	---	---
18	114	109	112	---	---	---	---	---	---	---	---	---
19	116	113	114	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	115	112	113	---	---	---	---	---	---
22	---	---	---	115	112	113	---	---	---	---	---	---
23	---	---	---	117	115	116	---	---	---	---	---	---
24	---	---	---	116	108	114	---	---	---	---	---	---
25	---	---	---	127	115	124	---	---	---	---	---	---
26	---	---	---	126	123	125	---	---	---	---	---	---
27	---	---	---	124	119	122	---	---	---	132	129	130
28	---	---	---	128	108	119	---	---	---	138	130	131
29	---	---	---	128	121	124	---	---	---	133	129	131
30	---	---	---	123	118	121	---	---	---	137	131	132
31	---	---	---	---	---	---	---	---	---	132	128	130
MONTH	119	106	113	128	108	119	133	115	124	138	128	131

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	133	125	127	143	140	142	147	137	142	134	131	132
2	---	---	---	146	140	144	147	138	143	133	128	130
3	---	---	---	140	131	134	148	141	145	129	126	127
4	---	---	---	138	131	135	145	139	141	131	125	128
5	---	---	---	139	133	135	145	137	142	133	129	131
6	---	---	---	140	129	134	151	140	147	131	127	130
7	---	---	---	138	129	132	151	144	149	129	125	127
8	---	---	---	142	138	140	145	141	143	142	125	128
9	---	---	---	144	140	142	145	140	142	132	127	129
10	---	---	---	146	143	144	142	135	139	133	130	131
11	---	---	---	146	143	145	141	136	138	136	130	133
12	---	---	---	145	141	143	142	137	140	135	132	133
13	---	---	---	146	141	143	142	130	137	132	126	130
14	---	---	---	143	134	139	---	---	---	132	125	128
15	---	---	---	149	137	145	138	134	136	131	124	128
16	---	---	---	146	139	143	138	133	136	134	129	132
17	---	---	---	146	135	139	142	132	136	133	128	130
18	---	---	---	145	138	141	141	131	135	---	---	---
19	---	---	---	147	144	145	134	131	132	---	---	---
20	---	---	---	146	143	145	133	127	130	---	---	---
21	---	---	---	144	138	142	128	124	126	---	---	---
22	---	---	---	141	137	139	135	126	130	---	---	---
23	137	130	134	141	136	138	139	122	134	---	---	---
24	146	131	140	139	136	138	150	138	145	---	---	---
25	145	133	138	140	134	137	144	135	138	---	---	---
26	136	132	134	140	136	138	142	134	137	---	---	---
27	139	133	136	141	136	138	135	131	133	---	---	---
28	143	138	141	141	138	140	134	129	132	---	---	---
29	---	---	---	139	136	138	139	130	135	---	---	---
30	---	---	---	141	136	138	137	133	135	---	---	---
31	---	---	---	143	135	141	---	---	---	---	---	---
MONTH	146	125	136	149	129	140	151	122	138	142	124	130

01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN, NY--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	119	113	115	106	103	104	149	100	118
2	---	---	---	115	114	115	102	98	100	141	112	114
3	---	---	---	124	112	117	102	98	100	153	110	113
4	---	---	---	126	116	124	100	97	99	110	108	109
5	125	118	122	127	121	125	100	93	97	110	107	109
6	125	121	122	130	119	121	96	90	93	109	106	108
7	122	116	119	119	113	116	100	94	97	111	108	110
8	138	118	122	115	112	114	97	92	94	111	108	110
9	130	115	119	112	109	111	95	91	93	112	109	111
10	126	114	116	112	110	111	100	90	94	111	107	109
11	118	114	116	112	111	111	112	97	103	110	105	108
12	123	114	116	111	111	111	112	107	110	107	105	106
13	117	112	115	112	110	111	105	95	98	107	105	106
14	122	116	118	111	110	110	99	94	95	107	104	105
15	123	119	120	110	108	109	110	97	104	113	104	108
16	121	117	118	110	109	110	108	102	104	120	111	116
17	120	113	116	110	109	110	103	99	100	121	114	117
18	120	116	118	113	110	111	106	99	102	115	112	114
19	118	113	116	128	106	113	100	99	100	112	108	110
20	122	111	118	116	107	110	101	100	100	111	107	109
21	124	120	122	114	108	111	101	99	100	112	109	110
22	123	118	121	113	108	111	100	99	100	111	107	110
23	119	114	116	113	107	111	101	100	101	113	108	111
24	121	114	117	115	109	111	102	99	101	115	109	112
25	119	113	116	111	108	110	101	99	100	113	108	110
26	121	116	119	115	103	109	100	99	99	116	108	111
27	118	114	116	111	105	107	101	100	100	117	107	110
28	116	113	115	113	108	111	102	101	101	110	106	108
29	115	113	114	113	108	111	103	102	102	109	106	107
30	115	113	114	108	102	105	126	102	107	114	107	110
31	---	---	---	108	104	107	164	127	147	---	---	---
MONTH	138	111	118	130	102	112	164	90	101	153	100	110
YEAR	164	90	121									

01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

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

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

01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	20.5	18.5	19.5	21.0	17.0	18.5	20.5	18.0	19.0
2	---	---	---	20.5	19.0	19.5	20.0	17.0	19.0	20.0	19.0	19.5
3	---	---	---	20.5	19.0	19.5	20.0	18.0	19.0	19.0	18.5	19.0
4	---	---	---	20.5	20.0	20.0	20.0	18.0	19.0	18.5	17.5	18.0
5	20.5	19.0	19.5	21.5	20.0	21.0	20.5	18.5	19.5	18.0	16.5	17.5
6	20.0	18.5	19.0	22.0	20.0	21.0	20.0	17.5	18.5	19.0	16.0	17.5
7	20.0	18.0	19.0	22.5	20.0	21.5	20.5	17.5	19.0	18.0	17.0	17.5
8	20.0	17.0	18.5	23.5	20.0	21.5	19.0	18.0	18.5	18.5	16.5	17.5
9	20.0	18.5	19.0	23.5	21.0	22.0	20.5	18.5	19.5	18.5	16.5	17.5
10	18.5	17.5	18.0	24.0	21.5	22.0	21.0	18.5	19.5	18.5	15.5	17.0
11	19.5	17.0	18.0	23.5	20.5	21.5	21.0	19.0	20.0	18.5	16.0	17.5
12	20.0	17.0	18.5	23.5	20.0	21.5	19.5	18.5	19.0	19.5	16.5	18.0
13	20.0	17.5	19.0	22.5	20.5	21.5	19.5	18.0	19.0	19.0	16.5	17.5
14	19.0	17.0	18.0	22.0	19.0	20.5	20.0	17.5	18.5	19.5	16.5	18.0
15	18.5	18.5	18.5	21.0	18.5	19.5	20.0	18.0	19.0	18.5	18.0	18.0
16	21.5	18.5	20.5	21.5	18.0	19.5	20.0	18.0	19.0	18.5	18.0	18.5
17	21.5	19.0	20.0	21.5	18.5	20.0	18.5	16.5	17.5	18.0	17.0	17.5
18	22.0	18.5	20.0	22.0	18.5	20.0	18.5	16.0	17.0	17.0	16.0	16.5
19	21.5	19.0	20.0	25.0	19.0	22.0	18.5	15.5	17.0	16.5	15.0	15.5
20	20.5	19.5	20.0	22.0	21.0	21.5	19.0	15.5	17.0	16.0	14.5	15.0
21	22.0	19.5	20.5	24.0	21.5	22.5	19.0	15.5	17.0	15.5	14.0	15.0
22	22.5	20.0	21.0	24.0	21.5	22.5	18.0	16.5	17.0	16.5	14.5	15.5
23	21.0	18.5	19.5	23.0	20.0	21.0	19.0	16.5	17.5	16.0	14.0	15.0
24	21.5	18.0	19.5	21.0	18.5	20.0	18.5	16.5	17.5	14.0	13.5	14.0
25	20.0	19.0	19.5	21.5	18.5	20.0	18.5	16.5	17.5	14.5	13.0	14.0
26	21.0	18.5	19.5	20.5	18.0	19.0	19.0	16.5	17.5	15.0	13.5	14.5
27	20.5	18.0	19.0	21.0	18.0	19.0	19.5	17.0	18.5	16.0	14.0	15.0
28	20.5	17.5	19.0	20.0	17.0	18.5	19.0	17.5	18.5	15.5	14.0	15.0
29	21.0	17.5	19.0	21.5	18.0	19.5	19.5	18.0	18.5	14.0	13.0	13.5
30	20.5	18.0	19.5	20.0	17.0	18.5	19.0	18.0	18.5	13.0	12.5	13.0
31	---	---	---	20.0	16.5	18.0	19.0	17.5	18.5	---	---	---
MONTH	22.5	17.0	19.5	25.0	16.5	20.5	21.0	15.5	18.5	20.5	12.5	16.5
YEAR	25.0	4.5	14.5									

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV					
04...	1030	36	1	.10	--
18...	1045	46	1	.12	0
DEC					
09...	1030	37	2	.20	--
JAN					
13...	1030	36	4	.39	--
FEB					
10...	1100	40	1	.11	--
MAR					
11...	0930	38	1	.10	--
APR					
15...	1030	45	3	.36	--
MAY					
12...	0900	37	3	.30	--
JUN					
16...	0900	33	3	.27	--
JUL					
21...	1000	33	1	.09	--
AUG					
18...	1300	26	8	.56	84
SEP					
22...	0830	29	14	1.1	92

01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN, NY--Continued

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

PHYTOPLANKTON

DATE	NOV 18,80		MAR 11,81		MAY 12,81		JUN 16,81		JUL 21,81		SEP 22,81	
TIME	1045		0930		0900		0900		1000		0830	
TOTAL CELLS/ML	100		26		130		300		7700		580	
DIVERSITY: DIVISION	0.8		0.0		1.7		1.7		0.5		1.3	
. CLASS	0.8		0.0		1.7		2.1		0.5		1.3	
.. ORDER	0.8		1.0		1.7		2.1		0.5		1.5	
... FAMILY	2.2		1.0		2.5		2.6		1.5		2.0	
.... GENUS	2.2		1.0		2.5		2.6		1.5		2.4	
ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CHLOROPHYTA (GREEN ALGAE)												
. CHLOROPHYCEAE												
.. CHLOROCOCCALES												
... COELASTRACEAE												
.... COELASTRUM	--	-	--	-	--	-	--	-	470	6	--	-
... MICRACTINIACEAE												
.... MICRACTINIUM	--	-	--	-	--	-	--	-	540	7	--	-
... OOCYSTACEAE												
.... ANKISTRODESMUS	--	-	--	-	13	10	--	-	--	-	--	-
.... DICTYOSPHAERIUM	--	-	--	-	--	-	13	4	--	-	--	-
.... KIRCHNERIELLA	--	-	--	-	--	-	--	-	68	1	170#	29
.... OOCYSTIS	--	-	--	-	--	-	--	-	68	1	--	-
.... SELENASTRUM	--	-	--	-	--	-	--	-	240	3	83	14
... SCENEDESMACEAE												
.... SCENEDESMUS	--	-	--	-	52#	40	100#	35	5700#	74	83	14
.. VOLVOCALES												
... CHLAMYDOMONADACEAE												
.... CHLAMYDOMONAS	26#	25	--	-	--	-	--	-	--	-	--	-
.. ZYGNEMATALES												
... DESMIDIACEAE												
.... COSMARIUM	--	-	--	-	--	-	--	-	--	-	14	2
CHRYSOPHYTA												
. BACILLARIOPHYCEAE												
.. CENTRALES												
... COSCINODISCACEAE												
.... CYCLOTELLA	--	-	13#	50	--	-	--	-	*	0	--	-
.. PENNALES												
... ACHNANTHACEAE												
.... ACHNANTHES	13	13	--	-	--	-	13	4	--	-	--	-
.... COCCONEIS	--	-	--	-	--	-	--	-	*	0	--	-
... EUNOTIACEAE												
.... EUNOTIA	--	-	--	-	--	-	--	-	--	-	14	2
... FRAGILARIACEAE												
.... FRAGILARIA	39#	38	--	-	--	-	--	-	--	-	--	-
.... SYNEDRA	--	-	--	-	13	10	--	-	--	-	--	-
... GOMPHONEMATACEAE												
.... GOMPHONEMA	--	-	--	-	--	-	--	-	*	0	--	-
... NAVICULACEAE												
.... NAVICULA	13	13	13#	50	13	10	13	4	--	-	--	-
... NITZSCHIACEAE												
.... NITZSCHIA	13	13	--	-	13	10	--	-	*	0	14	2
... TABELLARIACEAE												
.... TABELLARIA	--	-	--	-	--	-	39	13	--	-	--	-
. CHRYSOPHYCEAE												
.. CHRYSOMONADALES												
... OCHROMONADACEAE												
.... DINOBRYON	--	-	--	-	--	-	52#	17	--	-	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)												
. CYANOPHYCEAE												
.. CHROOCOCCALES												
... CHROOCOCCACEAE												
.... ANACYSTIS	--	-	--	-	13	10	52#	17	370	5	120#	21
EUGLENOPHYTA (EUGLENOIDS)												
. EUGLENOPHYCEAE												
.. EUGLENALES												
... EUGLENACEAE												
.... EUGLENA	--	-	--	-	--	-	13	4	--	-	--	-
.... TRACHELOMONAS	--	-	--	-	13	10	--	-	100	1	--	-
PYRRHOPHYTA (FIRE ALGAE)												
. DINOPHYCEAE												
.. PERIDINIALES												
... PERIDINIACEAE												
.... PERIDINIUM	--	-	--	-	--	-	--	-	--	-	14	2

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

01304500 PECONIC RIVER AT RIVERHEAD, NY

LOCATION.--Lat 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.--39 years, 36.6 ft^3/s (1.037 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, 38 ft^3/s (1.08 m^3/s) Apr. 6, gage height, 0.54 ft (0.165 m); minimum, 2.7 ft^3/s (0.076 m^3/s) Dec. 5, gage height, 0.15 ft (0.046 m) (result of freezeup); minimum daily, 11 ft^3/s (0.31 m^3/s) Aug. 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	23	28	20	22	37	24	28	24	19	14	15
2	17	22	27	20	23	37	30	28	24	18	14	15
3	18	21	28	20	23	35	30	28	23	18	15	14
4	23	21	25	20	23	34	30	27	23	18	15	13
5	22	22	16	20	22	33	31	27	22	19	14	13
6	21	21	25	20	22	34	38	26	21	18	12	13
7	21	21	23	21	22	32	38	25	20	18	12	12
8	20	21	24	20	24	32	37	24	19	18	12	12
9	20	21	24	20	25	32	35	24	19	17	11	12
10	20	22	24	20	24	31	34	24	18	17	12	12
11	20	20	23	20	24	31	32	24	18	16	16	12
12	20	20	23	19	24	30	31	27	18	15	15	12
13	19	19	22	19	23	30	30	27	18	16	15	12
14	19	19	22	19	22	29	31	27	19	14	14	12
15	19	19	21	19	22	28	34	27	19	14	14	13
16	18	19	21	19	22	27	32	28	20	16	15	19
17	18	19	21	19	21	27	31	27	19	15	14	21
18	19	22	21	19	20	26	31	26	19	14	13	19
19	21	23	21	18	20	26	30	26	19	14	13	19
20	21	22	20	18	25	25	29	25	23	15	13	18
21	21	22	20	18	29	24	27	24	24	18	13	17
22	21	22	20	18	30	24	26	24	24	19	12	16
23	20	21	21	18	29	24	26	23	23	18	13	16
24	19	21	22	18	33	24	31	22	21	17	13	15
25	22	27	21	18	34	23	31	22	21	16	13	14
26	27	26	20	18	36	24	31	21	22	16	12	14
27	26	25	20	18	37	24	30	21	21	15	12	14
28	26	27	20	18	36	24	29	20	20	14	12	14
29	25	31	20	19	---	24	30	24	20	14	12	13
30	24	29	20	19	---	24	29	26	19	14	12	13
31	23	---	20	18	---	26	---	26	---	14	12	---
TOTAL	647	668	683	590	717	881	928	778	620	504	409	434
MEAN	20.9	22.3	22.0	19.0	25.6	28.4	30.9	25.1	20.7	16.3	13.2	14.5
MAX	27	31	28	21	37	37	38	28	24	19	16	21
MIN	17	19	16	18	20	23	24	20	18	14	11	12

CAL YR 1980 TOTAL 13275 MEAN 36.3 MAX 77 MIN 15
WTR YR 1981 TOTAL 7859 MEAN 21.5 MAX 38 MIN 11

01304500 PECONIC RIVER AT RIVERHEAD, NY--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: June 1975 to September 1980.
WATER TEMPERATURES: June 1975 to September 1980.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE Maximum recorded, 215 micromhos July 12, 1977; minimum recorded, 44 micromhos Mar. 10, 1979.
WATER TEMPERATURES· Maximum, 29.0°C Aug. 2, 1975, July 21, 1980; minimum, 0.0°C on several days during winter periods.

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)
DEC									
01...	1039	28	110	6.3	5.0	10.9	2.6	9.2	2.3
MAR									
11...	1030	31	100	6.7	6.0	11.4	2.3	8.4	2.2
JUN									
16...	1000	20	99	6.6	21.0	5.0	2.4	8.2	1.4
SEP									
14...	0900	12	100	6.9	23.0	3.3	2.6	11	1.1

DATE	ALKA-LINITY FIELD (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)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	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)
DEC									
01...	16	15	12	--	.43	.43	.010	.010	.150
MAR									
11...	13	14	11	<.5	.35	.31	.005	.005	.140
JUN									
16...	19	11	14	<.5	.16	.18	.018	.017	.440
SEP									
14...	18	6.8	14	<.5	1.7	1.70	.008	.008	.060

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	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)
DEC									
01...	.140	.50	.50	.017	.030	250	150	30	<.02
MAR									
11...	.140	.50	.40	.040	.025	700	450	130	.03
JUN									
16...	.430	1.60	1.0	.114	.067	700	600	100	<.02
SEP									
14...	<.050	.40	.30	.013	.002	140	100	30	.02

01305000 CARMANS RIVER AT YAPHANK, NY

(National stream-quality accounting network station)

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) National Geodetic Vertical Datum of 1929. 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.--39 years, 23.9 ft^3/s (0.677 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, 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, 36 ft^3/s (1.02 m^3/s) Nov. 28, gage height, 1.41 ft (0.430 m); minimum, 7.5 ft^3/s (0.21 m^3/s) Aug. 4, gage height, 0.90 ft (0.274 m) (result of regulation).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	23	25	22	21	22	20	20	18	18	16	22
2	22	23	24	22	29	21	24	21	19	18	16	18
3	24	22	25	21	28	21	21	20	19	19	19	16
4	30	23	23	21	25	20	20	19	19	19	17	15
5	26	24	21	21	22	21	21	20	19	20	12	15
6	25	23	24	21	16	22	27	20	18	19	17	15
7	24	23	23	23	16	21	22	19	18	18	18	15
8	24	23	23	22	22	22	21	19	17	18	17	14
9	23	23	23	22	22	21	21	19	18	17	17	15
10	23	24	23	22	21	21	21	20	18	17	17	14
11	24	23	23	22	21	21	20	20	18	17	16	14
12	25	22	22	21	22	21	20	22	17	17	13	14
13	24	22	22	21	21	20	20	20	18	18	15	14
14	23	22	22	21	20	20	22	20	18	17	15	14
15	23	22	22	21	20	19	24	20	18	17	16	16
16	23	22	22	21	20	20	21	21	18	17	16	23
17	23	22	22	21	20	20	21	20	18	17	15	19
18	24	25	22	20	20	20	21	19	17	17	15	17
19	24	24	22	20	20	20	20	19	17	17	15	16
20	24	23	22	20	25	20	20	19	22	19	14	15
21	23	23	22	20	25	20	20	19	20	20	14	15
22	23	22	21	20	23	19	20	19	19	19	15	15
23	23	22	22	20	22	19	20	19	18	18	15	15
24	23	23	23	20	25	20	24	19	17	17	14	14
25	28	29	22	20	23	19	22	18	22	17	14	14
26	28	25	21	20	24	19	21	19	25	17	14	14
27	25	23	21	21	23	20	20	19	20	17	14	14
28	24	30	22	21	22	19	20	19	19	16	14	15
29	24	30	22	21	---	19	21	22	18	18	14	14
30	23	26	22	22	---	20	21	20	18	17	14	14
31	23	---	22	21	---	22	---	19	---	16	14	---
TOTAL	747	711	695	651	618	629	636	609	560	548	472	465
MEAN	24.1	23.7	22.4	21.0	22.1	20.3	21.2	19.6	18.7	17.7	15.2	15.5
MAX	30	30	25	23	29	22	27	22	25	20	19	23
MIN	22	22	21	20	16	19	20	18	17	16	12	14

CAL YR 1980 TOTAL 10682 MEAN 29.2 MAX 54 MIN 18
WTR YR 1981 TOTAL 7341 MEAN 20.1 MAX 30 MIN 12

01305000 CARMANS RIVER AT YAPHANK, NY--Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: December 1979 to September 1981 (discontinued).
WATER TEMPERATURES: December 1979 to September 1981 (discontinued).

INSTRUMENTATION.--Water-quality monitor and temperature recorder since December 1979.

REMARKS.--In addition to the water-quality monitor record, samples were collected approximately once a month. Interruptions in the record were due to malfunctions of the instrument. Unpublished records of daily specific conductance and water temperatures are available in files of Long Island Subdistrict office.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	TUR-BID-ITY (NTU)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	COLI-FORM, FECAL, 0.7 UM-MF (COLS. / 100 ML)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
NOV											
19...	1100	24	115	5.9	5.0	.20	--	12.6	98	K8	K11
DEC											
01.*.	1148	25	100	7.0	7.0	--	--	10.2	--	--	--
JAN											
14...	1030	21	127	6.1	3.0	.30	--	--	--	K16	<1
MAR											
10...	1100	21	115	6.5	8.0	.50	769	11.3	94	K6	<1
11.*.	1140	21	--	7.0	8.0	--	--	10.2	--	--	--
MAY											
13...	0830	21	120	6.8	14.0	1.5	762	9.5	91	45	K9
JUN											
16.*.	1100	18	--	6.6	--	--	--	6.6	--	--	--
JUL											
22...	0900	19	105	6.6	22.0	1.4	757	6.8	78	230	500
SEP											
14.*.	1000	14	108	6.9	19.0	--	--	6.8	--	--	--
23...	0800	15	105	6.4	15.0	1.4	760	7.4	72	120	190

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

01305000 CARMANS RIVER AT YAPHANK, NY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	HARDNESS (MG/L AS CACO3)	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)
NOV											
19...	27	7	6.8	2.5	7.0	1.1	--	20	12	10	.0
DEC											
01...	--	--	--	2.5	8.4	1.2	21	--	12	11	--
JAN											
14...	27	6	6.4	2.7	7.7	1.0	--	--	13	11	<.1
MAR											
10...	--	--	--	--	--	--	--	19	12	14	<.1
11...	--	--	--	2.7	9.0	1.2	15	--	12	11	<.5
MAY											
13...	30	--	7.2	2.8	8.9	.9	--	18	12	12	<.1
JUN											
16...	--	--	--	2.7	7.8	.9	19	--	12	12	<.5
JUL											
22...	29	--	7.1	2.8	8.0	.9	--	21	11	9.6	<.1
SEP											
14...	--	--	--	2.8	9.5	1.1	18	--	12	13	<.5
23...	32	--	8.0	3.0	7.8	.9	--	21	13	12	<.1

DATE	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	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)
NOV											
19...	11	63	68	--	--	1.1	.000	.22	.22	1.3	.010
DEC											
01...	--	--	--	.98	.003	--	<.050	--	.20	--	--
JAN											
14...	14	84	74	--	--	1.2	.010	.23	.24	1.4	.020
MAR											
10...	12	72	--	--	--	1.7	.040	.08	.12	1.8	.020
11...	--	--	--	.97	.004	--	.050	.25	.30	--	--
MAY											
13...	11	75	69	--	--	.65	.080	.50	.58	1.2	.030
JUN											
16...	--	--	--	.60	.011	--	.150	.15	.30	--	--
JUL											
22...	10	77	65	--	--	.57	.010	.42	.43	1.0	.030
SEP											
14...	--	--	--	.66	.005	--	<.050	--	.10	--	--
23...	9.9	73	71	--	--	.81	.070	.31	.38	1.2	.130

01305000 CARMANS RIVER AT YAPHANK, NY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV-ERABLE (UG/L AS BA)	BARIUM, DIS-SOLVED (UG/L AS BA)	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)
NOV											
19...	.010	--	0	0	100	30	0	2	10	<10	2
DEC											
01...	.003	.003	--	--	--	--	--	--	--	--	--
JAN											
14...	<.010	--	--	--	--	--	--	--	--	--	--
MAR											
10...	<.010	--	0	--	100	--	0	--	10	--	0
11...	.006	.003	--	--	--	--	--	--	--	--	--
MAY											
13...	<.010	--	0	0	100	20	1	<1	10	10	1
JUN											
16...	.010	.004	--	--	--	--	--	--	--	--	--
JUL											
22...	<.010	--	--	--	--	--	--	--	--	--	--
SEP											
14...	.007	.002	--	--	--	--	--	--	--	--	--
23...	.010	--	3	2	<50	100	1	<1	10	<10	5

DATE	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)	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)
NOV											
19...	1	1	0	290	130	2	0	60	70	.8	.8
DEC											
01...	--	--	--	250	200	--	--	70	70	--	--
JAN											
14...	--	--	--	--	--	--	--	--	--	--	--
MAR											
10...	--	3	--	430	--	7	--	80	--	.1	--
11...	--	--	--	300	200	--	--	80	80	--	--
MAY											
13...	1	4	1	700	260	1	0	130	110	<.1	<.1
JUN											
16...	--	--	--	400	400	--	--	70	--	--	--
JUL											
22...	--	--	--	--	--	--	--	--	--	--	--
SEP											
14...	--	--	--	230	150	--	--	100	--	--	--
23...	2	1	1	1900	120	2	<1	130	100	1.6	.1

01305000 CARMANS RIVER AT YAPHANK, NY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	NICKEL, TOTAL RECOV-ERABLE (UG/L AS NI)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV-ERABLE (UG/L AS AG)	SILVER, DIS-SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	ZINC, DIS-SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUS-PENDED TOTAL (MG/L AS C)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
NOV											
19...	1	0	0	0	0	30	30	--	6.0	.3	--
DEC											
01...	--	--	--	--	--	--	--	--	--	--	<.02
JAN											
14...	--	--	--	--	--	--	--	3.5	--	--	--
MAR											
10...	5	--	0	0	--	110	--	--	4.7	.3	--
11...	--	--	--	--	--	--	--	--	--	--	<.02
MAY											
13...	6	4	0	0	0	30	<4	--	1.3	.5	--
JUN											
16...	--	--	--	--	--	--	--	--	--	--	<.02
JUL											
22...	--	--	--	--	--	--	--	2.2	--	--	--
SEP											
14...	--	--	--	--	--	--	--	--	--	--	<.02
23...	10	2	<1	<1	<1	20	10	--	--	--	--

01305000 CARMANS RIVER AT YAPHANK, NY--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	120	118	119	103	101	102	104	101	102	159	100	116
2	120	118	119	102	100	101	102	99	101	158	101	128
3	120	118	119	103	100	101	102	99	101	162	101	134
4	118	115	117	104	101	102	104	101	102	166	100	118
5	115	113	114	103	100	101	108	102	104	163	102	117
6	114	112	113	---	---	---	106	103	105	169	103	140
7	---	---	---	---	---	---	106	103	105	157	104	130
8	---	---	---	---	---	---	106	103	105	157	125	142
9	---	---	---	---	---	---	104	102	103	173	99	138
10	---	---	---	---	---	---	104	101	103	143	123	132
11	---	---	---	---	---	---	105	102	103	148	123	135
12	---	---	---	---	---	---	104	101	102	170	121	138
13	---	---	---	---	---	---	104	101	103	171	120	141
14	---	---	---	---	---	---	104	100	102	144	123	132
15	---	---	---	---	---	---	105	101	103	195	107	131
16	---	---	---	---	---	---	104	103	104	111	98	102
17	---	---	---	---	---	---	104	101	103	104	96	99
18	---	---	---	---	---	---	106	102	104	108	95	102
19	---	---	---	115	113	114	106	103	105	108	96	101
20	---	---	---	117	114	115	107	103	104	100	96	98
21	---	---	---	118	113	115	107	104	105	152	100	116
22	---	---	---	117	114	115	108	104	106	124	96	107
23	---	---	---	118	114	116	113	105	107	105	96	99
24	---	---	---	118	102	115	106	102	105	110	97	100
25	---	---	---	113	106	110	113	104	107	122	97	111
26	---	---	---	110	107	109	113	106	110	121	98	107
27	---	---	---	109	107	108	111	108	109	117	97	107
28	---	---	---	107	95	104	108	105	106	128	98	113
29	---	---	---	103	100	101	106	104	105	149	100	120
30	113	106	110	103	100	101	104	100	102	154	109	142
31	109	103	106	---	---	---	159	99	121	154	127	145
MONTH	120	103	115	118	95	108	159	99	105	195	95	121

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	155	108	135	---	---	---	119	107	111	---	---	---
2	145	139	143	---	---	---	122	107	113	---	---	---
3	151	134	144	---	---	---	142	108	116	---	---	---
4	150	145	147	---	---	---	124	109	113	---	---	---
5	157	147	151	---	---	---	124	111	116	---	---	---
6	159	148	153	---	---	---	123	111	114	---	---	---
7	157	109	143	---	---	---	123	108	115	---	---	---
8	156	103	134	---	---	---	128	112	117	---	---	---
9	153	115	140	---	---	---	126	114	118	---	---	---
10	153	104	138	127	116	121	123	101	113	---	---	---
11	148	98	122	126	115	118	134	117	125	---	---	---
12	149	92	129	130	116	120	148	135	141	---	---	---
13	152	94	137	138	118	128	167	147	153	138	121	130
14	153	95	135	147	131	137	199	159	177	146	118	131
15	151	96	133	147	101	133	188	156	170	145	108	116
16	149	93	130	147	99	129	183	139	162	111	104	107
17	142	95	122	160	117	146	185	139	156	107	102	105
18	143	95	117	163	144	149	142	130	136	107	103	105
19	112	94	101	157	104	141	---	---	---	107	101	105
20	100	94	97	160	105	142	---	---	---	108	101	104
21	97	93	95	161	104	138	---	---	---	106	100	103
22	109	93	98	154	102	128	---	---	---	106	101	104
23	144	94	105	144	100	107	---	---	---	107	103	105
24	110	91	99	124	102	108	---	---	---	109	103	105
25	104	95	99	115	100	106	---	---	---	111	104	108
26	---	---	---	113	101	105	---	---	---	112	105	108
27	---	---	---	115	104	107	---	---	---	114	106	109
28	---	---	---	116	104	109	---	---	---	114	110	112
29	---	---	---	125	107	113	---	---	---	116	108	112
30	---	---	---	125	107	114	---	---	---	128	113	117
31	---	---	---	125	107	113	---	---	---	147	121	134
MONTH	159	91	126	163	99	123	199	101	131	147	100	112

01305000 CARMANS RIVER AT YAPHANK, NY--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	148	117	134	112	108	110	105	101	103	89	73	85
2	152	121	143	112	108	110	109	105	107	86	84	85
3	155	131	144	112	107	110	109	104	107	87	85	86
4	156	126	137	112	106	109	108	105	107	90	87	88
5	152	128	136	110	105	107	107	100	104	91	89	90
6	151	121	137	113	101	106	107	102	105	93	90	92
7	153	123	138	111	102	105	107	103	105	94	92	93
8	155	121	135	115	102	106	110	106	108	97	94	95
9	148	118	131	117	103	107	111	109	110	98	95	97
10	143	123	130	109	103	105	110	105	107	100	98	99
11	152	121	128	109	104	106	110	106	108	100	98	99
12	122	111	116	109	105	108	108	104	106	---	---	---
13	115	108	112	110	106	108	106	103	104	---	---	---
14	114	109	111	110	106	109	107	103	106	---	---	---
15	111	105	108	112	108	110	109	104	107	---	---	---
16	141	109	118	113	107	110	109	105	107	---	---	---
17	112	102	106	118	107	110	109	105	108	---	---	---
18	121	106	109	111	106	108	---	---	---	---	---	---
19	120	107	112	108	105	107	---	---	---	---	---	---
20	122	111	117	109	103	107	---	---	---	---	---	---
21	120	109	112	109	105	107	---	---	---	---	---	---
22	119	107	111	107	104	105	---	---	---	---	---	---
23	113	106	110	106	103	104	---	---	---	---	---	---
24	110	105	108	105	101	103	---	---	---	---	---	---
25	109	98	104	107	103	105	---	---	---	---	---	---
26	109	104	106	111	106	108	---	---	---	---	---	---
27	107	103	105	116	109	113	76	73	75	---	---	---
28	107	100	104	115	109	112	79	76	77	---	---	---
29	109	103	106	111	108	109	80	76	78	---	---	---
30	111	106	108	116	108	111	82	79	81	---	---	---
31	---	---	---	111	104	107	83	81	83	---	---	---
MONTH	156	98	119	118	101	108	111	73	100	100	73	92
YEAR	199	73	114									

01305000 CARMANS RIVER AT YAPHANK, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	5.5	2.0	4.0	---	---	---	15.0	11.0	12.5	---	---	---
2	5.5	3.5	4.5	---	---	---	15.5	11.0	12.5	---	---	---
3	4.5	2.0	3.0	---	---	---	16.0	10.0	12.5	---	---	---
4	3.0	1.5	2.0	---	---	---	14.0	11.0	12.0	---	---	---
5	4.5	1.5	2.5	---	---	---	13.5	11.5	12.0	---	---	---
6	5.5	2.5	4.0	---	---	---	13.5	9.0	11.0	---	---	---
7	7.0	3.0	4.5	---	---	---	14.5	8.5	10.5	---	---	---
8	6.5	4.0	5.0	---	---	---	15.5	9.0	11.5	---	---	---
9	6.0	3.0	4.0	---	---	---	15.0	10.5	12.5	---	---	---
10	6.0	2.5	4.0	10.0	6.5	8.5	16.5	10.5	13.0	---	---	---
11	6.5	5.0	6.0	9.5	6.0	7.0	14.0	11.5	12.5	---	---	---
12	6.0	3.0	4.0	10.5	5.5	7.5	14.0	11.0	12.5	---	---	---
13	6.5	2.5	4.0	12.0	6.5	8.5	15.5	10.5	12.0	18.0	14.0	16.0
14	7.5	3.0	4.5	8.5	4.5	7.0	10.5	10.0	10.5	19.5	13.5	16.0
15	7.5	3.5	5.0	8.5	4.0	6.0	13.5	7.5	10.0	19.0	15.0	16.5
16	8.5	4.0	5.5	8.0	4.5	6.0	14.5	7.5	10.5	19.0	14.5	16.5
17	8.5	5.0	6.5	7.0	2.5	4.5	12.0	9.5	11.0	20.0	13.5	16.0
18	10.5	5.5	7.5	6.5	1.5	3.5	17.0	10.5	13.0	20.0	13.5	16.0
19	9.5	7.0	8.0	8.0	2.5	4.5	---	---	---	18.5	13.5	15.0
20	9.5	8.5	9.0	7.5	3.0	5.0	---	---	---	19.5	13.0	15.5
21	10.5	9.0	9.5	8.0	3.5	6.0	---	---	---	19.5	13.5	15.5
22	13.0	9.5	10.5	9.5	5.5	7.0	---	---	---	20.0	13.5	16.0
23	10.5	9.0	9.5	10.5	5.5	7.5	---	---	---	20.5	14.0	16.5
24	11.0	9.0	9.5	11.0	5.5	8.0	---	---	---	21.5	14.5	17.5
25	9.0	8.5	9.0	11.0	6.5	8.0	---	---	---	23.0	15.5	18.5
26	---	---	---	13.0	7.5	9.5	---	---	---	23.0	17.0	19.5
27	---	---	---	13.0	8.5	9.5	---	---	---	23.5	18.0	20.0
28	---	---	---	13.5	7.5	10.0	---	---	---	20.5	18.0	19.0
29	---	---	---	14.0	8.5	11.0	---	---	---	20.0	17.5	18.5
30	---	---	---	13.5	10.0	11.0	---	---	---	23.5	17.5	19.5
31	---	---	---	16.5	10.5	13.0	---	---	---	22.5	18.0	20.0
MONTH	13.0	1.5	6.0	16.5	1.5	7.5	17.0	7.5	12.0	23.5	13.0	17.5

01305000 CARMANS RIVER AT YAPHANK, NY--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	21.5	17.0	18.5	23.5	20.0	21.5	26.0	19.5	22.0	22.0	20.0	21.0
2	18.0	16.5	17.5	24.0	20.5	22.0	25.5	20.0	22.0	20.5	19.0	20.0
3	17.5	16.0	16.5	23.0	20.5	21.5	24.5	20.5	22.5	20.5	19.0	19.5
4	22.5	16.0	18.5	22.5	20.5	21.5	26.5	18.0	23.0	21.0	18.5	19.5
5	24.0	17.5	20.0	23.0	20.5	21.5	25.0	17.0	21.5	21.0	18.0	19.0
6	22.5	18.5	20.0	25.0	20.0	22.0	24.5	20.5	22.5	22.0	17.5	19.5
7	23.0	18.0	20.0	27.0	21.0	23.5	26.0	21.0	23.0	20.5	18.5	19.5
8	23.0	17.0	19.5	27.5	21.5	24.0	22.5	21.5	22.0	22.5	18.5	20.0
9	23.0	18.5	20.0	28.0	22.5	24.5	25.5	21.5	23.0	22.5	18.5	20.0
10	20.0	17.5	19.0	28.0	23.0	25.0	27.0	21.5	24.0	22.5	17.0	19.5
11	23.5	17.0	19.5	28.0	22.0	24.5	26.0	20.0	23.5	23.5	18.5	20.5
12	24.0	17.5	20.0	27.0	22.0	24.0	22.5	20.0	21.5	---	---	---
13	24.5	18.5	21.0	25.5	22.5	23.5	24.5	21.0	22.5	---	---	---
14	20.0	19.0	19.5	26.0	20.5	23.0	25.5	20.5	22.5	---	---	---
15	22.0	18.5	19.5	25.0	19.5	21.5	25.0	21.5	23.0	---	---	---
16	25.0	18.5	21.0	25.5	19.5	22.0	26.0	21.5	23.5	---	---	---
17	25.5	20.0	22.5	25.0	20.0	22.0	25.0	19.5	22.0	---	---	---
18	26.0	20.0	22.0	26.5	20.0	22.5	24.5	19.0	21.0	---	---	---
19	25.5	20.0	22.5	26.0	20.5	23.0	23.5	18.5	20.5	---	---	---
20	22.5	21.0	22.0	23.0	22.0	22.5	24.0	18.5	20.5	---	---	---
21	25.5	20.0	22.5	26.0	22.0	23.5	24.0	17.5	20.5	---	---	---
22	25.0	21.0	22.5	26.0	21.5	23.0	21.0	18.5	19.5	---	---	---
23	24.5	19.5	21.5	25.5	20.5	22.5	23.0	19.0	20.5	---	---	---
24	24.5	18.5	21.0	24.0	19.5	21.5	22.0	18.5	20.0	---	---	---
25	22.5	20.0	21.5	24.5	20.0	21.5	22.5	18.5	20.0	---	---	---
26	23.5	18.5	21.0	24.0	20.0	21.5	22.5	17.0	19.5	---	---	---
27	24.0	17.5	20.0	26.0	21.0	23.0	23.5	18.5	20.5	---	---	---
28	25.0	18.0	21.0	25.0	20.0	22.0	23.0	20.0	20.5	---	---	---
29	25.5	18.5	21.5	25.5	20.5	22.5	23.5	19.5	21.0	---	---	---
30	25.0	19.0	21.5	24.5	19.0	21.5	22.5	20.0	21.0	---	---	---
31	---	---	---	25.0	19.0	21.5	22.0	19.5	20.5	---	---	---
MONTH	26.0	16.0	20.5	28.0	19.0	22.5	27.0	17.0	21.5	23.5	17.0	20.0
YEAR	28.0	1.0	12.5									

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV					
19...	1100	24	2	.13	--
JAN					
14...	1030	21	8	.45	--
MAR					
10...	1100	21	4	.23	--
MAY					
13...	0830	21	6	.34	--
JUL					
22...	0900	19	5	.26	--
SEP					
23...	0800	15	19	.77	81

01305000 CARMANS RIVER AT YAPHANK, NY--Continued

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

PHYTOPLANKTON

DATE	NOV 19,80		MAR 10,81		MAY 13,81		JUL 22,81		SEP 23,81	
TIME	1100		1100		0830		0900		0800	
TOTAL CELLS/ML	500		590		380		2600		750	
DIVERSITY: DIVISION	1.4		0.8		1.4		1.5		0.9	
. CLASS	1.4		0.8		1.4		1.5		0.9	
.. ORDER	2.2		1.1		1.5		2.3		1.3	
... FAMILY	2.5		2.7		1.9		2.7		2.3	
.... GENUS	2.7		2.8		1.9		3.2		2.7	
ORGANISM	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT	CELLS /ML	PER-CENT
CHLOROPHYTA (GREEN ALGAE)										
. CHLOROPHYCEAE										
.. CHLOROCOCCALES										
... MICRACTINIACEAE										
.... MICRACTINIUM	--	-	--	-	--	-	14	1	--	-
... OOCYSTACEAE										
.... ANKISTRODESMUS	14	3	--	-	--	-	70	3	14	2
.... DICTYOSPHAERIUM	28	6	--	-	13	3	130	5	--	-
... SCENEDESMACEAE										
.... ACTINASTRUM	--	-	--	-	--	-	56	2	--	-
.... SCENEDESMUS	55	11	--	-	26	7	--	-	170#	22
.... TETRASTRUM	--	-	--	-	--	-	170	6	--	-
.. VOLVOCALES										
... CHLAMYDOMONADACEAE										
.... CHLAMYDOMONAS	14	3	26	4	13	3	130	5	--	-
.. ZYGNEMATALES										
... DESMIDIACEAE										
.... COSMARIUM	14	3	--	-	--	-	--	-	--	-
CHRYSOPHYTA										
. BACILLARIOPHYCEAE										
.. CENTRALES										
... COSCINODISCACEAE										
.... CYCLOTELLA	--	-	--	-	--	-	480#	18	--	-
.... MELOSIRA	--	-	26	4	--	-	450#	17	55	7
.. PENNALES										
... ACHNANTHACEAE										
.... ACHNANTHES	41	8	13	2	--	-	--	-	14	2
.... COCCONEIS	14	3	13	2	--	-	28	1	28	4
.... RHOICOSPHENIA	--	-	--	-	--	-	14	1	--	-
... CYMBELLACEAE										
.... CYMBELLA	--	-	--	-	--	-	14	1	14	2
... DIATOMACEAE										
.... DIATOMA	--	-	--	-	--	-	28	1	--	-
... EUNOTIACEAE										
.... EUNOTIA	--	-	--	-	--	-	14	1	41	6
... FRAGILARIACEAE										
.... FRAGILARIA	--	-	190#	33	91#	24	--	-	300#	41
.... SYNEDRA	--	-	13	2	--	-	--	-	55	7
... GOMPHONEMATACEAE										
.... GOMPHONEMA	--	-	--	-	--	-	14	1	--	-
... NAVICULACEAE										
.... NAVICULA	--	-	78	13	13	3	--	-	28	4
.... PINNULARIA	--	-	--	-	--	-	--	-	14	2
... NITZSCHIACEAE										
.... NITZSCHIA	41	8	78	13	13	3	200	7	--	-
... TABELLARIACEAE										
.... TABELLARIA	--	-	78	13	--	-	--	-	--	-
CRYPTOPHYTA (CRYPTOMONADS)										
. CRYPTOPHYCEAE										
.. CRYPTOMONADALES										
... CRYPTOCHRYSIDACEAE										
.... CHROOMONAS	--	-	--	-	--	-	--	-	14	2
CYANOPHYTA (BLUE-GREEN ALGAE)										
. CYANOPHYCEAE										
.. CHROOCOCCALES										
... CHROOCOCCACEAE										
.... ANACYSTIS	83#	17	78	13	210#	55	700#	27	--	-
.. HORMOGONALES										
... OSCILLATORIACEAE										
.... OSCILLATORIA	190#	39	--	-	--	-	130	5	--	-

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

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. Flow regulated occasionally at outlet of Swan Lake.

AVERAGE DISCHARGE.--35 years, 12.6 ft^3/s (0.357 m^3/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 51 ft^3/s (1.44 m^3/s) Aug. 12, 1978, gage height, 2.15 ft (0.655 m) (result of regulation); 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, 47 ft^3/s (1.33 m^3/s) Oct. 25, gage height, 1.77 ft (0.540 m); minimum, 0.17 ft^3/s (0.005 m^3/s) July 7, gage height, 0.07 ft (0.021 m) (result of regulation).

REVISIONS.--Revised maximum discharges for water years 1952-80, and revised daily discharges, in cubic feet per second, for Jan. 26, 1978 and Aug. 12, 1978 are given below. These figures supercede those published in WSP 1722, 1902, 2102, and the reports for 1971-80.

Water Year	Date	Discharge (ft^3/s)	Discharge (m^3/s)	Gage height (ft)	Gage height (m)
1952	Aug. 10, 1952	25	0.71	0.83	0.253
1953	July 21, 1953	29	.82	.95	.290
1954	Sept. 11, 1954	32	.91	a1.80	.549
1955	Aug. 12, 1955	32	.91	a1.52	.463
1956	Oct. 16, 1955	31	.88	a1.46	.445
1957	May 20, 1957	28	.79	a .98	.299
1958	July 30, 1958	28	.79	a1.30	.396
1959	July 11, 1959	30	.85	a1.38	.421
1960	July 3, 1960	28	.79	a1.17	.357
1961	July 20, 1961	24	.68	a1.26	.384
1962	Mar. 12, 1962	24	.68	a .86	.262
1963	Dec. 31, 1962	26	.74	a .97	.296
1964	Nov. 30, 1963	44	1.25	1.61	.491
1965	Aug. 2, 1965	33	.93	1.09	.332
1966	Jan. 31, 1966	41	1.16	1.45	.442
1967	July 25, 1967	27	0.76	0.90	0.274
1968	June 27, 1968	28	.79	a1.07	.326
1969	July 28, 1969	31	.88	1.01	.308
1970	Dec. 26, 1969	43	1.22	a1.57	.479
1971	Feb. 8, 1971	36	1.02	1.21	.369
1972	Aug. 15, 1972	38	1.08	1.28	.390
1973	June 30, 1973	45	1.27	1.63	.497
1974	Sept. 2, 1974	47	1.33	.79	.546
1975	June 12, 1975	42	1.19	1.51	.460
1976	Nov. 12, 1975	41	1.16	1.42	.433
1977	July 25, 1977	36	1.02	1.22	.372
1978	Aug. 12, 1978	b51	1.44	2.15	.655
1979	Sept. 30, 1979	b38	1.08	a1.50	.457
1980	Oct. 1, 1979	b37	1.05	a1.41	.430
	Oct. 3, 1979	b37	1.05	a1.41	.430

a - backwater from debris
b - result of regulation

Jan. 26, 1978.....40

Aug. 12, 1978.....31

Month	Total	Mean	Max	Min
Jan. 1978	558	18.0	40	14
Aug. 1978	482	15.5	31	12
Water Year 1978	5,422	14.9	40	9.4
Cal. Year 1978	5,596.4	15.3	40	9.4

01305500 SWAN RIVER AT EAST PATCHOGUE, NY--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	9.4	11	9.8	9.4	11	11	9.8	8.1	14	7.7	13
2	10	9.4	11	9.8	12	10	12	10	9.0	12	7.7	8.1
3	15	9.4	11	9.4	10	10	9.8	9.8	8.5	8.5	7.7	7.7
4	14	9.8	11	9.4	9.4	10	9.8	9.8	8.1	9.0	8.1	7.3
5	11	9.8	10	9.4	9.4	11	12	9.8	7.7	9.0	7.7	7.3
6	10	9.8	10	9.4	9.4	11	15	9.8	8.1	7.3	7.3	7.3
7	10	9.8	11	9.8	9.4	11	10	9.4	8.1	9.8	7.0	7.3
8	9.8	9.8	10	9.8	13	11	10	9.4	8.1	8.5	7.7	7.3
9	9.8	10	10	9.4	10	11	10	9.4	8.1	7.7	7.7	7.0
10	9.8	9.9	11	9.4	9.8	11	10	9.8	8.1	7.3	7.3	7.3
11	11	9.4	10	9.4	9.8	11	10	9.8	7.7	7.3	7.3	7.3
12	10	9.0	10	9.4	9.8	11	10	10	8.1	6.6	7.3	7.3
13	9.4	9.0	11	9.4	9.4	11	9.8	9.8	8.5	6.6	7.3	7.3
14	9.4	9.4	10	9.0	9.4	11	12	9.4	9.0	6.6	7.3	7.3
15	9.4	9.4	10	9.0	9.4	11	11	10	8.5	6.2	7.3	9.4
16	9.4	9.6	10	9.4	9.4	11	9.8	12	8.5	5.9	7.3	13
17	9.4	9.9	10	9.4	9.4	11	9.8	10	7.0	5.9	7.3	9.8
18	10	12	10	9.0	9.4	11	9.8	9.0	6.2	6.2	7.0	9.0
19	10	9.7	10	9.4	9.8	11	9.4	9.0	7.3	6.6	7.0	8.5
20	9.8	9.4	9.8	9.4	14	11	9.8	9.0	9.4	7.0	7.0	8.5
21	9.8	9.4	9.8	9.4	12	11	9.8	9.4	7.3	7.7	7.0	8.5
22	9.8	9.2	9.8	9.4	12	11	9.8	9.8	7.7	7.0	7.0	8.5
23	9.8	9.3	11	9.4	12	11	10	9.0	8.1	7.0	7.3	8.5
24	9.4	13	11	9.4	14	11	12	9.0	7.7	7.3	7.0	8.5
25	19	13	10	9.8	12	11	11	9.0	11	7.3	7.0	8.5
26	19	10	10	9.8	12	11	10	9.0	7.7	7.3	7.0	8.5
27	10	9.9	10	11	11	11	10	9.0	7.0	8.5	7.0	8.5
28	10	20	10	9.8	11	11	10	8.5	6.6	11	7.0	8.5
29	9.8	12	10	9.4	---	11	10	10	7.7	11	7.3	8.1
30	9.4	11	10	9.4	---	12	10	11	7.3	7.7	7.0	8.1
31	9.4	---	10	9.0	---	12	---	8.5	---	7.3	8.1	---
TOTAL	332.6	310.7	318.4	294.2	297.6	340	313.6	297.2	240.2	247.1	226.7	251.2
MEAN	10.7	10.4	10.3	9.49	10.6	11.0	10.5	9.59	8.01	7.97	7.31	8.37
MAX	19	20	11	11	14	12	15	12	11	14	8.1	13
MIN	9.4	9.0	9.8	9.0	9.4	10	9.4	8.5	6.2	5.9	7.0	7.0

CAL YR 1980 TOTAL 4695.8 MEAN 12.8 MAX 31 MIN 9.0
WTR YR 1981 TOTAL 3469.5 MEAN 9.51 MAX 20 MIN 5.9

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 Health Services.

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)
DEC									
01...	1259	11	96	6.8	7.0	10.4	1.9	9.2	1.6
MAR									
11...	1255	11	94	6.8	9.0	10.6	1.9	9.4	1.5
JUN									
16...	1200	9.0	90	6.7	19.0	9.7	1.9	8.0	1.2
SEP									
14...	1100	7.3	93	7.1	20.0	8.3	1.9	9.5	1.3

DATE	ALKA-LINITY FIELD (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)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	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)
DEC									
01...	15	8.8	10	--	1.6	1.60	.010	.010	.230
MAR									
11...	14	8.8	10	<.5	1.5	1.50	.011	.011	.150
JUN									
16...	15	8.6	11	<.5	1.2	1.20	.022	.022	.100
SEP									
14...	16	8.3	11	<.5	1.2	1.20	.014	.014	.080

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	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)
DEC									
01...	.200	.50	.50	.006	.012	200	120	50	<.02
MAR									
11...	.130	.30	.40	.003	.006	200	100	70	.04
JUN									
16...	.080	1.20	.50	.009	.005	200	200	60	<.02
SEP									
14...	.050	.40	.20	.012	.006	200	120	80	<.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 mi² (35.0 km²).

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 Health Services.

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)
DEC 01...	1443	12	150	6.9	7.0	9.2	3.2	15	3.6
MAR 15...	1355	--	150	6.8	7.0	11.2	3.1	16	3.4
JUN 16...	1300	--	148	6.8	22.0	8.3	4.5	16	2.7
SEP 14...	1300	--	145	7.1	23.0	9.0	3.1	16	2.8

DATE	ALKA-LINITY FIELD (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)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	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)
DEC 01...	33	12	19	--	1.8	1.80	.060	.061	.990
MAR 15...	27	12	19	<.5	2.0	1.90	.015	.014	.750
JUN 16...	29	12	22	<.5	1.6	1.60	.052	.052	.400
SEP 14...	27	11	20	<.5	1.6	1.60	.023	.023	.130

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	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)
DEC 01...	1.00	1.30	1.5	.006	.009	500	400	340	<.02
MAR 15...	.760	1.10	1.0	.013	.005	600	400	330	.04
JUN 16...	.390	.80	.70	.008	.003	500	400	260	<.02
SEP 14...	.110	.40	.40	.013	.005	750	500	450	<.02

01306440 CONNETQUOT BROOK AT CENTRAL ISLIP, NY

LOCATION.--Lat 40°47'33", long 73°09'58", Suffolk County, Hydrologic Unit 02030202, 200 ft (61 m) downstream from 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.

DRAINAGE AREA.--About 12 mi^2 (31 km^2).

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1968, 1971-78. May 1979 to current year.

GAGE.--Water-stage recorder and Parshall flume. Datum of gage is 29.93 ft (9.123 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 40 ft^3/s (1.13 m^3/s) Aug. 4, 1979, gage height, 1.56 ft (0.475 m); minimum, 0.36 ft^3/s (0.010 m^3/s) July 15, 1980 (result of regulation), gage height, 0.12 ft (0.037 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 18 ft^3/s (0.51 m^3/s) Sept. 1, gage height, 0.94 ft (0.287 m); minimum, 0.78 ft^3/s (0.022 m^3/s) Aug. 26-31, gage height, 0.16 ft (0.049 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.9	3.9	6.4	3.5	2.8	4.8	3.5	3.5	2.6	2.1	1.3	6.1
2	3.9	3.7	6.0	3.7	3.7	4.6	4.2	3.7	2.6	2.1	1.3	2.3
3	4.6	3.7	5.9	3.7	3.5	4.4	3.5	3.5	2.6	2.6	1.3	2.0
4	5.4	3.9	5.4	3.5	3.2	4.2	3.3	3.5	2.6	2.8	1.3	1.8
5	4.8	3.9	5.2	3.5	3.0	4.4	3.7	3.3	2.5	2.8	1.3	1.7
6	4.4	3.7	5.2	3.5	3.0	4.2	5.4	3.3	2.5	2.5	1.2	1.7
7	4.4	3.7	5.0	3.7	2.8	4.2	4.6	3.2	2.3	2.5	1.2	1.7
8	4.2	3.7	5.0	3.5	3.7	4.4	4.4	3.2	2.3	2.3	1.3	1.7
9	4.2	3.9	5.0	3.3	3.3	4.2	4.2	3.0	2.3	2.1	1.4	1.5
10	3.9	4.2	5.0	3.3	3.2	3.9	3.9	3.2	2.3	2.0	1.3	1.5
11	4.4	3.9	4.8	3.3	3.5	3.9	3.9	3.2	2.1	2.0	1.4	1.4
12	4.4	3.7	4.6	3.3	3.3	3.9	3.9	3.0	2.1	2.0	1.8	1.4
13	4.2	3.7	4.6	3.3	3.2	3.7	3.7	3.0	2.1	1.8	1.7	1.4
14	3.9	3.7	4.4	3.3	3.2	3.7	4.8	3.0	2.1	1.8	1.5	1.3
15	3.9	3.7	4.2	3.3	3.2	3.5	4.6	4.2	2.3	1.7	1.5	2.3
16	3.9	3.7	4.4	3.1	3.0	3.7	4.2	3.9	2.1	1.7	1.2	3.7
17	3.9	3.7	4.2	3.0	3.0	3.5	4.2	3.5	2.0	1.7	1.1	2.5
18	4.2	4.6	4.2	3.0	3.0	3.3	3.9	3.3	1.8	1.7	1.1	2.1
19	4.4	4.2	4.2	3.0	3.0	3.3	3.9	3.2	1.8	1.7	1.1	2.1
20	3.9	3.9	3.9	3.0	5.2	3.3	3.7	3.2	2.3	1.8	.95	2.0
21	3.9	3.7	3.9	2.8	5.2	3.2	3.7	3.0	2.0	2.0	.95	1.8
22	3.7	3.7	3.9	2.8	4.6	3.2	3.7	3.0	1.8	1.7	.95	1.8
23	3.7	3.7	4.2	2.8	4.4	3.2	3.9	2.8	1.7	1.5	1.1	1.8
24	3.7	4.4	4.2	3.2	5.9	3.0	4.8	2.8	1.7	1.5	.95	1.7
25	5.4	6.8	3.7	3.0	4.8	3.2	4.2	2.6	3.5	1.5	.86	1.7
26	5.4	5.2	3.7	3.0	5.4	3.0	3.9	2.6	3.7	1.5	.86	1.5
27	4.6	4.8	3.7	3.0	5.0	3.2	3.7	2.6	3.0	1.5	.86	1.5
28	4.4	9.7	3.7	3.0	4.8	3.3	3.7	2.6	2.6	1.5	.86	1.8
29	4.2	8.5	3.7	2.8	---	3.3	3.7	3.0	2.4	1.7	.86	1.5
30	3.9	6.8	3.7	2.8	---	3.7	3.7	2.6	2.1	1.4	.86	1.5
31	3.9	---	3.7	2.8	---	3.5	---	2.8	---	1.4	.86	---
TOTAL	131.6	134.4	139.7	98.8	105.9	114.9	120.5	97.3	69.8	58.9	36.22	58.8
MEAN	4.25	4.48	4.51	3.19	3.78	3.71	4.02	3.14	2.33	1.90	1.17	1.96
MAX	5.4	9.7	6.4	3.7	5.9	4.8	5.4	4.2	3.7	2.8	1.8	6.1
MIN	3.7	3.7	3.7	2.8	2.8	3.0	3.3	2.6	1.7	1.4	.86	1.3

CAL YR 1980 TOTAL 2806.10 MEAN 7.67 MAX 26 MIN 3.7
WTR YR 1981 TOTAL 1166.82 MEAN 3.20 MAX 9.7 MIN .86

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 dirt road in Connetquot River State Park Preserve, and 1.8 mi (2.9 km) upstream from gaging station 01306499.

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

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

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 PERIOD OF RECORD.--Maximum discharge, 146 ft^3/s (4.13 m^3/s) Aug. 12, 1978, gage height, 2.78 ft (0.847 m) from flood marks; minimum, 13 ft^3/s (0.37 m^3/s) Aug. 18-22, 1981, gage height, 1.88 ft (0.573 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 76 ft^3/s (2.15 m^3/s) Sept. 1, gage height, 2.39 ft (0.728 m); minimum, 13 ft^3/s (0.37 m^3/s) Aug. 18-22, gage height, 1.88 ft (0.573 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	18	27	19	17	25	22	21	19	18	14	43
2	20	18	25	19	21	24	25	21	19	18	14	26
3	23	18	25	19	20	23	23	20	19	21	14	21
4	28	19	23	19	20	23	22	20	18	21	14	19
5	23	19	23	19	19	24	23	20	18	23	14	19
6	22	18	23	18	19	24	32	20	18	21	14	18
7	22	18	23	19	18	23	27	20	17	20	14	17
8	21	18	23	19	21	23	26	19	17	19	15	17
9	20	19	23	19	20	23	26	19	17	18	16	17
10	20	19	23	18	19	23	25	19	17	18	15	16
11	22	19	22	18	20	22	24	19	17	18	14	16
12	23	18	22	18	20	22	24	19	16	17	15	15
13	21	18	21	18	20	22	24	19	16	17	15	15
14	19	18	21	18	19	21	27	19	16	16	14	14
15	19	18	21	18	19	21	27	24	17	16	14	18
16	19	18	21	18	19	21	25	23	17	16	14	29
17	19	18	21	18	18	21	24	21	16	16	14	22
18	19	21	21	18	18	21	24	20	16	15	14	20
19	22	19	21	18	18	21	24	20	15	15	13	19
20	20	19	20	18	26	22	23	20	17	17	13	18
21	19	19	20	18	25	22	23	20	17	17	13	17
22	19	18	20	18	23	22	23	19	16	16	13	17
23	19	18	20	18	23	22	23	19	15	16	14	17
24	19	20	20	18	31	21	27	19	15	15	14	16
25	26	28	19	18	26	21	23	19	24	15	14	16
26	23	23	19	17	27	21	21	19	30	15	14	16
27	20	22	19	17	25	21	21	19	22	15	14	16
28	19	37	19	18	25	21	21	19	20	15	14	17
29	19	35	19	18	---	21	21	20	19	16	14	16
30	19	29	19	17	---	22	21	19	19	15	14	16
31	19	---	19	17	---	23	---	19	---	14	14	---
TOTAL	643	619	662	562	596	686	721	614	539	529	436	563
MEAN	20.7	20.6	21.4	18.1	21.3	22.1	24.0	19.8	18.0	17.1	14.1	18.8
MAX	28	37	27	19	31	25	32	24	30	23	16	43
MIN	19	18	19	17	17	21	21	19	15	14	13	14

CAL YR 1980 TOTAL 10152 MEAN 27.7 MAX 76 MIN 18
WTR YR 1981 TOTAL 7170 MEAN 19.6 MAX 43 MIN 13

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 of 4.74 ft (1.445 m) National Geodetic Vertical Datum of 1929. 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.--38 years, 38.6 ft^3/s (1.093 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, 60 ft^3/s (1.70 m^3/s) Nov. 29; minimum daily, 19 ft^3/s (0.54 m^3/s) Aug. 19, 20.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	30	41	30	27	39	29	30	30	32	22	51
2	32	30	40	30	34	37	34	30	29	31	22	39
3	37	30	39	29	33	36	30	29	29	35	24	32
4	44	32	37	29	30	34	30	30	30	36	24	29
5	35	32	36	29	29	36	31	30	30	38	24	28
6	33	31	36	29	30	37	42	29	30	35	22	27
7	35	31	35	31	30	36	35	29	29	34	22	27
8	34	31	35	28	34	38	33	28	29	33	24	26
9	32	31	34	27	33	36	33	28	29	32	25	26
10	31	34	34	28	30	34	32	28	29	32	24	24
11	33	31	33	28	33	34	32	28	27	31	22	24
12	31	31	32	28	33	33	32	29	27	31	22	23
13	30	32	32	28	30	33	30	27	27	31	22	23
14	29	32	31	28	30	32	34	27	29	29	22	25
15	28	30	31	28	29	30	37	32	29	28	23	25
16	30	29	31	28	29	31	32	33	29	28	23	39
17	30	29	33	28	29	31	32	30	28	28	21	34
18	31	35	32	29	28	31	31	30	27	26	20	29
19	31	34	31	29	27	31	30	29	27	24	19	28
20	30	32	30	28	39	31	30	29	30	27	19	27
21	30	31	29	28	42	31	30	28	29	29	21	23
22	29	31	29	28	37	32	30	29	29	26	22	25
23	29	32	30	28	35	31	29	31	28	25	21	25
24	30	33	31	28	47	29	36	30	25	26	21	24
25	38	45	30	28	41	29	35	29	41	24	21	23
26	45	36	29	28	43	29	32	29	53	23	21	23
27	34	33	29	28	40	29	30	29	37	23	21	25
28	33	56	30	28	39	28	30	29	33	23	21	26
29	32	60	30	28	---	29	30	31	32	26	20	23
30	31	46	31	27	---	30	30	30	31	24	20	21
31	30	---	30	27	---	32	---	30	---	23	20	---
TOTAL	1008	1030	1011	878	941	1009	961	910	912	893	675	824
MEAN	32.5	34.3	32.6	28.3	33.6	32.5	32.0	29.4	30.4	28.8	21.8	27.5
MAX	45	60	41	31	47	39	42	33	53	38	25	51
MIN	28	29	29	27	27	28	29	27	25	23	19	21

CAL YR 1980 TOTAL 16328 MEAN 44.6 MAX 132 MIN 28
WTR YR 1981 TOTAL 11052 MEAN 30.3 MAX 60 MIN 19

01306500 CONNETQUOT RIVER NEAR OAKDALE, NY--Continued

WATER-QUALITY

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 Health Services.

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)
MAR 16...	1400	21	85	7.1	8.0	10.6	2.7	7.6	1.2
JUN 17...	1400	24	90	7.0	22.0	11.8	2.7	7.0	1.0
SEP 15...	1400	20	89	7.2	19.0	8.8	2.7	8.0	1.0

DATE	ALKA-LINITY FIELD (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)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	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)
MAR 16...	17	8.0	9.2	<.5	1.5	1.50	.005	.006	.060
JUN 17...	20	6.5	10	<.5	1.2	1.20	.016	.017	.090
SEP 15...	18	6.5	9.8	<.5	1.3	1.30	.012	.012	.090

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	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)
MAR 16...	.080	.30	.30	.022	.004	200	200	70	.02
JUN 17...	.090	.70	.30	.016	.007	300	300	50	<.02
SEP 15...	.060	.40	.40	.008	.005	200	150	20	<.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 mi² (16.5 km²).

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 Health Services.

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)
DEC 04...	1045	205	5.8	5.0	7.6	4.5	24	3.1	16
MAR 16...	1310	190	6.4	10.0	7.9	3.5	22	3.2	17
JUN 17...	1300	185	6.0	17.0	7.3	6.0	19	2.4	18
SEP 15...	1300	185	6.4	14.0	5.8	3.5	20	2.7	20

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)
DEC 04...	24	34	--	3.3	3.40	.016	.016	.310	.290
MAR 16...	24	33	<.5	2.7	2.70	.012	.012	.290	.260
JUN 17...	20	31	<.5	2.3	2.30	.043	.043	.450	.450
SEP 15...	20	29	<.5	2.5	2.50	.030	.030	.520	.510

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (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)
DEC 04...	.60	.40	<.002	.003	270	200	750	--
MAR 16...	.60	.60	<.003	<.002	350	250	580	.04
JUN 17...	.80	1.0	.007	.003	600	400	460	<.02
SEP 15...	.60	.60	.004	.004	350	200	700	<.02

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 m) 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 Health Services.

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)
DEC 02...	1520	260	6.2	12.0	7.0	3.5	35	3.4	23
MAR 16...	1210	255	6.6	11.0	8.5	3.4	34	3.8	23
SEP 15...	1100	255	6.6	16.0	5.6	3.5	34	3.3	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)
DEC 02...	26	48	--	3.4	3.40	.017	.017	.770	.770
MAR 16...	23	50	<.5	3.7	3.70	.015	.015	.660	.680
SEP 15...	22	48	<.5	3.7	3.60	.054	.052	.670	.610

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (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)
DEC 02...	1.10	1.0	.003	.005	1450	500	950	.03
MAR 16...	1.10	1.1	.004	.002	400	300	750	.08
SEP 15...	.90	.80	.015	.012	540	250	600	.05

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 at datum 0.34 ft (0.104 m) higher.

REMARKS.--Records good except those for November, January, February, and 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.--37 years, 9.63 ft^3/s (0.273 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. 25	1230	63	1.78	1.41	0.43
Nov. 28	1130	85	2.41	1.97	.60
June 25	2100	70	1.98	1.56	0.48
Sept. 1	1015	a*113	3.20	*2.53	.77

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) Nov. 22, 23, minimum gage height, 0.22 ft (0.067 m) Oct. 22-24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.8	5.1	6.5	5.8	4.2	7.9	6.8	7.9	5.8	5.8	4.5	47
2	5.2	4.8	7.2	6.1	10	7.6	9.4	8.8	6.9	5.5	4.8	8.3
3	8.3	4.9	8.3	5.5	5.2	7.6	6.8	7.9	6.1	6.1	4.5	6.8
4	10	6.9	6.9	5.5	4.8	7.6	6.8	7.6	6.1	17	4.5	6.5
5	5.9	6.0	6.8	5.2	4.5	7.9	10	7.6	5.8	8.3	4.5	6.1
6	5.9	5.3	6.5	5.8	4.5	7.9	15	7.5	6.1	6.5	4.5	6.8
7	5.7	5.5	6.7	6.5	4.5	7.6	9.1	7.0	5.5	6.1	4.2	6.1
8	5.8	5.2	7.2	4.8	14	7.6	9.1	6.9	5.5	6.1	4.8	6.5
9	5.4	6.1	7.6	4.8	5.5	7.6	8.7	7.3	5.8	5.8	5.2	7.2
10	4.8	5.8	7.6	4.8	4.5	7.6	8.7	7.3	5.5	5.8	4.2	6.1
11	6.1	5.2	6.9	4.8	6.8	7.9	8.7	7.6	5.2	5.8	4.2	6.1
12	5.5	4.8	6.9	4.8	5.8	7.6	8.7	7.6	5.2	5.8	4.2	6.1
13	5.2	4.8	7.0	4.8	6.1	7.6	7.9	7.6	4.8	6.1	4.2	5.8
14	4.8	4.5	6.6	5.2	5.8	7.2	12	7.2	5.2	5.8	4.2	5.8
15	4.8	4.2	6.4	5.2	5.8	7.2	9.0	7.2	5.5	5.8	4.5	18
16	4.8	4.2	6.8	4.8	5.8	7.6	8.7	7.9	5.2	5.8	5.2	22
17	4.8	4.2	6.5	5.2	5.8	7.2	8.7	6.8	4.8	5.8	4.5	8.3
18	5.8	7.9	6.5	5.2	5.5	6.5	8.5	6.7	4.8	5.8	4.2	7.9
19	5.8	3.8	6.1	5.2	5.8	6.8	8.0	6.6	4.8	5.8	4.5	9.4
20	4.5	4.2	5.8	4.8	17	6.5	8.1	6.6	9.8	8.3	4.5	7.6
21	4.5	4.2	5.8	4.8	7.9	6.5	7.6	6.5	5.8	11	4.8	7.2
22	4.4	3.8	5.8	5.2	7.2	6.1	7.6	6.4	5.8	7.6	4.5	7.6
23	4.2	3.8	7.6	5.2	7.2	6.5	8.3	6.3	5.2	5.8	4.5	7.6
24	4.5	7.6	7.6	5.2	12	6.5	11	6.1	4.8	5.8	4.5	6.8
25	18	11	5.8	5.2	7.6	6.1	8.2	6.2	21	5.5	4.5	6.5
26	5.8	4.2	5.5	5.2	9.1	6.1	7.9	6.1	9.4	5.5	4.5	6.5
27	5.1	4.5	5.5	5.5	7.6	6.8	7.9	6.1	6.1	5.5	4.8	6.5
28	5.6	25	5.5	4.8	8.7	6.1	7.9	6.1	5.8	4.8	5.8	8.7
29	5.0	6.1	5.8	4.5	---	6.5	9.0	7.7	5.8	9.4	4.8	6.1
30	5.0	6.1	5.8	4.5	---	8.7	8.0	6.2	5.5	4.8	5.2	6.1
31	5.3	---	5.5	4.2	---	6.8	---	6.4	---	4.5	9.8	---
TOTAL	182.3	179.7	203.0	159.1	199.2	221.7	262.1	217.7	189.6	204.0	147.6	274.0
MEAN	5.88	5.99	6.55	5.13	7.11	7.15	8.74	7.02	6.32	6.58	4.76	9.13
MAX	18	25	8.3	6.5	17	8.7	15	8.8	21	17	9.8	47
MIN	4.2	3.8	5.5	4.2	4.2	6.1	6.8	6.1	4.8	4.5	4.2	5.8

CAL YR 1980 TOTAL 3637.4 MEAN 9.94 MAX 51 MIN 3.8
WTR YR 1981 TOTAL 2440.0 MEAN 6.68 MAX 47 MIN 3.8

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 Health Services.

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)
DEC									
02...	1450	7.2	210	6.2	11.0	5.8	3.2	23	3.9
MAR									
16...	1120	7.6	225	6.6	9.0	8.7	3.3	26	4.5
SEP									
15...	1000	6.5	220	6.3	17.0	4.7	3.5	26	3.9

DATE	ALKA-LINITY FIELD (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)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	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)
DEC									
02...	32	26	27	--	2.6	2.60	.020	.021	2.00
MAR									
16...	35	26	32	<.5	2.7	2.70	.014	.014	2.60
SEP									
15...	26	26	31	<.5	4.0	4.00	.104	.101	.940

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	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)
DEC									
02...	2.00	2.20	2.3	.004	.006	1250	1000	1300	.08
MAR									
16...	2.60	4.10	3.8	.010	.003	1600	1300	1600	.09
SEP									
15...	.910	1.00	1.2	.008	.003	450	340	900	.05

01308500 CARLLS RIVER AT BABYLON, NY

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

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

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) National Geodetic Vertical Datum of 1929.

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

AVERAGE DISCHARGE.--37 years, 26.6 ft³/s (0.753 m³/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 243 ft³/s (6.88 m³/s) Jan. 21, 1979, gage height, 2.26 ft (0.689 m); minimum, 0.05 ft³/s (0.001 m³/s) Sept. 4, 1963, July 6, 1966, Aug. 29, 1972 (result of regulation); minimum gage height, 0.03 ft (0.009 m) July 6, 1966, Aug. 29, 1972 (result of regulation); minimum daily, 4.5 ft³/s (0.13 m³/s) July 6, 1966.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 190 ft³/s (5.38 m³/s) Sept. 1, gage height, 1.97 ft (0.600 m); minimum, 9.8 ft³/s (0.28 m³/s) Aug. 7, 8, gage height, 0.45 ft (0.137 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	19	30	21	19	34	24	24	18	17	12	124
2	16	20	31	20	26	30	29	26	21	17	11	50
3	18	19	30	20	27	28	25	24	20	25	11	27
4	23	23	20	19	24	27	23	23	19	46	11	22
5	18	25	19	18	24	29	25	22	18	52	11	20
6	21	22	20	18	24	30	45	22	18	28	10	19
7	21	21	21	21	24	29	30	21	17	23	10	18
8	21	21	21	19	31	31	26	21	16	21	10	18
9	20	22	21	18	29	29	26	20	17	20	14	20
10	19	24	23	18	26	28	25	18	17	18	13	17
11	20	22	21	18	27	28	25	20	16	17	13	16
12	21	20	20	18	28	29	26	23	16	16	13	16
13	20	19	21	18	23	27	24	22	15	16	13	15
14	19	19	20	18	22	26	32	22	16	18	13	15
15	18	17	19	18	22	26	38	22	16	19	13	32
16	18	18	21	18	22	26	28	28	16	13	14	59
17	18	19	20	18	22	26	27	26	15	12	12	33
18	19	24	20	18	22	25	26	22	14	12	11	25
19	24	21	19	18	22	25	24	21	14	13	11	24
20	20	19	18	18	52	25	24	20	24	15	11	22
21	20	19	18	18	44	25	23	20	21	22	11	20
22	20	19	18	18	33	23	23	20	18	25	11	19
23	19	18	21	18	30	23	27	20	16	16	11	19
24	19	23	23	18	47	23	40	19	15	13	11	18
25	39	56	24	18	34	23	30	18	40	12	11	17
26	34	30	24	18	38	23	26	18	55	12	10	17
27	26	24	24	20	34	23	25	18	24	14	11	17
28	28	69	24	20	32	22	24	18	20	12	13	19
29	24	55	22	19	---	23	27	28	18	21	11	16
30	21	34	22	19	---	25	24	22	17	16	11	16
31	20	---	21	19	---	27	---	22	---	12	16	---
TOTAL	660	761	676	577	808	818	821	670	587	593	364	770
MEAN	21.3	25.4	21.8	18.6	28.9	26.4	27.4	21.6	19.6	19.1	11.7	25.7
MAX	39	69	31	21	52	34	45	28	55	52	16	124
MIN	16	17	18	18	19	22	23	18	14	12	10	15

CAL YR 1980 TOTAL 10517 MEAN 28.7 MAX 148 MIN 12
WTR YR 1981 TOTAL 8105 MEAN 22.2 MAX 124 MIN 10

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 Health Services.

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)
DEC 02...	1340	32	185	6.5	9.0	8.2	2.7	21	3.4
MAR 16...	1050	26	220	7.0	6.0	9.8	3.2	30	4.3
JUN 17...	1000	16	195	8.3	25.0	7.2	3.5	23	3.1
SEP 15...	0900	15	195	6.7	22.0	6.3	3.5	25	3.4

DATE	ALKA-LINITY FIELD (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)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	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)
DEC 02...	20	25	25	--	2.3	2.30	.011	.011	1.50
MAR 16...	25	28	35	<.5	3.0	3.00	.015	.015	1.60
JUN 17...	20	26	30	<.5	2.2	2.20	.070	.090	.450
SEP 15...	20	24	32	<.5	2.8	2.80	.053	.053	.400

DATE	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	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)
DEC 02...	1.50	1.60	1.8	.003	.002	350	200	600	.04
MAR 16...	1.60	2.60	2.9	.004	<.002	400	250	910	.08
JUN 17...	.480	.90	1.2	.012	.002	300	300	420	.02
SEP 15...	.400	.60	.80	.004	<.002	250	120	600	.02

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 mi² (18 km²).

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 Health Services.

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)
DEC 02...	1210	295	6.5	11.0	5.7	4.5	29	6.5	57
MAR 16...	0940	290	6.8	9.0	8.4	4.6	34	7.0	58
JUN 17...	0900	260	6.3	16.0	4.9	5.0	29	4.5	57
SEP 15...	0800	295	6.6	16.0	4.3	5.0	32	6.0	66

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)
DEC 02...	46	38	--	1.2	1.20	.012	.012	3.00	3.00
MAR 16...	35	44	<.5	1.4	1.30	.013	.013	3.40	3.40
JUN 17...	33	39	<.5	1.3	1.30	.030	.032	3.00	3.00
SEP 15...	32	39	<.5	1.4	1.40	.048	.048	2.90	2.90

DATE	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (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)
DEC 02...	3.10	3.2	.004	.005	2800	2500	2900	.07
MAR 16...	5.30	5.4	.007	<.002	3000	2700	2700	.09
JUN 17...	3.50	3.2	.013	.002	2500	2100	2600	.04
SEP 15...	3.00	3.0	.016	<.002	3600	3300	3300	.04

01309500 MASSAPEQUA CREEK AT MASSAPEQUA, NY

LOCATION.--Lat 40°41'20", long 73°27'19", Nassau County, Hydrologic Unit 02030202, on left bank 3000 ft (914 m) upstream from Clark Boulevard Bridge in Massapequa, and 350 ft (107 m) west of Lake Shore Drive at Garfield Street in Massapequa Park. Water-quality sampling site at discharge station.

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

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: 1966-69 (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.--44 years (1937-81), 11.4 ft³/s (0.323 m³/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 510 ft³/s (14.4 m³/s) July 29, 1980, gage height, 2.40 ft (0.732 m), from rating curve extended above 170 ft³/s (4.81 m³/s); minimum, 0.95 ft³/s (0.027 m³/s) Aug. 4, 1963, Nov. 2, 1965, Jan. 8, 1977 (result of freezeup); minimum gage height, 0.32 ft (0.098 m) Aug. 1, 1954, datum then in use.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 110 ft³/s (3.12 m³/s) and maximum (*):

		Discharge		Gage height				Discharge		Gage height	
Date	Time	(ft³/s)	(m³/s)	(ft)	(m)	Date	Time	(ft³/s)	(m³/s)	(ft)	(m)
Nov. 24	2330	117	3.31	1.53	0.466	Nov. 28	1330	a*191	5.41	*1.76	0.536

a From rating extended above 170 ft³/s (4.81 m³/s).

Minimum discharge, 1.8 ft³/s (0.051 m³/s) Aug. 21, gage height, 0.61 ft (0.186 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.4	4.9	8.6	5.4	4.4	10	9.0	11	4.0	4.0	2.6	16
2	3.4	4.9	8.1	5.4	14	8.6	10	6.7	6.7	3.6	2.6	4.4
3	3.4	4.6	9.0	4.9	9.5	8.1	9.0	4.4	4.9	16	2.6	3.3
4	5.8	6.7	7.7	4.9	7.7	8.1	8.6	9.5	4.9	28	2.6	3.3
5	4.0	6.3	7.2	4.9	5.4	8.6	11	8.6	4.4	11	2.3	3.0
6	4.0	4.9	6.7	4.9	5.4	9.0	19	4.4	4.4	5.8	2.3	3.0
7	4.0	4.9	6.7	4.9	5.4	8.6	9.5	4.0	4.0	4.9	2.3	2.6
8	4.0	4.9	6.7	4.9	14	9.0	8.6	3.6	5.4	4.0	2.6	3.0
9	4.0	5.8	6.7	4.9	7.2	10	7.2	3.6	6.7	3.6	3.3	3.3
10	4.0	5.8	7.2	4.9	5.4	16	6.7	4.0	5.8	3.3	2.6	2.6
11	4.3	4.9	6.7	4.9	13	17	7.2	4.4	5.8	3.0	2.6	2.6
12	4.3	4.9	6.3	4.9	7.7	14	8.1	4.4	4.9	2.6	3.0	2.6
13	4.0	4.9	6.3	4.9	6.3	14	7.7	3.6	3.3	2.6	3.0	2.6
14	4.0	4.6	6.3	4.9	5.8	14	18	3.6	3.6	2.6	2.6	2.6
15	3.7	4.6	5.8	4.9	5.4	14	6.7	4.9	3.6	2.3	2.6	11
16	3.7	4.6	6.3	4.9	5.4	12	5.4	8.2	3.3	2.0	3.0	19
17	4.0	4.6	6.3	4.9	5.4	12	5.4	4.4	3.3	2.0	2.6	5.8
18	6.2	9.4	6.3	4.9	5.4	11	5.4	4.0	3.0	2.0	2.3	4.4
19	5.4	5.8	5.8	4.9	5.4	12	4.9	4.0	2.6	2.0	2.0	4.4
20	4.0	5.4	5.8	4.9	23	11	8.1	4.0	10	3.3	2.0	3.6
21	4.0	4.9	5.8	4.9	9.5	9.5	9.5	4.0	4.4	8.2	2.0	3.3
22	4.0	4.9	5.4	4.9	8.1	9.5	9.5	4.0	4.0	4.0	2.0	3.6
23	3.7	4.9	6.7	4.9	8.6	9.0	9.5	4.0	3.3	2.6	2.0	5.8
24	3.7	14	7.7	4.9	17	8.6	15	4.0	3.0	2.3	2.0	3.6
25	20	21	6.3	4.9	9.5	8.6	12	3.6	25	2.3	2.0	3.3
26	7.2	7.2	4.9	6.3	15	8.1	12	3.6	9.1	2.0	2.0	3.3
27	5.8	6.3	4.9	11	9.5	10	12	3.6	4.4	5.4	2.0	3.3
28	5.8	56	4.9	10	11	9.0	12	3.6	3.6	3.0	2.6	3.3
29	5.4	12	5.8	9.5	---	9.0	13	9.3	3.0	8.1	2.3	3.0
30	4.9	9.5	5.8	8.6	---	9.5	12	4.4	2.6	3.6	2.3	3.0
31	4.9	---	5.4	4.9	---	10	---	5.8	---	3.0	2.3	---
TOTAL	153.0	248.1	200.1	173.8	249.4	327.8	292.0	155.2	157.0	153.1	75.0	138.6
MEAN	4.94	8.27	6.45	5.61	8.91	10.6	9.73	5.01	5.23	4.94	2.42	4.62
MAX	20	56	9.0	11	23	17	19	11	25	28	3.3	19
MIN	3.4	4.6	4.9	4.9	4.4	8.1	4.9	3.6	2.6	2.0	2.0	2.6

CAL YR 1980 TOTAL 4268.8 MEAN 11.7 MAX 155 MIN 2.8
WTR YR 1981 TOTAL 2323.1 MEAN 6.36 MAX 56 MIN 2.0

01309500 MASSAPEQUA CREEK AT MASSAPEQUA, NY--Continued

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	HARD-NESS (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
DEC 19...	0820	5.8	340	6.1	8.0	--	7.1	60	--	--
MAR 25...	1105	9.0	340	6.2	11.5	772	8.0	72	120	41
JUN 24...	0615	3.0	300	5.7	16.0	766	4.2	42	67	20

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS 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)
DEC 19...	--	--	--	13	--	--	<.1	--	--	8.0
MAR 25...	4.4	23	5.0	--	44	30	--	--	--	4.0
JUN 24...	4.1	30	4.6	18	37	34	<.1	7.7	148	3.1

DATE	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, 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 19...	--	.000	--	--	--	.040	--	540	2000	.10
MAR 25...	3.60	.020	1.90	--	--	--	<.010	--	--	.10
JUN 24...	3.00	.080	.360	.94	4.5	.040	.020	220	800	.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 mi² (44 km²).

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 of 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 during the year was affected by dewatering activities connected with sewer construction.

AVERAGE DISCHARGE.--44 years (1937-81), 10.5 ft³/s (0.297 m³/s).

EXTREMES FOR PERIOD OF RECORD (1903 and SINCE 1937).--Maximum daily discharge, 162 ft³/s (4.59 m³/s) Sept. 12, 1960; maximum discharge prior to beginning of diversion in November 1955, 340 ft³/s (9.63 m³/s) June 1, 1952, adjusted to include flow bypassing station; maximum gage height, 4.57 ft (1.393 m) June 1, 1952; minimum daily, 0.40 ft³/s (0.011 m³/s) Aug. 31, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 38 ft³/s (1.08 m³/s) Nov. 28; minimum daily, 0.40 ft³/s (0.011 m³/s) Aug. 31.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.4	3.4	5.0	3.3	3.1	6.0	11	10	3.8	3.9	6.6	19
2	2.4	3.2	5.9	3.4	7.6	5.6	11	10	6.7	1.8	6.9	2.0
3	3.5	3.8	5.3	3.4	4.3	5.1	10	7.8	4.9	8.5	6.6	1.6
4	4.0	5.7	4.3	3.4	4.0	5.1	9.5	7.7	5.6	23	6.2	.98
5	2.7	3.7	4.6	3.2	3.6	5.9	13	7.7	5.2	6.6	6.0	1.3
6	2.7	3.1	4.5	3.2	3.6	5.9	14	6.7	5.3	3.6	6.0	2.3
7	2.8	3.2	4.2	3.8	3.6	5.5	8.6	6.1	5.2	3.0	5.7	2.0
8	2.9	2.9	4.9	3.2	11	5.6	8.6	6.6	4.3	2.5	6.4	.95
9	2.7	4.1	5.2	3.2	5.4	5.5	8.1	6.8	4.0	2.6	6.1	1.2
10	2.6	3.5	5.1	3.2	4.5	5.5	7.2	6.4	4.5	7.0	6.4	.73
11	3.3	3.9	4.8	3.2	7.9	6.0	8.9	6.4	4.1	7.9	5.0	.84
12	2.7	4.1	4.8	3.2	5.5	5.7	9.0	6.0	5.1	6.8	1.6	.84
13	2.4	3.7	5.0	3.2	5.1	5.1	8.4	5.9	3.5	8.1	1.9	.76
14	2.6	3.9	4.5	3.2	4.6	4.8	20	6.6	3.1	8.3	1.3	.76
15	2.6	3.5	4.4	3.2	3.9	4.8	12	12	3.0	7.9	1.2	4.1
16	2.6	3.2	4.3	3.2	3.9	4.8	10	6.3	3.1	7.9	1.2	7.1
17	2.4	3.3	4.1	3.2	3.9	4.8	11	4.8	3.5	7.5	1.2	1.7
18	5.2	6.0	3.8	3.2	3.8	4.7	9.0	4.6	3.1	7.4	1.1	1.5
19	3.6	3.2	3.8	3.2	3.9	4.7	9.5	4.4	2.0	7.2	1.1	1.6
20	3.0	3.0	3.6	3.2	17	4.6	9.0	4.5	6.2	9.1	.76	1.4
21	3.0	3.2	3.6	3.4	7.2	4.6	9.0	3.8	2.4	12	.69	1.9
22	2.8	2.9	3.6	3.3	5.7	4.2	8.0	4.0	2.8	7.7	.69	3.1
23	2.5	2.7	4.6	3.3	6.2	5.1	8.9	4.0	1.5	7.2	.69	2.4
24	2.8	12	5.1	3.0	12	11	12	3.9	1.3	6.9	.69	.99
25	15	10	3.8	3.0	5.7	12	8.1	3.9	13	6.9	.69	.89
26	4.6	4.1	4.2	3.3	8.9	13	8.1	3.8	3.2	6.9	.69	2.1
27	3.5	3.9	4.1	3.3	5.7	12	8.2	3.7	2.0	11	.69	1.9
28	4.1	38	4.1	3.0	7.0	6.2	8.3	4.0	1.7	7.5	1.0	1.8
29	3.4	7.8	4.1	3.2	---	4.7	12	4.5	1.6	10	.70	1.4
30	3.4	5.4	3.4	3.2	---	9.3	10	4.7	1.5	7.2	.60	1.2
31	3.7	---	3.2	3.0	---	11	---	5.3	---	7.0	.40	---
TOTAL	107.9	164.4	135.9	100.3	168.6	198.8	300.4	182.9	117.2	230.9	86.79	70.34
MEAN	3.48	5.48	4.38	3.24	6.02	6.41	10.0	5.90	3.91	7.45	2.80	2.34
MAX	15	38	5.9	3.8	17	13	20	12	13	23	6.9	19
MIN	2.4	2.7	3.2	3.0	3.1	4.2	7.2	3.7	1.3	1.8	.40	.73

CAL YR 1980 TOTAL 3747.70 MEAN 10.2 MAX 124 MIN 1.9
WTR YR 1981 TOTAL 1864.43 MEAN 5.11 MAX 38 MIN .40

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 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
DEC 19...	0930	2.7	320	5.7	7.5	--	6.6	54	67	49	21
MAR 25...	1030	13	410	6.1	11.0	769	6.9	61	120	--	40
JUN 24...	0705	1.3	310	6.3	19.0	766	3.8	40	61	--	19

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS 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 19...	3.5	25	4.6	18	38	34	<.1	.6	138	5.3	5.40
MAR 25...	3.7	39	4.8	--	40	53	--	--	--	5.7	6.30
JUN 24...	3.4	26	4.4	22	33	36	<.1	5.8	141	2.6	2.40

DATE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, 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)	IRON, SUS-PENDED 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)
DEC 19...	.050	1.80	<.10	6.8	.030	.010	210	210	<10	1100	.10
MAR 25...	.030	1.70	--	--	--	<.010	--	--	--	--	.20
JUN 24...	.140	.680	.52	3.9	.020	.010	300	--	--	110	.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 24 ft (7 m) upstream from bridge on Hempstead-Babylon Turnpike and 400 ft (122 m) west of Meadowbrook Parkway, in Freeport. Water-quality sampling site at discharge station.

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

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 ft (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 at datum 0.47 ft (0.143 m) higher.

REMARKS.--Records good.

AVERAGE DISCHARGE.--44 years (1937-81), 14.8 ft³/s (0.419 m³/s).

EXTREMES FOR PERIOD OF RECORD (1903 AND SINCE 1937).--Maximum discharge, 848 ft³/s (24.0 m³/s) July 29, 1980, gage height, 3.57 ft (1.088 m) maximum gage height, 4.38 ft (1.335 m) Sept. 12, 1960 (datum then in use); no flow Aug. 26, 1971.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 250 ft³/s (7.08 m³/s) and maximum (*):

		Discharge		Gage height				Discharge		Gage height	
Date	Time	(ft³/s)	(m³/s)	(ft)	(m)	Date	Time	(ft³/s)	(m³/s)	(ft)	(m)
Nov. 28	1515	*320	9.06	*1.99	0.607	July 4	1545	278	7.87	1.83	0.558

Minimum, 0.61 ft³/s (0.017 m³/s) Aug. 31, gage height, 0.14 (0.043 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.0	3.0	7.4	3.0	1.7	7.4	4.0	5.5	2.7	6.4	1.7	60
2	3.0	2.7	6.4	2.7	13	5.1	5.0	8.4	11	4.0	1.7	2.2
3	5.1	2.4	7.4	2.2	5.1	4.7	4.0	5.1	4.3	48	1.5	1.3
4	12	5.5	5.5	2.2	3.0	4.0	3.6	4.3	3.3	93	1.5	1.5
5	4.0	5.1	5.5	1.9	2.7	4.3	7.4	4.3	2.7	21	1.3	1.5
6	3.3	3.0	4.7	1.9	2.4	5.9	25	4.0	3.0	7.4	1.3	1.5
7	3.0	2.7	4.3	2.4	2.4	5.5	6.4	3.3	2.7	5.1	1.2	1.5
8	3.0	2.7	4.0	1.9	14	5.5	5.9	3.0	2.4	4.3	1.7	1.8
9	3.0	4.3	4.0	1.9	5.9	4.7	5.9	3.0	2.4	3.6	1.7	2.0
10	2.7	5.1	5.5	1.9	3.0	4.3	5.5	3.0	2.2	3.0	1.7	1.5
11	3.6	2.7	4.0	1.9	9.6	5.5	4.7	3.3	2.2	2.4	1.7	1.5
12	3.3	2.2	3.6	1.9	5.9	5.9	5.9	3.0	1.9	2.4	1.9	1.5
13	2.4	2.2	3.6	1.9	3.3	4.3	4.3	3.0	1.9	2.2	1.5	1.5
14	2.4	2.2	3.3	1.9	2.7	4.0	31	2.7	2.4	2.2	1.3	1.5
15	2.5	2.2	3.3	1.9	2.7	3.6	11	11	2.4	1.9	1.3	40
16	2.4	2.2	3.6	1.9	2.7	4.0	6.3	31	2.2	1.8	1.7	70
17	2.2	2.2	3.6	1.9	2.4	3.6	5.9	5.1	1.9	1.7	1.2	10
18	10	16	3.3	1.7	2.4	3.0	5.9	3.6	1.9	1.7	1.0	7.0
19	7.9	3.6	3.0	1.9	2.4	3.3	5.9	3.3	2.2	1.5	1.0	6.0
20	3.3	2.7	2.7	1.9	42	3.0	5.5	3.0	12	4.0	1.0	3.0
21	2.7	2.4	2.7	1.9	9.6	3.0	5.5	3.0	4.7	10	.86	2.0
22	2.4	2.4	2.4	1.9	6.4	3.0	5.5	2.7	4.0	4.7	1.0	5.0
23	2.2	2.7	3.6	1.9	5.9	2.9	7.2	2.7	2.7	2.4	.86	10
24	2.2	22	5.1	1.9	37	2.8	29	2.7	2.2	1.9	.86	5.0
25	42	37	4.3	1.9	6.4	2.7	7.4	2.4	27	1.9	.86	2.0
26	7.9	5.9	3.3	1.9	24	2.6	5.9	2.4	16	1.7	.86	2.0
27	4.0	4.7	3.0	1.9	9.0	3.5	6.4	2.4	3.6	17	.86	2.0
28	4.3	99	3.0	1.9	7.9	3.0	6.9	2.4	2.4	2.7	.86	1.5
29	3.6	17	3.3	1.9	---	3.0	13	3.0	2.2	9.6	.86	1.5
30	3.3	9.6	3.3	1.7	---	4.5	6.4	2.7	1.9	2.4	.86	1.5
31	3.0	---	3.3	1.7	---	5.0	---	4.0	---	1.9	.73	---
TOTAL	159.7	277.4	126.0	61.3	235.5	127.6	252.3	143.3	134.4	273.8	38.37	249.3
MEAN	5.15	9.25	4.06	1.98	8.41	4.12	8.41	4.62	4.48	8.83	1.24	8.31
MAX	42	99	7.4	3.0	42	7.4	31	31	27	93	1.9	70
MIN	2.2	2.2	2.4	1.7	1.7	2.6	3.6	2.4	1.9	1.5	.73	1.3

CAL YR 1980 TOTAL 4847.90 MEAN 13.2 MAX 225 MIN 2.2
WTR YR 1981 TOTAL 2078.97 MEAN 5.70 MAX 99 MIN .73

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 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
DEC 19...	1015	2.7	500	6.1	7.0	--	7.1	58	62	37	18
MAR 25...	0940	2.7	530	6.1	8.0	770	6.2	52	66	--	19
JUN 24...	0735	2.4	390	6.3	19.5	766	4.7	50	59	--	17

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS 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 19...	4.1	66	3.2	25	36	98	<.1	8.5	249	3.0	3.00
MAR 25...	4.4	69	3.3	--	37	110	--	--	--	2.7	2.90
JUN 24...	4.1	52	3.3	25	25	74	<.1	<.1	--	--	--

DATE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, 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)	IRON, SUS-PENDED 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)
DEC 19...	.030	.550	.13	3.7	.010	.010	440	280	160	560	.10
MAR 25...	.020	.460	--	--	--	<.010	--	--	--	--	.10
JUN 24...	--	--	--	--	--	--	610	--	--	360	.10

01311000 PINES BROOK AT MALVERNE, NY

LOCATION.--Lat 40°39'59", long 73°39'35", Nassau County, Hydrologic Unit 02030202, 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 mi² (26 km²).

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 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.--44 years (1937-81), 3.86 ft³/s (0.109 m³/s).

EXTREMES FOR PERIOD OF RECORD (SINCE 1936).--Maximum discharge, 386 ft³/s (10.9 m³/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, 1980-81.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 125 ft³/s (3.54 m³/s) and maximum (*):

		Discharge		Gage height				Discharge		Gage height	
Date	Time	(ft³/s)	(m³/s)	(ft)	(m)	Date	Time	(ft³/s)	(m³/s)	(ft)	(m)
Nov. 28	1400	131	3.71	3.85	1.17	July 4	1430	*285	8.07	*4.26	1.30
June 25	2130	150	4.25	3.94	1.20						

No flow for all or part of many days during the year.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.09	.24	.35	.08	.26	.22	.16	.13	3.8	.00	2.6
2	.00	.10	.26	.37	6.1	.22	.29	.25	1.8	.71	.00	.02
3	.20	.10	.28	.35	.24	.19	.20	.15	.08	9.9	.00	.00
4	.63	.24	.32	.35	.15	.18	.19	.15	.09	61	.00	.00
5	.02	.09	.32	.34	.13	.22	2.9	.15	.08	2.7	.00	.00
6	.02	.09	.36	.32	.13	.26	4.2	.15	.07	.20	.00	.00
7	.02	.09	.39	.35	.11	.23	.24	.14	.08	.13	.00	.00
8	.02	.09	.38	.31	3.9	.23	.23	.13	.04	.08	.01	.81
9	.00	.25	.43	.31	.13	.19	.26	.13	.11	.04	.02	.83
10	.00	.10	.31	.31	.11	.21	.24	.13	.04	.00	.00	.00
11	.04	.17	.30	.31	6.3	.31	.25	.17	.03	.00	.00	.00
12	.03	.19	.31	.31	.15	.20	.41	.22	.00	.00	.02	.00
13	.03	.21	.32	.31	.09	.19	.22	.13	.00	.00	.00	.00
14	.03	.23	.33	.31	.11	.19	12	.13	.01	.00	.00	.00
15	.03	.25	.34	.31	.10	.20	.83	6.1	.01	.00	.00	.09
16	.04	.27	.39	.31	.10	.20	.27	6.5	.00	.00	.02	6.7
17	.04	.29	.37	.31	.09	.20	.24	1.0	.00	.00	.00	.02
18	2.6	3.6	.36	.31	.09	.21	.22	1.1	.00	.00	.00	.00
19	.14	.09	.36	.31	.10	.23	.19	1.3	.05	.00	.00	.00
20	.06	.09	.37	.39	11	.22	.19	1.3	4.5	.09	.00	.00
21	.06	.09	.35	.39	.25	.21	.19	1.3	.34	.15	.00	.00
22	.06	.09	.35	.39	.18	.19	.17	1.3	.62	.00	.00	.00
23	.07	.09	.44	.39	.41	.21	2.5	1.3	.01	.00	.00	.04
24	.07	12	.55	.39	8.7	.21	2.4	.95	.00	.00	.00	.00
25	17	3.9	.36	.39	.21	.21	.21	.96	13	.00	.00	.00
26	.16	.18	.35	.39	6.4	.19	.19	.75	.72	.00	.00	.00
27	.11	.16	.35	.39	.30	.20	.18	.40	.02	9.1	.00	.00
28	.11	27	.38	.39	.98	.19	.18	.31	.00	.02	.00	.00
29	.09	.35	.41	.18	---	.20	.27	.31	.00	1.4	.00	.00
30	.09	.24	.38	.07	---	.29	.16	.15	.00	.00	.00	.00
31	.09	---	.35	.08	---	.19	---	.22	---	.00	.00	---
TOTAL	21.86	50.73	11.01	9.99	46.64	6.63	30.24	27.44	21.83	89.32	.07	11.11
MEAN	.71	1.69	.36	.32	1.67	.21	1.01	.89	.73	2.88	.002	.37
MAX	17	27	.55	.39	11	.31	12	6.5	13	61	.02	6.7
MIN	.00	.09	.24	.07	.08	.18	.16	.13	.00	.00	.00	.00

CAL YR 1980 TOTAL 721.09 MEAN 1.97 MAX 50 MIN .00
WTR YR 1981 TOTAL 326.87 MEAN .90 MAX 61 MIN .00

01311000 PINES BROOK AT MALVERNE, NY--Continued

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)
DEC 19...	1100	.35	325	6.0	6.0	--	7.1	56	77	48	22
MAR 25...	0900	.21	330	5.9	8.0	777	5.3	44	140	--	44

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS 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 19...	5.3	24	4.1	29	46	30	<.1	9.4	158	2.9	2.90
MAR 25...	7.0	23	4.0	--	46	30	--	--	--	2.9	3.10

DATE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, 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)	IRON, SUS-PENDED 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)
DEC 19...	.040	.170	.18	3.3	.010	.010	220	150	70	930	.10
MAR 25...	.040	.120	--	--	--	.010	--	--	--	--	.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 in 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.--27 years (1954-81), 2.49 ft^3/s (0.071 m^3/s).

EXTREMES FOR PERIOD OF RECORD (SINCE 1954).--Maximum discharge, 290 ft^3/s (8.21 m^3/s) Jan. 21, 1979, gage height, 5.62 ft (1.713 m), from rating curve extended above 110 ft^3/s (3.12 m^3/s); no flow at times each year since 1963.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 99 ft^3/s (2.80 m^3/s) Nov. 28, gage height, 2.38 ft (0.725 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 1980 TO SEPTEMBER 1981
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
2	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
3	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
4	.00	.00	.00	.00	.00	.00	.00	.00	.00	15	.00	.00
5	.00	.00	.00	.00	.00	.00	.00	.00	.00	2.2	.00	.00
6	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
7	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
8	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
9	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
10	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
12	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
13	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.23
15	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.11
17	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
18	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
19	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
20	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00	.00	.00
21	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
22	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
23	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
24	.00	.29	.00	.00	1.4	.00	.00	.00	.00	.00	.00	.00
25	.80	1.2	.00	.00	.00	.00	.00	.00	1.1	.00	.00	.00
26	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
27	.00	.00	.00	.00	.00	.00	.00	.00	.00	.83	.00	.00
28	.00	16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
29	.00	1.2	.00	.00	---	.00	.00	.00	.00	.00	.00	.00
30	.00	.00	.00	.00	---	.00	.00	.00	.00	.00	.00	.00
31	.00	---	.00	.00	---	.00	---	.00	---	.00	.00	---
TOTAL	.80	18.69	.00	.00	1.40	.00	.00	.00	1.12	18.03	.00	.34
MEAN	.026	.62	.000	.000	.050	.000	.000	.000	.037	.58	.000	.011
MAX	.80	16	.00	.00	1.4	.00	.00	.00	1.1	15	.00	.23
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

CAL YR 1980 TOTAL 280.87 MEAN .77 MAX 48 MIN .00
WTR YR 1981 TOTAL 40.38 MEAN .11 MAX 16 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 1981

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 mi (0.40 km) northwest of State Highway 25A.	--	1953-81	11-12-80 3- 9-81 6-29-81 9-30-81	.24 1.2 .61 .66
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.	--	1953-81	11-12-80 3- 9-81 6-29-81 9-30-81	.23 .12 .40 .13
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 mi (0.5 km) southwest of Lattingtown, and 1.5 mi (2.4 km) northwest of Locust Valley.	--	1953-81	11-12-80 3- 9-81 6-29-81 9-30-81	.48 .54 .39 .29
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 mi (2 km) northeast of Huntington.	--	1953-81	11-17-80 2- 9-81 5-22-81 9-30-81	1.5 2.2 2.1 3.1
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 mi (0.40 km) east of Centerport, and 1.5 mi (2.4 km) southwest of Northport.	--	1953-81	11-12-80 2- 9-81 5-27-81 9-30-81	1.3 1.4 1.4 1.2
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.	--	1977-81	2- 9-81 6- 5-81 9-30-81	1.6 .86 .48
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 mi (2.4 km) northwest of East Hauppauge, and 4.0 mi (6.4 km) upstream from gaging station near Smithtown.	--	1972-81	1-30-81 7- 9-81 9-28-81	.27 .02 .16
01303800	Northeast Branch Nissequogue River at Smithtown, N.Y.	Lat 40°51'05", long 73°11'15", Suffolk County, 300 ft (91 m) upstream from culvert on State Highway 111, 0.75 mi (1.21 km) southeast of Smithtown, and 3.0 mi (4.8 km) upstream from gaging station near Smithtown.	--	1948-49 1951-76 1979-81	1-30-81 7- 9-81 9-28-81	1.1 1.2 .52
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 mi (1.21 km) south of Smithtown, and 2.5 mi (4.0 km) upstream from gaging station near Smithtown.	--	1972-81	1-30-81 7- 9-81 9-28-81	1.4 1.5 2.8

Discharge measurements made at low-flow partial-record stations during water year 1981--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Measurements Date	Measurements Discharge (ft^3/s)
		Streams on Long Island				
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 mi (1.21 km) southwest of Smithtown, and 2.0 mi (3.2 km) upstream from gaging station near Smithtown.	--	1953-81	1-30-81 7- 9-81 9-28-81	2.5 3.0 3.8
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 mi (3 km) northwest of Hauppauge, and 0.5 mi (0.8 km) upstream from gaging station near Smithtown.	--	1972-81	7- 9-81 9-28-81	28 8.7
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 mi (2.4 km) downstream from gaging station near Smithtown.	--	1974-81	1-30-81 7- 9-81	41 41
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.	--	1977-81	2- 9-81 6-10-81	3.3 2.4
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.	--	1977-81	2- 9-81 6-10-81	1.5 1.3
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.	--	1977-81	2- 9-81 6-10-81	.21 .22
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.	--	1977-81	2- 9-81 6-10-81	.46 .33
01304100	Wading River at Wading River, N.Y.	Lat 40°57'20", long 72°51'19", Suffolk County, at pond outlet, 0.25 mi (0.40 km) west of Wading River.	--	1953-62 1964-81	2- 3-81 7-13-81 9-30-81	.34 .33 .29
01304150	Fresh Pond Outlet, at Baiting Hollow, N.Y.	Lat 40°57'43", long 72°46'17", Suffolk County, 25 ft (8 m) downstream from dirt road at outlet of Fresh Pond, 0.7 mi (1.1 km) northwest of Baiting Hollow.	--	1977-81	2-10-81 7-13-81	.37 .18
01304400	Peconic River at Manorville, N.Y.	Lat 40°52'38", long 72°49'42", Suffolk County, at bridge on Schultz Road, 1 mi (2 km) northwest of Manorville, and 8.5 mi (13.7 km) upstream from gaging station at Riverhead.	--	1953-62 1951-81	2-10-81 6-29-81	.22 .72
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 mi (2.3 km) downstream from gaging station at Riverhead.	--	1976-81	2-10-81 6-29-81	26 18
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 mi (2.4 km) southwest of Riverhead.	--	1952-81	2- 4-81 3-11-81 6-10-81 9-30-81	3.7 3.7 2.5 4.5
01304560	White Brook at Riverhead, N.Y.	Lat 40°54'40", long 72°38'37", Suffolk County, at culvert on State Highway 24, 1 mi (2 km) southeast of Riverhead.	--	1953-69 1973-81	2-11-81 3-11-81 6-10-81 9-30-81	1.9 2.9 1.6 1.8
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 mi (5.6 km) northwest of Southampton.	--	1951-69 1971-81	2-11-81 3-11-81 6-10-81	.52 1.4 .39

Discharge measurements made at low-flow partial-record stations during water year 1981--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 mi (0.40 km) west of Noyack.	--	1958-81	2- 4-81 3-11-81 6-10-81	.30 .40 .44
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 mi (1.21 km) southwest of Sag Harbor.	--	1953-69 1973-81	2- 4-81 3-11-81 6-10-81	0 .05 .01
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 mi (2 km) southeast of Bridgehampton.	--	1953-78 1980-81	3-11-81	2.1
01304745	Weesuck Creek at East Quogue, N.Y.	Lat 40°50'52", long 72°34'42", Suffolk County, at culvert on State Highway 27A, 0.5 mi (0.8 km) northeast of East Quogue.	--	1974-81	3-12-81 6-10-81	1.5 1.2
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 mi (2 km) northwest of Quogue.	--	1953-69 1974-81	2-11-81 3-12-81 6-11-81	1.6 1.4 1.1
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.	--	1959-81	3-12-81	.98
01304800	Beaverdam Creek at Westhampton Beach, 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 mi (2 km) northwest of Westhampton.	--	1953-81	3-12-81 6-11-81	.99 .93
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 mi (1.21 km) east of Speonk.	--	1974-81	3-12-81 6-11-81	.74 .71
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 mi (0.8 km) east of Eastport.	--	1953-69 1973-81	3-12-81 6-11-81	1.2 .86
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.	--	1953-81	3-12-81 6-11-81	3.9 3.1
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 mi (1.21 km) southwest of Eastport.	--	1955-69 1974-81	3-12-81 6-11-81	3.0 5.9
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 1952-81	3-12-81 6-12-81	5.8 6.2
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 mi (1.21 km) south of Middle Island, and 3.0 mi (4.8 km) upstream from gaging station at Yaphank.	--	1947-81	1-29-81 5-28-81	.49 .42
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 mi (1.9 km) northwest of Yaphank, and 1.9 mi (3.1 km) upstream from gaging station at Yaphank.	--	1973-81	1-29-81 5-28-81	7.7 7.1

Discharge measurements made at low-flow partial-record stations during water year 1981--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Measurements Date	Measurements Discharge (ft^3/s)
		Streams on Long Island				
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 mi (1.1 km) upstream from gaging station at Yaphank.	--	1973-81	1-29-81 5-28-81	12 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 mi (4.2 km) downstream from gaging station at Yaphank.	--	1973-81	1-29-81 5-28-81	36 42
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 mi (3 km) east of Patchogue.	--	1947-69 1971-81	11-19-81 3-12-81 6- 1-81 8-17-81	3.0 3.2 3.2 2.2
01305800	Patchogue River near Patchogue, N.Y.	Lat 40°46'55", long 73°01'19", Suffolk County, at bridge on discontinued road, 300 ft (91 m) west of North Ocean Ave., and 1 mi (2 km) north of State Highway 27A and gaging station at Patchogue.	--	1945-50 1952-81	10- 8-80 3-10-81 6-11-81 8-17-81	10 8.4 8.4 8.5
01306000c/	Patchogue River at Patchogue, N.Y.	Lat 40°45'56", long 73°01'16", Suffolk County, at State Highway 27A, at Patchogue.	--	1946-69‡ 1970-73 1974-76‡ 1977-81	10- 8-80 11- 5-80 12- 1-80 1- 8-81 2- 5-81 3-10-81 4-10-81 5-11-81 6- 9-81 9-11-81	22 13 12 17 8.1 18 19 10 16 10
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.	--	1953-81	11-17-80 3-13-81 6-11-81 8-28-81	2.7 3.4 3.6 3.0
01306405	Lake Ronkonkoma Inlet at Lake Ronkonkoma, N.Y.	Lat 40°49'57", long 73°07'34", Suffolk County, 300 ft (91 m) southeast of Smithtown Blvd., 0.2 mi (0.3 km) west of Lake Ronkonkoma.	--	1948-49 1953-54 1977-79 1981	11-17-80 3-10-81 6- 1-81 8-17-81	.70 .89 .80 .34
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 mi (1.8 km) upstream from gaging station 10306499.	--	1968 1973-81	11- 7-80	25
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 mi (2.4 km) northwest of Oakdale.	--	1944-69 1971-81	11- 3-80 3-13-81 6-11-81 8-28-81	15 17 11 10
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‡ 1970-81	11- 5-80 12- 3-80 1- 8-81 2- 5-81 3-10-81 4-10-81 5-11-81 6- 9-81 9-11-81	3.8 3.8 3.3 2.6 3.8 4.8 5.5 4.0 4.1

‡ 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 1981--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Measurements Date	Measurements Discharge (ft^3/s)
		Streams on Long Island				
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 mi (0.72 km) downstream from gaging station at Islip.	--	1963 1967 1973 1975-81	11-17-80 3-10-81 6- 9-81 8-27-81	3.6 4.3 5.2 1.5
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 1974-81	11- 3-80 6-11-81 8-28-81	4.1 2.8 2.5
01307400	Awixa Creek at Islip, N.Y.	Lat 40°43'39", long 73°13'51", Suffolk County, at culvert on State Highway 27A, 0.75 mi (1.21 km) west of Islip.	--	1948-81	11-24-80 3-13-81 8-27-81	.50 1.3 .98
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‡ 1977-81	10- 6-80 11- 5-80 12- 3-80 1- 8-81 2- 5-81 3-10-81 4-10-81 5-11-81 6- 9-81 9-11-81	4.3 3.2 5.2 3.4 2.5 5.1 5.4 6.2 5.1 6.7
01307600	Cascade Lakes Outlet at Brightwaters, N.Y.	Lat 40°42'40", long 73°15'38", Suffolk County, at culvert on Montauk Highway, at Brightwaters.	--	1958-81	11- 3-80 3-13-81 6-11-81 8-27-81	.84 2.6 1.0 .15
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 mi (4.0 km) upstream from gaging station at Babylon.	--	1965-66 1973-81	5-28-81 8-28-81	1.1 .36
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 mi (2.6 km) upstream from gaging station at Babylon.	--	1967 1971-81	5-28-81 8-28-81	1.2 .90
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 mi (0.8 km) downstream from gaging station at Babylon.	--	1953-67 1969-81	11- 4-80 5-28-81 8-28-81	4.5 5.8 4.2
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 mi (0.8 km) downstream from gaging station at Babylon.	--	1968-81	11- 4-80 6-11-81 8-27-81	22 16 20
01309000c/	Santapogue Creek at Lindenhurst, N.Y.	Lat 40°41'30", long 73°21'20", Suffolk County, at culvert on East Hoffman Avenue, 1 mi (2 km) east of Long Island Railroad station at Lindenhurst.	--	1947-69‡ 1970-81	10- 6-80 11- 3-80 12- 1-80 1- 8-81 2- 5-81 3-10-81 4-10-81 5-11-81 8-27-81 9-11-81	.28 .40 2.3 1.5 1.1 3.0 2.4 2.3 .26 1.1
01309100	Santapogue Creek at State Highway 27A, Lindenhurst, N.Y.	Lat 40°41'02", long 73°21'06", Suffolk County, at culvert on State Highway 27A, 0.5 mi (0.8 km) downstream from gaging station at Lindenhurst.	--	1953-69 1971-81	11- 3-80 3-10-81 8-27-81	4.8 9.0 6.0

‡ 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 1981--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Measurements Date	Measurements Discharge (ft^3/s)
		Streams on Long Island				
01309200	Neguntatogue Creek at Lindenhurst, N.Y.	Lat 40°40'47", long 73°21'40", Suffolk County, 20 ft (6 m) upstream from State Highway 27A, in Lindenhurst.	--	1948-50 1952-81	11- 3-80 3-13-81 8-27-81	2.4 4.0 2.3
01309250	Strongs Creek at Lindenhurst, N.Y.	Lat 40°40'22", long 73°22'40", Suffolk County, 30 ft (9 m) upstream from State Highway 27A, at Lindenhurst.	--	1953-69 1971-81	11- 3-80 3-13-81 8-27-81	1.1 1.8 1.6
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.	--	1953-81	11- 3-80 3-13-81 8-27-81 9-24-81	1.5 2.6 .99 2.2
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 mi (1.21 km) west of Amityville.	--	1949 1953-69 1971-81	12- 3-80 3-13-81 7- 7-81 9-24-81	4.4 5.6 4.8 3.1
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 mi (0.3 km) south of South Farmingdale, and 1.9 mi (3.1 km) upstream from gaging station at Massapequa.	--	1962-65 1973-78 1980-81	12- 3-80 5-28-81 9-25-81	.19 0 0
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 mi (1.3 km) south of South Farmingdale, and 1.2 mi (1.9 km) upstream from gaging station at Massapequa.	--	1962-65 1973-81	12- 3-80 5-28-81 9-25-81	3.3 .64 .46
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 mi (0.88 km) upstream from gaging station at Massapequa.	--	1962 1964 1973-81	12- 3-80 5-28-81 9-25-81	5.0 1.6 1.7
01309700	Seaford Creek at Seaford, N.Y.	Lat 40°40'00", long 73°28'57", Nassau County, at bridge on State Highway 27A, in Seaford.	--	1953-81	12- 3-80	1.3
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 mi (0.3 km) west of Seaford.	--	1953-67 1971-81	9-24-81	2.7
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 mi (0.5 km) north of North Wantagh, and 1.2 mi (1.9 km) upstream from gaging station 01309990.	--	1973-81	12- 2-80 7- 7-81 9-11-81	.11 0 0
01309980	Bellmore Creek tributary at North Wantagh, N.Y.	Lat 40°41'20", long 73°30'37", Nassau County, at culvert on Beltagh Avenue, at North Wantagh, and 0.6 mi (1.0 km) upstream from gaging station 01309990.	--	1973-81	12- 2-80 7- 7-81 9- 9-81	.83 0 0
01310100	Newbridge Creek at Merrick, N.Y.	Lat 40°39'42", long 73°32'02", Nassau County, downstream from bridge on Merrick Road in Merrick.	--	1963-81	12- 2-80 5-28-81 7-10-81 9-22-81	.15 0 0 0

Discharge measurements made at low-flow partial-record stations during water year 1981--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Measurements Date	Measurements Discharge (ft^3/s)
		Streams on Long Island				
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 mi (4.0 km) east of Freeport.	--	1953-62 1965-81	12- 2-80 7-10-81 9-22-81	7.2 3.6 3.2
01310470	East Meadow Brook near Westbury, NY.	Lat 40°44'01", long 73°35'06", Nassau County, 50 ft (15 m) downstream from culvert on Meadowbrook State Parkway, 1.0 mi (1.6 km) south of Westbury, and 4.8 mi (7.7 km) upstream from gage at Freeport.	--	1973-81	12- 4-80 4- 9-81 5-28-81	.41 .18 .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 mi (1.4 km) northeast of Uniondale, and 3.9 mi (6.3 km) upstream from gage at Freeport.	--	1973-81	12- 4-80 5-28-81 9-28-81	2.5 .51 1.9
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 mi (2.3 km) southwest of East Meadow, and 2.3 mi (3.7 km) upstream from gage at Freeport.	--	1973-81	12- 4-80 5-28-81 9-28-81	3.8 0 0
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 mi (0.8 km) east of Baldwin.	--	1953-81	12- 2-80 3-16-81 7-10-81 9-22-81	5.9 6.0 4.4 4.2
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 1971-81	12- 3-80 3-16-81	1.5 1.7
01310800	South Pond Outlet at Rockville Centre, N.Y.	Lat 40°40'00", long 73°39'08", Nassau County, at bridge on Lakeview Ave., 0.75 mi (1.21 km) north of Rockville Centre.	--	1953-81	11- 3-80 3-17-81 8-12-81	0 0 0
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.	--	1954-81	11- 3-80 6- 9-81 8-12-81 9- 9-81	0 0 0 0
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.	--	1953-81	11- 3-80 3-16-81 8-12-81 9- 9-81	0 0 0 0

LONG ISLAND

AT BAY PARK, NY

LOCATION.--Lat 40°38'02", long 73°39'55", Nassau County, at Bay Park Sewage Treatment Plant, Bay Park.

PERIOD OF RECORD.--October 1978 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 7 ft (2 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 1980 TO SEPTEMBER 1981

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)	SULFATE (SO4) (MG/L)	CHLO-RIDE (CL) (MG/L)
80/10/01 TO 80/11/03	3.07	----	----	----	----	6.90	3.10
80/11/03 TO 80/12/01	4.07	----	----	----	----	2.40	1.30
80/12/01 TO 81/01/05	1.05	----	----	----	----	6.60	4.00
81/01/05 TO 81/02/03	1.08	----	----	----	----	13.00	21.00
81/02/03 TO 81/03/02	4.25	.96	1.60	1.40	.07	2.90	2.70
81/03/02 TO 81/03/31	1.05	2.30	----	1.20	----	6.80	2.10
81/03/31 TO 81/05/01	2.87	1.70	.47	1.30	.10	4.80	2.40
81/05/01 TO 81/06/01	1.87	1.90	.49	.73	.16	5.20	1.40
81/06/01 TO 81/06/29	3.43	.48	1.20	.69	.14	6.90	1.30
81/06/29 TO 81/08/07	5.98	.63	.31	.95	.12	4.80	1.40
81/08/03 TO 81/09/01	1.11	.66	.11	1.60	.17	----	1.70
81/09/01 TO 81/10/01	2.79	----	.11	----	----	9.60	2.60

PERIOD OF COLLECTION	NIT-RITE+ NIT-RATE AS N (MG/L)	AMMONIA AS N (MG/L)	AMMONIA +ORGANIC NITROGEN AS N (MG/L)	PHOS-PHORUS (P) (MG/L)	SPE-CIFIC CON-DUCTANCE (MICRO-(MHOS)	PH (UNITS)	LEAD (PB) (UG/L)
80/10/01 TO 80/11/03	1.00	1.20	1.50	.071	47	4.90	---
80/11/03 TO 80/12/01	.54	.42	.68	.032	21	5.31	---
80/12/01 TO 81/01/05	1.50	1.70	1.80	.111	52	4.60	---
81/01/05 TO 81/02/03	2.10	3.10	2.50	.070	127	5.24	---
81/02/03 TO 81/03/02	.41	.48	.65	.005	24	5.62	09
81/03/02 TO 81/03/31	1.60	1.90	---	.012	48	4.93	---
81/03/31 TO 81/05/01	.76	.72	1.00	.032	32	5.08	26
81/05/01 TO 81/06/01	.59	.82	1.20	.023	26	6.03	---
81/06/01 TO 81/06/29	.75	.74	1.50	.067	52	4.13	---
81/06/29 TO 81/08/07	.64	.56	.73	.026	47	4.18	33
81/08/03 TO 81/09/01	2.30	1.10	1.70	.057	80	4.02	---
81/09/01 TO 81/10/01	1.30	1.50	1.70	.025	72	4.30	---

* 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 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 1980 TO SEPTEMBER 1981

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)	SULFATE (SO4) (MG/L)	CHLO-RIDE (CL) (MG/L)
80/10/01 TO 80/11/03	2.92	1.30	.35	1.60	.15	3.90	2.50
80/11/03 TO 80/12/01	4.84	.56	.26	.50	.11	1.60	.95
80/12/01 TO 81/01/06	1.08	----	----	----	----	12.00	9.30
81/01/06 TO 81/02/03	1.21	----	----	----	----	7.40	19.00
81/02/03 TO 81/03/02	5.08	.99	1.30	1.20	.07	1.90	2.30
81/03/02 TO 81/03/31	1.14	----	----	----	----	9.20	4.40
81/03/31 TO 81/05/01	3.90	1.80	.76	.81	.10	4.10	2.10
81/05/01 TO 81/06/01	2.05	2.00	.89	1.30	.24	4.80	2.80
81/06/01 TO 81/06/29	4.19	1.80	.34	.37	.15	4.80	.73
81/06/29 TO 81/07/09	4.50	.21	.13	.50	.09	.30	.72
81/07/09 TO 81/08/03	1.81	1.90	.99	.90	.12	7.80	1.30
81/08/03 TO 81/09/01	2.69	.67	.19	.70	.07	4.20	.64
81/09/01 TO 81/10/01	3.26	.87	.36	.39	.06	4.90	.98

PERIOD OF COLLECTION	NIT-RITE+ NIT-RATE AS N (MG/L)	AMMONIA AS N (MG/L)	AMMONIA +ORGANIC NITROGEN AS N (MG/L)	PHOS-PHORUS (P) (MG/L)	SPE-CIFIC CON-DUCTANCE (MICRO-(MHOS)	PH (UNITS)	LEAD (PB) (UG/L)
80/10/01 TO 80/11/03	.60	.41	.50	.081	29	5.77	30
80/11/03 TO 80/12/01	.32	.22	.30	.002	14	5.68	11
80/12/01 TO 81/01/06	2.90	2.10	2.30	.043	86	5.30	---
81/01/06 TO 81/02/03	1.30	1.00	.95	.041	79	5.87	---
81/02/03 TO 81/03/02	.32	.10	.21	.002	19	5.94	11
81/03/02 TO 81/03/31	2.30	1.60	----	.073	62	6.06	---
81/03/31 TO 81/05/01	.79	.53	.85	.001	28	5.68	20
81/05/01 TO 81/06/01	1.10	.56	.83	.003	33	5.26	---
81/06/01 TO 81/06/29	.87	.40	.82	.007	33	4.62	72
81/06/29 TO 81/07/09	.10	.06	.18	.026	08	5.38	26
81/07/09 TO 81/08/03	1.00	.50	.76	.015	45	4.65	---
81/08/03 TO 81/09/01	1.30	.30	.61	.002	30	5.75	---
81/09/01 TO 81/10/01	.71	.42	.72	.001	41	4.50	54

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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 in (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 1980 TO SEPTEMBER 1981

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)	SULFATE (SO4) (MG/L)	CHLO-RIDE (CL) (MG/L)
80/10/02 TO 80/11/04	3.59	.22	.11	1.70	.11	2.90	2.40
80/11/04 TO 80/12/03	4.20	.27	.14	.78	.09	1.30	1.20
80/12/03 TO 81/01/06	1.29	.38	.26	1.20	.12	2.60	2.40
81/01/06 TO 81/02/04	1.69	----	----	----	----	2.90	5.80
81/02/04 TO 81/03/03	4.39	.21	.15	.74	.03	1.10	1.30
81/03/03 TO 81/03/30	1.18	----	----	----	----	3.50	1.40
81/03/30 TO 81/05/04	5.37	.27	.04	.81	.07	2.00	1.10
81/05/04 TO 81/06/03	2.15	.63	.40	1.50	.20	3.00	2.50
81/06/03 TO 81/06/26	3.00	.29	.02	.51	.10	3.70	.48
81/06/26 TO 81/08/04	2.69	.61	.29	1.20	.19	5.50	1.70
81/08/04 TO 81/09/02	2.33	.37	.11	1.10	.07	2.00	1.30
81/09/02 TO 81/10/02	4.40	.31	.11	.46	.20	3.60	.74

PERIOD OF COLLECTION	NITRITE+ NITRATE AS N (MG/L)	AMMONIA AS N (MG/L)	AMMONIA +ORGANIC NITROGEN AS N (MG/L)	PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	LEAD (PB) (UG/L)
80/10/02 TO 80/11/04	.51	.21	----	.041	36	4.23	200
80/11/04 TO 80/12/03	.82	.17	.13	.156	18	4.78	39
80/12/03 TO 81/01/06	.99	.11	.26	.016	41	4.26	---
81/01/06 TO 81/02/04	.60	.13	.10	.002	49	4.50	---
81/02/04 TO 81/03/03	.18	.07	.10	.002	17	4.80	21
81/03/03 TO 81/03/30	1.70	.35	----	.006	54	4.08	---
81/03/30 TO 81/05/04	.42	.16	.44	.001	27	4.39	26
81/05/04 TO 81/06/03	.52	.23	.59	.016	32	4.41	---
81/06/03 TO 81/06/26	.58	.10	.41	.006	42	4.06	28
81/06/26 TO 81/08/04	.69	.17	.40	.027	52	4.00	57
81/08/04 TO 81/09/02	.79	.01	.27	.014	34	4.27	---
81/09/02 TO 81/10/02	.59	.23	.69	.049	55	4.14	36

404147073571401. Local number, K 30-2.
LOCATION. --Lat 40°41'47", long 73°57'14", 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, 7.38 ft (2.25 m) NGVD, Sept. 23, 1980; lowest measured, -29.75 ft (-9.07 m) NGVD, Nov. 8, 1941.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 30	5.40	MAR 20	4.84	JUN 24	4.47	SEP 23	5.10				

403852073582301. Local number, K 508.
LOCATION. --Lat 40°38'52", long 73°58'23", Hydrologic Unit 02030201, at 807 Caton Avenue, Kensington, Brooklyn. Owner: Atlantic Service Corporation.
AQUIFER. --Upper Glacial.
WELL CHARACTERISTICS. --Drilled unused water-table well, 24 in (0.61 m), depth 116 ft (35 m), screened 72.5 to 116 ft (22 to 35 m).
DATUM. --Land-surface datum is 50.5 ft (15 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of steel plate, 0.04 ft (0.01 m) above land-surface datum.
PERIOD OF RECORD. --August 1944 to current year. Unpublished records for August 1944 to September 1978 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD. --Highest water level measured 13.55 ft (4.13 m) NGVD, Dec. 16, 1975; lowest measured, -26.32 ft (-8.02 m) NGVD, Aug. 21, 1944.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 30	10.94	MAR 20	8.78	JUN 25	9.43	SEP 23	8.74				

403639073590301. Local number, K 631.
LOCATION. --Lat 40°36'39", long 73°59'03", Hydrologic Unit 02030202, at 6817 Bay Parkway, New Utrecht, Brooklyn. Owner: Marboro Theater.
AQUIFER. --Upper Glacial.
WELL CHARACTERISTICS. --Drilled unused water-table well, 10 in (0.25 m), depth 97 ft (30 m), screened 72 to 97 ft (22 to 30 m).
DATUM. --Land-surface datum is 31 ft (9.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole drilled in cap 0.08 ft (0.02 m) above land-surface datum.
PERIOD OF RECORD. --December 1949 to current year. Unpublished records for December 1949 to September 1978 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD. --Highest water level measured 5.60 ft (1.71 m) NGVD, Dec. 22, 1978; lowest measured, 3.01 ft (0.92 m) NGVD, Dec. 13, 1949.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 24	4.98	SEP 23	5.20								

403939073542901. Local number, K 1265.
LOCATION. --Lat 40°39'39", long 73°54'29", Hydrologic Unit 02030202, at Thatford and Riverdale Avenues, East New York, Brooklyn. Owner: City of New York.
AQUIFER. --Upper Glacial.
WELL CHARACTERISTICS. --Driven water-table well, 1.5 in (0.04 m), depth 43.2 ft (13 m), screen assumed at bottom.
DATUM. --Land-surface datum is 23 ft (7.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.10 ft (0.03 m) above land-surface datum.
PERIOD OF RECORD. --April 1933 to current year. Unpublished records for 1933-35, 1941-78 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD. --Highest water level measured, 16.99 ft (5.18 m) NGVD, Sept. 23, 1980; lowest measured, -11.55 ft (-3.52 m) NGVD, Aug. 22, 1942.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 22	12.07	MAR 19	9.85	JUN 25	8.50	SEP 23	9.19				

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 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 22	2.66	JAN 22	3.76	MAR 25	2.40	JUN 23	1.08	SEP 15	0.17		

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, 7.21 ft (2.20 m) NGVD, Sept. 15, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

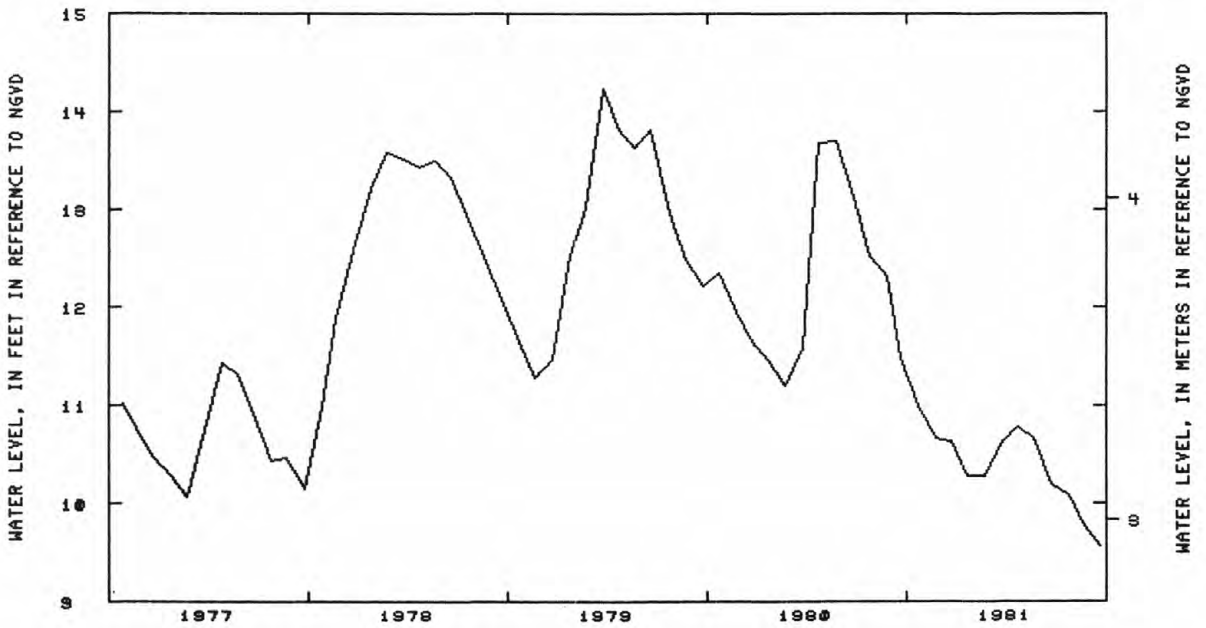
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 22	13.61	MAR 25	10.44	JUN 23	8.41	SEP 15	7.21				

NASSAU COUNTY--Continued

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. --August 1934 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 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	11.00	DEC 22	10.64	FEB 23	10.29	APR 22	10.79	JUN 22	10.20	AUG 24	9.76
NOV 24	10.67	JAN 22	10.28	MAR 23	10.63	MAY 22	10.66	JUL 23	10.09	SEP 22	9.57

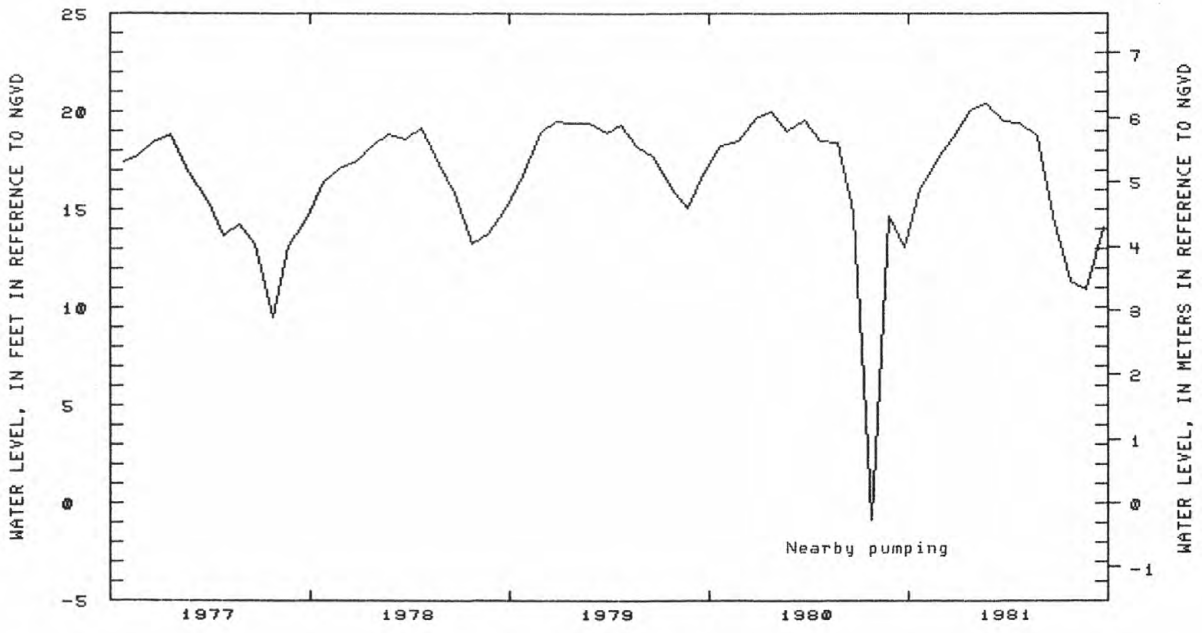


NASSAU COUNTY--Continued

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.--January 1946 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 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	16.11	DEC 23	18.65	FEB 24	20.42	APR 23	19.42	JUN 22	14.70	AUG 24	10.91
NOV 25	17.60	JAN 24	20.09	MAR 24	19.52	MAY 25	18.73	JUL 23	11.36	SEP 23	14.05



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 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 22	14.84	MAR 25	15.87	JUN 17	13.06	SEP 14	13.19				

NASSAU COUNTY--Continued

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 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 26	31.82	JUN 23	32.54	SEP 1	32.31 G	SEP 17	31.63				

G MEASUREMENT BY ANOTHER AGENCY

4040390734200001. 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, 5.78 ft (1.76 m) NGVD, Sept. 15, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 15	8.17 G	MAR 4	8.77 G	JUN 16	7.18 G	JUN 23	6.86	SEP 1	5.97 G	SEP 15	5.78
22	8.13	25	8.14								

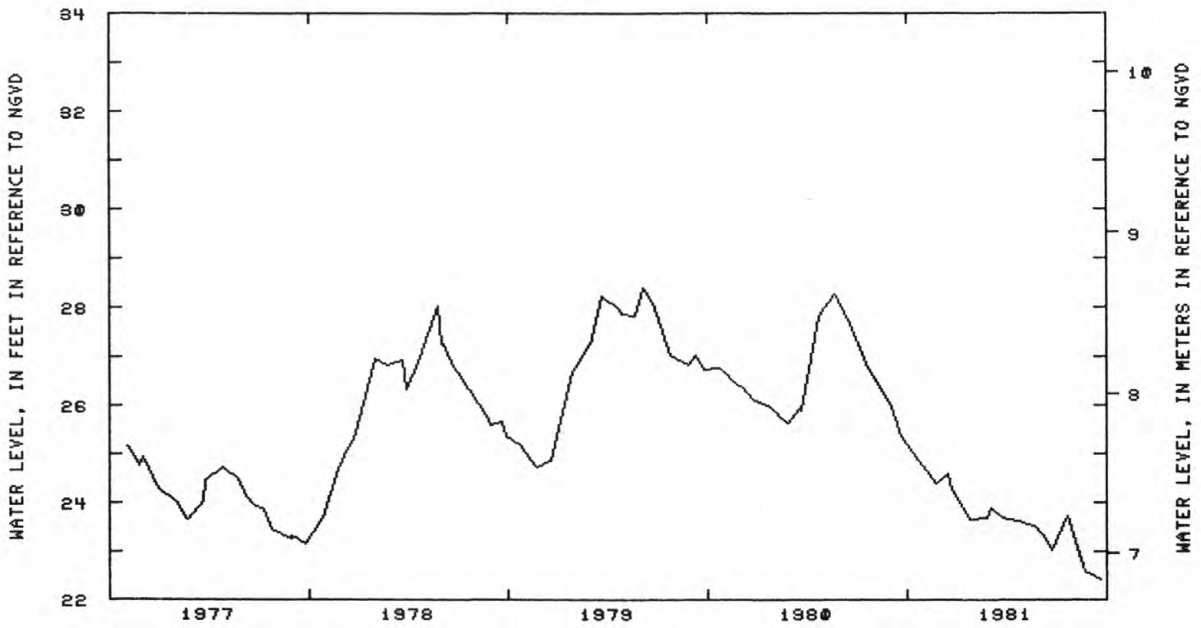
G MEASUREMENT BY ANOTHER AGENCY

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, 1975-1979 are available in files of Long Island Sub-district office.
PERIOD OF RECORD. --August 1937 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 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	24.85	DEC 24	24.27	MAR 3	23.89 G	MAY 21	23.54	JUL 20	23.74	AUG 31	22.54 G
NOV 24	24.40	JAN 26	23.68	23	23.71	JUN 3	23.37 G	AUG 24	22.56	SEP 21	22.40
DEC 16	24.60 G	FEB 25	23.71	APR 21	23.63	22	23.03				



G MEASUREMENT BY ANOTHER AGENCY

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, 93.27 ft (28.43 m) NGVD, June 22, 1979; lowest measured, 73.00 ft (22.25 m) NGVD, Apr. 25, 1967.

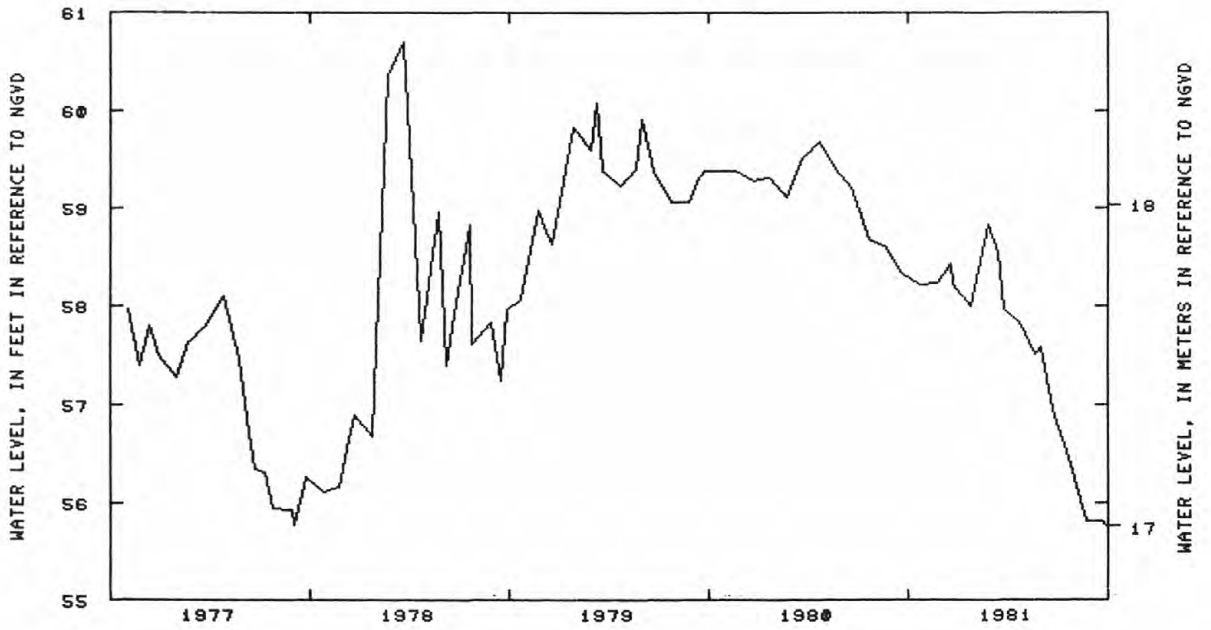
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 15	86.22	MAR 26	85.57	JUN 30	84.44	SEP 17	87.41				

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. --November 1939 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 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	58.21	DEC 23	58.22	MAR 12	58.55 G	MAY 21	57.52	JUL 20	56.46	SEP 21	55.82
NOV 24	58.24	JAN 26	58.00	23	57.96	JUN 1	57.59 G	AUG 24	55.82	29	55.77 G
DEC 19	58.43 G	FEB 25	58.84	APR 21	57.84	22	56.95				



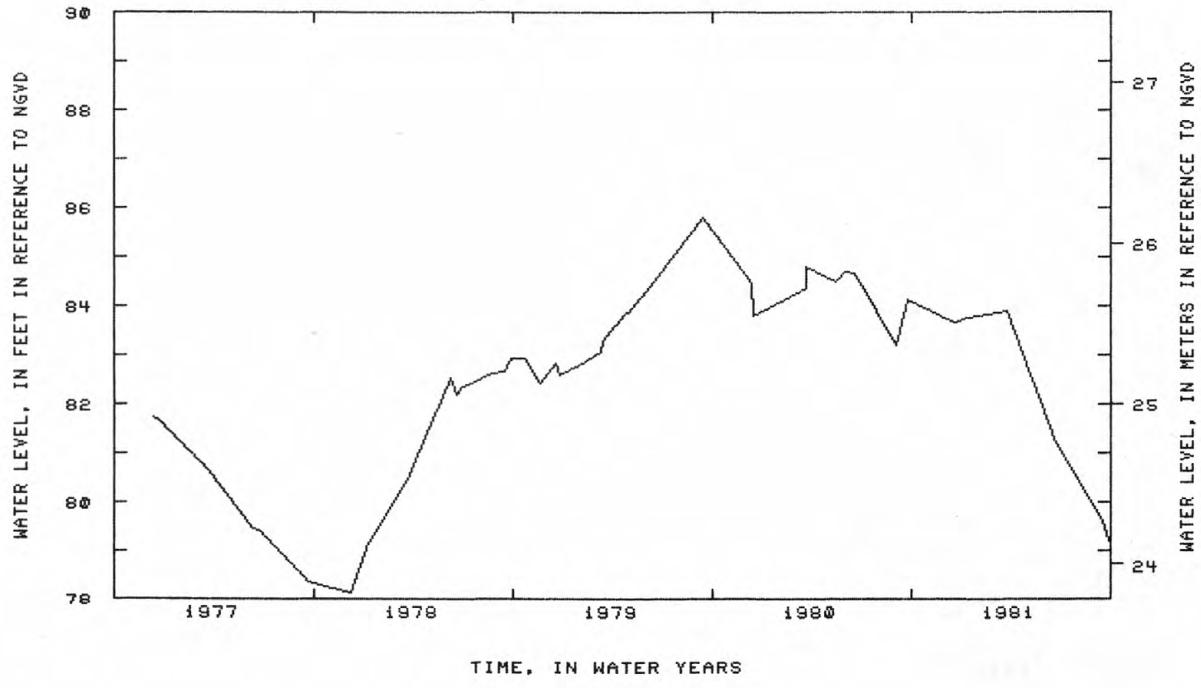
G MEASUREMENT BY ANOTHER AGENCY

NASSAU COUNTY--Continued

404703073264201. Local number, N 1246.
LOCATION. --Lat 40°47'03", 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, 85.81 ft (26.15 m) NGVD, Sept. 12, 1979; lowest measured, 68.29 ft (20.81 m) NGVD, Apr. 25, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 19	83.68 G	JAN 15	83.76	MAR 25	83.89	JUN 23	81.21	SEP 17	79.63	SEP 29	79.21 G

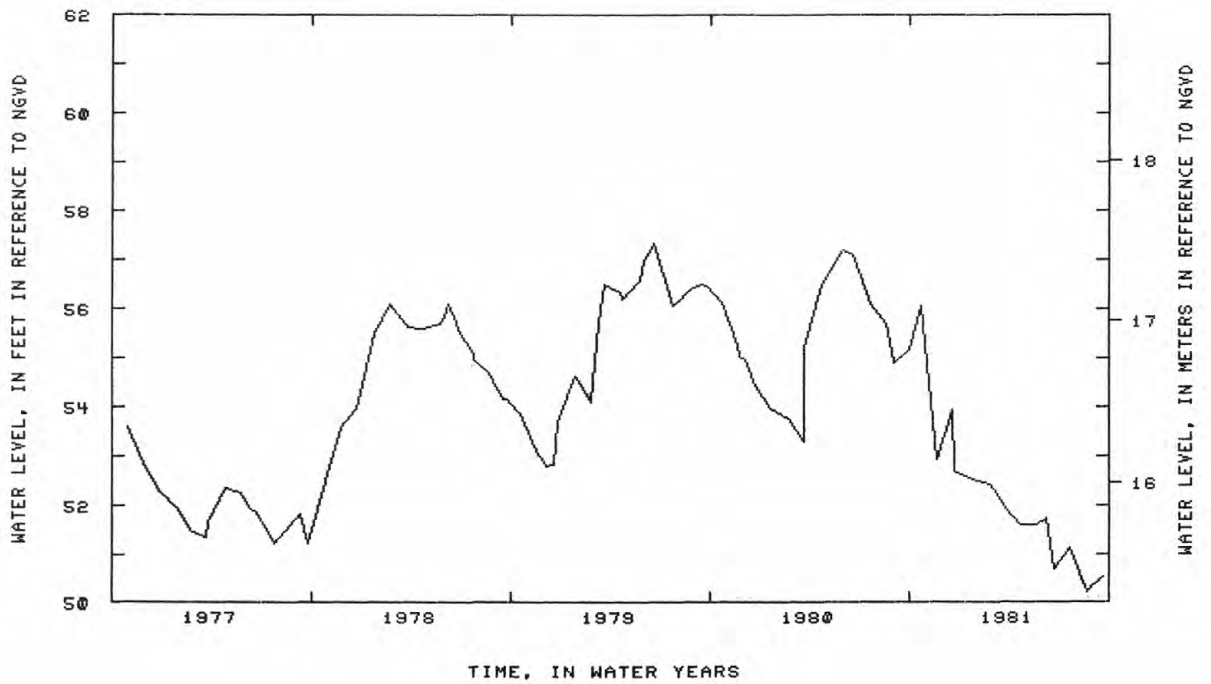


G MEASUREMENT BY ANOTHER AGENCY

404339073371402. Local number, N 1255-2.
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. --May 1913 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 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	56.08	DEC 23	52.71	MAR 11	52.24 G	MAY 21	51.59	JUN 22	50.69	AUG 24	50.19
NOV 20	52.94	JAN 26	52.52	23	51.94	JUN 8	51.72	JUL 20	51.12	SEP 21	50.52
DEC 18	53.93 G	FEB 25	52.44	APR 21	51.60						



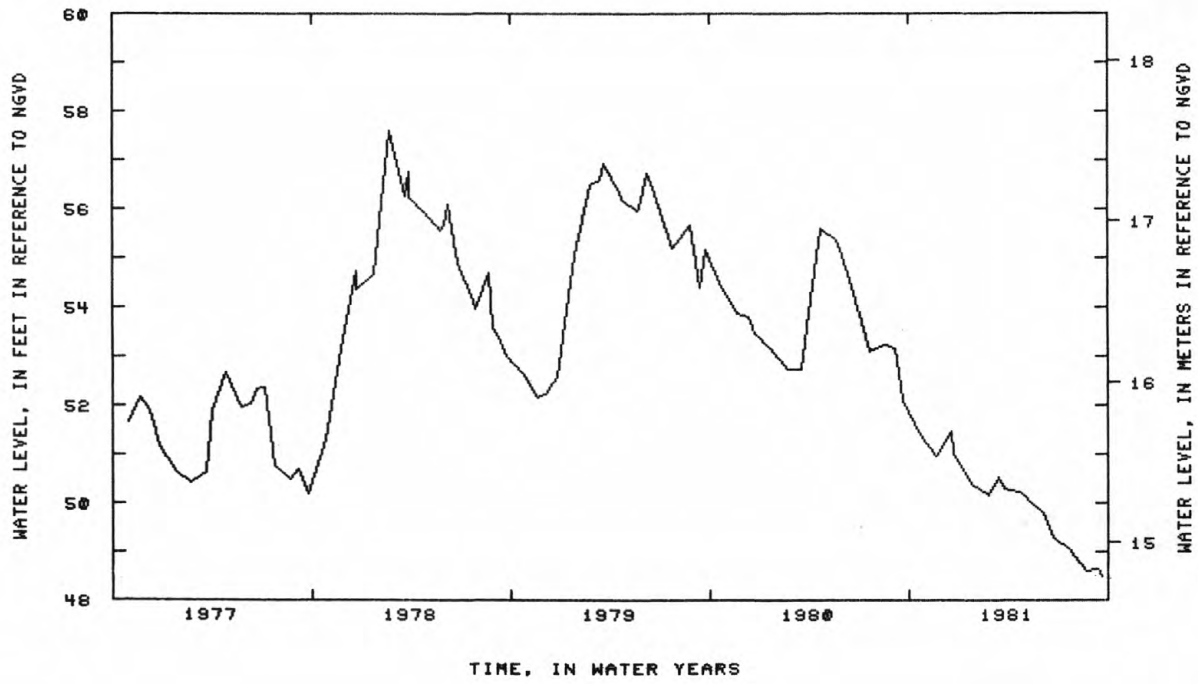
G MEASUREMENT BY ANOTHER AGENCY

NASSAU COUNTY--Continued

404316073290901. Local number, N 1259-5.
LOCATION. --Lat 40°43'16", 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, Feb. 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 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	51.41	DEC 23	51.03	MAR 13	50.53 G	MAY 21	49.94	JUL 20	49.05	SEP 15	48.60 G
NOV 20	50.95	JAN 26	50.40	23	50.30	JUN 3	49.80 G	AUG 24	48.58	21	48.45
DEC 18	51.48 G	FEB 25	50.15	APR 21	50.25	22	49.30				



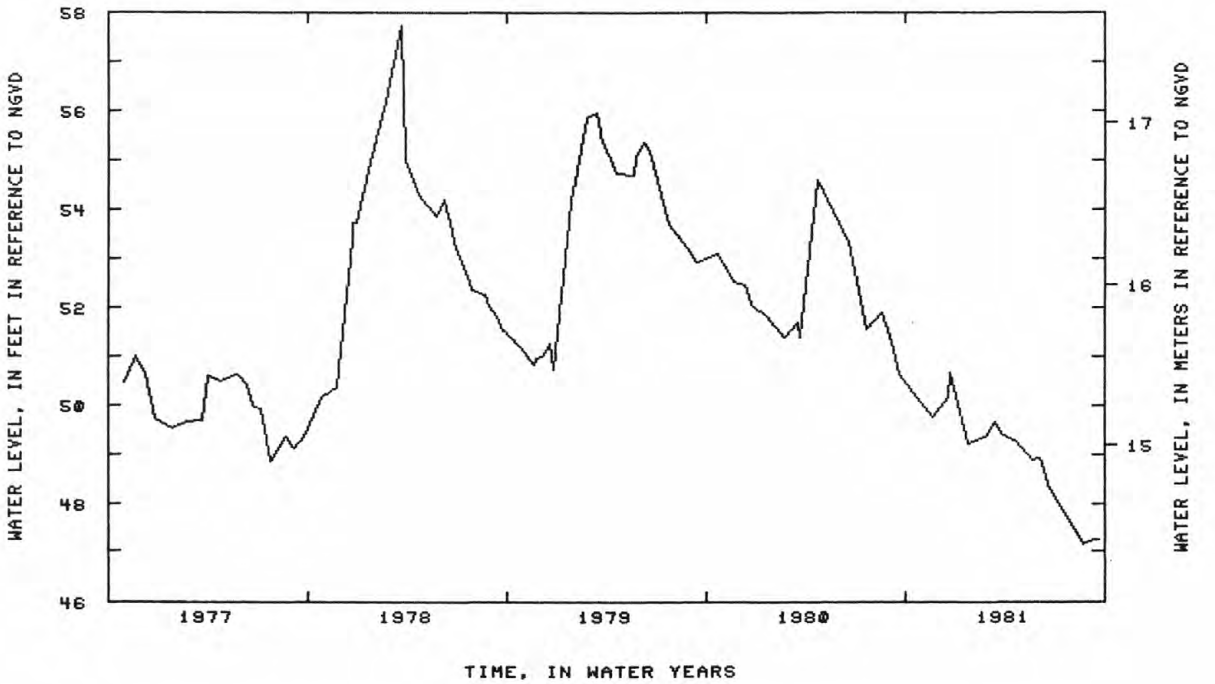
G MEASUREMENT BY ANOTHER AGENCY

NASSAU COUNTY--Continued

404302073295804. Local number, N 1263-4.
LOCATION. --Lat 40°43'02", long 73°29'58", 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. --June 1936 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 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	50.16	DEC 23	50.66	MAR 13	49.66 G	MAY 21	48.89	JUL 20	47.81	SEP 15	47.27 G
NOV 20	49.77	JAN 26	49.23	23	49.42	JUN 3	48.94 G	AUG 24	47.18	21	47.27
DEC 18	50.17 G	FEB 25	49.37	APR 21	49.27	22	48.29				



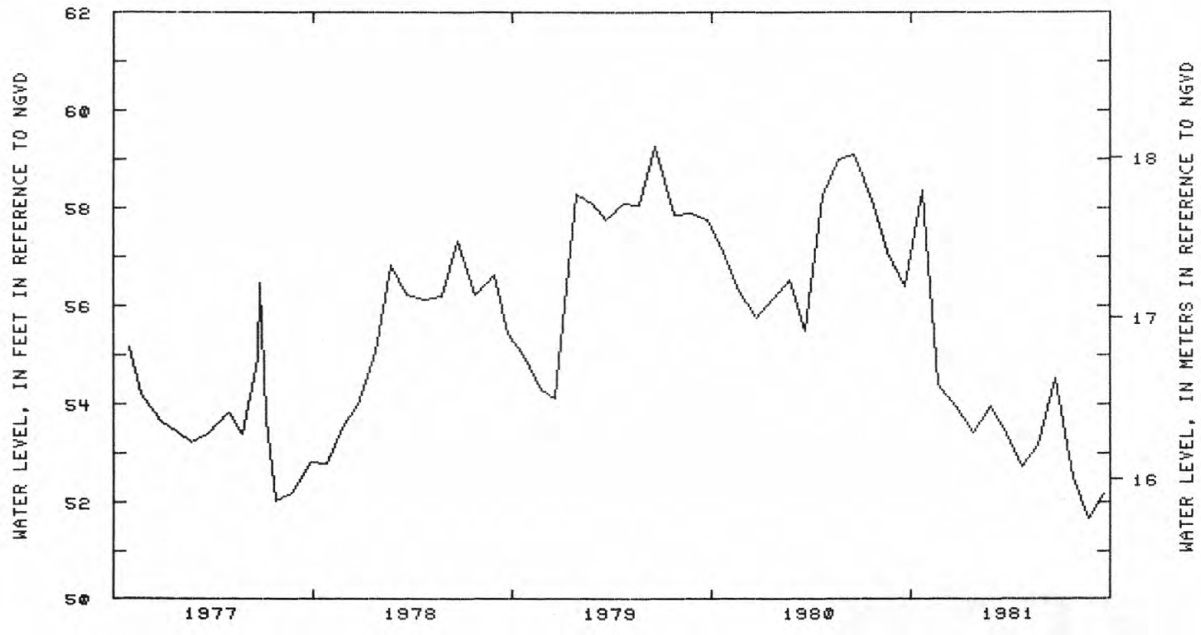
G MEASUREMENT BY ANOTHER AGENCY

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. --January 1933 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 1980 TO SEPTEMBER 1981

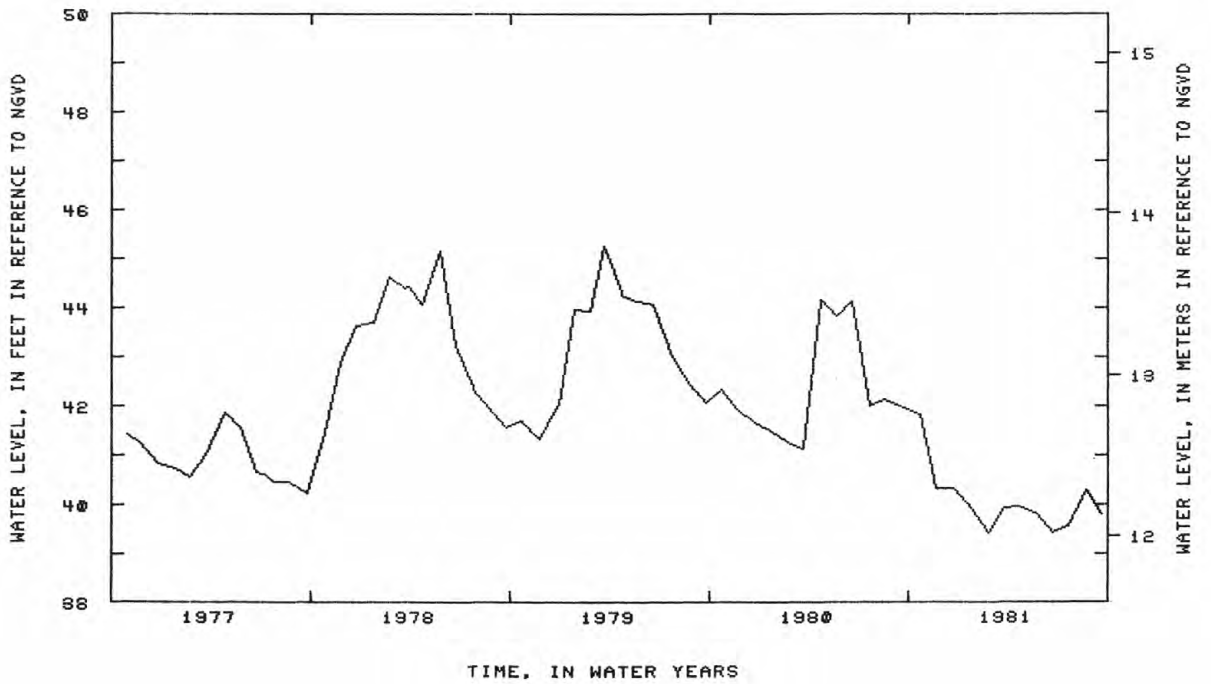
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	58.38	DEC 23	53.98	FEB 25	53.95	APR 21	52.74	JUN 22	54.54	AUG 24	51.65
NOV 20	54.40	JAN 26	53.44	MAR 23	53.41	MAY 21	53.17	JUL 24	52.50	SEP 21	52.17



404209073340602. Local number, N 1615-2.
LOCATION. --Lat 40°42'09", long 73°34'06", 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. --March 1913 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 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	41.84	DEC 23	40.32	FEB 25	39.43	APR 21	39.97	JUN 22	39.44	AUG 24	40.29
NOV 20	40.32	JAN 26	39.94	MAR 23	39.92	MAY 21	39.84	JUL 20	39.57	SEP 21	39.81

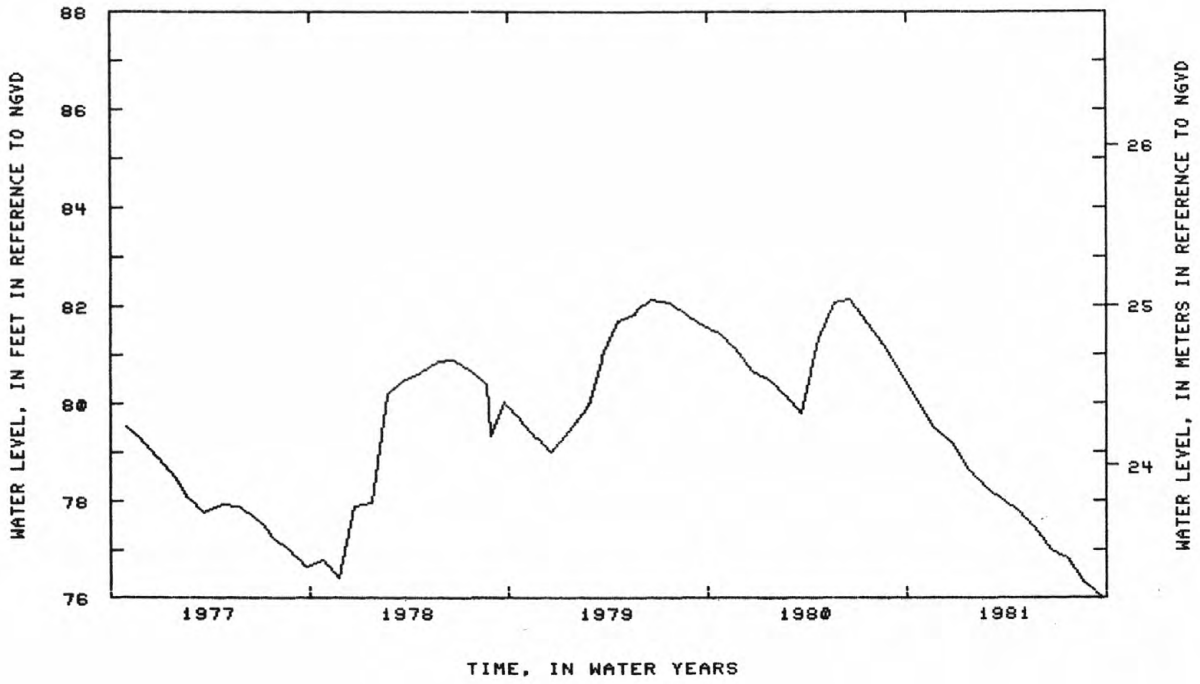


NASSAU COUNTY--Continued

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. Prior to June 1965 well was in upper Glacial aquifer.
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 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	79.99	DEC 23	79.19	FEB 25	78.27	APR 21	77.79	JUN 22	77.00	AUG 24	76.31
NOV 20	79.49	JAN 26	78.62	MAR 23	78.04	MAY 21	77.48	JUL 20	76.83	SEP 21	76.03



405001073343202. Local number, N 2528-2.
LOCATION.--Lat 40°50'01", 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.

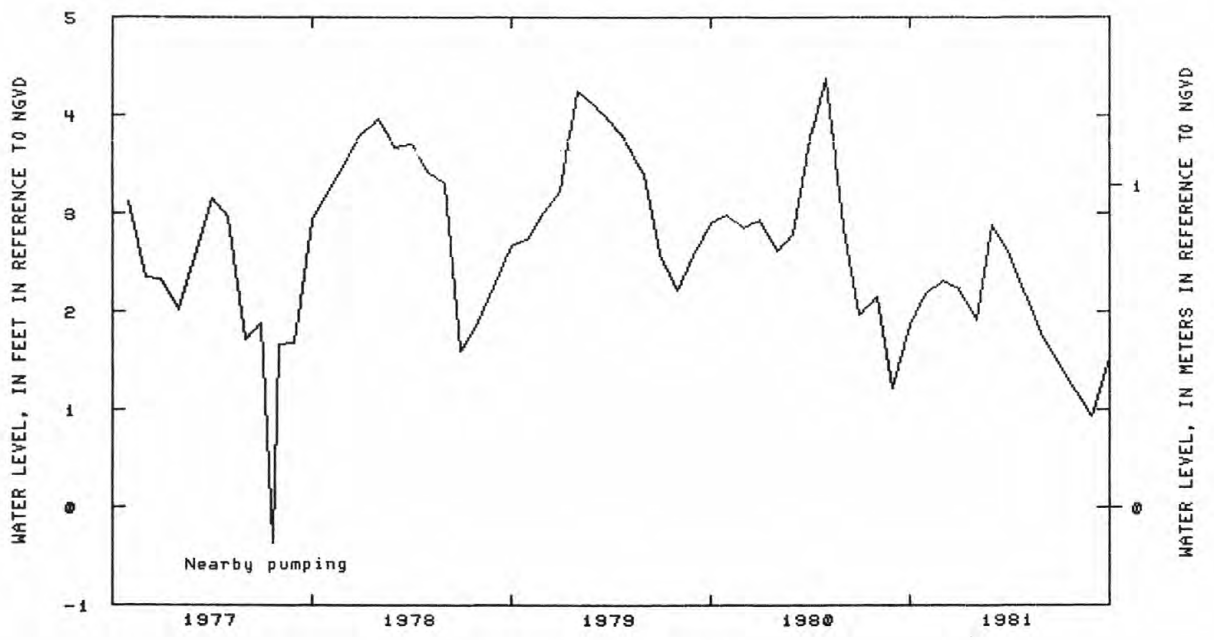
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 14	71.77	MAR 25	69.53	JUN 30	68.20	SEP 17	67.01				

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.--December 1949 to current year. Unpublished records for December 1949 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 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	2.19	DEC 31	2.24	FEB 28	2.88	MAY 31	1.73	JUL 31	1.19	SEP 30	1.54
NOV 30	2.31	JAN 31	1.91	MAR 31	2.56	JUN 28	1.46	AUG 31	0.94		



NASSAU COUNTY--Continued

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) above NGVD, Apr. 11, 1972.

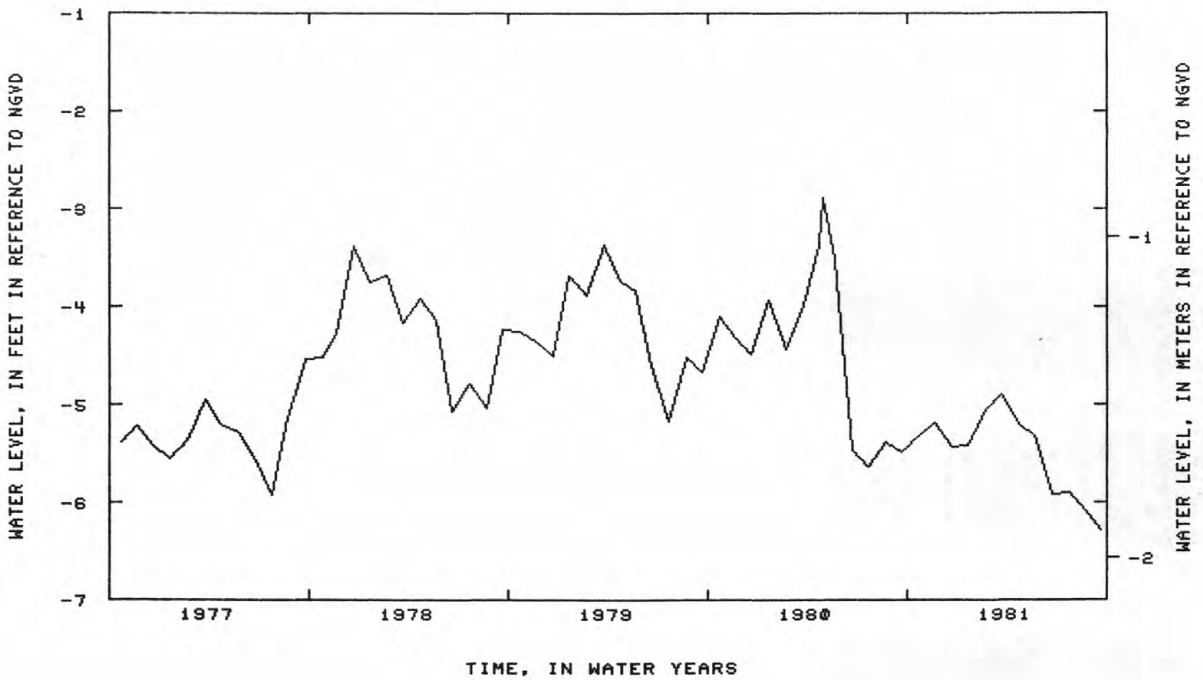
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 15	32.94	MAR 25	33.17	JUN 17	32.06	SEP 18	31.69				

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. --Water-quality records for 1952-53, 1956, 1959, 1970, 1974, 1981, are available in files of Long Island Sub-district office; those for 1981 are published elsewhere in this report.
PERIOD OF RECORD. --April 1952 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, -2.88 ft (0.88 m) NGVD, May 1, 1980; lowest measured, -7.57 ft (-2.31 m) NGVD, Aug. 7, 1955.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

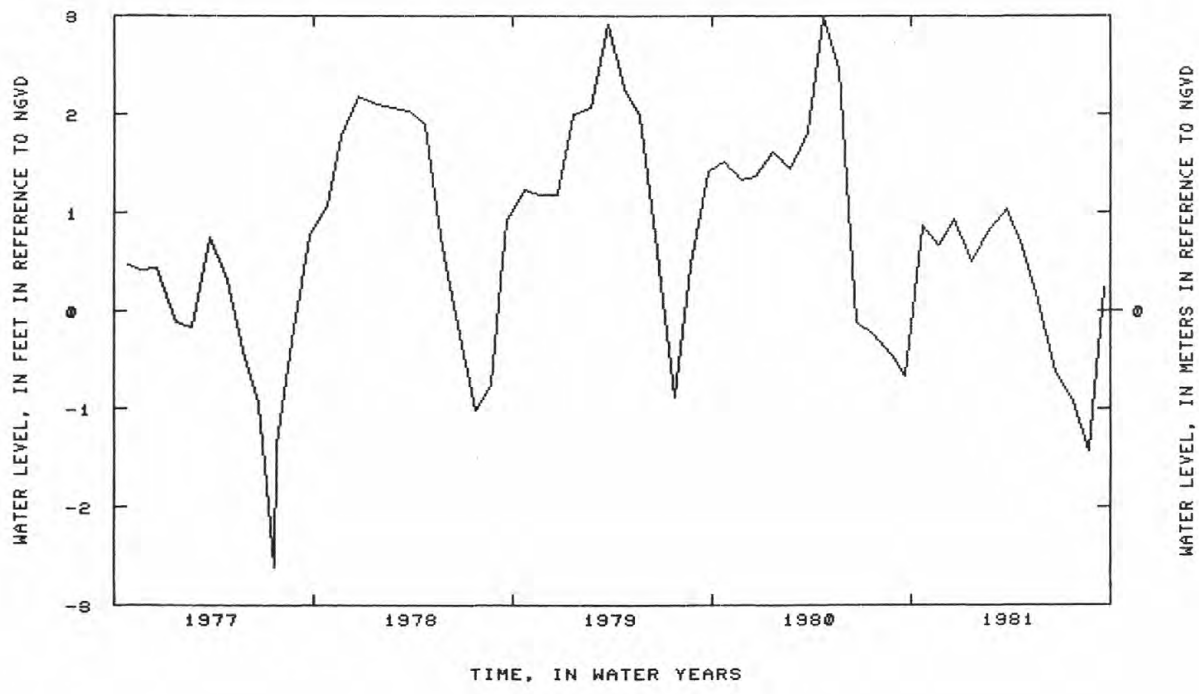
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	-5.32	DEC 21	-5.44	FEB 21	-5.05	APR 21	-5.20	JUN 21	-5.91	AUG 23	-6.09
NOV 19	-5.18	JAN 21	-5.41	MAR 22	-4.90	MAY 21	-5.32	JUL 23	-5.90	SEP 21	-6.29



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.--December 1952 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, -2.61 ft (-0.80 m) NGVD, July 19, 1977.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	0.87	DEC 19	0.93	FEB 23	0.84	APR 22	0.65	JUN 22	-0.63	AUG 24	-1.43
NOV 20	0.66	JAN 22	0.50	MAR 23	1.04	MAY 22	0.10	JUL 23	-0.94	SEP 21	0.24

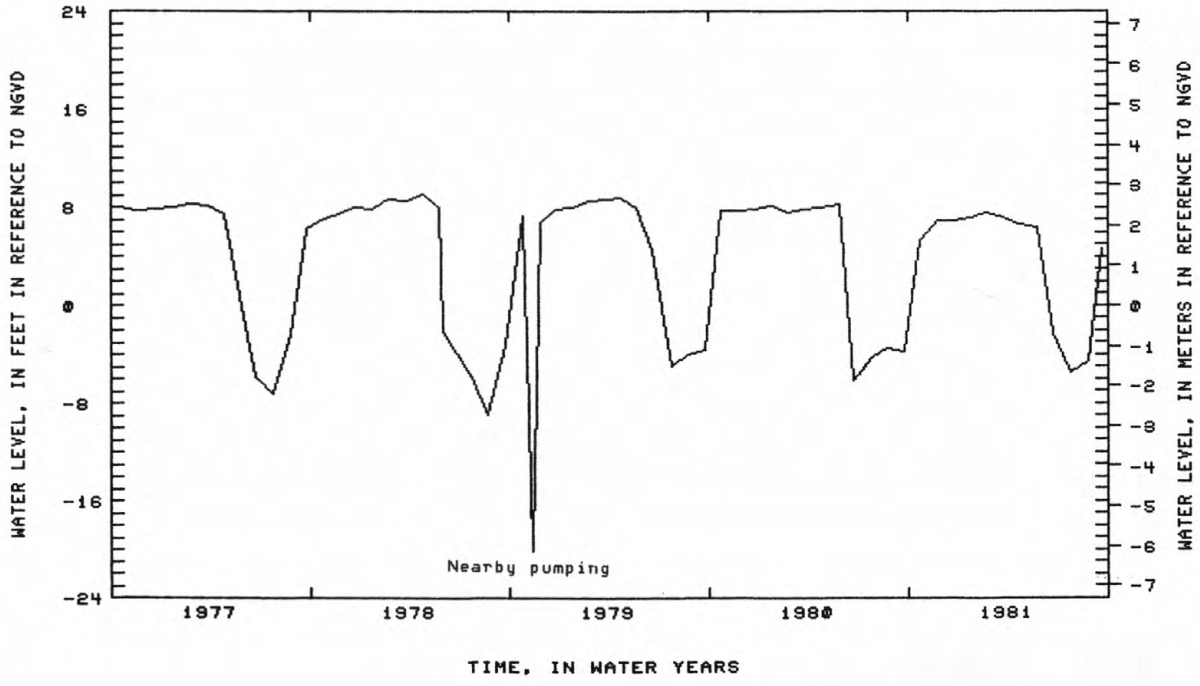


NASSAU COUNTY--Continued

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. --Port Washington.
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. --August 1957 to current year. Unpublished records for August 1957 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, -20.09 ft (-6.12 m) NGVD, Nov. 15, 1978.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

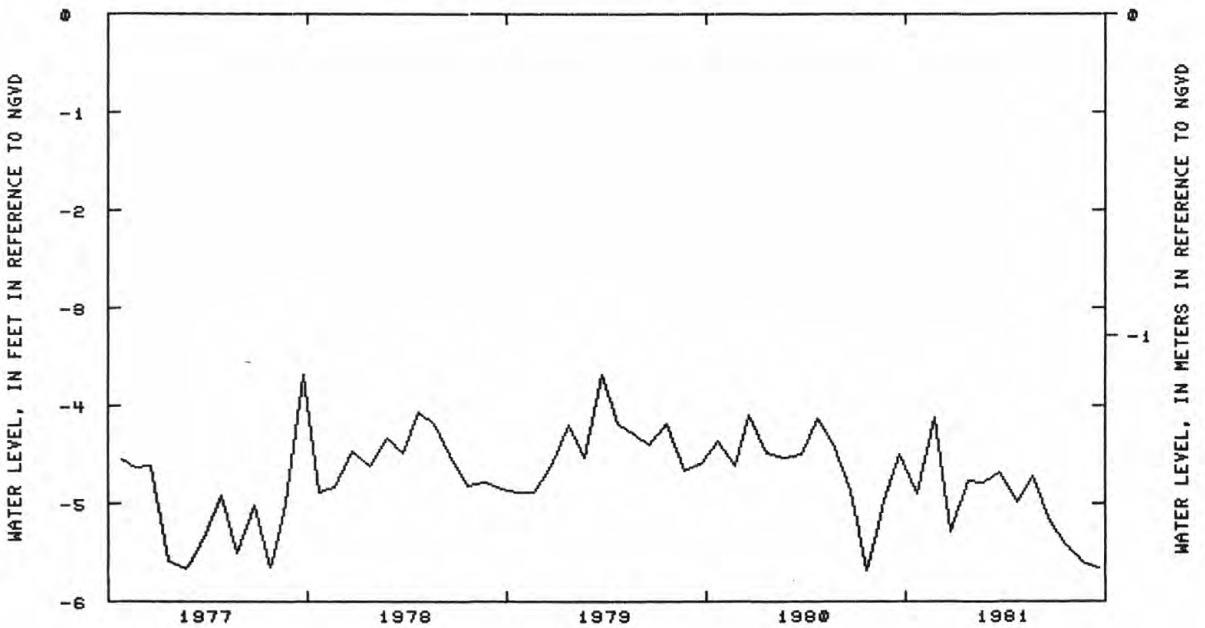
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	5.39	DEC 23	6.88	FEB 24	7.56	APR 23	6.71	JUN 22	-2.30	AUG 25	-4.55
NOV 24	6.88	JAN 26	7.22	MAR 24	7.15	MAY 24	6.35	JUL 24	-5.53	SEP 22	4.66



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. --August 1959 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 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	-4.90	DEC 22	-5.29	FEB 22	-4.78	APR 21	-4.98	JUN 21	-5.18	AUG 23	-5.60
NOV 23	-4.12	JAN 23	-4.77	MAR 22	-4.68	MAY 21	-4.71	JUL 22	-5.41	SEP 21	-5.66



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 1959 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, -1.33 ft (-0.41 m) NGVD, July 19, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	1.32	DEC 19	1.73	FEB 19	1.35	APR 19	1.69	JUN 18	0.48	SEP 17	1.27
NOV 19	1.55	JAN 19	1.32	MAR 19	1.89	MAY 18	1.54	AUG 19	0.58		

NASSAU COUNTY--Continued

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. --June 1960 to current year. Unpublished records for June 1960 to September 1975 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, 2.69 ft (0.82 m) NGVD, Oct. 27, 1980.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	4.98	DEC 22	4.73	FEB 22	5.30	APR 21	5.01	JUN 21	4.71	AUG 23	4.60
NOV 22	5.02	JAN 23	5.31	MAR 22	5.40	MAY 21	5.31	JUL 22	4.28	SEP 21	4.60

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 370 ft (113 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. --September 1961 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, -3.20 ft (-0.98 m) NGVD, Aug. 2, 1981.

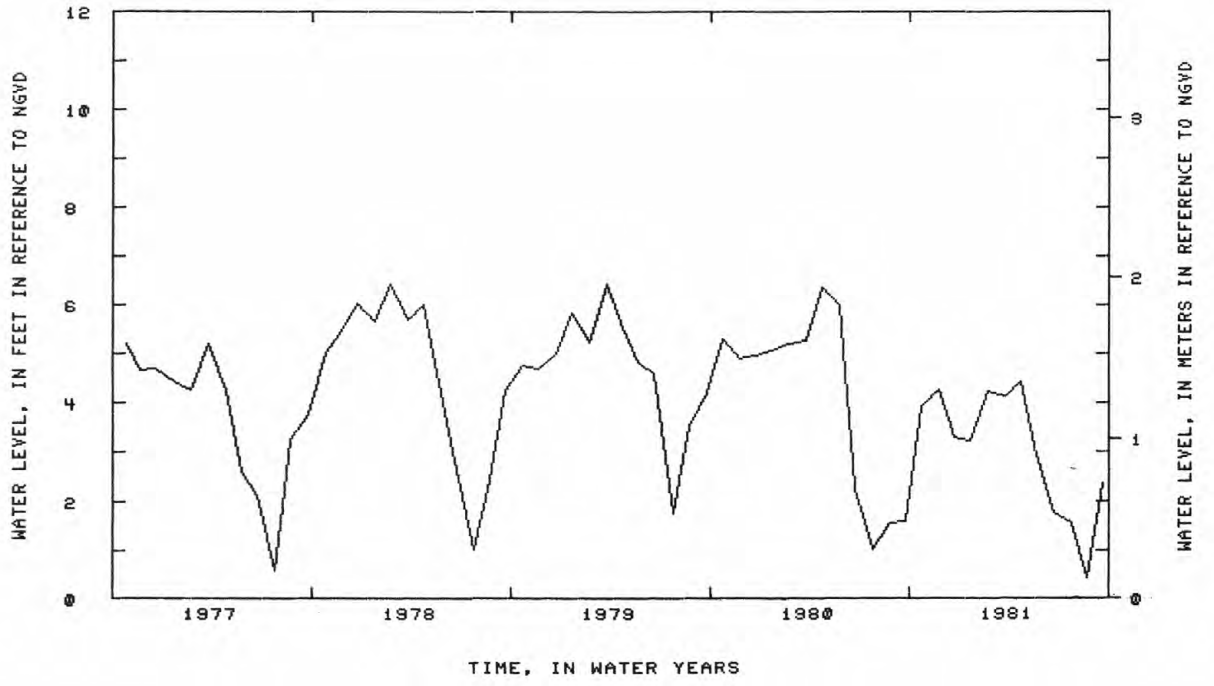
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	9.42	DEC 27	8.39	FEB 25	11.43	APR 24	10.90	JUN 24	6.11	AUG 26	-0.19
NOV 25	10.95	JAN 24	10.70	MAR 24	8.42	MAY 25	5.99	JUL 24	2.91	SEP 23	8.65
DEC 22	10.56										

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 1961 to current year. Unpublished records for October 1961 to September 1975 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 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	3.92	DEC 22	3.30	FEB 23	4.25	APR 22	4.44	JUN 22	1.78	AUG 24	0.43
NOV 24	4.27	JAN 22	3.23	MAR 23	4.14	MAY 22	2.93	JUL 23	1.57	SEP 22	2.38



NASSAU COUNTY--Continued

404236073433501. Local number, N 7493.
LOCATION.--Lat 40°42'36", long 73°43'35", 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.--April 1964 to current year. Unpublished records for April 1964 to September 1975 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 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	7.46	DEC 22	7.86	FEB 23	7.92	APR 21	7.91	JUN 22	7.40	AUG 21	6.06
NOV 21	7.69	JAN 21	7.77	MAR 20	8.00	MAY 21	7.80	JUL 21	6.74	SEP 21	5.63

405418073324001. Local number, N 7546.
LOCATION.--Lat 40°54'18", long 73°32'40", 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 (119 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 1964 to current year. Unpublished records for October 1964 to September 1975 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 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	10.08	DEC 23	10.61	FEB 25	10.64	APR 24	10.43	JUN 22	8.31	AUG 23	6.41
NOV 24	11.05	JAN 22	10.22	MAR 24	9.85	MAY 25	8.55	JUL 23	7.60	SEP 23	9.32

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.--Water-quality records for 1965 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--June 1966 to current year. Unpublished records for June 1966 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.82 ft (1.16 m) NGVD, Jan. 20, 1979; lowest measured, -1.00 ft (-0.30 m) NGVD, Dec. 22, 1980.

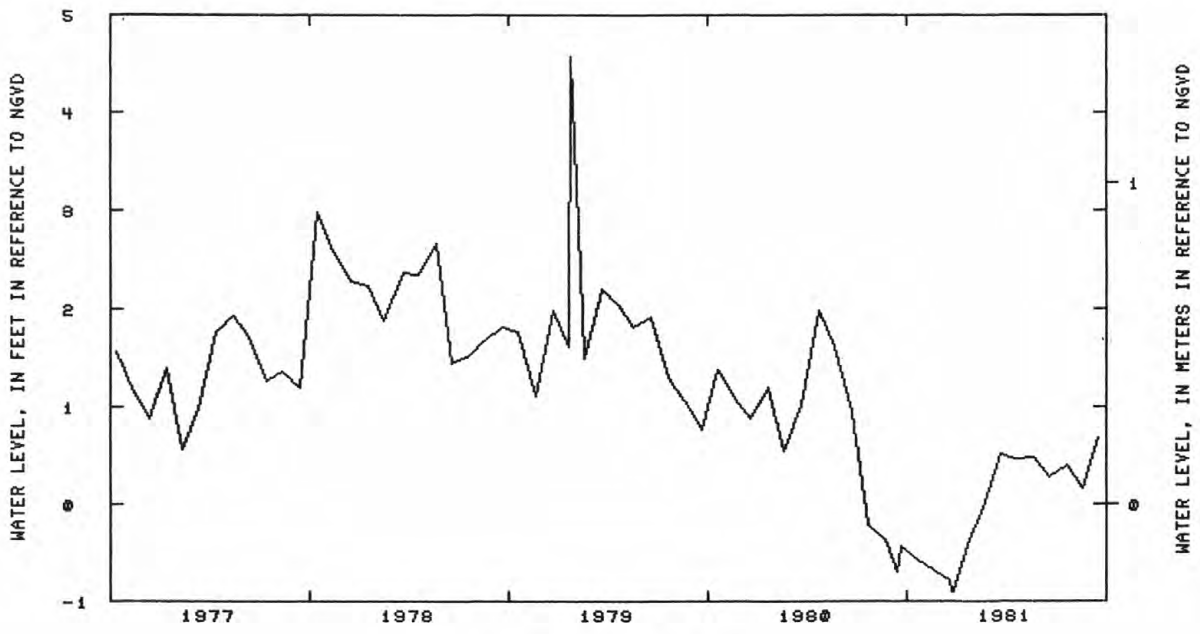
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	-0.29	DEC 19	-0.51	FEB 18	0.19	APR 19	0.69	JUN 18	0.46	AUG 19	0.37
NOV 20	-0.35	JAN 19	0.07	MAR 19	0.75	MAY 18	0.74	JUL 19	0.54	SEP 17	0.96

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.--February 1966 to current year. Unpublished records for February 1966 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.56 ft (1.39 m) NGVD, Jan. 25, 1979; lowest measured, -0.90 ft (-0.27 m) NGVD, Dec. 22, 26, 27, 1980.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	-0.57	DEC 22	-0.90	JAN 20	-0.42	APR 20	0.47	JUN 19	0.28	AUG 20	0.16
NOV 20	-0.69	26	-0.90	FEB 19	-0.04	MAY 19	0.49	JUL 20	0.40	SEP 18	0.69
DEC 19	-0.78	27	-0.90	MAR 20	0.51						



403805073395303. Local number, N 7677.
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 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. --Water-quality records for 1965 and 1973 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, 3.94 ft (1.20 m) NGVD, Jan. 25, 1979; lowest measured, -0.88 ft (-0.27 m) NGVD, Dec. 22, 1980.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	-0.06	DEC 19	-0.23	FEB 18	0.48	APR 19	0.96	JUN 18	0.63	AUG 19	0.56
NOV 20	-0.10	JAN 19	0.43	MAR 19	1.07	MAY 18	0.97	JUL 19	0.67	SEP 17	1.17

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. --Water-quality records for 1965-70, 1972-73, are available in files of Long Island Sub-district office.
PERIOD OF RECORD. --November 1966 to current year. Unpublished records for November 1966 to September 1975 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, 0.38 ft (0.12 m) NGVD, July 18, 19, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	2.01	DEC 19	2.23	FEB 18	2.06	APR 19	2.46	JUN 18	1.15	SEP 17	2.20
NOV 20	2.13	JAN 19	2.02	MAR 19	2.67	MAY 18	2.34	AUG 19	1.24		

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. --Water-quality records for 1972-74 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, 4.80 ft (1.46 m) NGVD, Feb. 6, 1978; lowest measured, +0.21 ft (0.06 m) NGVD, July 18, 19, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

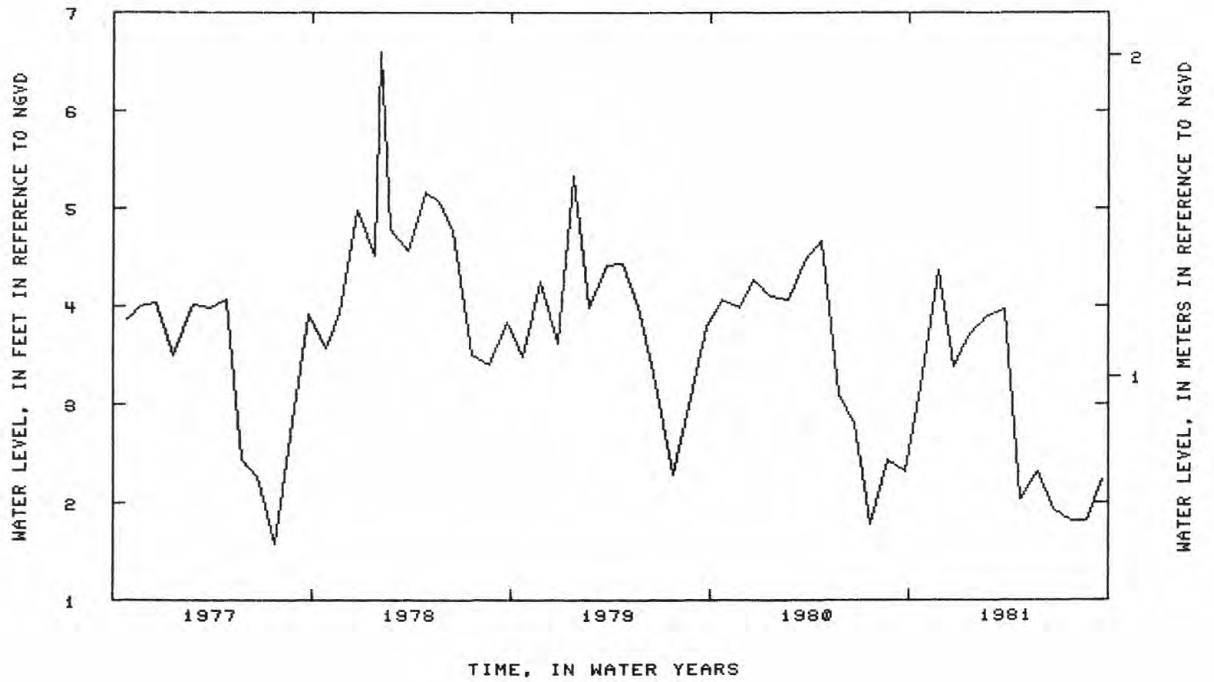
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	2.12	DEC 19	2.39	FEB 18	2.10	APR 19	2.50	JUN 18	1.00	SEP 17	2.18
NOV 20	2.23	JAN 19	2.10	MAR 19	2.75	MAY 18	2.37	AUG 19	1.10		

NASSAU COUNTY--Continued

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. --Water-quality records for 1966 and 1976 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, 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 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	3.19	DEC 21	3.38	FEB 23	3.90	APR 24	2.04	JUN 22	1.94	AUG 23	1.82
NOV 23	4.36	JAN 22	3.71	MAR 23	3.97	MAY 25	2.31	JUL 23	1.81	SEP 22	2.23

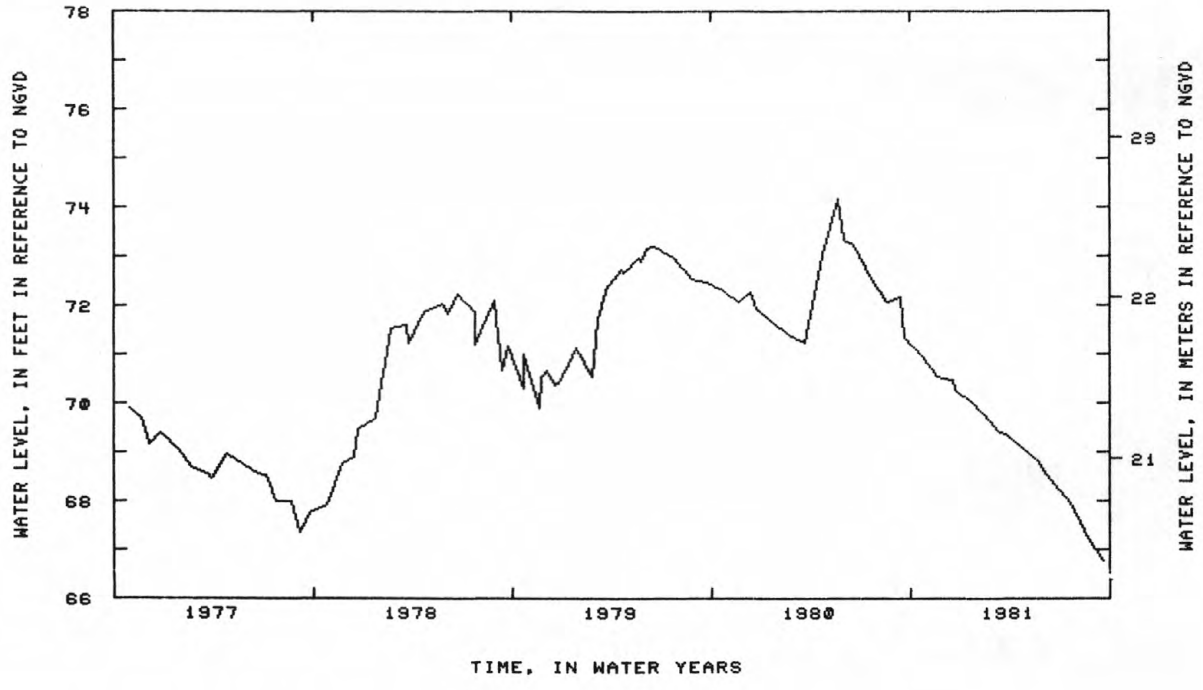


NASSAU COUNTY--Continued

404535073370002. Local number, N 8269-2.
LOCATION. --Lat 40°45'35", long 73°37'00", 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. Replaces well N 1256, April 1967.
PERIOD OF RECORD. --June 1936 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 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	70.96	DEC 23	70.28	MAR 10	69.42 Q	MAY 21	68.82	JUN 22	68.32	AUG 24	67.23
NOV 20	70.55	JAN 26	70.00	23	69.38	JUN 8	68.53 Q	JUL 20	67.97	SEP 21	66.78
DEC 18	70.48 Q	FEB 25	69.62	APR 21	69.10						



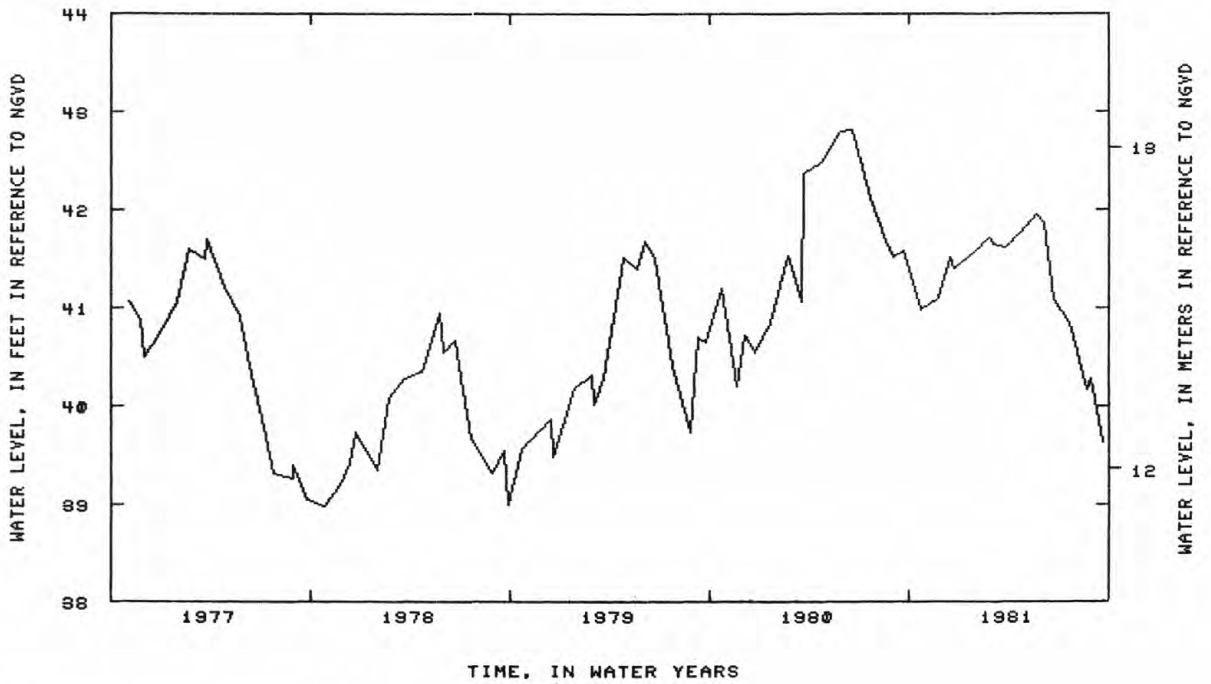
Q MEASUREMENT BY ANOTHER AGENCY

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. --March 1967 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, 42.81 ft (13.05 m) NGVD, June 20, 1980; lowest measured, 33.53 ft (10.22 m) NGVD, Sept. 23, 1968.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	40.98	DEC 23	41.40	MAR 4	41.65 G	MAY 21	41.95	JUL 20	40.85	AUG 31	40.28 G
NOV 24	41.10	JAN 26	41.55	23	41.61	JUN 3	41.87 G	AUG 24	40.16	SEP 21	39.63
DEC 16	41.52 G	FEB 25	41.71	APR 21	41.77	22	41.08				



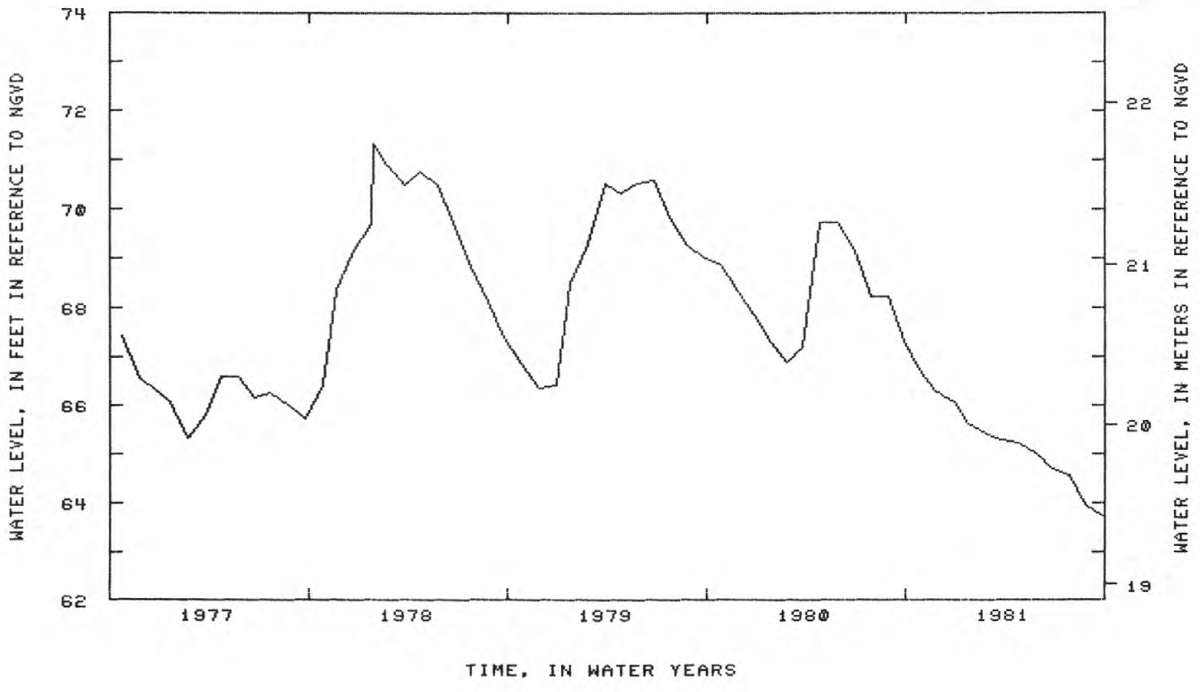
G MEASUREMENT BY ANOTHER AGENCY

NASSAU COUNTY--Continued

404404073325601. Local number, N 8959.
LOCATION. --Lat 40°44'04", long 73°32'56", 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.
PERIOD OF RECORD. --December 1972 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, 63.67 ft (19.41 m) NGVD, Sept. 30, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	66.73	JAN 26	65.64	MAR 26	65.31	MAY 26	65.03	JUL 27	64.55	SEP 28	63.72
NOV 26	66.30	FEB 25	65.44	APR 27	65.24	JUN 26	64.69	AUG 27	63.97	30	63.67
DEC 29	66.06										

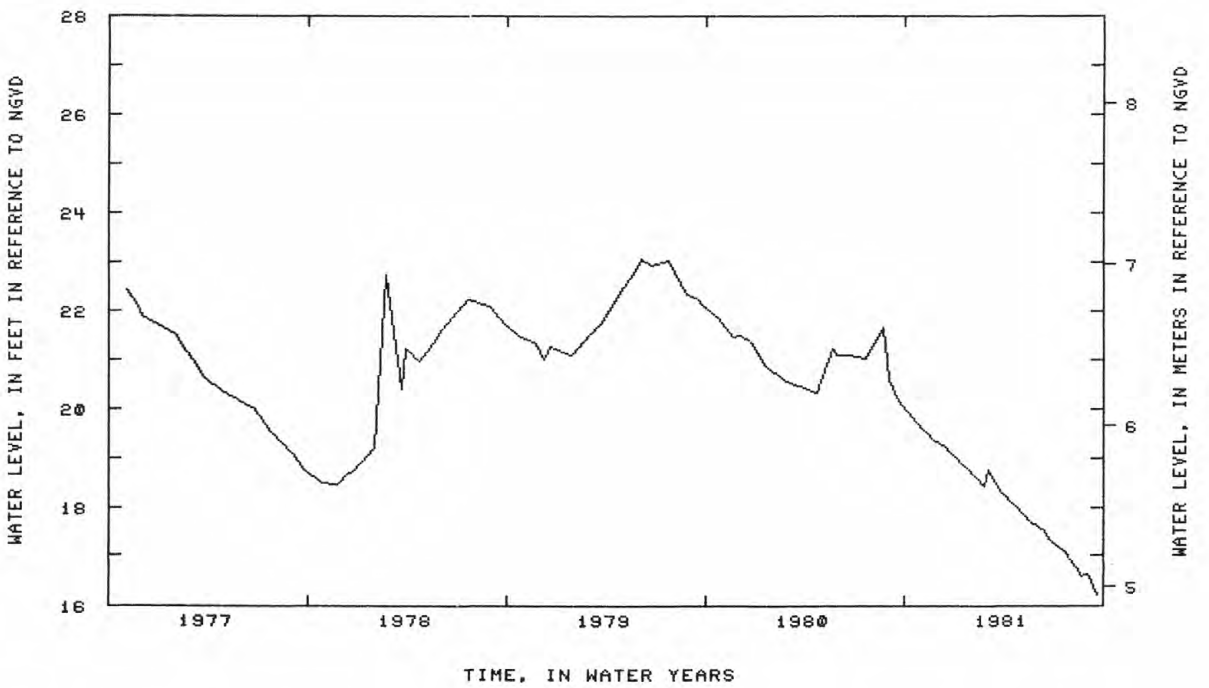


NASSAU COUNTY--Continued

404757073440402. Local number, N 9099.
LOCATION.--Lat 40°47'57", long 73°44'04", 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.--Replaces well N 1479. Water-quality records for 1976 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--September 1944 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) above NGVD, Dec. 23, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	19.74	DEC 23	19.13	MAR 4	18.76 G	MAY 21	17.71	JUL 20	17.10	SEP 1	16.67 G
NOV 24	19.36	JAN 26	18.79	23	18.34	JUN 16	17.53 G	AUG 24	16.59	21	16.23
DEC 15	19.22 G	FEB 25	18.43	APR 21	18.03	22	17.37				



G MEASUREMENT BY ANOTHER AGENCY

NASSAU COUNTY--Continued

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. --Replaces Well N 1109-2, October, 1977.
PERIOD OF RECORD. --April 1939 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, 9.46 ft (2.88 m) NGVD, Sept. 21, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	11.70	DEC 15	11.33 G	FEB 25	10.86	APR 21	9.91	JUN 22	10.45	SEP 1	9.71 G
NOV 23	12.81	24	11.23	MAR 4	11.41 G	MAY 21	10.92	JUL 20	9.87	21	9.46
24	11.37	JAN 26	10.58	23	10.99	JUN 16	10.79 G	AUG 21	9.56		

G MEASUREMENT BY ANOTHER AGENCY

GROUND-WATER LEVELS

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.

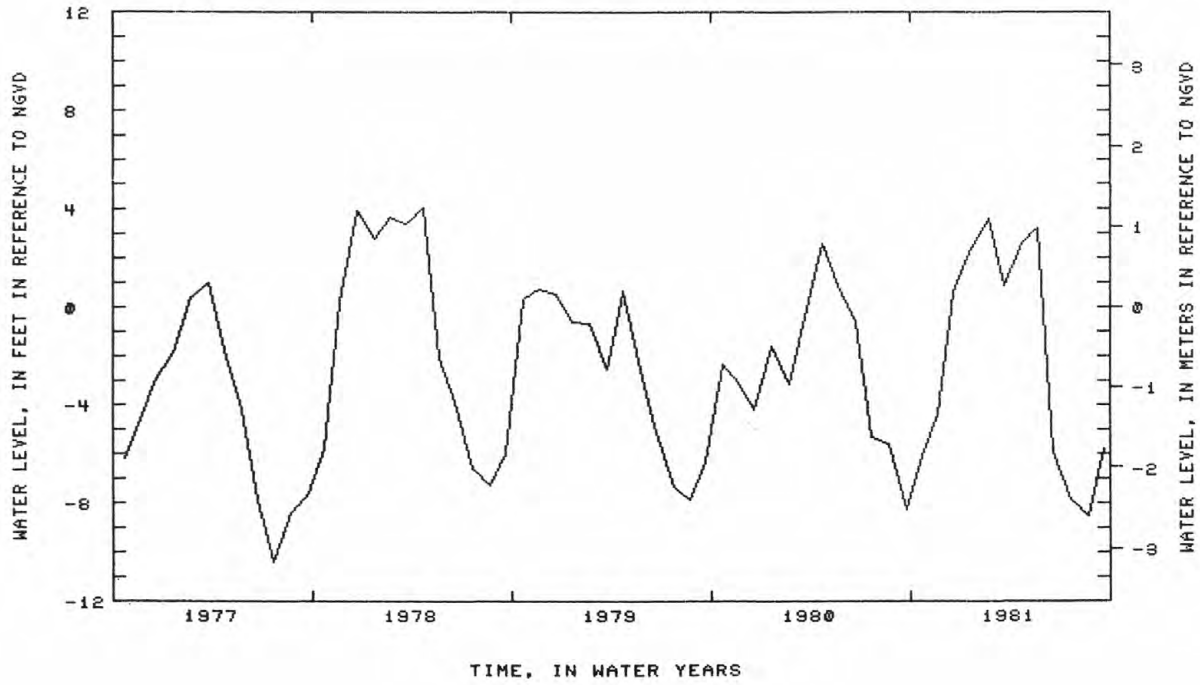
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 22	-24.53	MAR 10	-4.72	MAR 18	-4.13	JUN 23	-9.40	SEP 22	-10.68		

404418073441O1. 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.--February 1946 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 IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	-6.06	DEC 19	0.60	FEB 23	3.58	APR 21	2.58	JUN 19	-5.91	AUG 21	-8.50
NOV 21	-4.38	JAN 21	2.41	MAR 20	0.88	MAY 21	3.18	JUL 21	-7.88	SEP 21	-5.79

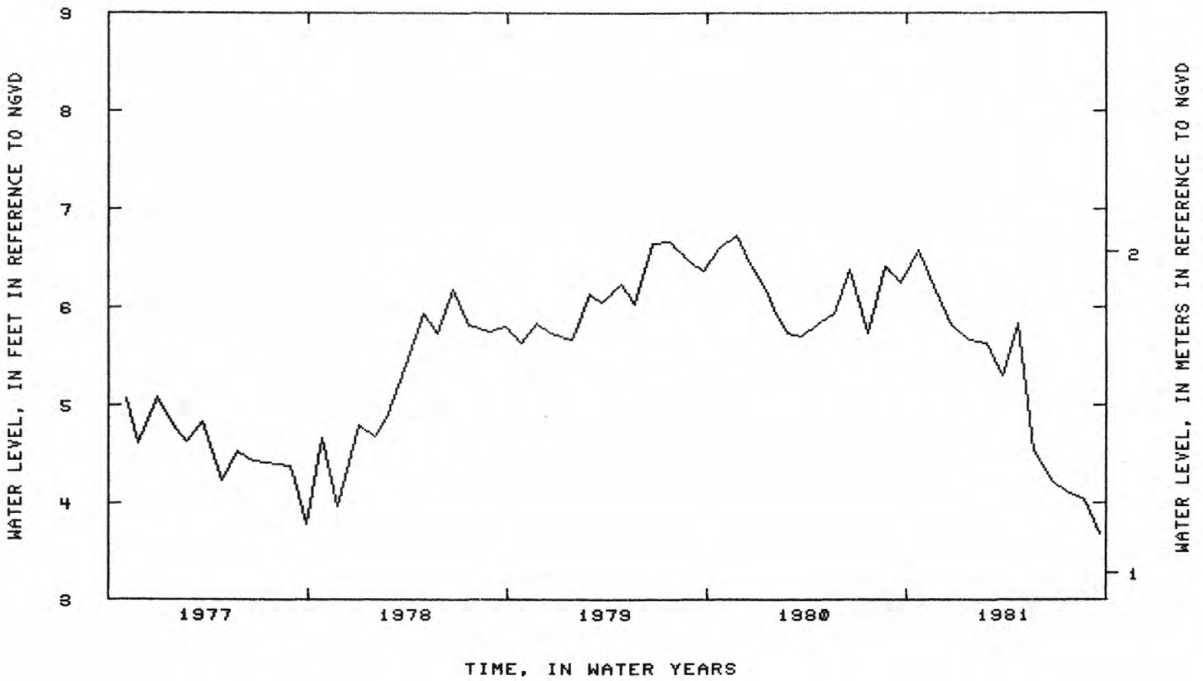


QUEENS COUNTY--Continued

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 1940 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, 6.74 ft (2.05 m) NGVD, Nov. 23, 1979; lowest measured, -11.29 ft (3.44 m) NGVD, Sept. 2, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

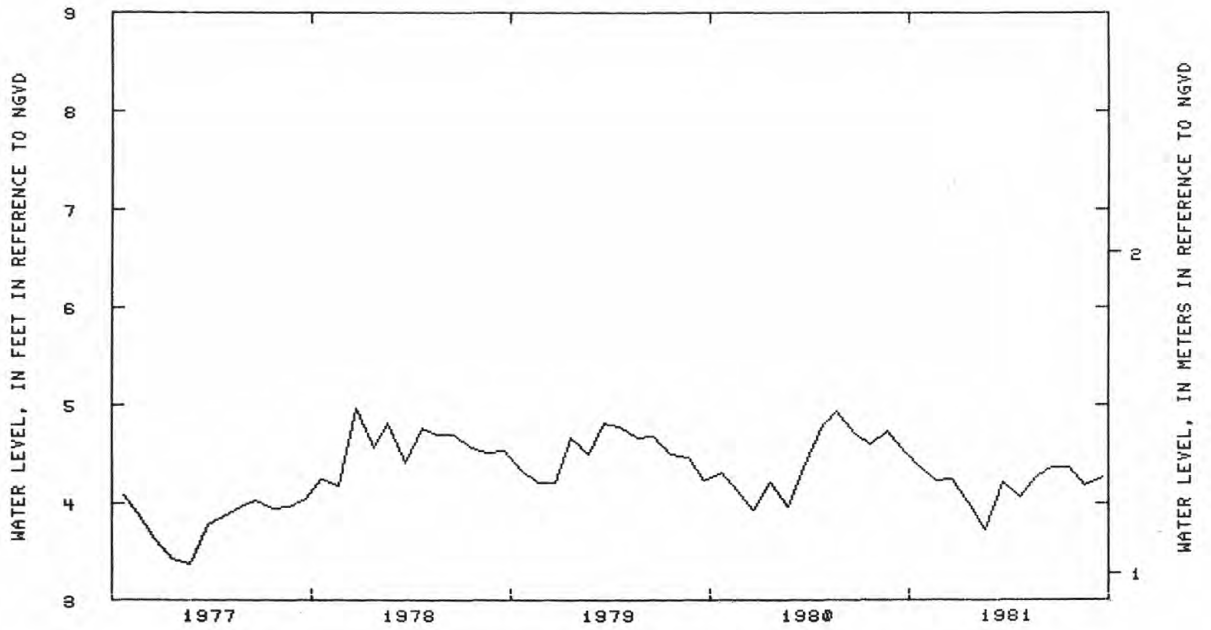
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	6.59	DEC 24	5.81	FEB 25	5.64	APR 21	5.84	JUN 22	4.24	AUG 24	4.04
NOV 24	6.16	JAN 26	5.66	MAR 23	5.30	MAY 21	4.54	JUL 20	4.11	SEP 21	3.69



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. --January 1946 to current year. Unpublished records for 1946-48, 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 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	4.38	DEC 18	4.25	FEB 19	3.73	APR 21	4.07	JUN 18	4.36	AUG 19	4.19
NOV 19	4.23	JAN 18	4.01	MAR 22	4.22	MAY 21	4.26	JUL 20	4.36	SEP 20	4.27



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, 3.56 ft (1.08 m) NGVD, Sept. 24, 1980; lowest measured, -3.40 ft (-1.04 m) NGVD, May 25, 1959.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

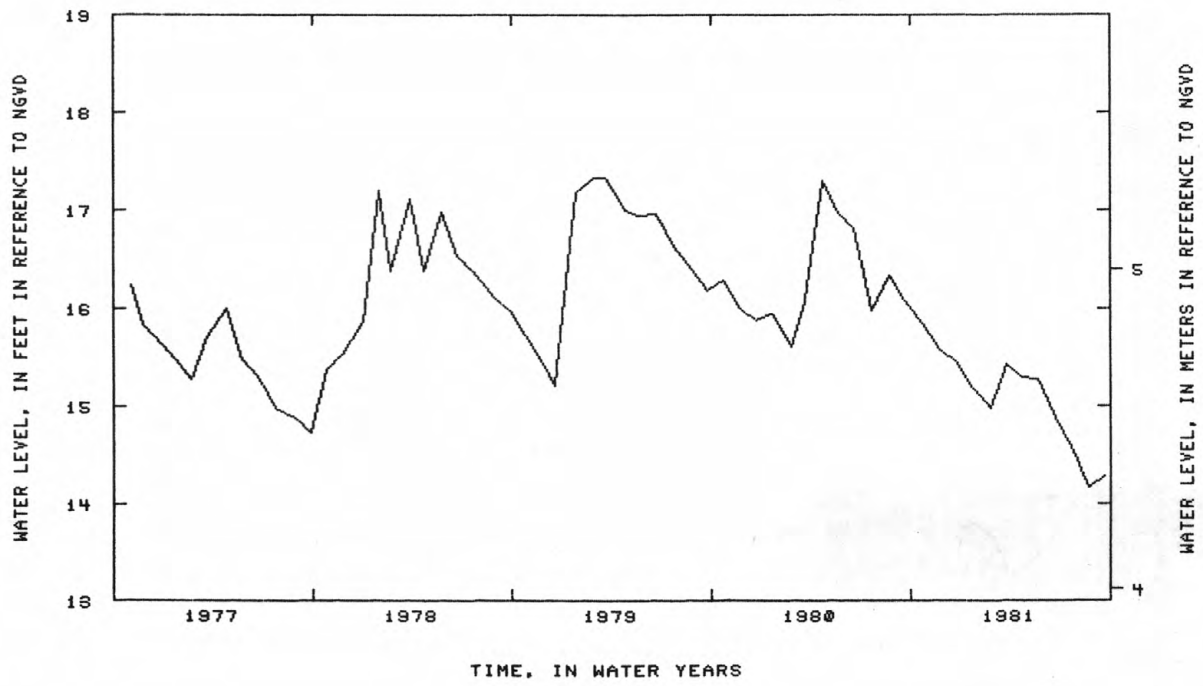
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 22	3.16	FEB 9	2.15	FEB 13	1.91	MAR 12	2.52	JUN 22	2.24	SEP 22	2.15

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. --August 1960 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 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	15.85	DEC 23	15.47	FEB 25	14.98	APR 21	15.30	JUN 22	14.89	AUG 24	14.16
NOV 24	15.58	JAN 26	15.18	MAR 23	15.44	MAY 21	15.28	JUL 20	14.58	SEP 21	14.28

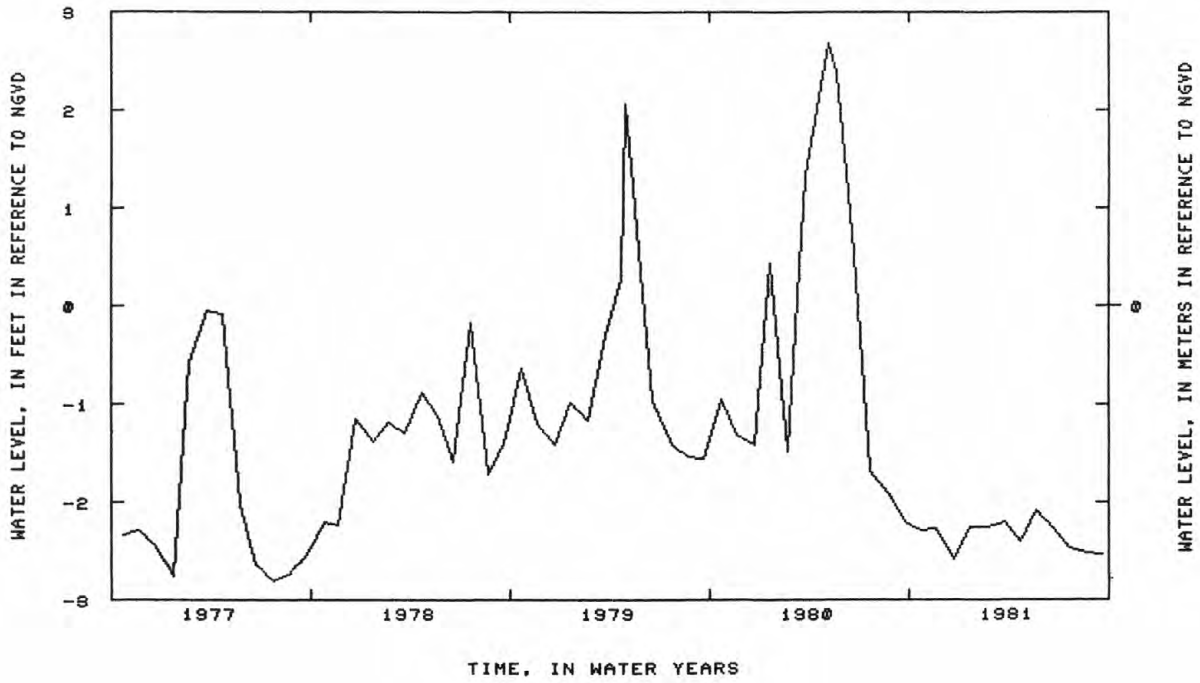


QUEENS COUNTY--Continued

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 1964 to current year. Unpublished records for October 1964 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD. --Highest water level measured, 2.69 ft (0.82 m) NGVD, May 6, 1980; lowest measured, -5.65 ft (-1.72 m) NGVD, Sep. 7, 1970.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	-2.29	DEC 22	-2.58	FEB 23	-2.25	APR 21	-2.40	JUN 22	-2.26	AUG 21	-2.51
NOV 21	-2.26	JAN 21	-2.25	MAR 23	-2.20	MAY 21	-2.09	JUL 21	-2.46	SEP 21	-2.53

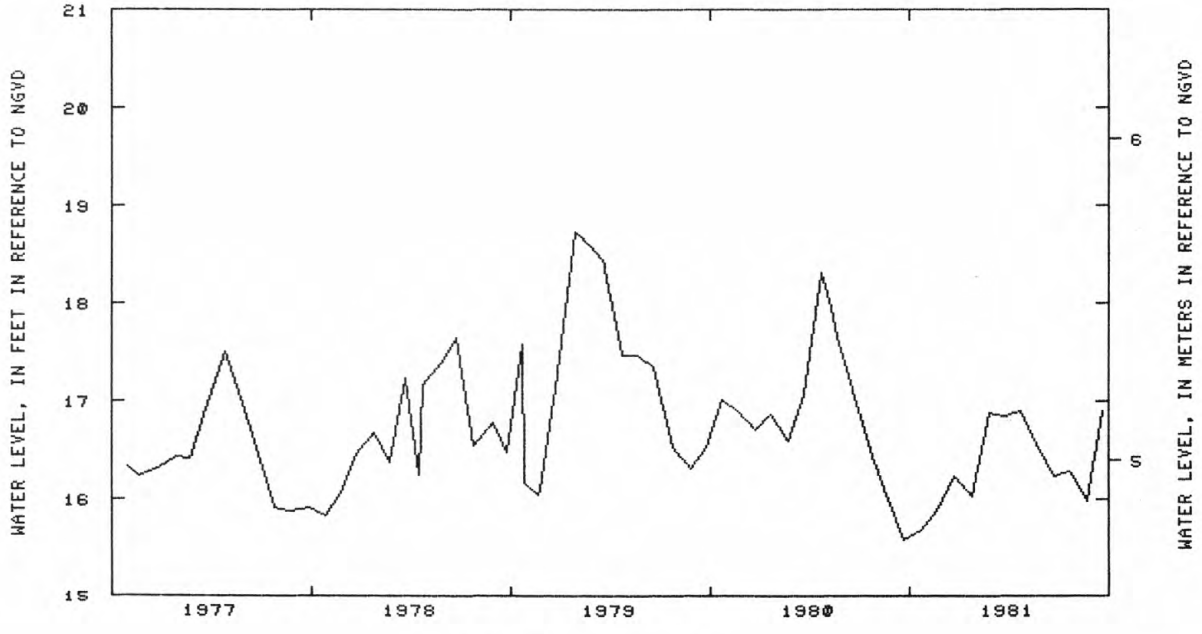


SUFFOLK COUNTY

404213073201001. Local number, S 1803.
LOCATION.--Lat 40°42'13", long 73°20'10", 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 1912 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, 18.74 ft (5.71 m) NGVD, Jan. 29, 1979; lowest measured, 13.06 ft (3.98 m) NGVD, July 26, 1976.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	15.68	DEC 23	16.23	FEB 25	16.88	APR 21	16.90	JUN 22	16.24	AUG 24	15.98
NOV 20	15.88	JAN 26	16.04	MAR 23	16.85	MAY 21	16.57	JUL 20	16.28	SEP 21	16.90

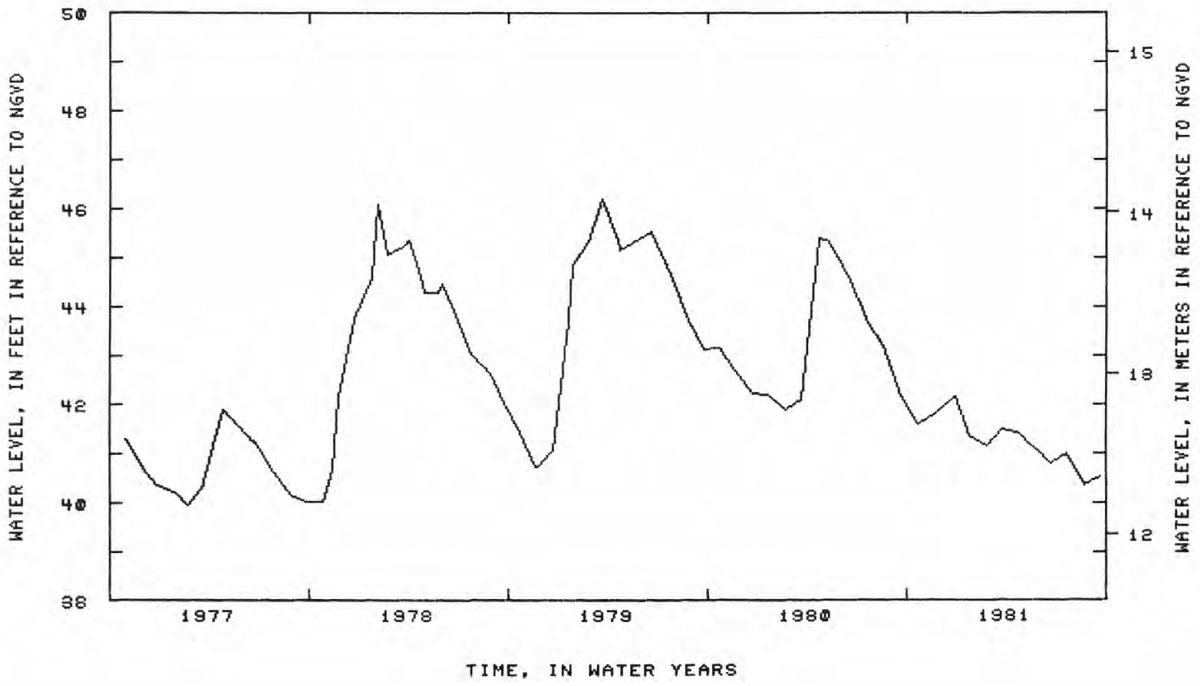


SUFFOLK COUNTY--Continued

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 58.2 ft (17.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.22 ft (1.06 m) above land-surface datum.
PERIOD OF RECORD. --October 1912 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, 46.19 ft (14.08 m) NGVD, Mar. 19, 1979; lowest measured, 35.79 ft (10.91 m) NGVD, Dec. 28, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

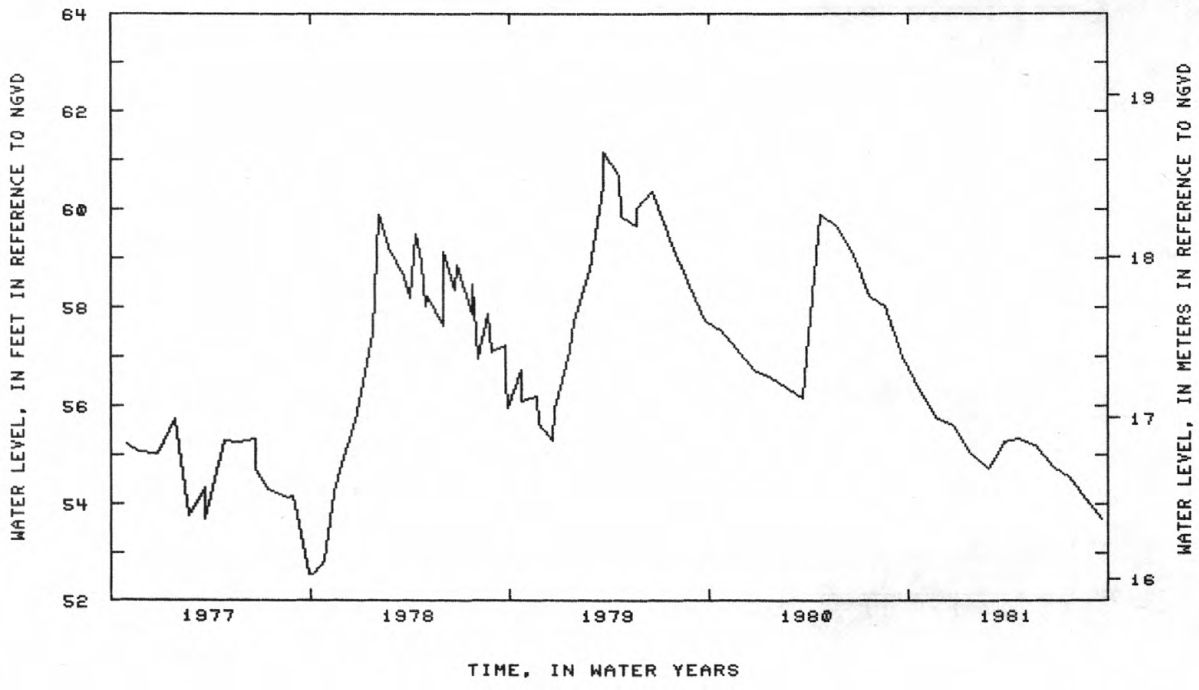
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	41.59	DEC 28	42.17	FEB 25	41.17	APR 21	41.42	JUN 22	40.79	AUG 24	40.37
NOV 20	41.80	JAN 26	41.38	MAR 23	41.49	MAY 21	41.13	JUL 20	41.00	SEP 21	40.52



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 1912 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 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	56.31	DEC 23	55.61	FEB 25	54.73	APR 21	55.33	JUN 22	54.78	AUG 24	54.09
NOV 20	55.76	JAN 26	55.05	MAR 23	55.28	MAY 21	55.21	JUL 20	54.58	SEP 21	53.69

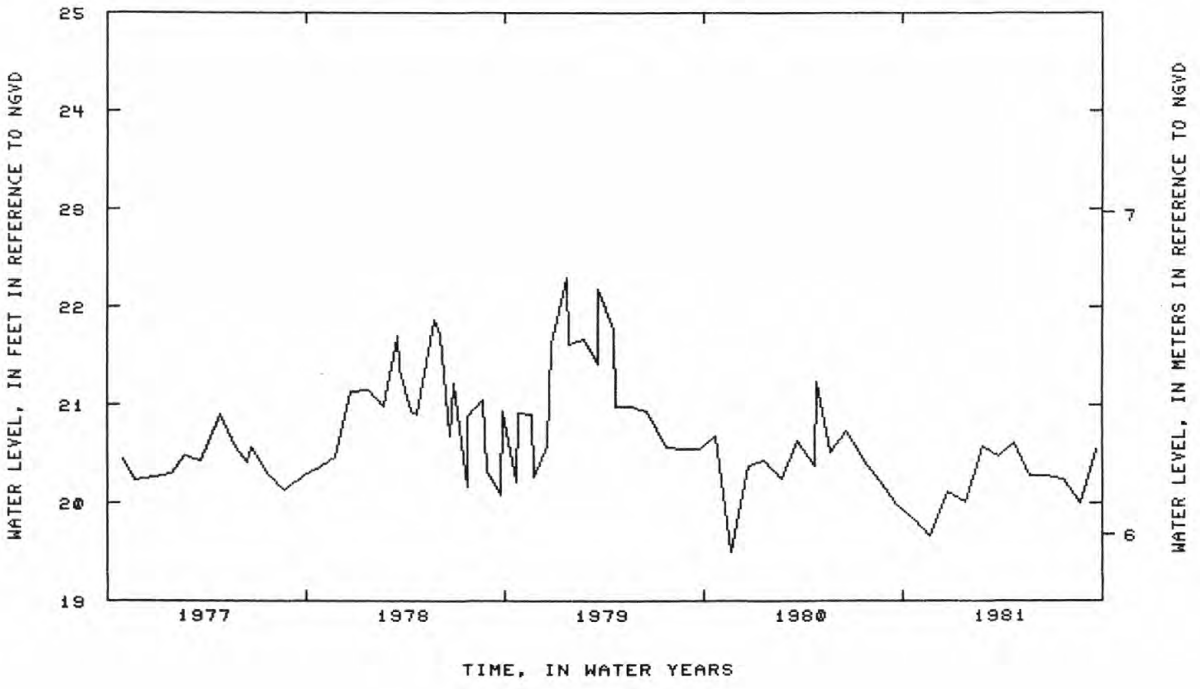


SUFFOLK COUNTY--Continued

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 1912 to current year. Unpublished records for October 1912 to November 1914, August 1932 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 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	19.84	DEC 23	20.11	FEB 25	20.59	APR 21	20.61	JUN 22	20.28	AUG 24	20.00
NOV 20	19.66	JAN 26	20.01	MAR 23	20.48	MAY 21	20.29	JUL 20	20.25	SEP 21	20.55

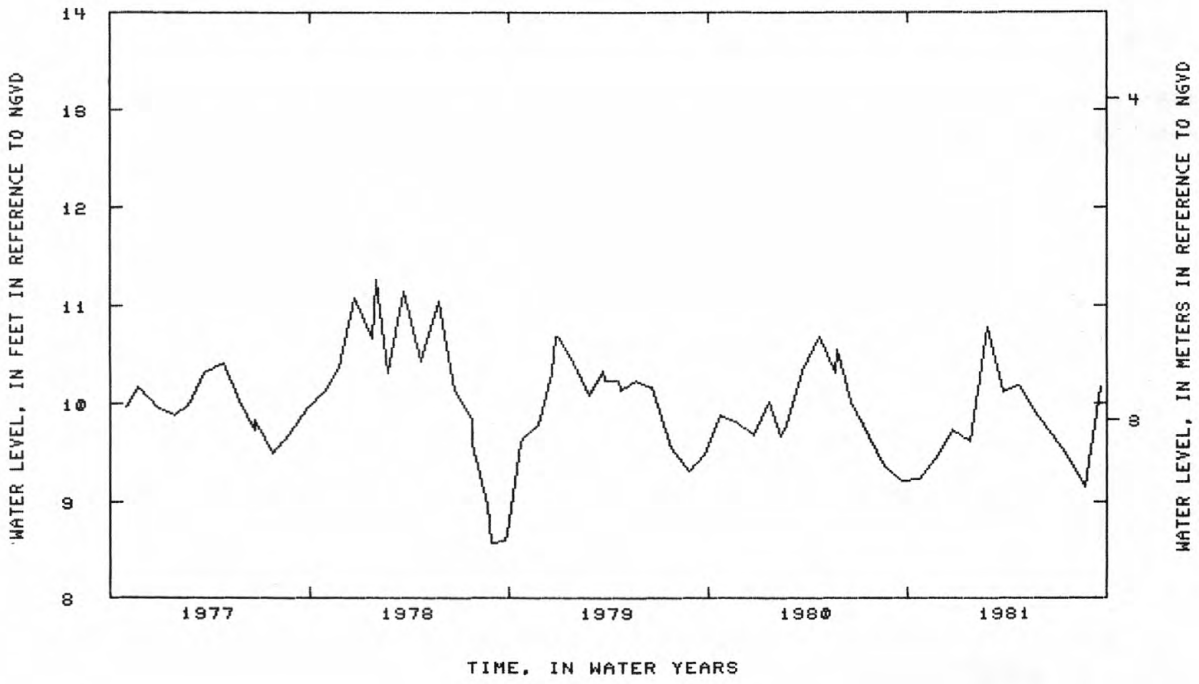


SUFFOLK COUNTY--Continued

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 1912 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 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	9.24	DEC 23	9.74	FEB 25	10.79	APR 21	10.19	JUN 22	9.68	AUG 24	9.15
NOV 21	9.44	JAN 26	9.62	MAR 23	10.11	MAY 21	9.92	JUL 20	9.47	SEP 21	10.16

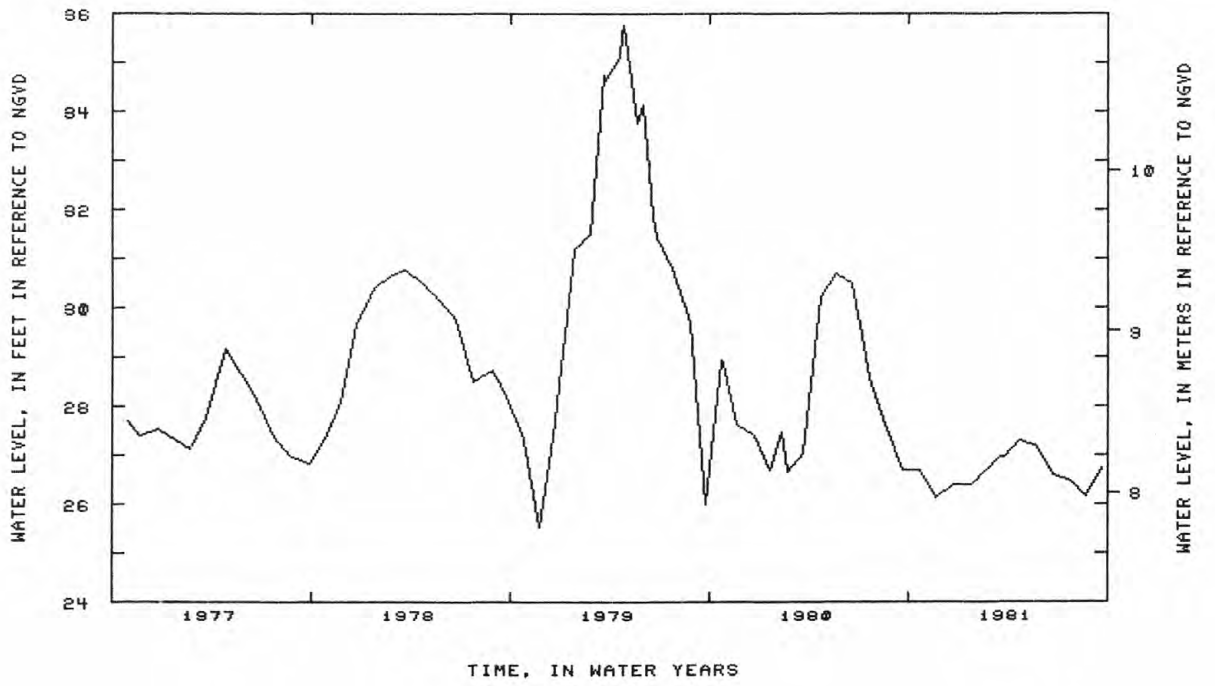


SUFFOLK COUNTY--Continued

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 1.2 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 1912 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, 35.77 ft (10.90 m) NGVD, Apr. 26, 1979; lowest measured, 25.00 ft (7.62 m) NGVD, Nov. 2, 1932.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	26.69	DEC 23	26.41	MAR 17	26.95	APR 21	27.30	JUN 22	26.61	AUG 24	26.15
NOV 20	26.13	JAN 26	26.40	23	26.98	MAY 21	27.20	JUL 20	26.50	SEP 21	26.73

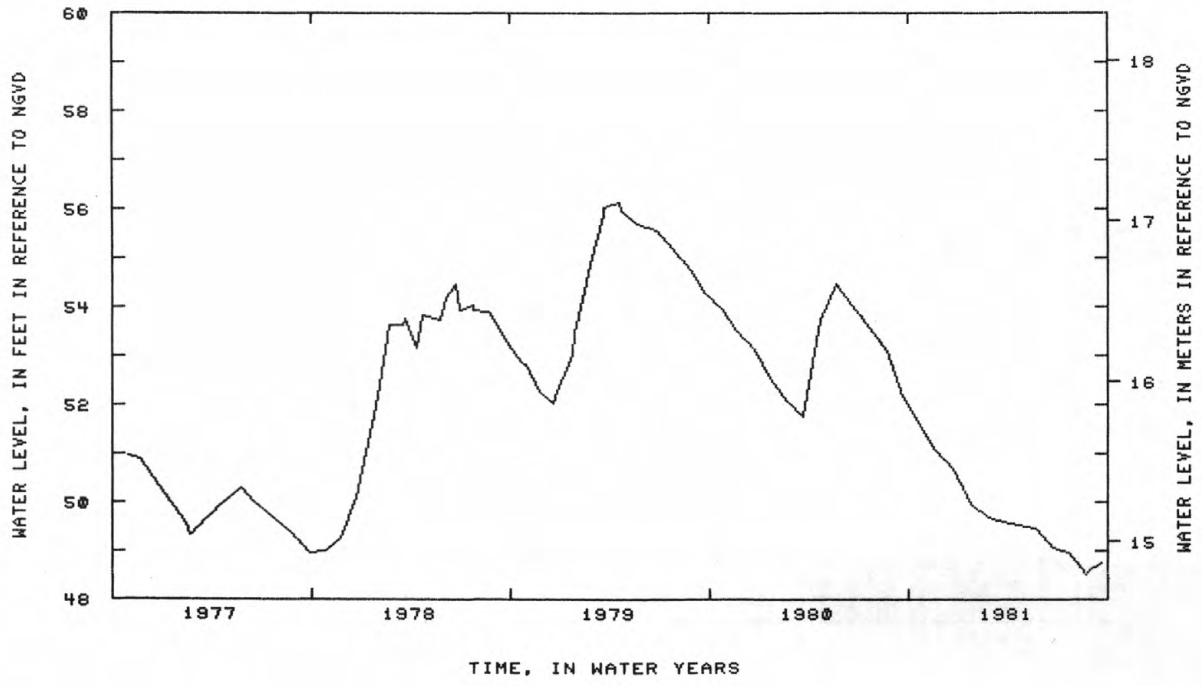


SUFFOLK COUNTY--Continued

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 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	51.58	DEC 23	50.70	FEB 25	49.71	APR 21	49.53	JUN 22	49.05	AUG 24	48.51
NOV 20	51.08	JAN 26	49.97	MAR 23	49.61	MAY 21	49.46	JUL 20	48.95	SEP 21	48.75

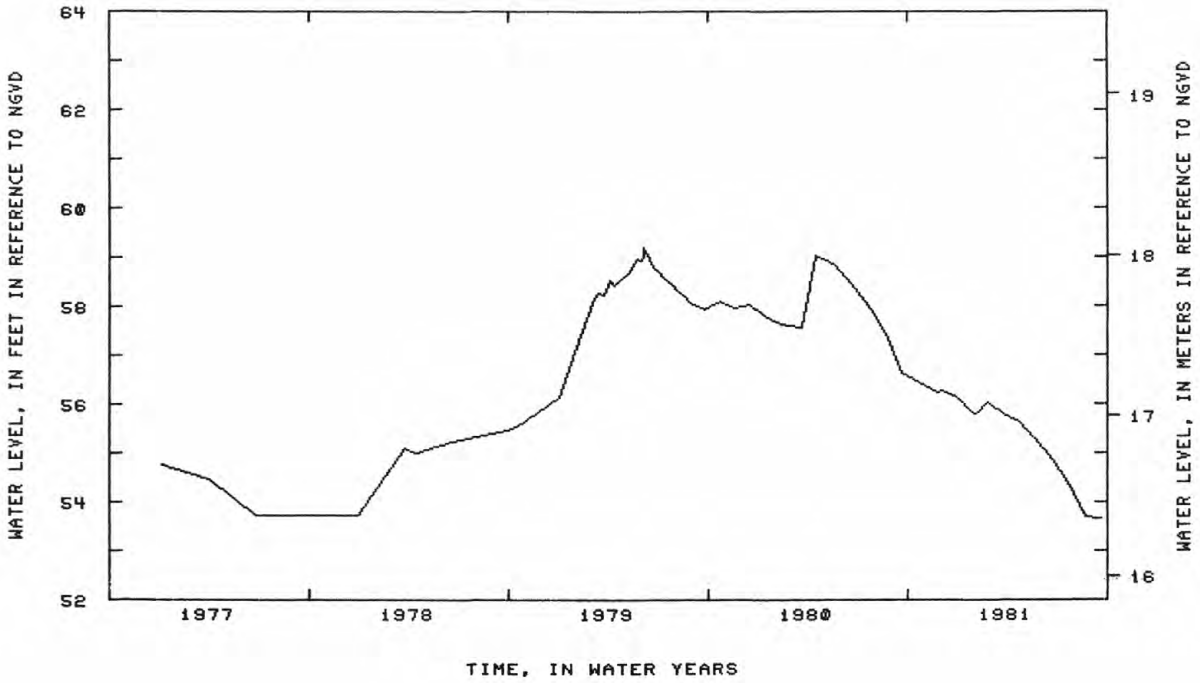


SUFFOLK COUNTY--Continued

404957073401. Local number, S 1811.
LOCATION. --Lat 40°49'57", long 73°07'34", Hydrologic Unit 02030202, at Shore Road, Lake Ronkonkoma. Owner: U.S. Geological Survey.
AQUIFER. --Upper Glacial.
WELL CHARACTERISTICS. --Drilled observation water-table well, diameter 2 in (0.05 m), depth 21.5 ft (7. m), screen assumed at bottom.
DATUM. --Land-surface datum is 58.15 ft (17.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.08 ft (0.33 m) above land-surface datum.
REMARKS. --Water-quality records for 1979 are published elsewhere in this report.
PERIOD OF RECORD. --April 1937 to current year. Unpublished records for April 1937 to September 1978 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD. --Highest water level measured 59.21 ft (18.05 m) NGVD, June 6, 1979, lowest measured, 50.63 ft (15.43 m) NGVD, Dec. 28, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 25	56.22	JAN 27	55.84	FEB 25	56.05	APR 21	55.63	JUN 22	54.87	AUG 24	53.71
DEC 5	56.28	FEB 4	55.79	MAR 23	55.79	MAY 21	55.30	JUL 20	54.39	SEP 21	53.68
29	56.13										

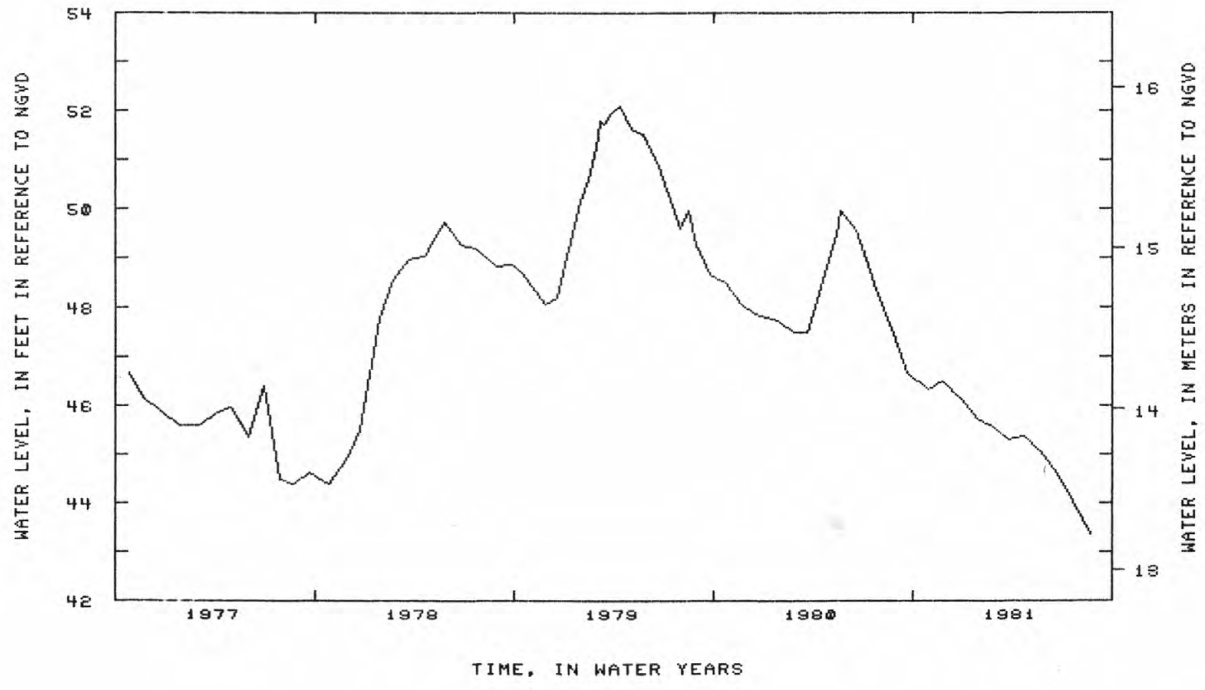


SUFFOLK COUNTY--Continued

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. --April 1937 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, 52.10 ft (15.88 m) NGVD, Apr. 10, 1979; lowest measured, 40.09 ft (12.22 m) NGVD, Feb. 27, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	46.34	DEC 29	46.13	FEB 25	45.58	APR 21	45.35	JUN 22	44.59	AUG 24	43.35
NOV 25	46.49	JAN 27	45.73	MAR 23	45.30	MAY 21	45.07	JUL 20	44.02		

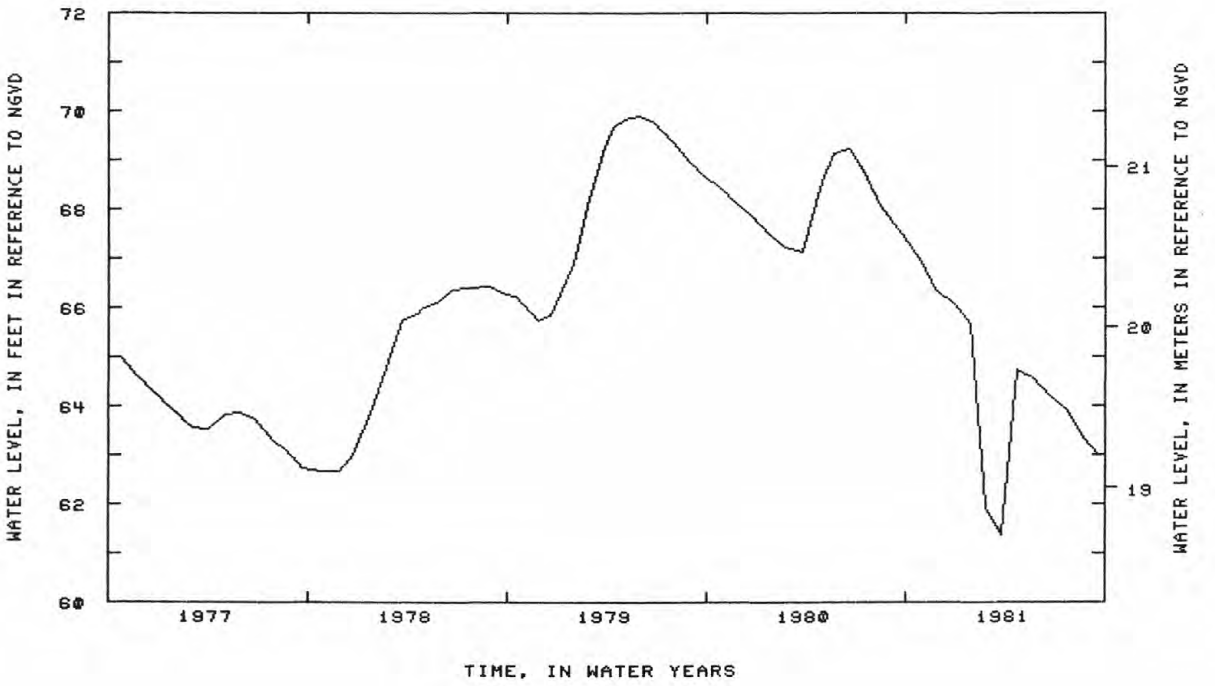


SUFFOLK COUNTY--Continued

40514607031801. Local number, S 3513.
LOCATION.--Lat 40°51'46", long 73°03'18", Hydrologic Unit 02030202, at State Highway 25 and High View Drive, Selden. 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, 69.91 ft (21.31 m) NGVD, May. 29, 1979; lowest measured, 56.06 ft (17.09 m) NGVD, Mar. 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	66.93	DEC 29	66.08	FEB 25	61.93	APR 21	64.74	JUN 22	64.20	AUG 24	63.34
NOV 25	66.38	JAN 27	65.66	MAR 23	61.38	MAY 21	64.58	JUL 20	63.92	SEP 21	63.01

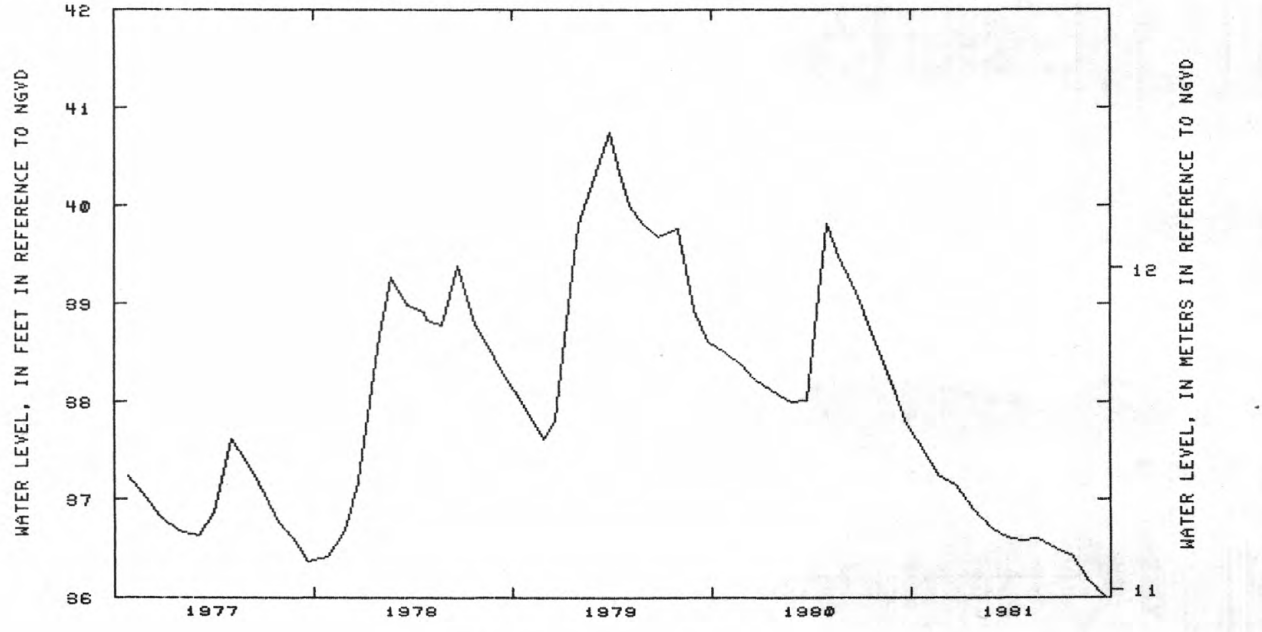


SUFFOLK COUNTY--Continued

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. --January 1907 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, 40.75 ft (12.42 m) NGVD, Mar. 27, 1979; lowest measured, 34.38 ft (10.48 m) NGVD, Oct. 26, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	37.46	DEC 23	37.15	FEB 25	36.71	APR 21	36.59	JUN 22	36.50	AUG 24	36.17
NOV 21	37.25	JAN 26	36.90	MAR 23	36.62	MAY 21	36.60	JUL 20	36.43	SEP 21	36.01

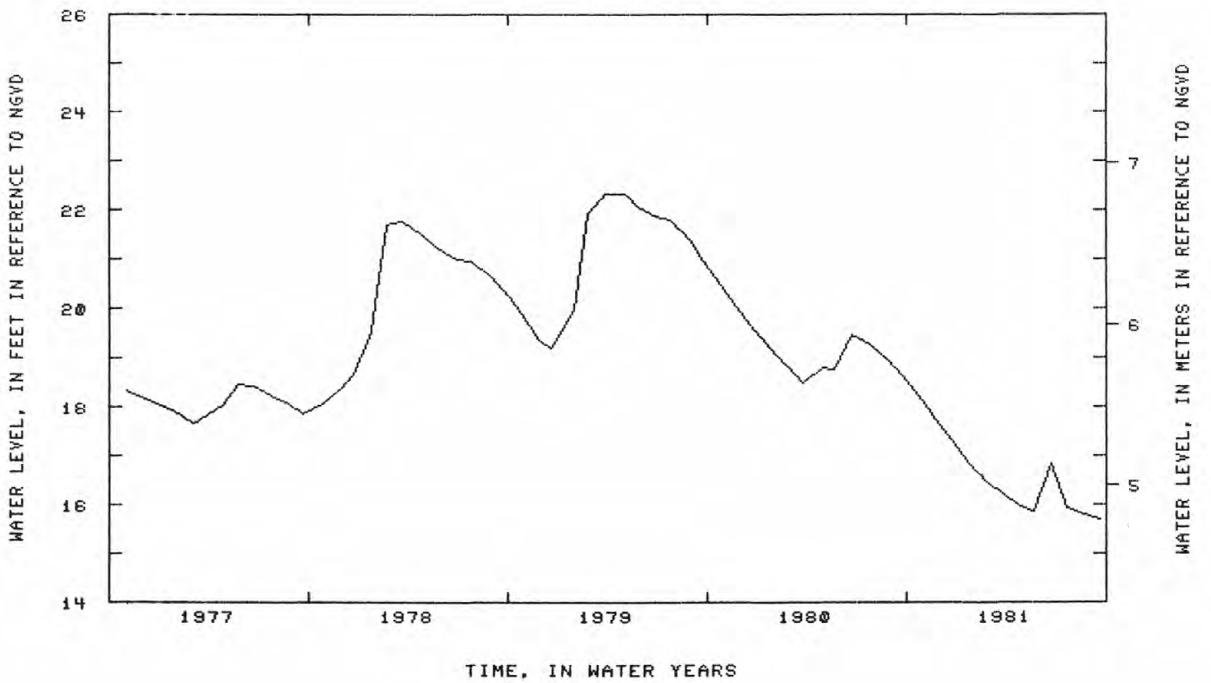


SUFFOLK COUNTY--Continued

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, 22.34 ft (6.81 m) NGVD, Mar. 27, 1979; lowest measured, 15.03 ft (4.58 m) NGVD, Jan. 26, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	18.14	DEC 23	17.34	FEB 25	16.47	APR 21	16.00	JUN 22	16.84	AUG 24	15.81
NOV 24	17.75	JAN 26	16.84	MAR 23	16.24	MAY 21	15.86	JUL 20	15.93	SEP 21	15.69

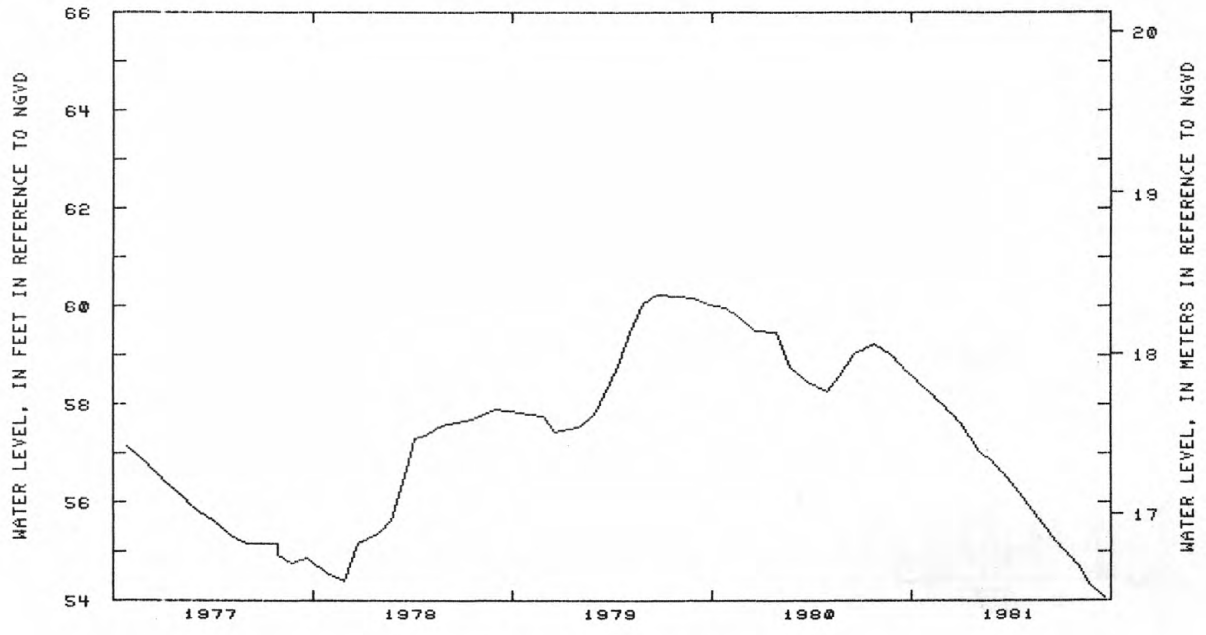


SUFFOLK COUNTY--Continued

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. --September 1944 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, 60.23 ft (18.36 m) NGVD, June 21, 1979; lowest measured, 48.01 ft (14.63 m) NGVD, Mar. 31, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	58.30	DEC 29	57.64	FEB 25	56.87	APR 21	56.09	JUN 22	55.19	AUG 24	54.34
NOV 25	58.03	FEB 4	57.05	MAR 23	56.50	MAY 21	55.67	JUL 30	54.75	SEP 21	54.07



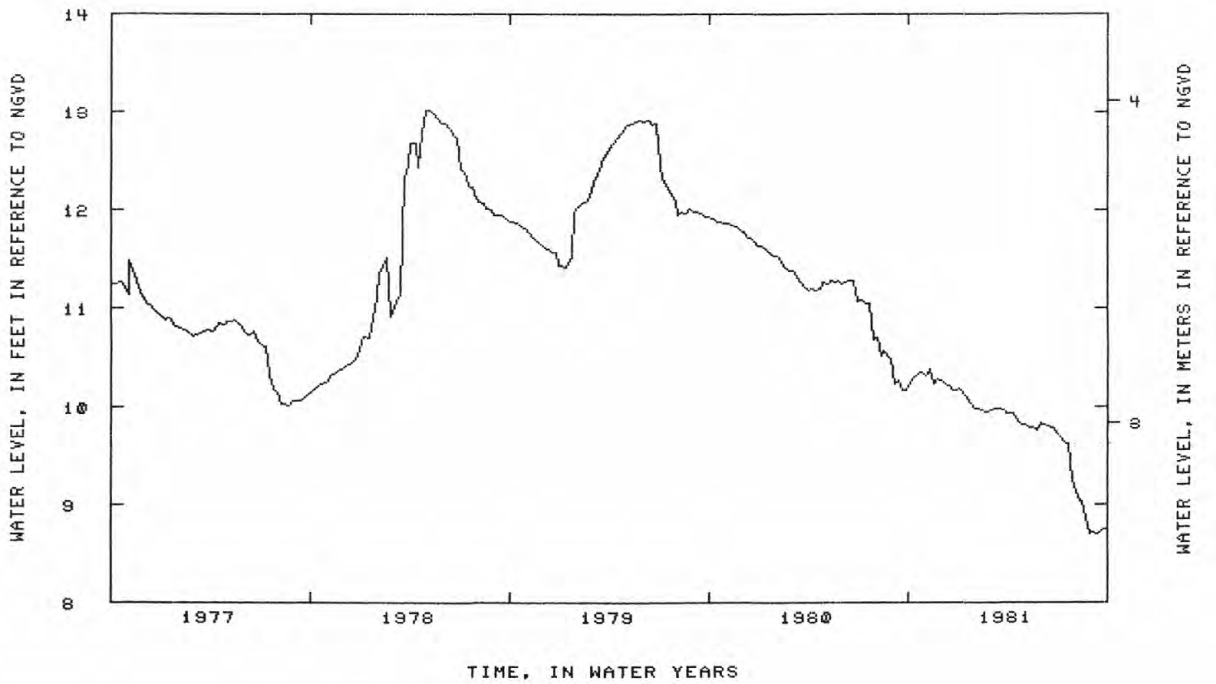
GROUND-WATER LEVELS

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 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 6	10.25 G	DEC 7	10.24 G	FEB 9	9.98 G	APR 12	9.94 G	JUN 15	9.80 G	AUG 10	9.03 G
13	10.30 G	15	10.22 G	15	9.96 G	20	9.85 G	21	9.79 G	17	9.04 G
20	10.33 G	21	10.17 G	23	9.95 G	26	9.81 G	29	9.71 G	24	8.87 G
26	10.35 G	29	10.16 G	MAR 1	9.96 G	MAY 4	9.82 G	JUL 5	9.69 G	30	8.70 G
NOV 3	10.32 G	JAN 4	10.18 G	9	9.99 G	10	9.79 G	13	9.64 G	SEP 7	8.72 G
9	10.38 G	12	10.11 G	15	9.99 G	18	9.78 G	19	9.61 G	13	8.70 G
17	10.24 G	19	10.05 G	23	9.97 G	24	9.75 G	27	9.25 G	21	8.74 G
23	10.29 G	26	10.03 G	29	9.94 G	JUN 1	9.83 G	AUG 2	9.18 G	27	8.75 G
DEC 1	10.26 G	FEB 1	9.99 G	APR 6	9.93 G	7	9.82 G				



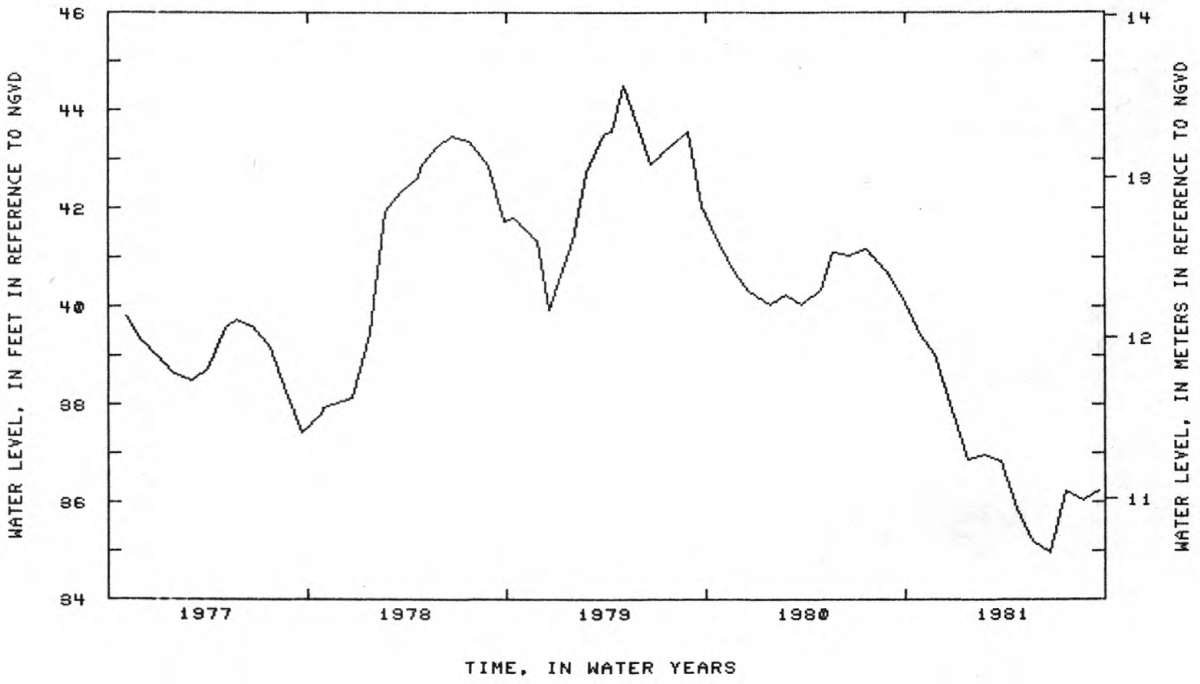
G MEASUREMENT BY ANOTHER AGENCY

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, June 25, 1958; lowest measured, 33.34 ft (10.16 m) NGVD, Mar. 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

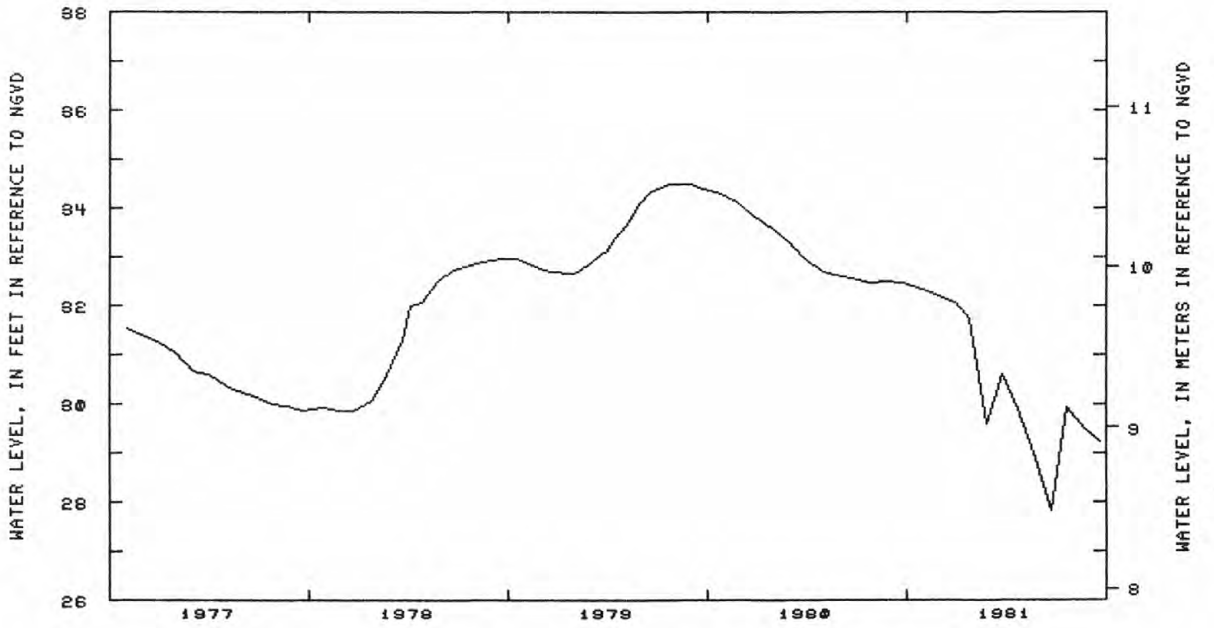
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	39.41	DEC 29	37.78	FEB 25	36.96	APR 21	35.86	JUN 22	34.96	AUG 24	36.02
NOV 25	39.04	JAN 26	36.88	MAR 23	36.84	MAY 21	35.21	JUL 20	36.24	SEP 21	36.22



405650725418O1. 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. --November 1948 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, 34.49 ft (10.51 m) NGVD, July 26, Aug. 28, 1979; lowest measured, 25.15 ft (7.67 m) NGVD, Dec. 28, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	32.33	DEC 29	32.06	FEB 25	29.61	APR 21	29.90	JUN 22	27.82	AUG 24	29.50
NOV 25	32.23	JAN 26	31.75	MAR 23	30.61	MAY 21	28.99	JUL 20	29.94	SEP 21	29.23



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, 36.11 ft (11.01 m) NGVD, July 12, 1979; lowest measured, 28.74 ft (8.76 m) NGVD, Mar. 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 20	31.11	MAR 30	30.41	JUN 17	30.11						

SUFFOLK COUNTY--Continued

405223072523402. Local number, S 6455.
LOCATION.--Lat 40°52'23", long 72°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.

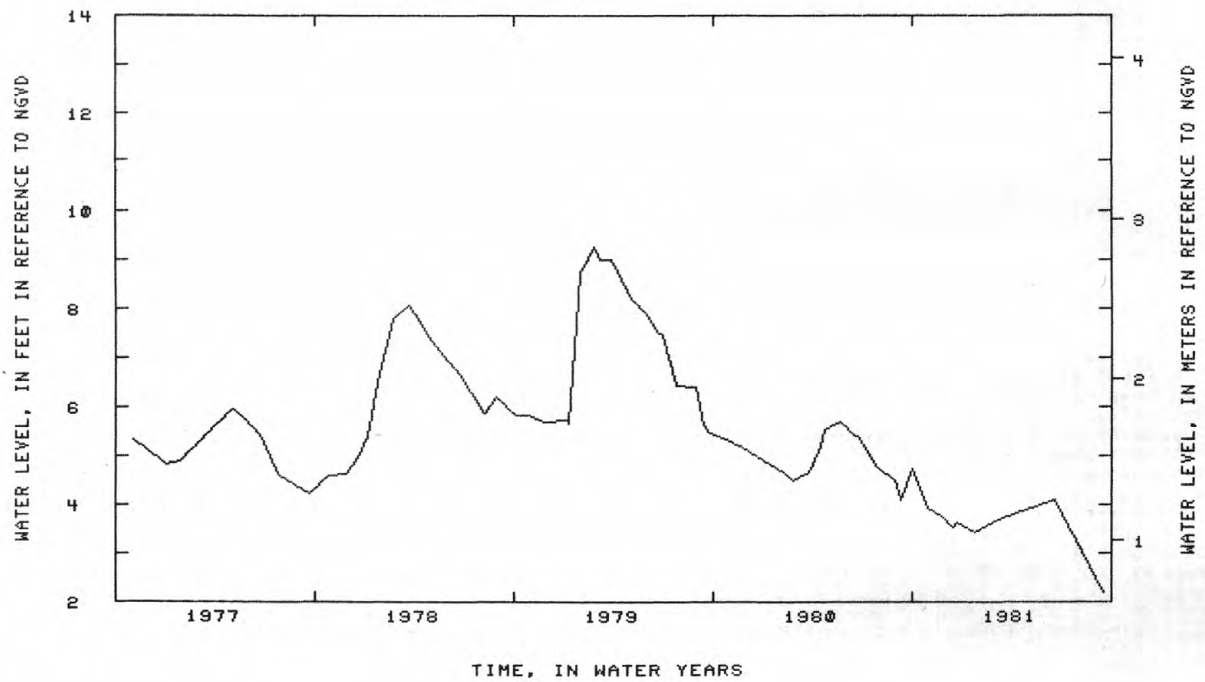
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 1	38.54	JAN 20	37.31	MAR 30	37.31	JUN 17	36.71				

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, 9.28 ft (2.83 m) NGVD, Feb. 27, 1979; lowest measured, 2.19 ft (0.67 m) NGVD, Sept. 18, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 1	4.72	NOV 24	3.77	DEC 23	3.62	MAR 5	3.69 G	JUN 18	4.11	SEP 18	2.19
29	3.94	DEC 17	3.53 G	JAN 26	3.45						



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.

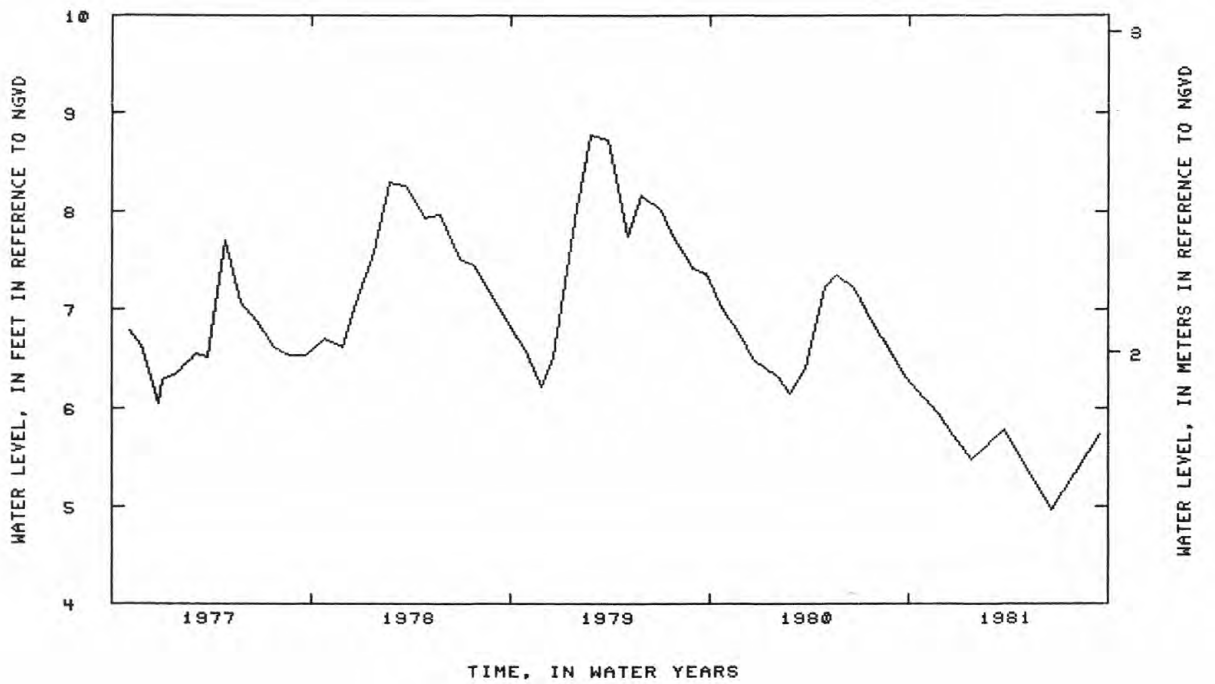
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 22	14.34	MAR 17	14.48	JUN 25	13.90	SEP 17	13.35				

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 1974-77 are available in files of Long Island Sub-district office.
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 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	6.10	DEC 23	5.72	JAN 26	5.49	MAR 24	5.78	JUN 18	4.97	SEP 18	5.74
NOV 24	5.95										

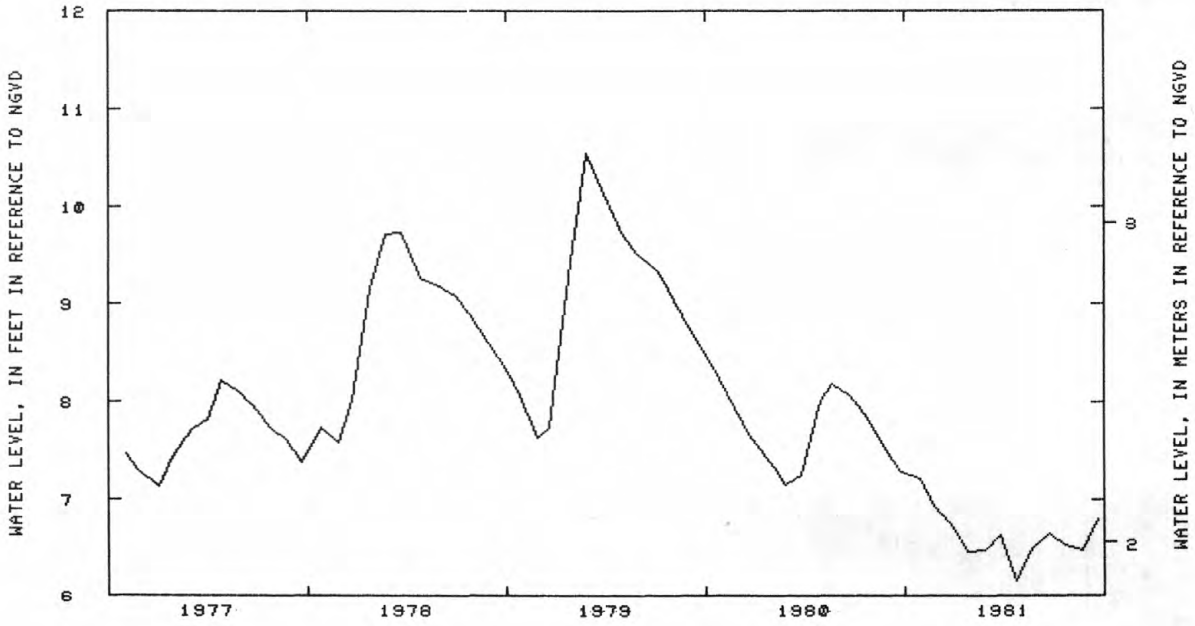


SUFFOLK COUNTY--Continued

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.--August 1950 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, 10.55 ft (3.22 m) NGVD, Feb. 27, 1979; lowest measured, 6.10 ft (1.86 m) NGVD, Oct. 27, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 29	7.21	DEC 23	6.76	FEB 25	6.48	APR 21	6.16	JUN 22	6.65	AUG 24	6.49
NOV 24	6.93	JAN 26	6.46	MAR 23	6.63	MAY 21	6.50	JUL 20	6.54	SEP 21	6.80



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.
PERIOD 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, 9.50 ft (2.90 m) NGVD, Mar. 19, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 27	9.70	MAR 19	9.50	JUN 23	9.66	SEP 15	9.57				

405843072352901. Local number, S 16756-1.
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.--September 1958 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, 10.06 ft (3.07 m) NGVD, Mar. 30, 1979; lowest measured, 4.21 ft (1.28 m) NGVD, Aug. 31, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 15	6.25	JAN 15	5.81	MAR 31	5.90	JUN 18	5.63	SEP 15	4.95		

410856072171501. Local number, S 16787.
LOCATION.--Lat 41°08'56", long 72°17'15", 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, 4.57 ft (1.39 m) NGVD, Mar. 29, 1979; lowest measured, 1.12 ft (0.34 m) NGVD, Aug. 8, 1966 .

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

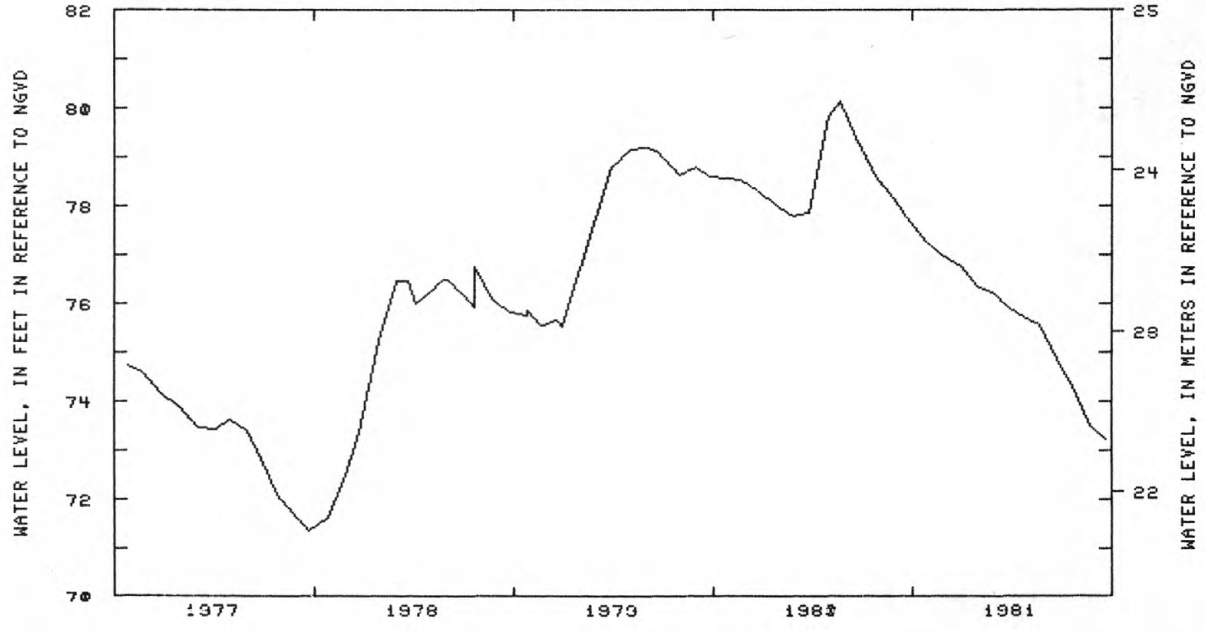
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 1	2.12	JAN 15	1.91	MAR 31	2.67	JUN 18	2.22	SEP 15	1.88		

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 of 1929. Measuring point: Top of casing, 0.04 ft (0.01 m) below land-surface datum.
PERIOD OF RECORD. --July 1958 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, 80.14 ft (24.43 m) NGVD, May. 21, 1980; lowest measured, 66.95 ft (20.40 m) above NGVD, Oct. 20, 1971.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

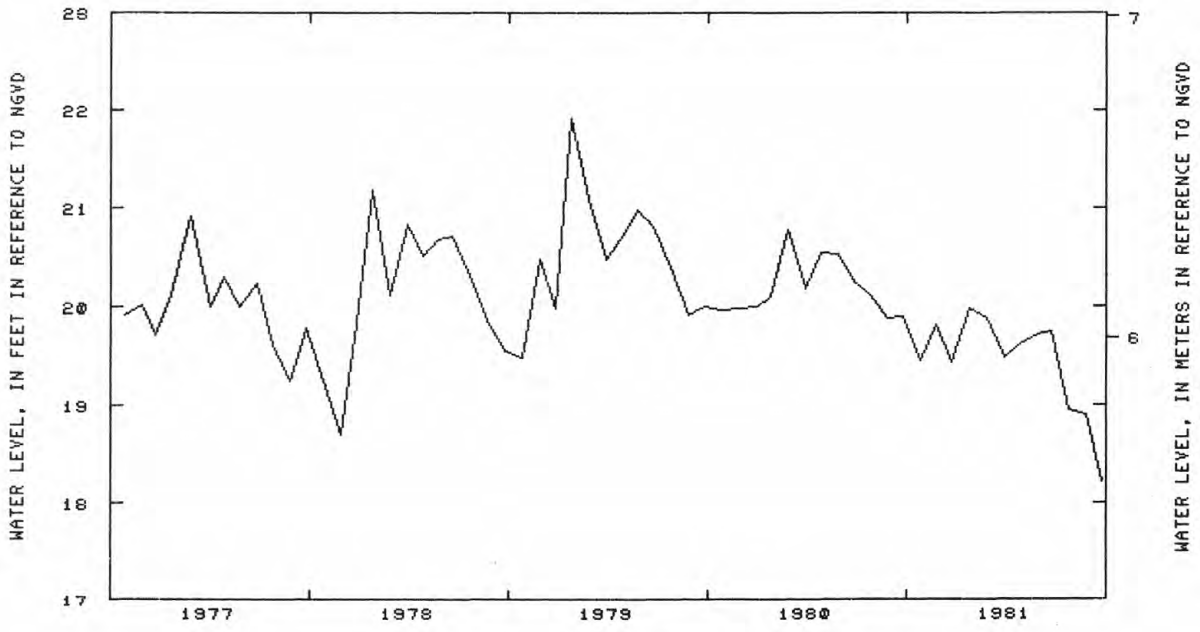
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	77.28	DEC 29	76.78	FEB 25	76.24	APR 21	75.72	JUN 22	74.85	AUG 24	73.51
NOV 23	77.00	JAN 27	76.36	MAR 23	75.94	MAY 21	75.57	JUL 20	74.31	SEP 21	73.22



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.--June 1962 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 1980 TO SEPTEMBER 1981

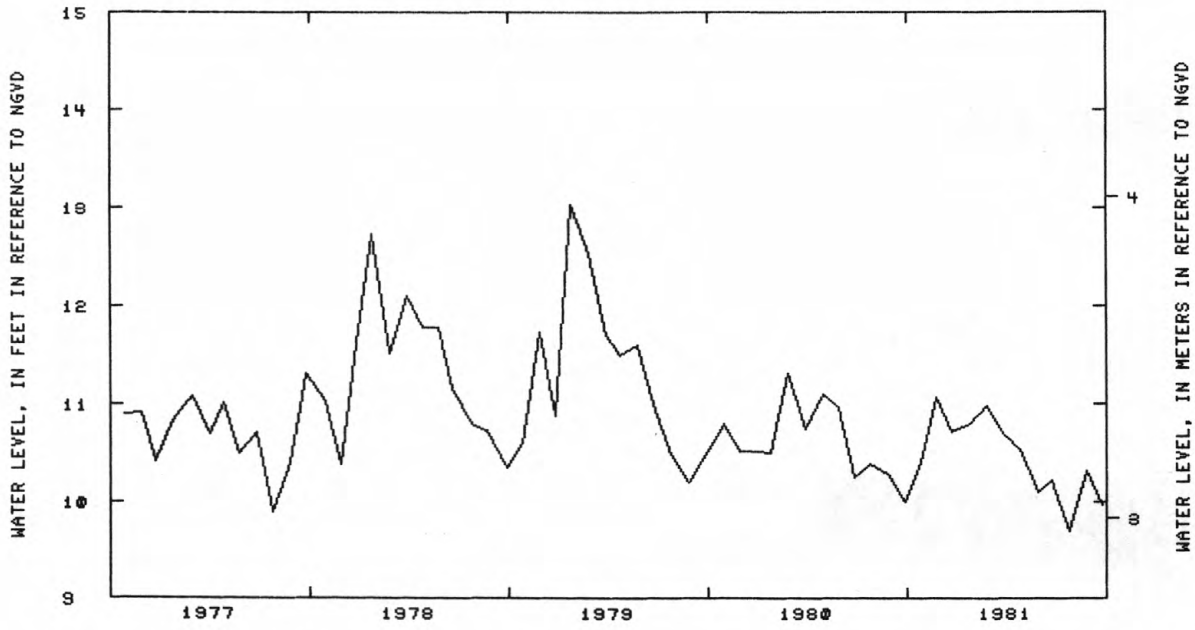
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	19.45	DEC 23	19.44	FEB 26	19.89	APR 27	19.62	JUN 22	19.75	AUG 25	18.90
NOV 25	19.82	JAN 23	19.99	MAR 27	19.49	MAY 28	19.71	JUL 24	18.95	SEP 24	18.21



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 (6.0 m) above land-surface datum.
REMARKS.--Water-quality records for 1965 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--June 1962 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, 13.04 ft (3.97 m) NGVD, Jan. 25, 1979; lowest measured, 5.35 ft (1.63 m) above NGVD, Feb. 23, 1972.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	10.40	DEC 23	10.71	FEB 26	10.99	APR 27	10.54	JUN 22	10.21	AUG 25	10.31
NOV 25	11.06	JAN 24	10.80	MAR 25	10.70	MAY 28	10.10	JUL 25	9.70	SEP 24	9.96

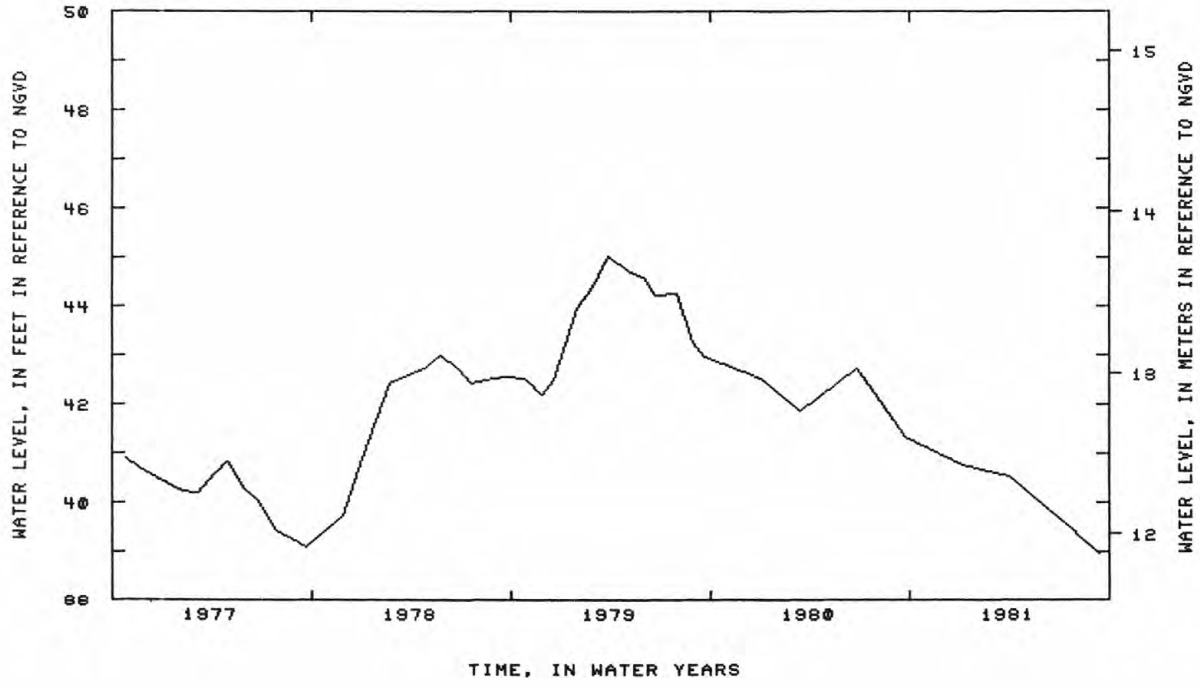


SUFFOLK COUNTY--Continued

404902073094001. Local number, S 22577.
LOCATION.--Lat 40°49'02", long 73°09'40", Hydrologic Unit 02030202, at L. I. Motor Parkway, near Nichols 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.--August 1964 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, 45.04 ft (13.73 m) NGVD, Mar. 28, 1979; lowest measured, 36.19 ft (11.03 m) above NGVD, Mar. 2, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 5	40.77	MAR 30	40.54	JUN 15	39.83	SEP 14	38.95				

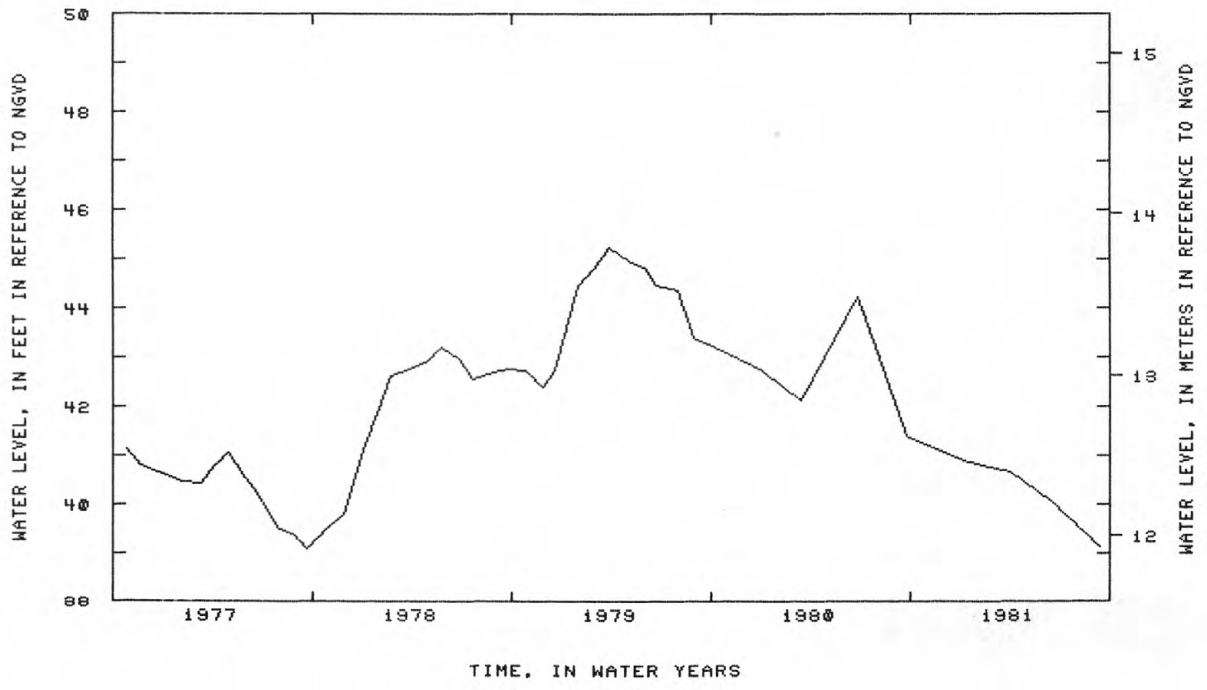


SUFFOLK COUNTY--Continued

404902073094002. Local number, S 22578.
LOCATION. --Lat 40°49'02", long 73°09'40", Hydrologic Unit 02030202, at L. I. Motor Parkway, near Nichols Road, Hauppauge. Owner: U.S. Geological Survey.
AQUIFER. --Magothy.
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. --August 1964 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, 45.25 ft (13.79 m) NGVD, Mar. 28, 1979; lowest measured, 36.35 ft (11.08 m) NGVD, Mar. 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 5	40.91	MAR 30	40.65	JUN 15	40.07	SEP 14	39.12				

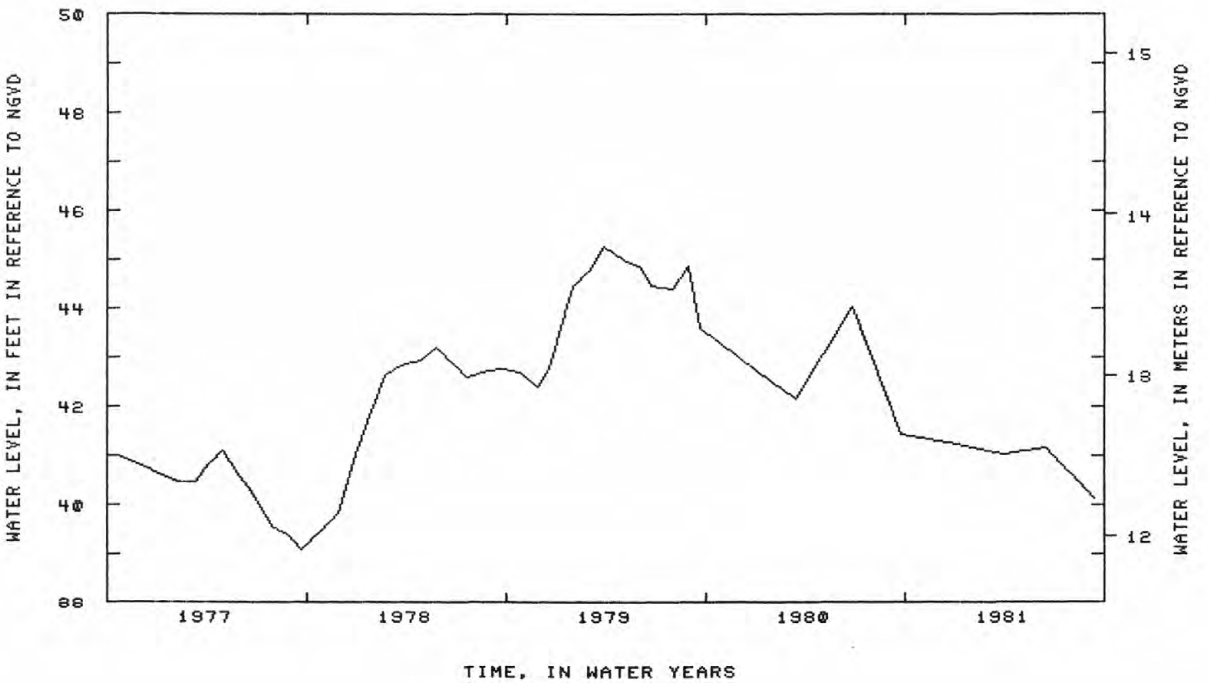


SUFFOLK COUNTY--Continued

404902073094003. Local number, S 22579.
LOCATION. --Lat 40°49'02", long 73°09'40", Hydrologic Unit 02030202, at L. I. Motor Parkway, near Nichols 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. --August 1964 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, 45.26 ft (13.80 m) NGVD, Mar. 27, 1979, lowest measured, 36.40 ft (11.09 m) NGVD, Mar. 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 5	41.24	MAR 30	41.05	JUN 15	41.16	SEP 14	40.13				

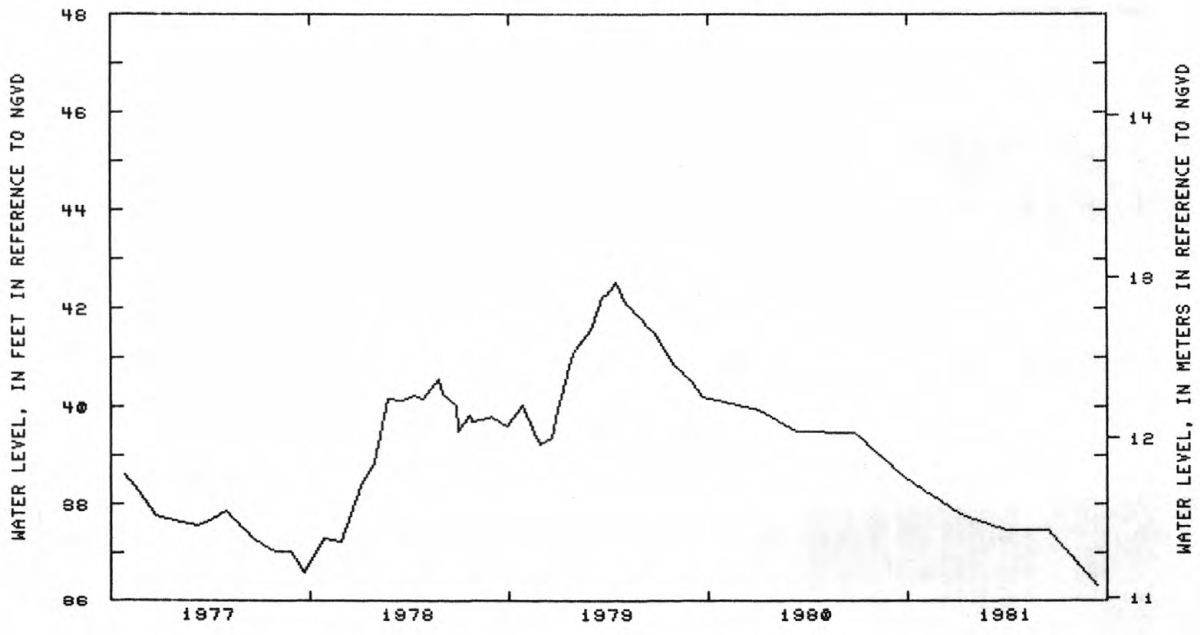


SUFFOLK COUNTY--Continued

404828073114002. Local number, S 22580.
LOCATION. --Lat 40°48'28", long 73°11'40", Hydrologic Unit 02030202, at Long Island Expressway Service Road and L. I. Motor 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. --May 1964 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, 42.55 ft (12.97 m) NGVD, Apr. 17, 1979; lowest measured, 34.01 ft (10.37 m) NGVD, Jan. 27, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

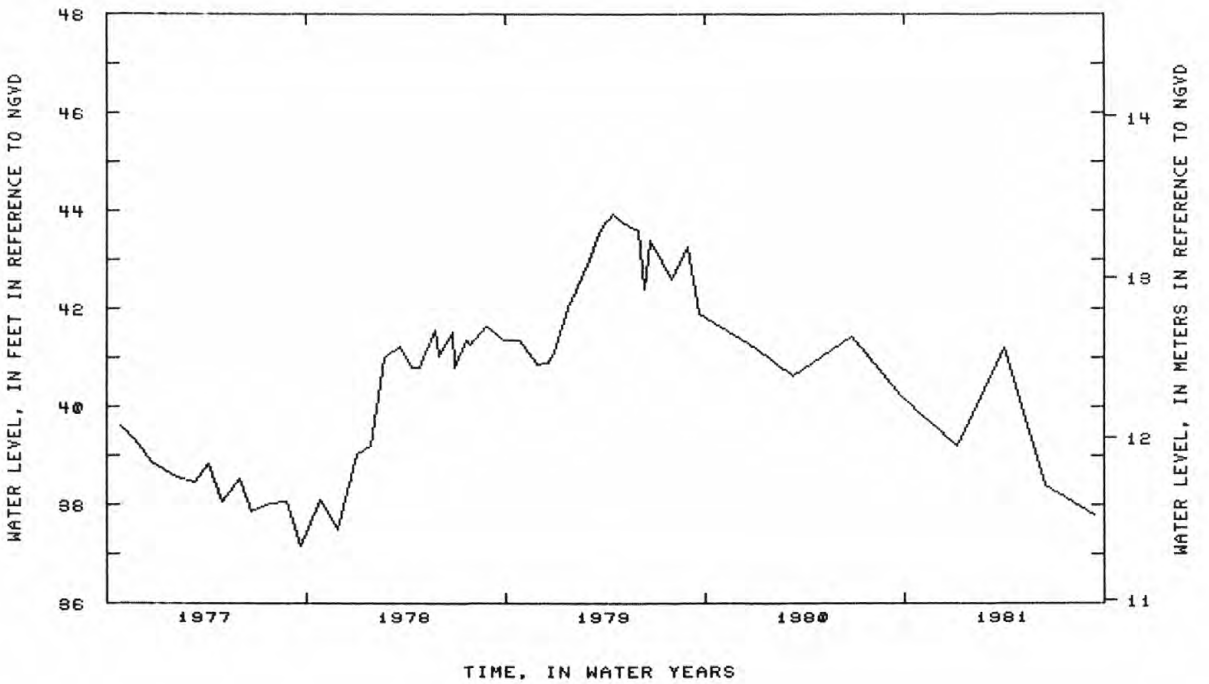
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 5	37.81	MAR 30	37.46	JUN 16	37.45	SEP 14	36.33				



404828073114003. Local number, S 22581.
LOCATION. --Lat 40°48'28", long 73°11'40", Hydrologic Unit 02030202, at Long Island Expressway Service Road and L. I. Motor 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 (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. --August 1964 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, 43.93 ft (13.39 m) NGVD, Apr. 17, 1979; lowest measured, 34.21 ft (10.43 m) NGVD, Jan. 27, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 5	39.20	MAR 30	41.21	JUN 16	38.41	SEP 14	37.80				

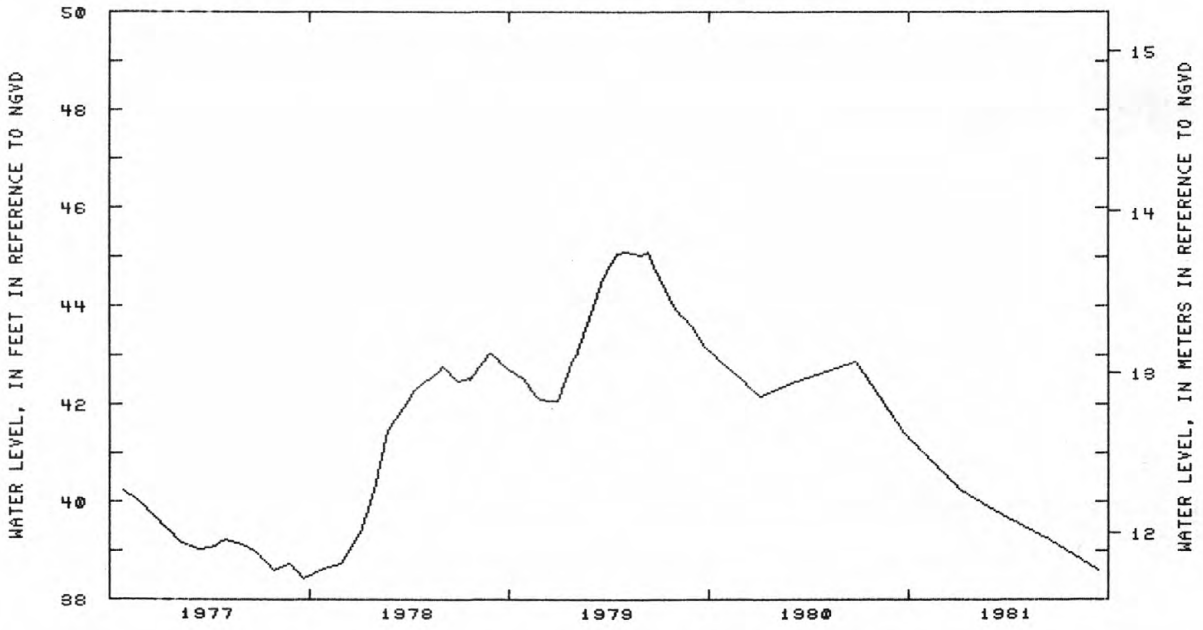


SUFFOLK COUNTY--Continued

404828073114004. Local number, S 22582.
LOCATION. --Lat 40°48'28", long 73°11'40", Hydrologic Unit 02030202, at Long Island Expressway Service Road and L. I. Motor 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. --August 1964 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, 45.11 ft (13.75 m) NGVD, May 2 and June 12, 1979; lowest measured, 34.74 ft (10.59 m) NGVD, Jan. 27, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 5	40.24	MAR 30	39.65	JUN 16	39.22	SEP 14	38.60				

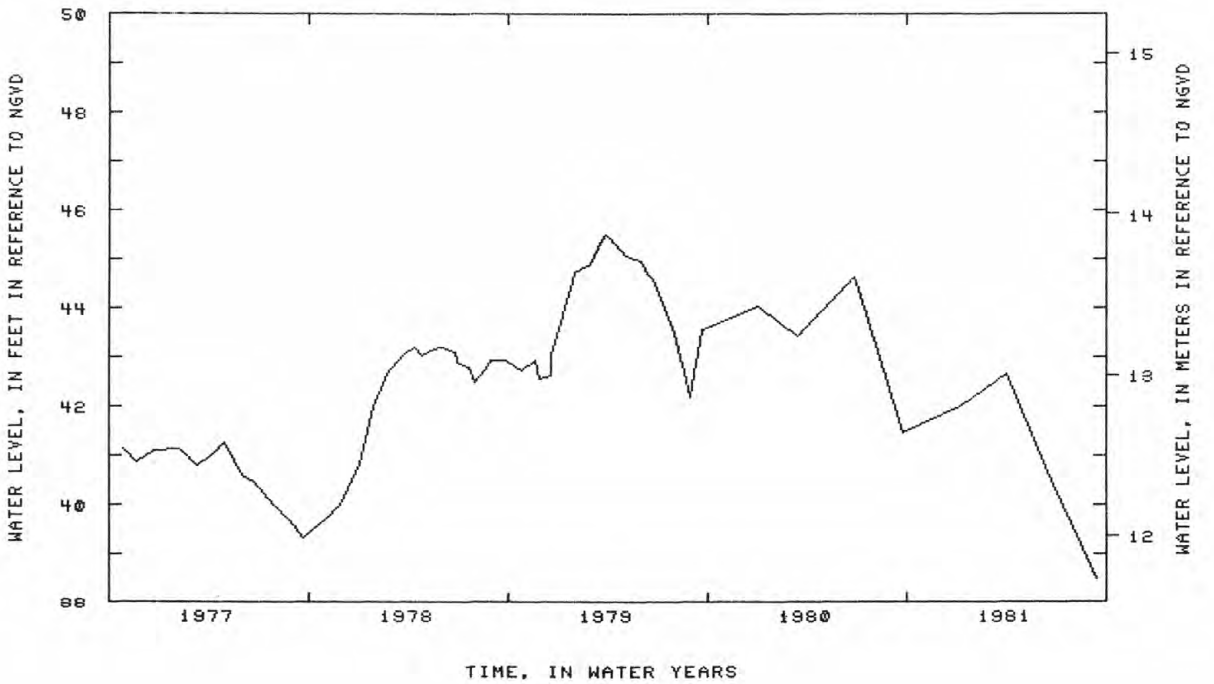


SUFFOLK COUNTY--Continued

404902073094004. Local number, S 23133.
LOCATION. --Lat 40°49'02", long 73°09'40", Hydrologic Unit 02030202, at L. I. Motor Parkway, near Nichols 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. --August 1964 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, 45.50 ft (13.87 m) NGVD, Mar. 28, 1979; lowest measured, 35.66 ft (10.87 m) NGVD, Nov. 30, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 5	41.99	MAR 30	42.66	JUN 15	40.65	SEP 14	38.49				

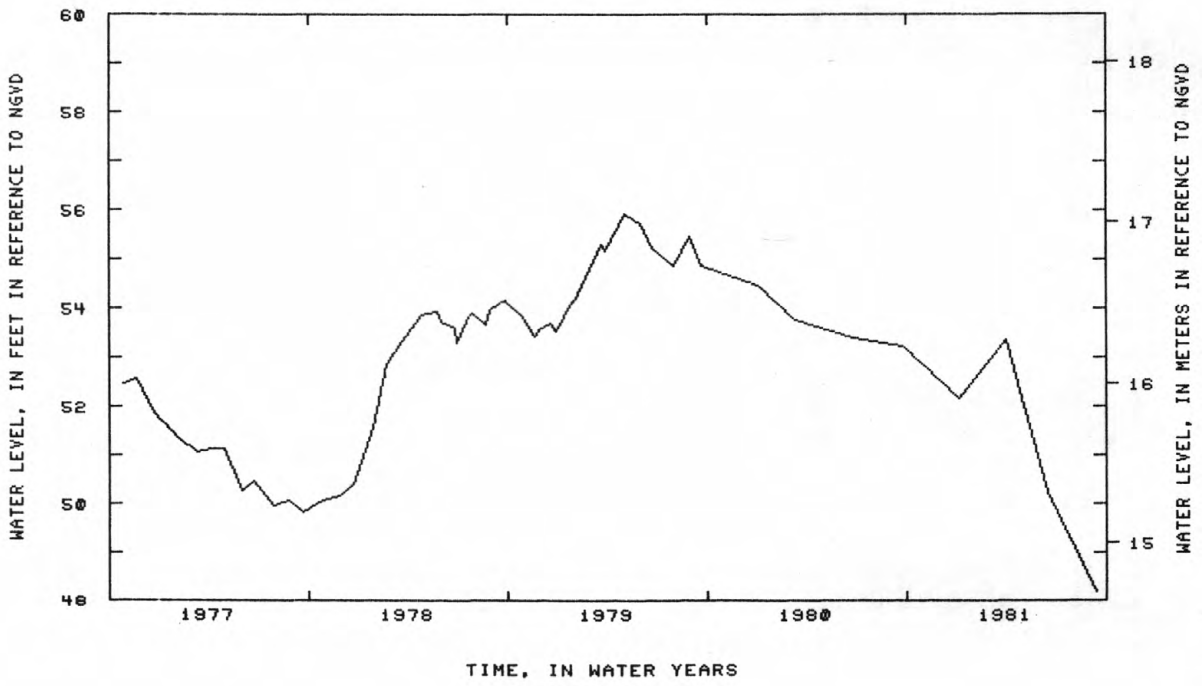


SUFFOLK COUNTY--Continued

404809073160301. 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 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.--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, 55.93 ft (17.05 m) NGVD, May 2, 1979; lowest measured, 45.31 ft (13.81 m) NGVD, Mar. 7, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

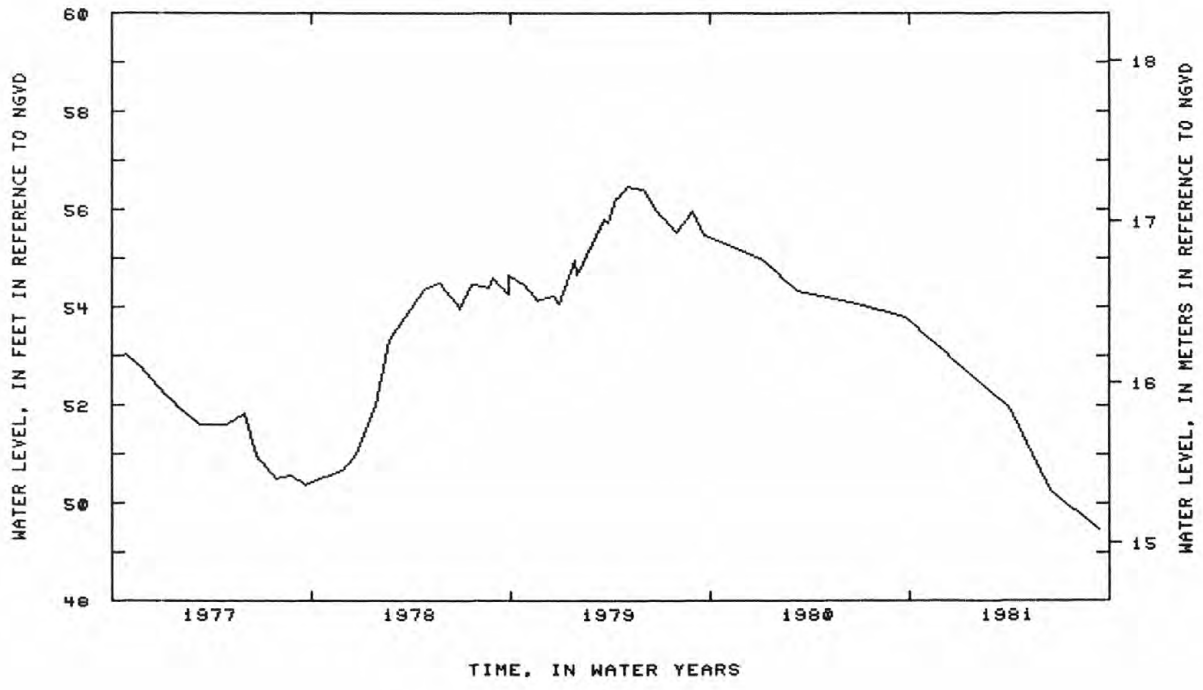
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 5	52.15	MAR 30	53.38	JUN 16	50.25	SEP 15	48.21				



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.--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, 56.48 ft (17.22 m) NGVD, May 2, 1979; lowest measured, 45.66 ft (13.92 m) NGVD, Mar. 7, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 5	52.76	MAR 30	51.98	JUN 16	50.28	SEP 15	49.48				

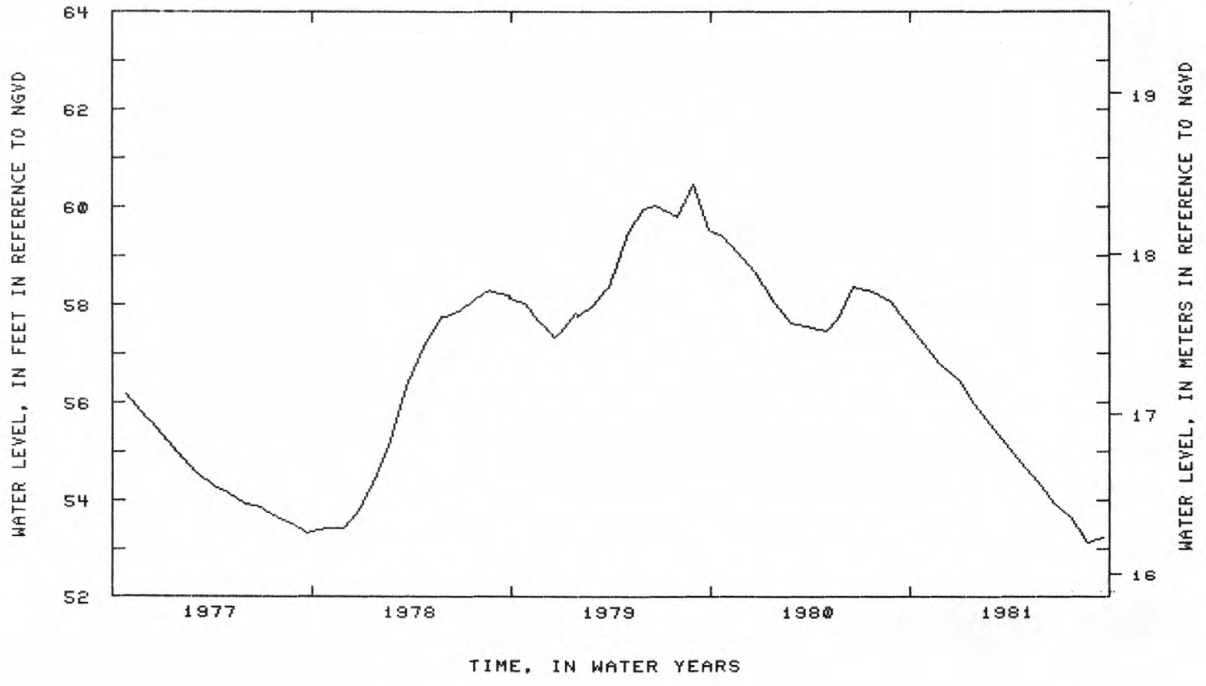


SUFFOLK COUNTY--Continued

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, 60.46 ft (18.43 m) NGVD, Aug. 28, 1979; lowest measured, 43.50 ft (13.26 m) NGVD, Nov. 30, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

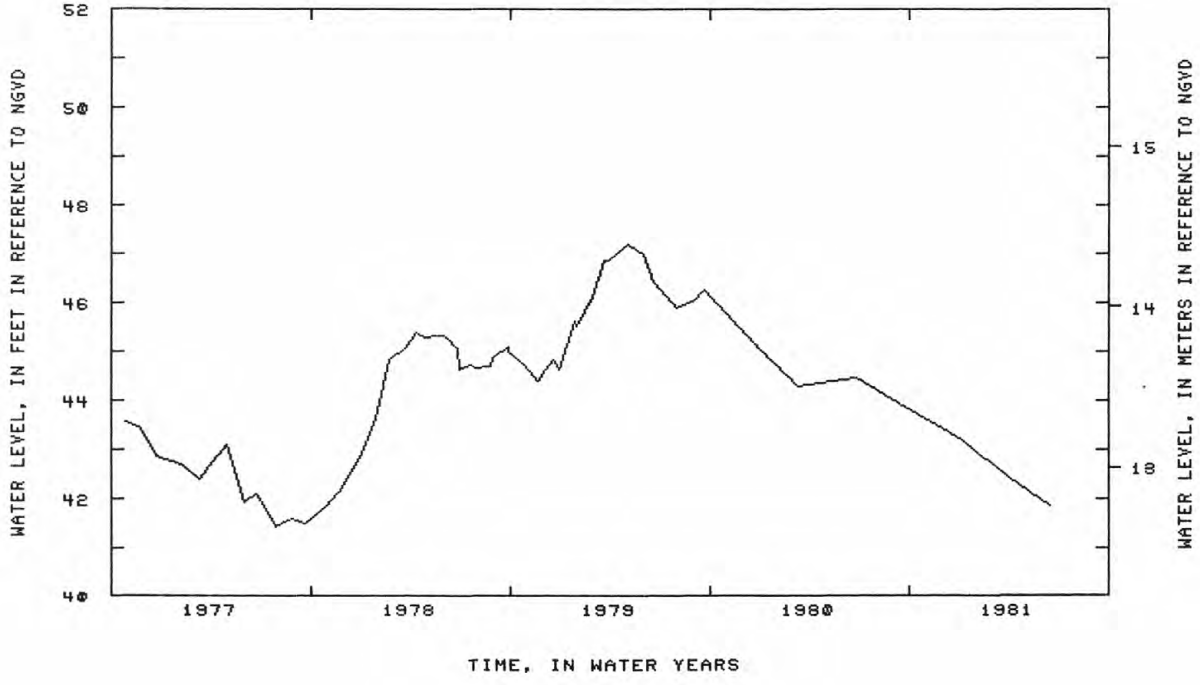
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	57.19	DEC 29	56.46	FEB 25	55.57	APR 21	54.77	JUN 22	53.94	AUG 24	53.14
NOV 25	56.79	JAN 27	55.95	MAR 23	55.17	MAY 21	54.41	JUL 20	53.67	SEP 21	53.23



404813073135602. Local number, S 24772.
LOCATION. --Lat 40°48'13", long 73°13'56", Hydrologic Unit 02030202, at Long Island Motor Parkway and Highland Road, Brentwood. Owner: U.S. Geological Survey.
AQUIFER. --Magothy.
WELL CHARACTERISTICS. --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. --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, 47.21 ft (15.36 m) NGVD, May 2, 1979; lowest measured, 38.80 ft (11.83 m) NGVD, Mar. 7, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 5	43.20	MAR 30	42.42	JUN 16	41.87						

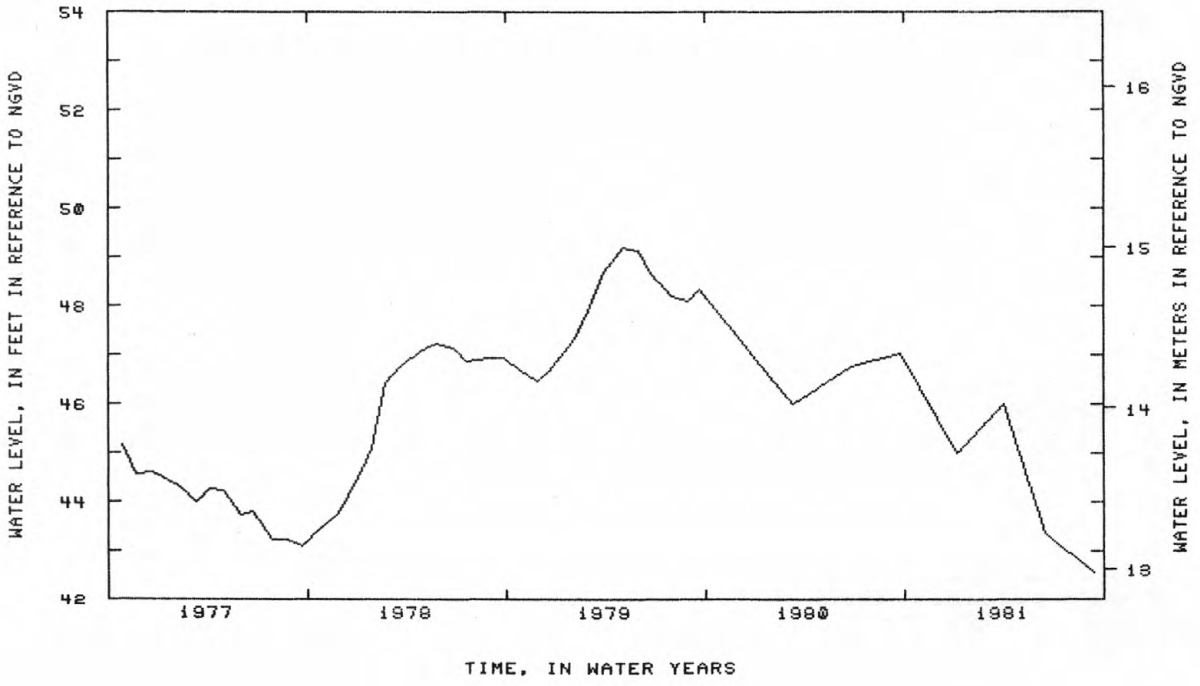


SUFFOLK COUNTY--Continued

404813073135604. Local number, S 24773.
LOCATION. --Lat 40°48'13", long 73°13'56", 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 tp 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, 49.20 ft (15.00 m) NGVD, May 2, 1979; lowest measured, 40.05 ft (12.21 m) NGVD, Mar. 7, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 5	44.99	MAR 30	46.00	JUN 16	43.38	SEP 15	42.57				

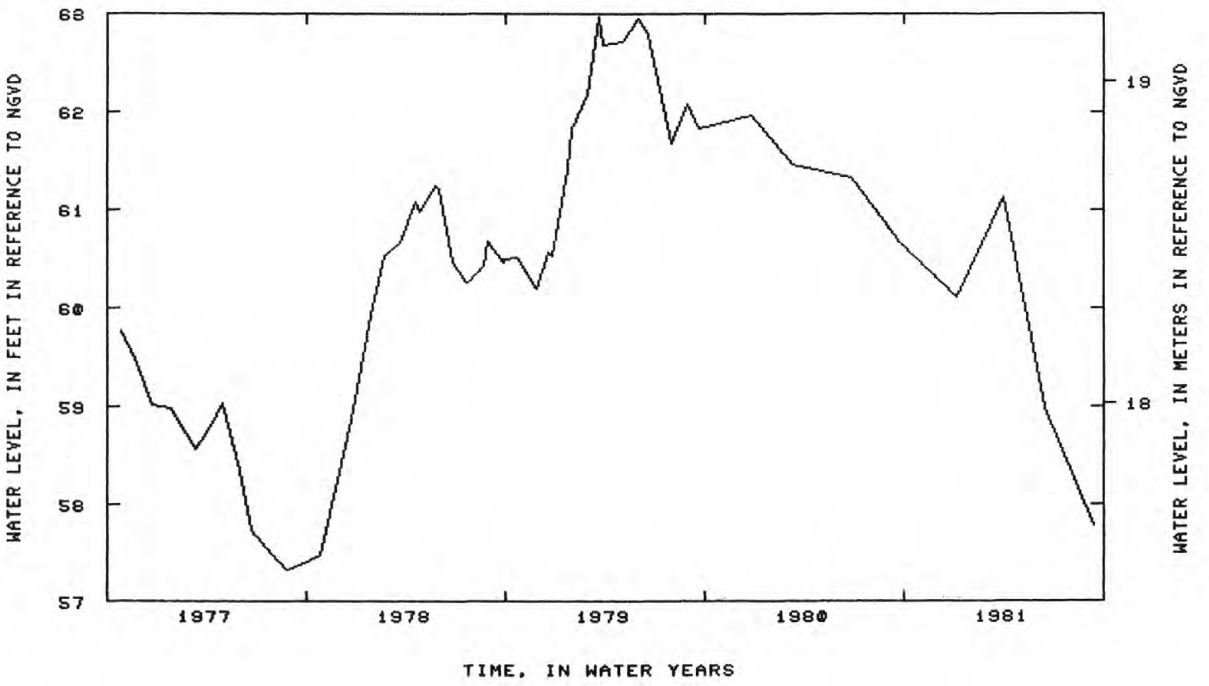


SUFFOLK COUNTY--Continued

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, 62.97 ft (19.19 m) NGVD, Mar. 20, 1979; lowest measured, 50.85 ft (15.50 m) NGVD, Feb. 15, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 6	60.12	MAR 30	61.13	JUN 16	58.99	SEP 15	57.78				

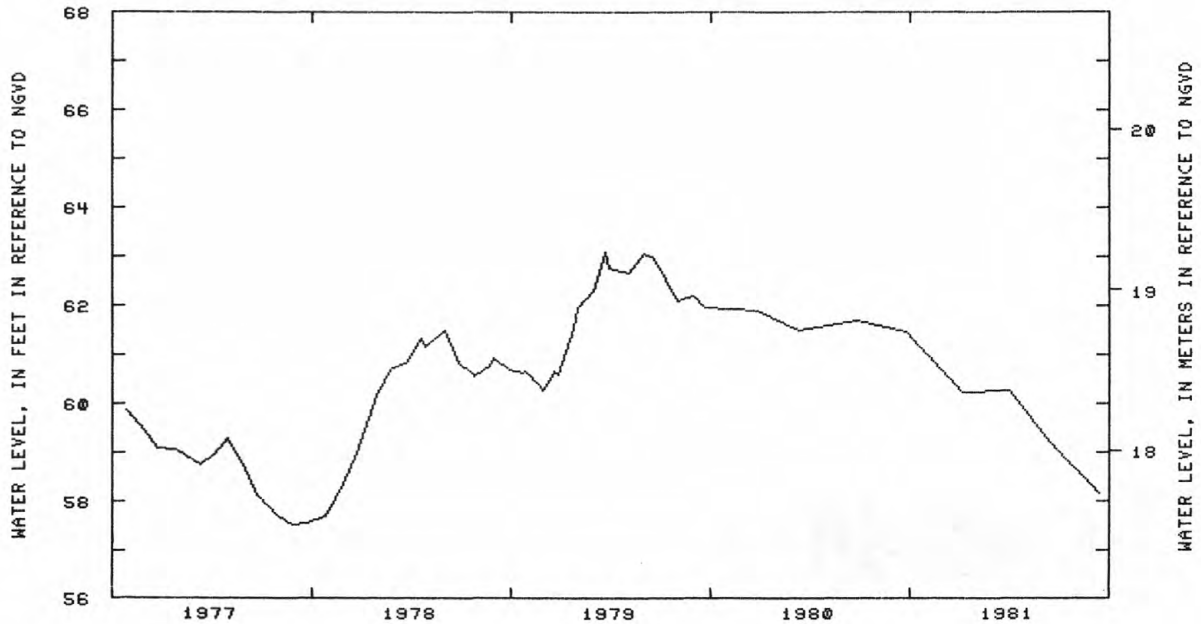


SUFFOLK COUNTY--Continued

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.--July 1966 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, 63.09 ft (19.23 m) NGVD, Mar. 20, 1979; lowest measured, 51.08 ft (15.57 m) NGVD, Feb. 15, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 6	60.23	MAR 30	60.27	JUN 16	59.21	SEP 15	58.16				

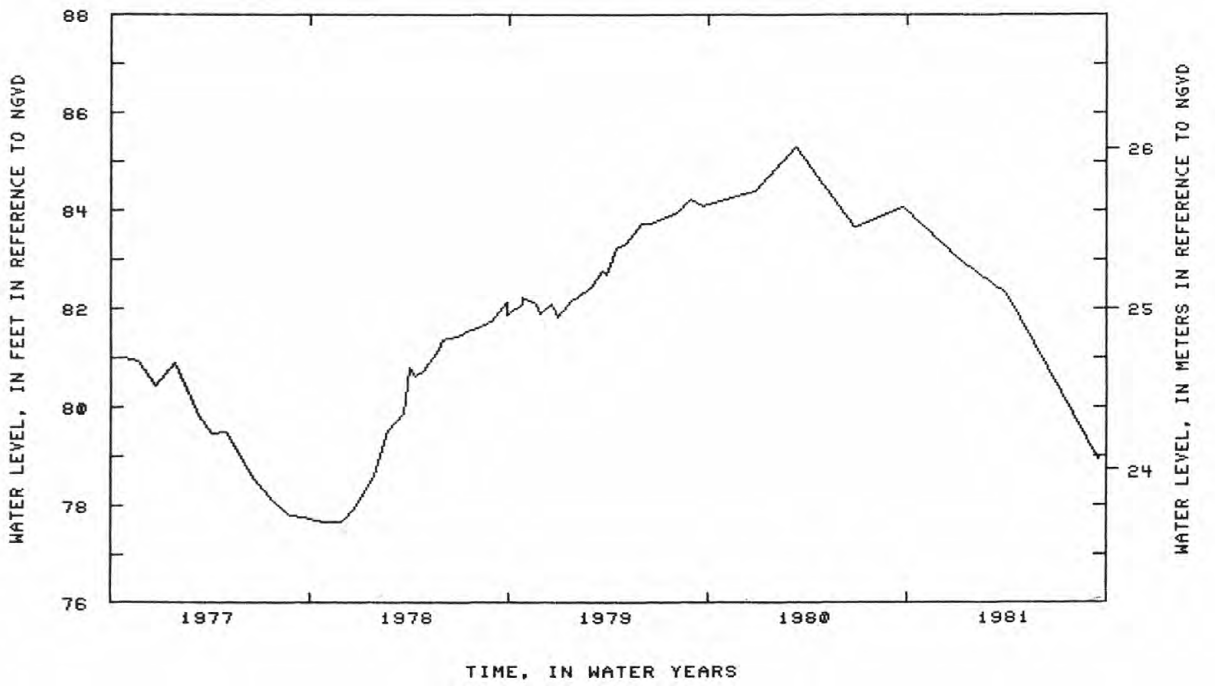


SUFFOLK COUNTY--Continued

404710073264003. Local number, S 29776.
LOCATION. --Lat 40°47'10", long 73°26'40", 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. --May 1967 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, 85.29 ft (26.00 m) NGVD, Mar. 11, 1980; lowest measured, 67.64 ft (20.62 m) NGVD, June 27, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

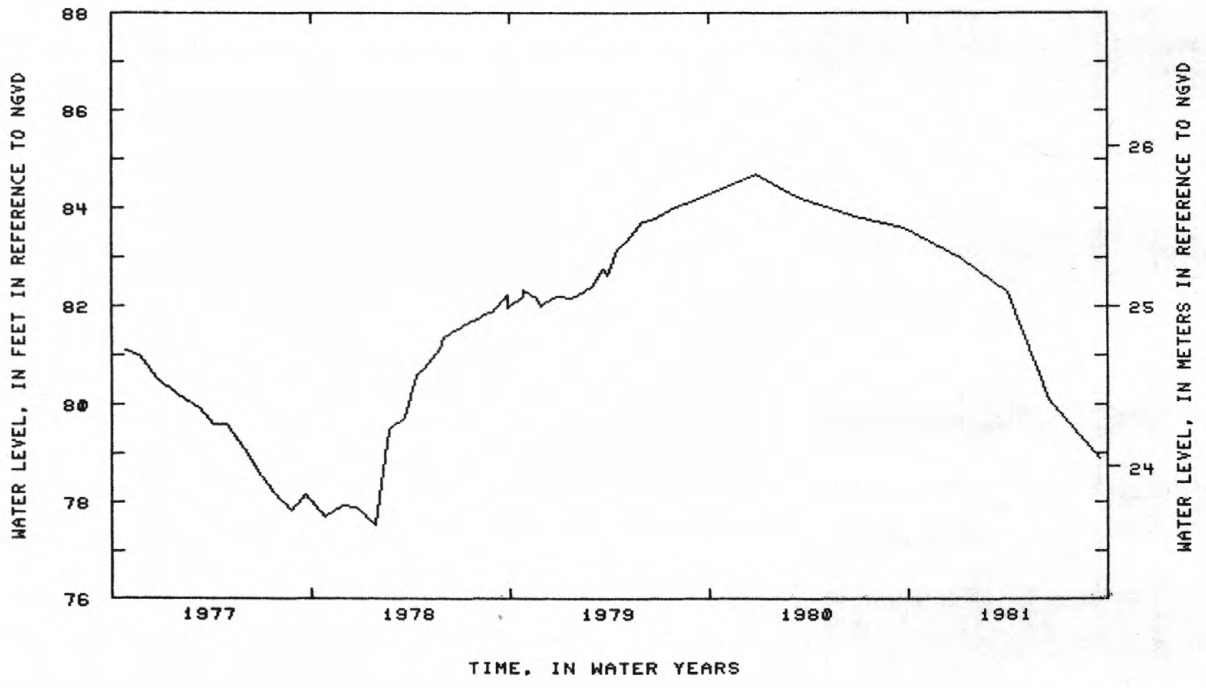
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 6	82.99	MAR 30	82.29	JUN 16	80.80	SEP 16	78.92				



404710073264003. Local number, S 29777.
LOCATION.--Lat 40°47'10", long 73°26'40", 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.--May 1967 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, 84.70 ft (25.82 m) NGVD, Dec. 27, 1979; lowest measured, 67.90 ft (20.70 m) NGVD, May 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

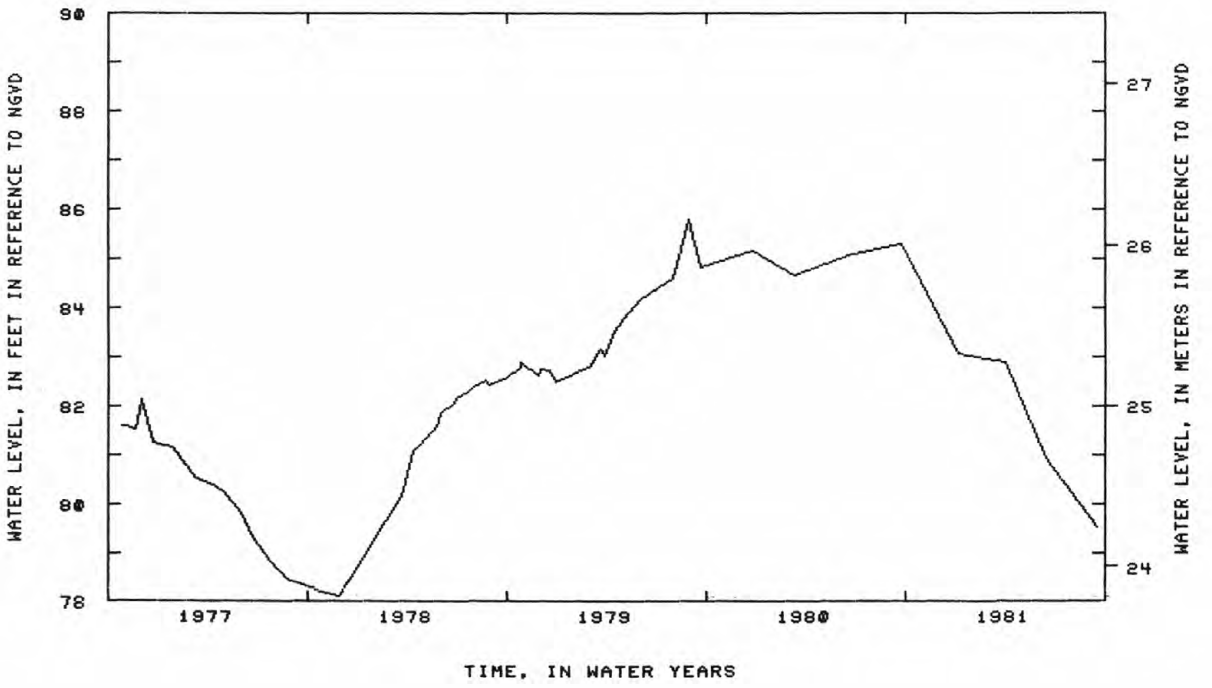
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 6	82.99	MAR 30	82.30	JUN 16	80.10	SEP 16	78.91				



404710073264003. Local number, S 29778.
LOCATION.--Lat 40°47'10", long 73°26'40", 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, 1974-79, are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--May 1967 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, 85.79 ft (26.15 m) NGVD, Aug. 28, 1979; lowest measured, 68.27 ft (20.81 m) NGVD, June 27, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 6	83.07	MAR 30	82.90	JUN 16	80.92	SEP 16	79.53				

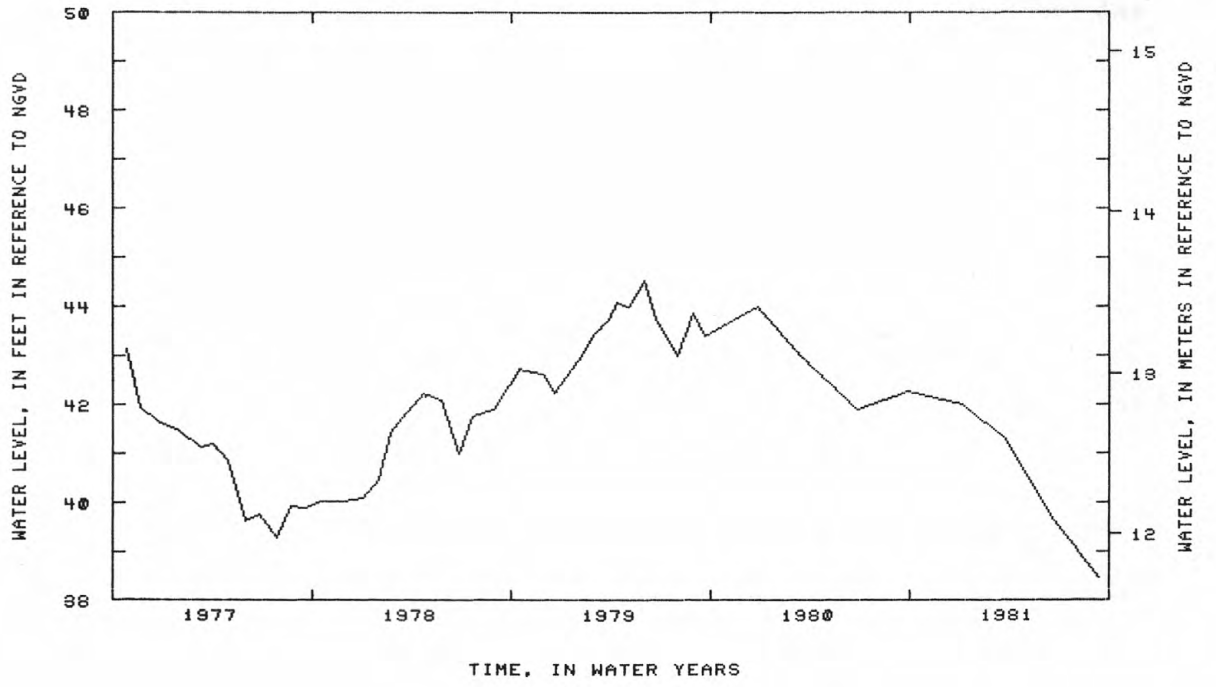


SUFFOLK COUNTY--Continued

405450073030302. Local number, S 31734.
LOCATION. --Lat 40°54'50", long 73°03'03", 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. --December 1970 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, 44.52 ft (13.57 m) NGVD, May 30, 1979; lowest measured, 37.41 ft (11.40 m) NGVD, Mar. 20, 1972.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 5	41.99	MAR 24	41.30	JUN 16	39.74	SEP 14	38.48				

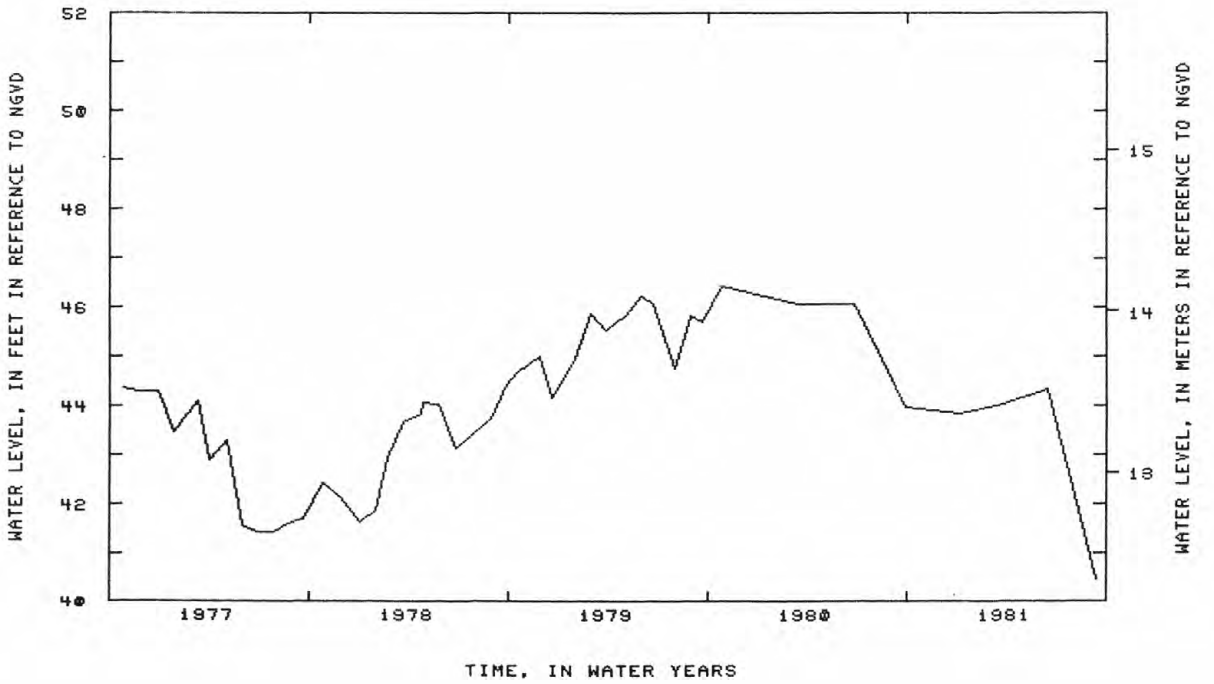


SUFFOLK COUNTY--Continued

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 (2356 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. --March 1970 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, 46.43 ft (14.15 m) NGVD, Oct. 27, 1979; lowest measured, 38.88 ft (11.85 m) NGVD, July 26, 1971.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 5	43.82	MAR 24	44.03	JUN 16	44.33	SEP 14	40.45				

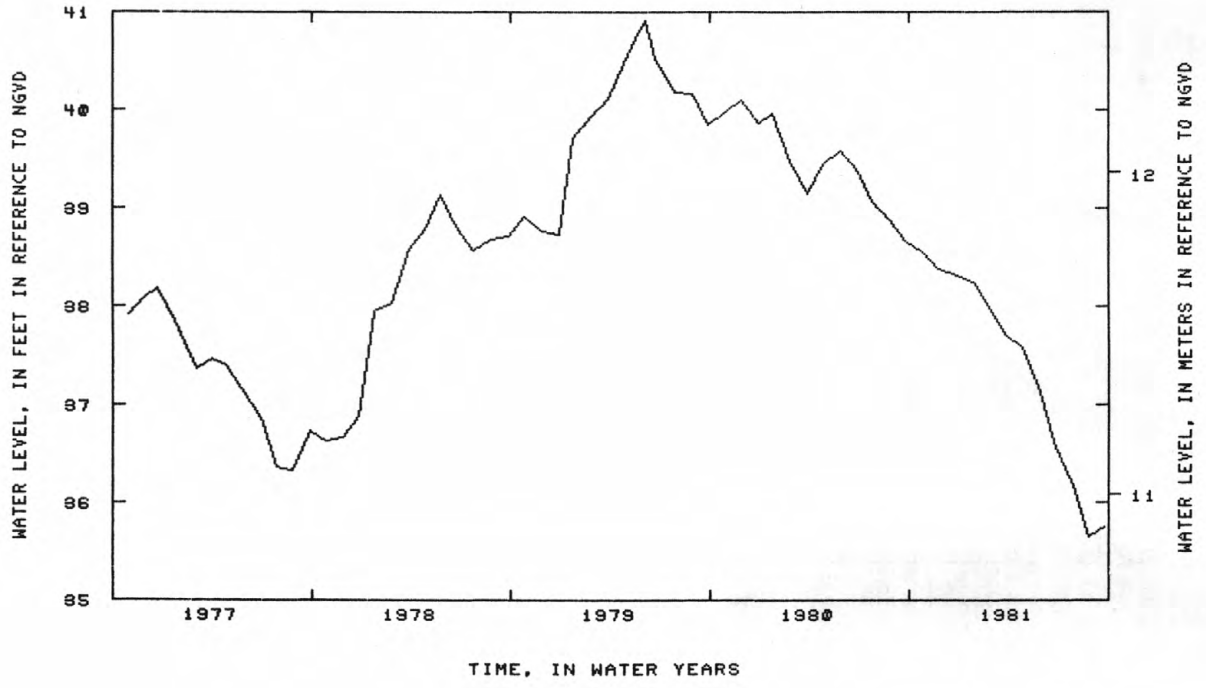


SUFFOLK COUNTY--Continued

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 1968 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, 40.92 ft (12.47 m) NGVD, Jun. 5, 1979; lowest measured, 34.13 ft (10.40 m) NGVD, Oct. 11, 1968.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	38.55	DEC 29	38.32	FEB 27	37.99	APR 27	37.59	JUN 24	36.62	AUG 26	35.65
NOV 26	38.39	JAN 27	38.25	MAR 25	37.72	MAY 28	37.13	JUL 27	36.16	SEP 25	35.75

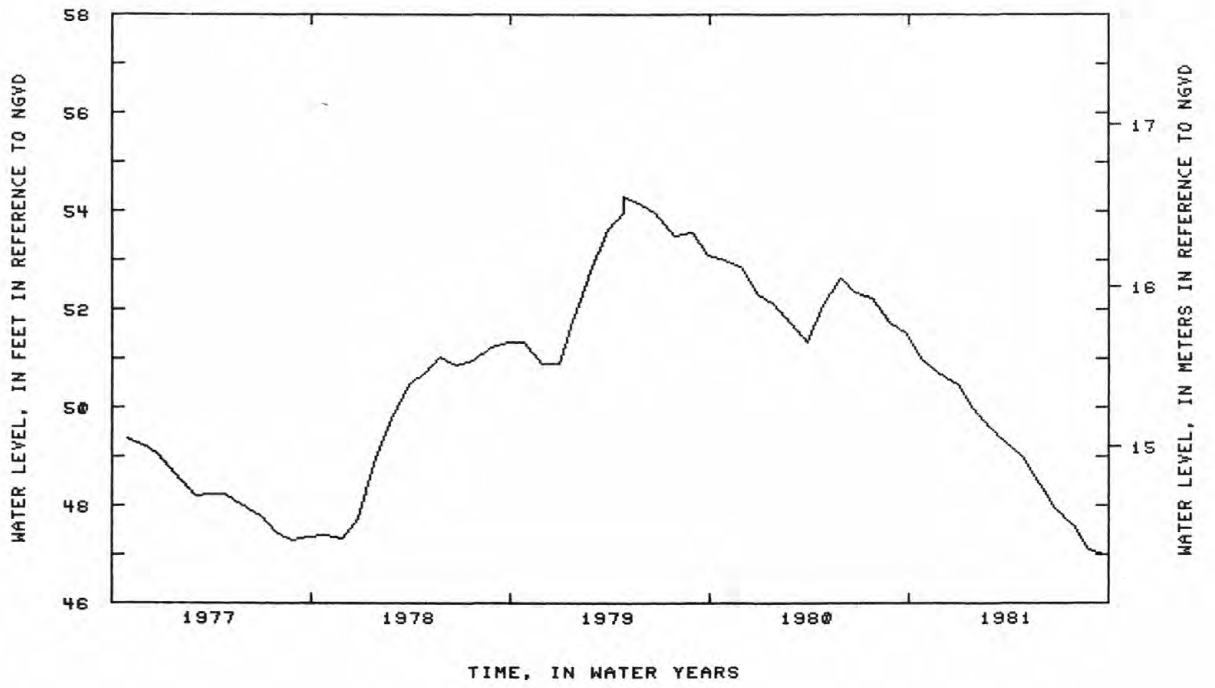


SUFFOLK COUNTY--Continued

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 1968 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, 54.30 ft (16.55 m) NGVD, Apr. 27, 1979; lowest measured, 45.16 ft (13.76 m) above NGVD, Dec. 5, 1969.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	50.98	DEC 29	50.45	FEB 27	49.61	APR 27	48.99	JUN 24	47.97	AUG 26	47.10
NOV 26	50.69	JAN 27	49.98	MAR 25	49.29	MAY 28	48.43	JUL 27	47.61	SEP 25	46.99

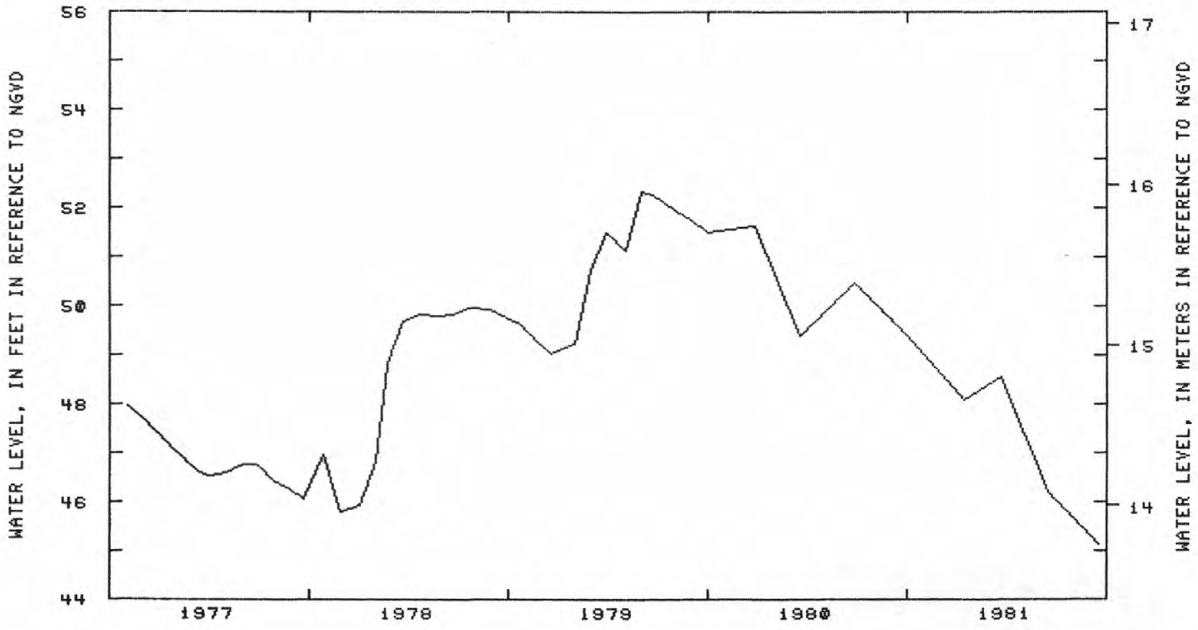


SUFFOLK COUNTY--Continued

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. --July 1970 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, 52.35 ft (15.96 m) NGVD, May 30, 1979; lowest measured, 42.17 ft (12.85 m) NGVD, Mar. 21, 1972.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

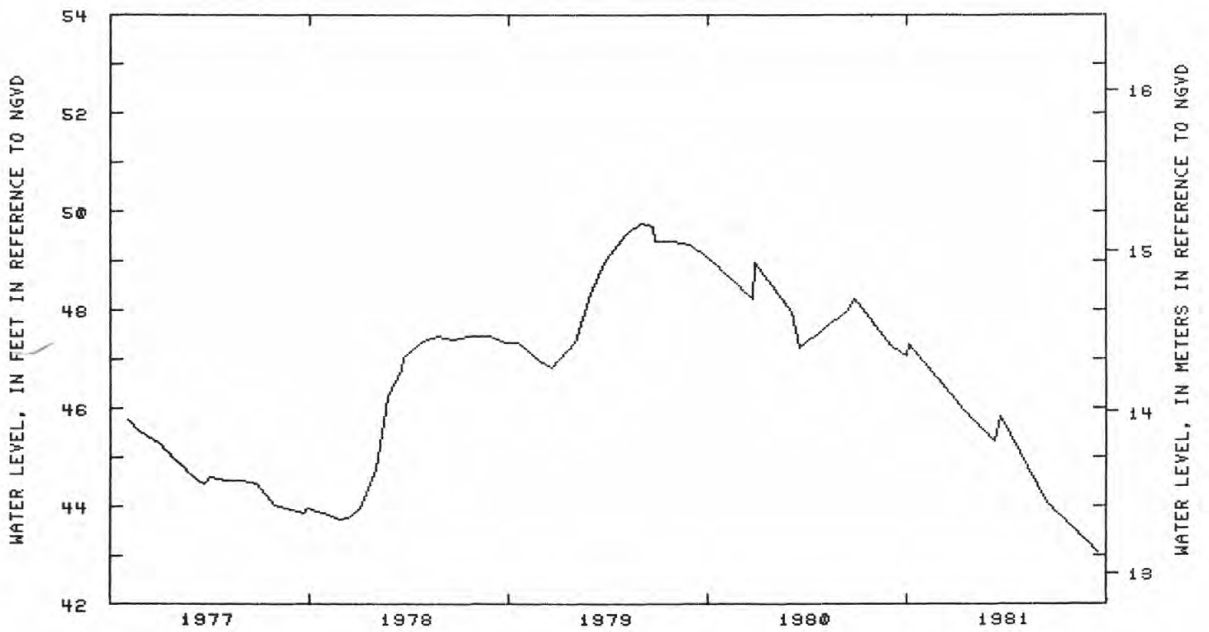
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 14	48.09	MAR 20	48.58	JUN 17	46.20	SEP 16	45.12				



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. --March 1970 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, 49.78 ft (15.17 m) NGVD, May 30, 1979; lowest measured, 40.56 ft (12.36 m) NGVD, Mar. 15, 1972.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	47.29	JAN 14	45.96	MAR 11	45.32 G	MAR 20	45.82	JUN 17	44.07	SEP 16	43.07
DEC 5	46.50 G										



G MEASUREMENT BY ANOTHER AGENCY

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, 39.96 ft (12.18 m) NGVD, Mar. 29, 1979; lowest measured, 32.74 ft (9.98 m) NGVD, Sept. 15, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 5	34.54	MAR 30	34.92	JUN 16	33.65	SEP 15	32.74				

SUFFOLK COUNTY--Continued

404707302330 2. 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.--March 1970 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, 33.90 ft (10.33 m) NGVD, Apr. 10, 1979; lowest measured, 29.56 ft (9.10 m) NGVD, Sept. 15, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 5	30.67	MAR 24	30.37	JUN 16	30.04	SEP 15	29.56				

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, 39.70 ft (12.10 m) NGVD, Apr. 12, 1979; lowest measured, 32.24 ft (9.83 m) NGVD, Oct. 29, 1969.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 15	34.95	MAR 30	34.31	JUN 17	33.68	SEP 14	33.51				

410524072194201. Local number, S 38463.
LOCATION.--Lat 41°05'24", Long 72°19'42", Hydrologic Unit 02030202, at Cobbets Lane, east of Manhasset 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 1970 to current year. Unpublished records for October 1970 to September 1976 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. 5, 1979; lowest measured, -1.89 ft (0.58 m) NGVD, June 25, 1971.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 20	-0.23	MAR 9	1.40 G	MAR 31	1.08	JUN 18	2.93				

G MEASUREMENT BY ANOTHER AGENCY

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. --October 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, 69.55 ft (21.20 m) NGVD, Mar. 20, June 20, 1979; lowest measured, 62.42 ft (19.03 m) NGVD, Mar. 27, 1972.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 31	67.20	MAR 26	67.70	JUN 15	65.86	SEP 14	64.37				

405222073021301. Local number, S 41050.
LOCATION. --Lat 40°52'22", long 73°02'13", 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), screened 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, 1979 are available in files of the Long Island Sub-district office.
PERIOD OF RECORD. --February 1972 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, 75.18 ft (22.91 m) NGVD, Apr. 10, 1979; lowest measured, 60.29 ft (18.38 m) NGVD, July 11, 1972.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 5	70.70	MAR 25	72.14	JUN 16	70.07	SEP 14	67.88				

405332072262201. Local number, S 46531.
LOCATION. --Lat 40°53'32", long 72°26'22", 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. --November 1972 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, 3.47 ft (1.06 m) NGVD, Dec. 30, 1980.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 30	3.47	MAR 18	3.72	JUN 24	3.87	SEP 17	3.67				

SUFFOLK COUNTY--Continued

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.--January 1973 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, 14.69 ft (4.38 m) NGVD, Apr. 4, 1979; lowest measured, 9.67 ft (2.95 m) above NGVD, Sept. 18, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 30	10.80	MAR 18	11.26	JUN 24	11.05	SEP 18	9.67				

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.--December 1972 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, 16.02 ft (4.88 m) NGVD, July 2, 1980; lowest measured, 9.79 ft (2.98 m) NGVD, Sept. 17, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 30	12.07	MAR 18	10.97	JUN 24	11.05	SEP 17	9.79				

405021072355801. Local number, S 46540.
LOCATION.--Lat 40°50'21", long 72°35'58", Hydrologic Unit 02030202, 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, 11.64 ft (3.55 m) NGVD, Apr. 2, 1979; lowest measured, 6.74 ft (2.05 m) NGVD, Oct. 4, 1978.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 30	7.46	MAR 18	8.02	JUN 24	7.82	SEP 17	7.28				

SUFFOLK COUNTY--Continued

405019072443801. Local number, S 46541.
LOCATION. --Lat 40°50'19", long 72°44'38", 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. --December 1972 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, 19.07 ft (5.81 m) NGVD, Feb. 2, 1979; lowest measured, 15.75 ft (4.80 m) NGVD, Sept. 17, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 27	16.16	MAR 19	16.56	JUN 24	16.24	SEP 17	15.75				

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. --December 1972 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, 30.42 ft (9.27 m) NGVD, June 29, 1979; lowest measured, 23.57 ft (7.18 m) NGVD, Sept. 17, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 27	25.74	MAR 19	25.52	JUN 23	24.16	SEP 17	23.57				

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. --December 1972 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, 31.28 ft (9.53 m) NGVD, June 28, 1979; lowest measured, 24.58 ft (7.49 m) NGVD, Sept. 15, 1981

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 27	26.95	MAR 19	27.06	JUN 23	26.98	SEP 15	24.58				

SUFFOLK COUNTY--Continued

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.--December 1972 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, 43.83 ft (13.36 m) NGVD, June 28, 1979; lowest measured, 37.22 ft (11.34 m) NGVD, Oct. 7, 1977.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 27	37.37										

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.--December 1972 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, 12.14 ft (3.70 m) NGVD, June 22, 1979; lowest measured, 8.83 ft (2.69 m) NGVD, Sept. 16, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 14	11.23	MAR 20	10.00	JUN 17	9.48	SEP 16	8.83				

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 County 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.--December 1972 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, 29.06 ft (8.86 m) NGVD, Oct. 26, 1979; lowest measured, 23.81 ft (7.26 m) NGVD, Dec. 20, 1972.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 14	26.61	MAR 20	27.17	JUN 18	26.01						

404813073084101. Local number, S 65601.
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. --Drilled observation water-table well, diameter 2 in (0.05 m), depth 41 ft (12 m), screened 38 to 41 ft (11 to 12 m).
DATUM. --Land-surface datum is 62.6 ft (19.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.20 ft (0.06 m) below land-surface datum.
REMARKS. --Replaces well S 1813-2, September 1978.
PERIOD OF RECORD. --September 1978 to current year.
EXTREMES FOR PERIOD OF RECORD. --Highest water level measured, 42.10 ft (12.83 m) NGVD, Apr. 10, 1979; lowest measured, 36.46 ft (11.11 m) NGVD, Jan. 25, 1951.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 25	39.07	FEB 4	39.53	MAR 23	38.55	MAY 21	38.35	JUL 20	37.82	SEP 21	37.54
DEC 29	38.93	25	38.72	APR 21	38.46	JUN 22	37.96	AUG 24	37.38		

405030073180601. Local number, S 65602.
LOCATION. --Lat 40°50'30", long 73°18'06", Hydrologic Unit 02030202, at Wiltshire Drive and Renee Place, Commack. Owner: U.S. Geological Survey.
AQUIFER. --Upper Glacial.
WELL CHARACTERISTICS. --Drilled observation water-table well, diameter 2 in (0.05 m), depth 96 ft (29 m), screened 91 to 96 ft (28 to 29 m).
DATUM. --Land-surface datum is 146 ft (44 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.19 ft (0.06 m) below land-surface datum.
REMARKS. --Replaces well S 3514, September 1978.
PERIOD OF RECORD. --October 1978 to current year.
EXTREMES FOR PERIOD OF RECORD. --Highest water level measured, 76.41 ft (32.29 m) NGVD, Aug. 28, 1979, lowest measured, 64.23 ft (19.58 m) NGVD, Mar. 18, 26, 1951.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

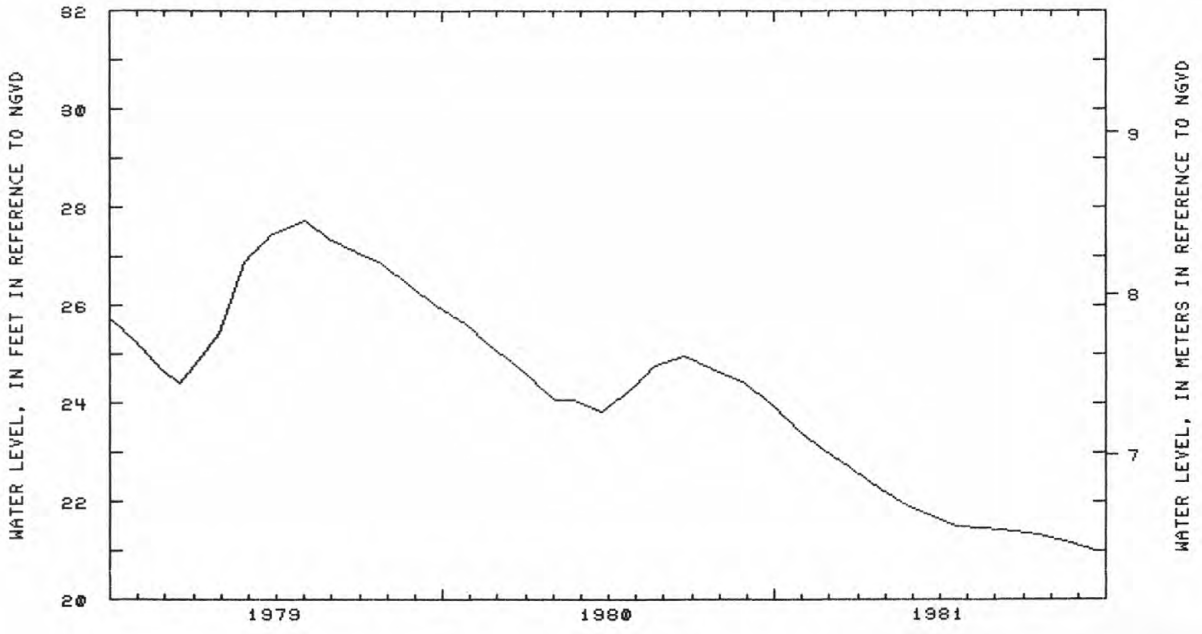
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	73.01	DEC 29	72.61	FEB 25	71.89	APR 21	71.28	JUN 22	70.86	AUG 24	70.33
NOV 25	72.78	FEB 4	73.31	MAR 23	71.66	MAY 21	71.07	JUL 20	70.65	SEP 21	70.43

SUFFOLK COUNTY--Continued

404936072483501. Local number, S 65604.
LOCATION.--Lat 40°49'36", long 72°48'35", Hydrologic Unit 02030202, at Chichester Avenue near Sunrise Highway, Manorville. Owner: U.S. Geological Survey.
AQUIFER.--Upper Glacial.
WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2 in (0.05 m), depth 56 ft (17 m), screened 51 to 56 ft (16 to 17 m).
DATUM.--Land-surface datum is 64 ft (19.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling (0.05 m) below land-surface datum.
REMARKS.--Replaces well S 6439, October 1978.
PERIOD OF RECORD.--October 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 28.21 ft (8.60 m) NGVD, June 28, 1973, lowest measured, 20.99 ft (6.40 m) NGVD, Sept. 21, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	23.43	DEC 23	22.71	FEB 26	21.92	APR 21	21.50	JUN 22	21.39	AUG 24	21.17
NOV 24	23.07	JAN 28	22.22	MAR 23	21.69	MAY 21	21.45	JUL 20	21.34	SEP 21	20.99



410226072283801. Local number, S 65606.
LOCATION.--Lat 41°02'26", long 72°28'38", 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 51 ft (15.5 m), screened 46 to 51 ft (14 to 15.5 m).
DATUM.--Land-surface datum is 37.3 ft (11.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.30 ft (0.09 m) below land-surface datum.
REMARKS.--Replaces well S 16777-2, October 1978.
PERIOD OF RECORD.--September 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.61 ft (2.62 m) NGVD, Feb. 1, 1979; lowest measured, 2.27 ft (0.67 m) NGVD, Aug. 31, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 1	5.81	JAN 20	5.12	MAR 31	6.91	JUN 18	5.21	SEP 15	2.70		

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

NASSAU 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 (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	BAROMETRIC PRESSURE (MM OF HG)	OXYGEN, DISSOLVED (MG/L)
404657073332201 N	1194	112GLCLU	81-03-24	104	320	5.2	11.5	--	--
404239073255201 N	1251	112GLCLU	81-03-04	29	199	6.7	16.0	--	--
		112GLCLU	81-06-25	29	195	5.1	16.5	761	2.6
403920073410701 N	1429	112GLCLU	81-06-25	24	--	--	--	759	3.0
		112GLCLU	81-09-02	24	160	6.3	21.0	--	--
404544073265603 N	7397	112GLCLU	81-03-24	107	180	4.6	11.5	--	--
		112GLCLU	81-06-30	107	225	4.5	15.0	767	9.4
404730073423101 N	8877	112GLCLU	81-06-25	76	145	7.1	17.0	758	3.5
		112GLCLU	81-09-02	76	155	6.6	14.0	--	--
404702073305601 N	8888	112GLCLU	81-03-24	111	420	4.9	13.5	--	--
		112GLCLU	81-06-30	111	400	5.0	15.0	767	6.9

DATE OF SAMPLE	OXYGEN, DISSOLVED (PERCENT SATURATION)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY LAB (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)
81-03-24	--	120	37	7.0	21	1.7	--	17	54	--	--	--
81-03-04	--	52	17	2.4	17	--	--	29	17	--	--	--
81-06-25	26	49	16	2.1	24	4.8	20	30	20	<.1	9.7	119
81-06-25	37	--	--	--	--	--	--	--	--	--	--	--
81-09-02	--	63	21	2.5	5.7	4.7	25	34	8.5	<.1	7.4	100
81-03-24	--	34	5.6	4.9	14	1.5	--	.4	38	--	--	--
81-06-30	91	35	5.7	5.0	17	1.7	6.0	.3	54	<.1	5.7	93
81-06-25	36	48	9.8	5.8	6.3	2.0	61	2.6	7.3	<.1	5.0	75
81-09-02	--	46	9.0	5.6	5.6	1.4	35	20	7.2	<.1	18	92
81-03-24	--	140	48	5.4	35	6.1	--	40	51	--	--	--
81-06-30	67	83	26	4.5	31	6.3	16	37	55	<.1	14	183

DATE OF SAMPLE	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
81-03-24	<.010	<.010	--	.010	.030	--	--	--	--	--	.00
81-03-04	<.010	<.010	--	.120	.120	--	--	--	--	--	.10
81-06-25	<.010	<.010	--	.340	.360	.35	.00	.010	2000	340	.10
81-06-25	<.010	<.010	--	.110	.120	.81	.66	.310	--	--	--
81-09-02	<.010	<.010	--	.220	.140	.98	.22	.050	3000	80	.10
81-03-24	<.010	<.010	--	.010	.070	--	--	--	--	--	.00
81-06-30	<.010	.010	2.40	<.010	.030	--	.34	.010	1500	50	.00
81-06-25	<.010	<.010	--	.050	.070	.18	.18	.080	6500	170	.00
81-09-02	<.010	<.010	--	.040	.070	.76	.20	<.010	6000	140	.00
81-03-24	<.010	<.010	--	.030	.060	--	--	--	--	--	.10
81-06-30	<.010	<.010	--	.030	.110	.81	.25	<.010	1000	240	.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

NASSAU COUNTY--Continued

All samples were collected and analyzed by U.S. Geological Survey.
Additional analyses in Minor Element and Pesticide analyses of ground water.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	BAROMETRIC PRESSURE (MM OF HG)	OXYGEN, DISSOLVED (MG/L)
404404073325303 N	9198 CDR CK OB WL 11C	112GLCLU	81-04-21	45	350	4.4	14.0	--	--
		112GLCLU	81-04-22	45	350	4.4	14.0	--	--
404327073335901 N	9201	112GLCLU	80-11-05	45	180	4.8	15.0	--	8.2
404353073331801 N	9219	211MGTY	81-06-01	95	375	5.6	14.5	--	2.3
404353073331802 N	9220 CDR CK OB WL 14B	112GLCLU	81-06-01	45	290	5.8	14.5	--	2.3
404351073332702 N	9222	112GLCLU	81-06-01	45	310	5.2	14.0	--	1.7
404331073330801 N	9225	112GLCLU	80-11-05	45	210	4.7	16.0	--	3.6
404401073325352 N	9597 BASIN 3	112GLCLU	81-07-22	74	410	4.7	24.0	--	3.7
404401073325252 N	9601 BASIN 2	112GLCLU	81-07-22	76	--	4.6	21.0	--	2.7
404402073325201 N	9689 BASIN 2	112GLCLU	81-06-26	43	300	4.4	14.0	766	4.7
404402073325301 N	9690 BASIN 3	112GLCLU	81-06-26	42	225	5.4	14.5	766	5.1

DATE OF SAMPLE	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY LAB (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)
81-04-21	--	--	--	--	--	--	--	--	--	--	--	16
81-04-22	--	--	--	--	--	--	--	--	--	--	--	16
80-11-05	--	--	--	--	--	--	--	--	--	--	--	--
81-06-01	49	15	2.8	46	2.5	6.0	34	71	<.1	8.4	--	--
81-06-01	59	18	3.4	31	4.6	24	31	43	<.1	7.6	153	--
81-06-01	73	23	3.7	20	6.2	20	31	25	<.1	14	135	--
80-11-05	--	--	--	--	--	--	--	--	--	--	--	--
81-07-22	67	21	3.5	24	5.7	2.0	35	29	.3	14	134	14
81-07-22	61	20	2.6	23	6.3	6.0	38	27	.1	14	135	--
81-06-26	62	20	2.9	26	5.3	1.0	26	31	.2	13	125	--
81-06-26	44	14	2.2	20	4.4	6.0	29	18	.3	12	104	--

DATE OF SAMPLE	NITROGEN, NITRATE DISSOLVED (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)	CARBON, ORGANIC DISSOLVED (MG/L AS C)
81-04-21	16.0	.490	.03	.52	17	.010	--
81-04-22	16.0	.490	.09	.58	17	.020	--
80-11-05	--	--	--	--	--	--	--
81-06-01	--	.030	.31	.34	2.2	<.010	<.3
81-06-01	--	.060	--	<.10	--	<.010	<.3
81-06-01	--	.010	--	<.10	--	<.010	.5
80-11-05	--	--	--	--	--	--	--
81-07-22	--	.400	.90	1.30	15	.200	7.5
81-07-22	--	<.010	--	.36	14	.010	.7
81-06-26	--	--	--	--	--	--	--
81-06-26	--	.010	.23	.24	13	<.010	3.8

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

NASSAU COUNTY--Continued

All samples were collected and analyzed by U.S. Geological Survey.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)
403827073425001 N 1382		112JMCO	81-09-10	196	18200	6.4	17.0	11000
403751073440201 N 3861		211MGTY	81-09-01	530	26200	5.2	--	14000
403827073494202 N 3864		211MGTY	81-09-08	470	67	6.7	18.0	7.9
403911073432701 N 3867		211MGTY	81-08-28	517	46	6.3	15.0	6.6
403751073440202 N 3932		112JMCO	81-08-19	178	48	6.1	18.0	3.9
403713073415901 N 4026		112JMCO	81-08-14	197	81	6.8	17.0	5.7
403621073441702 N 4062		112JMCO	81-08-20	142	199	6.9	--	31
403844073340801 N 4150		211MGTY	81-09-09	765	80	9.4	18.5	4.0
403911073432001 N 4213		112JMCO	81-08-18	134	153	--	16.0	26
403532073353401 N 5227		211LLYD	81-09-03	1265	128	6.0	19.5	5.6
403517073430701 N 6701		211MGTY	81-08-21	837	2230	7.2	--	760
403517073430702 N 6702		211MGTY	81-08-06	677	22500	6.8	16.0	15000
403517073430703 N 6703		211MGTY	81-08-20	478	9710	6.6	--	4900
403713073415902 N 6707		211MGTY	81-08-17	503	4220	6.4	17.0	1800
403713073415904 N 6792		112GLCLU	81-08-18	50	203	--	15.0	20
403533073353205 N 6853		211MGTY	81-08-12	135	115	--	--	3.4
403856073392601 N 7161		211MGTY	81-09-02	666	60	6.8	17.0	19

Geological unit (aquifer):
- 112GLCLU - Upper glacial aquifer, Pleistocene age.
- 112GRDR - Gardiners clay, Pleistocene age.
- 112JMCO - Jameco gravel, Pleistocene age.
- 211LLYD - Llyod aquifer, Cretaceous age.
- 211MGTY - Magothy aquifer, Cretaceous age.

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

SUFFOLK COUNTY

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	TIME	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)
404323073253401	S 43808	112GLCLU	80-10-27	1255	54	225	6.0	13.0	.0
		112GLCLU	80-11-24	1000	54	210	--	13.0	7.5
		112GLCLU	81-07-21	1000	54	--	6.4	13.0	--
		112GLCLU	81-08-06	1000	54	--	6.0	13.0	.5
		112GLCLU	81-08-11	1000	54	--	6.3	12.5	1.4
		112GLCLU	81-08-11	1015	54	--	6.2	12.5	1.4
		112GLCLU	81-08-11	1030	54	--	6.2	12.5	1.4
		112GLCLU	81-08-11	1045	54	240	6.1	12.5	1.4
		112GLCLU	81-08-11	1100	54	--	6.2	12.5	1.4
		112GLCLU	81-08-11	1115	54	--	6.2	12.5	1.3
		112GLCLU	81-08-11	1130	54	--	6.2	12.5	1.3
404124073241601	S 43809	112GLCLU	80-10-27	1130	34	380	4.8	14.0	.1
		112GLCLU	80-11-17	1205	34	280	5.9	15.0	4.2
		112GLCLU	81-05-27	1000	34	580	4.8	12.0	2.0
		112GLCLU	81-08-03	1100	34	400	5.1	12.0	.9

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 FIELD (MG/L AS CACO3)	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, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	COPPER, DISSOLVED (UG/L AS CU)
80-10-27	--	--	27	--	22	35	26	--	--	3.1	1.00	<100
80-11-24	--	--	27	--	--	35	25	--	--	3.7	1.08	<100
81-07-21	--	--	38	--	25	26	27	--	--	4.4	.960	<100
81-08-06	--	--	22	--	23	29	27	--	--	4.6	.960	<100
81-08-11	--	--	21	--	23	28	27	--	--	5.1	.920	<100
81-08-11	--	--	21	--	23	30	27	--	--	4.5	.920	<100
81-08-11	--	--	20	--	23	29	28	--	--	4.6	.910	<100
81-08-11	--	--	21	--	23	--	28	--	--	4.7	.910	<100
81-08-11	--	--	21	--	23	29	28	--	--	4.6	.900	<100
81-08-11	--	--	21	--	23	29	28	--	--	4.5	.900	<100
81-08-11	--	--	21	--	23	29	27	--	--	4.7	.910	<100
80-10-27	--	--	19	--	3	41	84	--	--	7.7	1.65	<100
80-11-17	--	--	31	--	--	49	45	--	--	5.5	1.47	<100
81-05-27	22	3.8	110	4.0	3	30	120	5.0	.003	--	.060	--
81-08-03	22	3.8	58	2.4	6	36	82	7.5	.010	--	<.050	--

DATE OF SAMPLE	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)	ZINC, DISSOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
80-10-27	630	580	<400	<.10
80-11-24	260	610	<400	<.10
81-07-21	220	860	<400	<.10
81-08-06	<100	640	<400	<.10
81-08-11	180	700	<400	<.10
81-08-11	170	690	<400	<.10
81-08-11	180	690	<400	<.10
81-08-11	110	<700	<400	<.10
81-08-11	150	690	<400	<.10
81-08-11	140	700	<400	<.10
81-08-11	150	680	<400	<.10
80-10-27	350	460	<400	<.10
80-11-17	290	360	<400	<.10
81-05-27	200	350	--	--
81-08-03	300	400	--	.20

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	TIME	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
404124073241602	S 43810	112GLCLU	80-10-27	1006	71	280	6.3	12.0	.0
		112GLCLU	80-11-17	1055	71	250	5.9	12.0	3.4
		112GLCLU	81-05-27	1100	71	245	5.2	13.0	.6
		112GLCLU	81-08-03	1000	71	260	6.2	13.0	.1
404530073241101	S 43811	112GLCLU	81-08-27	1000	85	--	5.9	13.0	5.0
404158073225801	S 43812	112GLCLU	80-10-21	1130	30	390	6.2	16.0	.1
		112GLCLU	80-11-17	1330	30	370	5.6	16.0	5.6
		112GLCLU	81-05-27	1300	30	340	5.8	13.0	.5
		112GLCLU	81-08-03	1300	30	360	6.3	13.0	1.5

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 FIELD (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, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	COPPER, DIS-SOLVED (UG/L AS CU)
80-10-27	--	--	21	--	25	43	20	--	--	3.9	1.80	<100
80-11-17	--	--	21	--	--	59	21	--	--	5.1	1.68	<100
81-05-27	20	4.0	23	4.0	17	52	26	4.9	.002	--	1.60	--
81-08-03	19	3.8	20	3.8	42	42	23	3.0	.008	--	1.70	--
81-08-27	--	--	19	--	--	--	29	--	--	30	.100	500
80-10-21	--	--	32	--	101	36	54	--	--	<.40	7.90	<100
80-11-17	--	--	32	--	--	41	49	--	--	.90	8.90	<100
81-05-27	23	3.8	34	10	89	33	53	.22	.002	--	8.40	--
81-08-03	22	3.3	35	8.8	87	32	54	.32	.001	--	7.80	--

DATE OF SAMPLE	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	ZINC, DIS-SOLVED (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
80-10-27	17000	700	<400	<.10
80-11-17	2030	490	<400	.10
81-05-27	900	500	--	--
81-08-03	5500	600	--	.08
81-08-27	<100	80	<400	<.10
80-10-21	2110	8650	<400	<.10
80-11-17	2280	7800	<400	<.10
81-05-27	1800	6900	--	--
81-08-03	2100	6300	--	.50

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	TIME	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
404158073225802	S 43813	112GLCLU	80-10-21	1136	73	300	6.2	14.0	.0
		112GLCLU	80-11-17	1450	73	280	5.7	14.0	4.6
		112GLCLU	81-05-27	1400	73	260	5.3	15.0	.5
		112GLCLU	81-08-03	1400	73	300	6.2	14.0	.2
		112GLCLU	81-08-10	1115	73	--	6.1	14.5	2.2
		112GLCLU	81-08-10	1130	73	--	6.0	14.5	2.0
		112GLCLU	81-08-10	1145	73	--	6.0	14.5	2.0
		112GLCLU	81-08-10	1200	73	--	6.0	14.5	1.7
		112GLCLU	81-08-10	1215	73	--	6.0	14.5	1.7
		112GLCLU	81-08-10	1230	73	--	6.2	14.5	1.6
404455073215001	S 43814	112GLCLU	80-10-27	1420	45	210	5.3	12.0	.2
		112GLCLU	81-08-27	1300	45	--	5.3	12.0	.3
404237073220601	S 43815	112GLCLU	80-10-21	0940	30	270	5.7	13.0	.0
		112GLCLU	80-11-18	0900	30	250	5.9	15.0	3.6
		112GLCLU	81-07-21	1300	30	--	5.8	13.5	--
		112GLCLU	81-08-04	1000	30	290	5.8	13.0	.2

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 FIELD (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, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	COPPER, DIS-SOLVED (UG/L AS CU)
80-10-21	--	--	30	--	51	53	37	--	--	1.3	1.89	<100
80-11-17	--	--	30	--	--	60	37	--	--	2.3	2.02	<100
81-05-27	14	7.0	34	3.8	26	53	43	1.8	.002	--	2.80	--
81-08-03	14	6.8	32	4.1	63	43	41	1.4	.004	--	3.00	--
81-08-10	--	--	34	--	35	62	39	--	--	2.3	2.75	<100
81-08-10	--	--	33	--	33	63	40	--	--	1.9	2.80	<100
81-08-10	--	--	35	--	32	63	40	--	--	1.7	3.15	<100
81-08-10	--	--	34	--	32	63	38	--	--	1.7	3.30	<100
81-08-10	--	--	34	--	32	63	40	--	--	1.7	3.60	<100
81-08-10	--	--	35	--	34	63	40	--	--	1.6	3.50	<100
80-10-27	--	--	19	--	8	39	24	--	--	3.9	1.98	<100
81-08-27	--	--	21	--	--	--	26	--	--	3.2	2.46	<100
80-10-21	--	--	28	--	20	41	34	--	--	6.7	2.97	<100
80-11-18	--	--	26	--	--	44	32	--	--	6.4	3.20	<100
81-07-21	--	--	25	--	21	42	53	--	--	5.1	1.00	<100
81-08-04	16	3.1	38	6.5	23	38	53	5.4	.002	--	3.40	--

DATE OF SAMPLE	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	ZINC, DIS-SOLVED (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
80-10-21	11400	400	400	<.10
80-11-17	4120	320	<400	.10
81-05-27	2700	320	--	--
81-08-03	11000	400	--	.16
81-08-10	5000	350	<400	.20
81-08-10	4400	350	400	.10
81-08-10	4100	380	<400	.10
81-08-10	3840	360	<400	<.10
81-08-10	4000	370	<400	.10
81-08-10	3630	380	<400	.10
80-10-27	1510	1369	<400	<.10
81-08-27	1630	1510	<400	<.10
80-10-21	110	1180	<400	.10
80-11-18	240	1199	400	.10
81-07-21	<100	1710	<400	<.10
81-08-04	100	1400	--	.05

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	TIME	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)
404237073220602	S 43816	112GLCLU	80-10-21	0940	75	175	5.7	13.0	.1
		112GLCLU	80-11-18	1000	75	265	5.7	13.0	4.9
		112GLCLU	81-07-22	1445	75	--	5.6	13.5	.2
		112GLCLU	81-08-04	1100	75	--	5.6	13.0	.0
404618073205001	S 43817	112GLCLU	81-08-27	1100	51	--	5.9	13.0	7.2
		112GLCLU	81-09-29	1230	51	--	6.0	12.5	6.6

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 FIELD (MG/L AS CACO3)	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, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	COPPER, DISSOLVED (UG/L AS CU)
80-10-21	--	--	12	--	12	33	16	--	--	4.4	.330	<100
80-11-18	--	--	12	--	--	38	16	--	--	4.6	.280	<100
81-07-22	--	--	12	--	11	31	18	--	--	4.4	.300	<100
81-08-04	14	5.1	12	3.7	11	30	22	5.2	.012	--	.500	--
81-08-27	--	--	25	--	--	--	8.0	--	--	3.5	.060	<100
81-09-29	--	--	24	--	22	14	13	--	--	4.3	<.040	<100

DATE OF SAMPLE	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)	ZINC, DISSOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
80-10-21	860	390	<400	<.10
80-11-18	610	320	<400	<.10
81-07-22	500	430	400	<.10
81-08-04	500	340	--	<.02
81-08-27	2630	240	<400	<.10
81-09-29	700	230	<400	<.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	TIME	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)
404257073202401	S 43818	112GLCLU	80-10-27	0840	30	270	5.6	16.0	1.0
		112GLCLU	80-11-18	1100	30	240	5.8	16.0	4.6
		112GLCLU	81-07-21	1430	30	--	5.7	12.5	--
		112GLCLU	81-08-04	1300	30	245	5.9	14.0	.1
		112GLCLU	81-08-12	1030	30	--	5.9	14.0	1.7
		112GLCLU	81-08-12	1045	30	--	5.8	14.0	1.8
		112GLCLU	81-08-12	1100	30	--	5.8	14.0	1.8
		112GLCLU	81-08-12	1115	30	--	5.7	14.0	1.8
		112GLCLU	81-08-12	1130	30	--	5.7	14.0	1.7
		112GLCLU	81-08-12	1145	30	--	5.7	14.0	1.8
		112GLCLU	81-08-12	1200	30	--	5.7	14.0	1.8
404250073202302	S 43819	112GLCLU	80-10-27	0941	73	222	5.6	13.0	--
		112GLCLU	80-11-18	1200	73	205	5.9	13.0	7.2
		112GLCLU	81-07-22	1200	73	--	5.8	14.0	.2
		112GLCLU	81-08-04	1400	73	205	5.8	13.0	.2
404649073184001	S 43820	112GLCLU	81-08-31	1400	92	240	5.6	12.0	3.0

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 FIELD (MG/L AS CACO3)	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, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	COPPER, DISSOLVED (UG/L AS CU)
80-10-27	--	--	24	--	31	40	24	--	--	5.4	4.20	<100
80-11-18	--	--	24	--	--	40	25	--	--	5.7	3.90	<100
81-07-21	--	--	32	--	28	36	27	--	--	5.8	1.00	<100
81-08-04	18	3.2	24	6.0	34	35	30	6.0	.001	--	3.60	--
81-08-12	--	--	25	--	33	37	28	--	--	6.5	<.040	<100
81-08-12	--	--	25	--	32	38	28	--	--	6.6	3.75	<100
81-08-12	--	--	24	--	32	38	28	--	--	6.5	3.65	<100
81-08-12	--	--	25	--	31	38	27	--	--	6.6	3.70	<100
81-08-12	--	--	25	--	31	38	28	--	--	6.6	3.70	<100
81-08-12	--	--	25	--	31	38	28	--	--	6.7	3.45	<100
81-08-12	--	--	25	--	31	38	28	--	--	6.6	3.45	<100
80-10-27	--	--	22	--	15	30	23	--	--	7.4	.150	<100
80-11-18	--	--	21	--	--	32	24	--	--	7.4	.180	<100
81-07-22	--	--	23	--	19	29	--	--	--	7.6	.170	<100
81-08-04	10	7.0	22	2.5	15	29	27	7.7	.002	--	.300	--
81-08-31	26	4.5	18	4.5	0	23	16	19	.026	--	<.200	--

DATE OF SAMPLE	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)	ZINC, DISSOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
80-10-27	220	1210	<400	<.10
80-11-18	240	1279	400	.10
81-07-21	<100	1770	1700	<.10
81-08-04	200	1500	--	.08
81-08-12	<100	1399	<400	<.10
81-08-12	<100	1420	<400	<.10
81-08-12	<100	1409	<400	<.10
81-08-12	<100	1409	<400	<.10
81-08-12	<100	1420	<400	<.10
81-08-12	<100	1399	<400	<.10
81-08-12	<100	1420	<400	<.10
80-10-27	920	90	<400	<.10
80-11-18	700	150	<400	<.10
81-07-22	890	190	<400	<.10
81-08-04	700	100	--	.02
81-08-31	400	2700	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	TIME	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)
404302073185501	S 43821	112GLCLU	80-11-12	1300	31	290	6.2	15.0	8.3
		112GLCLU	81-07-22	1315	31	--	6.2	13.0	.4
		112GLCLU	81-08-06	1300	31	--	6.2	12.0	.3
		112GLCLU	81-08-20	1300	31	--	--	--	--
404302073185502	S 43822	112GLCLU	80-11-12	1110	69	80	6.3	13.0	2.2
		112GLCLU	81-08-06	1100	69	--	6.0	13.0	.1
405254073214201	S 44914 CENTERPORT	112GLCLU	80-11-24	1100	22	102	--	11.0	13.2
		112GLCLU	81-07-20	1230	22	--	6.4	14.0	9.1
		112GLCLU	81-09-29	1000	22	--	5.9	13.0	8.5
404812073041201	S 44918	112GLCLU	80-10-22	0840	82	115	5.5	11.0	11.0
		112GLCLU	81-06-02	1300	82	120	5.4	11.0	10.2
		112GLCLU	81-09-08	1000	82	155	6.1	11.0	12.5
405330073242401	S 45053	112GLCLU	81-07-29	1030	114	--	7.1	12.5	8.0
405132073181401	S 45207	112GLCLU	81-07-27	1145	142	--	6.7	13.5	8.2

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 FIELD (MG/L AS CACO3)	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, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	COPPER, DISSOLVED (UG/L AS CU)
80-11-12	--	--	35	--	--	29	48	--	--	.70	1.26	<100
81-07-22	--	--	65	--	76	21	91	--	--	2.0	5.90	<100
81-08-06	--	--	56	--	--	23	75	--	--	2.1	5.80	<100
81-08-20	--	--	--	--	74	--	--	--	--	--	--	--
80-11-12	--	--	7.7	--	--	18	4.0	--	--	<.40	<.040	<100
81-08-06	--	--	9.2	--	16	10	13	--	--	2.1	.040	<100
80-11-24	--	--	9.2	--	--	8.0	14	--	--	3.3	<.040	<100
81-07-20	--	--	6.3	--	22	8.0	13	--	--	2.6	<.040	<100
81-09-29	--	--	9.6	--	9	40	14	--	--	2.6	<.040	<100
80-10-22	4.3	2.8	15	.7	5	8.1	22	.33	.002	--	.060	--
81-06-02	4.5	3.0	15	.8	4	8.1	37	.34	.001	--	.050	--
81-09-08	5.5	3.0	22	1.0	15	13	37	.36	.002	--	<.050	--
81-07-29	--	--	5.4	--	46	22	15	--	--	5.8	<.040	<100
81-07-27	--	--	18	--	35	25	17	--	--	10	<.040	<100

DATE OF SAMPLE	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)	ZINC, DISSOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
80-11-12	2290	1590	<400	<.10
81-07-22	3810	2180	500	.10
81-08-06	1090	1950	<400	.10
81-08-20	--	--	--	--
80-11-12	1820	150	<400	<.10
81-08-06	1410	290	<400	<.10
80-11-24	<100	100	<400	<.10
81-07-20	<100	<50	<400	<.10
81-09-29	<100	<50	<400	<.10
80-10-22	300	50	--	--
81-06-02	100	20	--	--
81-09-08	200	30	--	--
81-07-29	150	<50	<400	<.10
81-07-27	350	<50	<400	<.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	TIME	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)
405005073233701	S 45208	112GLCLU	81-08-19	1030	133	--	5.8	15.0	3.9
		112GLCLU	81-08-19	1045	133	--	5.7	15.0	4.0
		112GLCLU	81-08-19	1100	133	--	5.7	15.0	3.8
		112GLCLU	81-08-19	1115	133	370	--	15.0	3.8
404945073174501	S 45210	112GLCLU	81-07-27	1330	107	--	7.0	14.0	7.2
		112GLCLU	81-09-30	1500	107	--	6.8	12.3	9.0
405356073192001	S 45212	112GLCLU	81-07-27	1015	111	--	7.0	12.0	8.3
404400073154402	S 45446	112GLCLU	80-11-05	0910	38	240	4.7	15.0	--
		112GLCLU	81-08-31	1000	38	250	5.0	14.0	.4
404606073050001	S 45447	112GLCLU	81-09-01	1000	79	290	6.0	12.0	4.0
404920073150901	S 45594	112GLCLU	81-07-27	1500	80	--	6.7	12.0	10.0
404508073080902	S 45636	112GLCLU	80-11-05	1159	26	170	5.0	12.0	3.7
		112GLCLU	80-12-15	1440	26	155	5.1	12.0	10.6
		112GLCLU	81-09-09	1400	26	145	5.5	12.0	6.3

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 FIELD (MG/L AS CACO3)	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, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	COPPER, DISSOLVED (UG/L AS CU)
81-08-19	--	--	22	--	28	51	21	--	--	15	.040	<100
81-08-19	--	--	21	--	27	53	21	--	--	15	<.040	<100
81-08-19	--	--	22	--	27	52	21	--	--	15	<.040	<100
81-08-19	--	--	--	--	--	54	21	--	--	15	<.040	--
81-07-27	--	--	13	--	45	37	14	--	--	14	.040	<100
81-09-30	--	--	14	--	39	34	13	--	--	--	<.040	<100
81-07-27	--	--	24	--	60	24	26	--	--	12	<.040	<100
80-11-05	--	--	21	--	3	43	22	--	--	9.1	.870	<100
81-08-31	16	2.7	26	5.2	5	36	28	11	.016	--	1.30	--
81-09-01	21	4.1	43	4.5	12	27	75	3.3	<.002	--	<.200	--
81-07-27	--	--	3.5	--	33	28	4.0	--	--	.90	<.040	<100
80-11-05	--	--	16	--	4	14	19	--	--	7.5	<.040	<100
80-12-15	10	3.0	17	4.0	6	16	17	7.5	.002	--	<.050	--
81-09-09	9.0	3.0	13	3.2	9	15	15	6.3	<.002	--	<.200	--

DATE OF SAMPLE	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)	ZINC, DISSOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
81-08-19	280	220	400	<.10
81-08-19	260	180	<400	<.10
81-08-19	260	170	400	<.10
81-08-19	--	--	--	<.10
81-07-27	260	<50	<400	<.10
81-09-30	130	<50	<400	<.10
81-07-27	<180	<50	<400	<.10
80-11-05	710	1960	<400	<.10
81-08-31	400	1300	--	--
81-09-01	500	140	--	--
81-07-27	290	<50	<400	<.10
80-11-05	190	190	<400	<.10
80-12-15	200	200	--	--
81-09-09	100	100	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	TIME	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)
404508073080901	S 45637	112GLCLU	80-11-05	1300	79	68	6.5	11.0	8.5
		112GLCLU	80-12-15	1330	79	73	7.4	12.0	12.0
		112GLCLU	81-09-09	1300	79	68	8.0	11.0	9.3
404635073101602	S 45718	112GLCLU	80-11-05	0700	24	245	5.1	14.0	2.8
		112GLCLU	80-12-15	0950	24	240	5.2	13.0	--
		112GLCLU	81-09-09	1000	24	270	5.7	13.0	3.3
404635073101601	S 45719	112GLCLU	80-11-05	0615	78	106	6.7	12.0	6.2
		112GLCLU	80-12-15	1055	78	104	6.4	12.0	11.2
		112GLCLU	81-09-09	1100	78	93	6.9	12.0	7.3
404716073131602	S 45720	112GLCLU	81-09-03	1300	78	--	6.4	13.0	8.2
404516073122802	S 45721	112GLCLU	80-11-18	1500	34	420	5.8	13.0	7.2
		112GLCLU	81-03-25	1000	34	360	5.5	12.0	2.6
		112GLCLU	81-09-01	1000	34	275	5.8	13.0	.6

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 FIELD (MG/L AS CACO3)	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, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	COPPER, DISSOLVED (UG/L AS CU)
80-11-05	--	--	3.6	--	23	<4.0	5.0	.50	--	--	<.040	<100
80-12-15	5.8	3.0	4.0	.6	24	1.7	4.5	1.2	<.001	--	<.050	--
81-09-09	7.0	3.1	4.0	.5	31	1.4	4.8	.53	.001	.53	<.050	--
80-11-05	--	--	19	--	5	30	27	--	--	12	<.040	<100
80-12-15	16	4.5	22	14	6	28	29	11	.001	--	<.050	--
81-09-09	22	6.0	23	12	9	27	33	15	.004	--	<.200	--
80-11-05	--	--	8.4	--	19	5.0	9.0	--	--	3.0	<.040	<100
80-12-15	7.0	2.8	8.6	9.0	18	5.9	8.1	3.0	.002	--	.040	--
81-09-09	6.4	2.9	7.8	.7	21	4.3	9.6	3.0	.003	--	<.200	--
81-09-03	--	--	11	--	--	--	21	--	--	3.3	.380	<100
80-11-18	--	--	78	--	--	37	125	--	--	2.4	.040	<100
81-03-25	12	2.1	70	3.4	11	24	100	2.0	.002	--	.050	--
81-09-01	13	2.4	50	2.9	14	22	72	2.1	<.002	--	<.200	--

DATE OF SAMPLE	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)	ZINC, DISSOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
80-11-05	<100	<50	<400	<.10
80-12-15	100	<10	--	--
81-09-09	70	<10	--	--
80-11-05	230	930	400	<.10
80-12-15	200	1000	--	--
81-09-09	100	700	--	--
80-11-05	250	<50	<400	<.10
80-12-15	150	<100	--	--
81-09-09	200	20	--	--
81-09-03	<100	<50	<400	<.10
80-11-18	1439	190	600	<.10
81-03-25	900	180	--	--
81-09-01	1199	360	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	TIME	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)
404516073122801	S 45722	112GLCLU	80-11-18	1300	87	195	6.1	12.0	6.0
		112GLCLU	81-03-25	1130	87	165	5.6	12.0	3.1
		112GLCLU	81-09-01	1100	87	190	5.9	12.0	.2
405231073250500	S 46281	112GLCLU	81-07-29	1200	47	--	7.0	12.0	8.7
404823073211800	S 46283	112GLCLU	81-07-20	1100	235	--	--	11.5	--
		112GLCLU	81-09-20	1100	235	--	6.4	--	11.5
404848073073401	S 46284	112GLCLU	81-09-03	1100	104	--	5.7	12.0	9.0
404400073154401	S 46287	112GLCLU	80-11-05	1050	85	205	6.7	13.0	.0
		112GLCLU	81-08-31	1100	85	200	--	--	--
404606073050002	S 46502	112GLCLU	81-09-01	1400	40	365	6.4	12.0	5.3
404920072484502	S 46911	112GLCLU	81-05-05	1000	31	52	5.6	9.0	8.1
		112GLCLU	81-09-21	1300	31	65	6.1	14.0	8.2

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 FIELD (MG/L AS CACO3)	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, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	COPPER, DISSOLVED (UG/L AS CU)
80-11-18	--	--	20	--	--	14	20	--	--	10	.150	<100
81-03-25	5.8	5.2	18	1.3	15	12	15	9.1	.005	--	.090	--
81-09-01	10	6.5	23	1.3	24	17	22	7.8	<.002	--	<.200	--
81-07-29	--	--	12	--	49	18	16	--	--	9.2	<.040	<100
81-07-20	--	--	--	--	--	--	7.0	--	--	1.4	<.040	--
81-09-20	--	--	13	--	8	<4.0	--	--	--	--	--	<100
81-09-03	--	--	12	--	--	--	17	--	--	12	.060	<50
80-11-05	--	--	21	--	23	<4.0	20	--	--	14	<.040	<100
81-08-31	11	5.6	26	1.5	18	1.1	25	--	--	--	--	--
81-09-01	20	3.0	66	4.1	46	32	81	1.6	<.002	--	<.200	--
81-05-05	1.5	.5	7.9	.8	6	3.7	8.3	.73	.001	--	.050	--
81-09-21	2.2	.7	9.0	1.0	6	5.9	11	.59	.001	--	<.050	--

DATE OF SAMPLE	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)	ZINC, DISSOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
80-11-18	590	80	500	.10
81-03-25	400	40	--	--
81-09-01	400	30	--	--
81-07-29	<100	<50	<400	<.10
81-07-20	--	--	--	--
81-09-20	280	<50	<400	<.10
81-09-03	200	170	<400	<.10
80-11-05	1020	120	<400	.20
81-08-31	500	40	--	--
81-09-01	300	10	--	--
81-05-05	100	<10	--	--
81-09-21	100	<10	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	TIME	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)
404919072484501	S 46912	112GLCLU	81-05-05	1100	22	125	5.2	11.0	7.7
		112GLCLU	81-09-21	1100	22	210	5.6	14.0	7.0
404920072484602	S 46913	112GLCLU	80-12-09	--	20	59	6.9	--	--
		112GLCLU	81-04-09	--	20	77	6.8	--	--
		112GLCLU	81-06-05	--	20	46	6.3	--	--
404917072484501	S 46914	112GLCLU	80-12-09	--	34	113	6.0	--	--
		112GLCLU	81-04-09	--	34	82	6.6	--	--
		112GLCLU	81-06-05	--	34	83	6.1	--	--
405254073214202	S 46962	112GLCLU	80-11-24	1300	62	138	--	11.0	11.6
		112GLCLU	81-07-20	1445	62	--	7.0	10.5	7.4
		112GLCLU	81-09-29	1100	62	--	6.6	10.0	7.6
405226073095701	S 46963	112GLCLU	81-07-30	1030	128	--	6.2	13.0	9.7
		112GLCLU	81-09-30	1200	128	--	6.3	11.5	9.3
405225073152200	S 46964	112GLCLU	81-07-28	1000	101	--	6.5	12.0	7.7

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 FIELD (MG/L AS CACO3)	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, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	COPPER, DISSOLVED (UG/L AS CU)
81-05-05	9.5	1.3	40	1.8	11	18	54	1.9	.002	--	.070	--
81-09-21	7.2	1.3	31	1.9	11	12	51	1.3	.001	--	<.050	--
80-12-09	--	--	--	--	12	1.6	1.5	<.01	<.010	--	<.010	--
81-04-09	--	--	--	--	24	2.4	6.0	<.01	<.010	--	<.010	--
81-06-05	--	--	--	--	17	1.8	1.0	.17	<.010	--	<.010	--
80-12-09	--	--	--	--	16	12	45	.26	<.010	--	<.010	--
81-04-09	--	--	--	--	8	5.1	13	.75	<.010	--	<.010	--
81-06-05	--	--	--	--	11	8.6	13	.45	<.010	--	<.010	--
80-11-24	--	--	9.8	--	--	13	13	--	--	4.3	<.040	<100
81-07-20	--	--	9.1	--	95	15	13	--	--	4.8	<.040	<100
81-09-29	--	--	9.7	--	23	9.0	16	--	--	4.1	<.040	<100
81-07-30	--	--	18	--	18	14	27	--	--	4.4	<.040	<100
81-09-30	--	--	19	--	17	15	23	--	--	2.8	2.50	<100
81-07-28	--	--	7.8	--	43	<4.0	10	--	--	2.6	<.040	<100

DATE OF SAMPLE	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)	ZINC, DISSOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
81-05-05	1500	250	--	--
81-09-21	900	300	--	--
80-12-09	70	<10	--	<.02
81-04-09	290	20	--	<.02
81-06-05	100	<10	--	<.02
80-12-09	130	<10	--	<.02
81-04-09	190	20	--	<.02
81-06-05	170	<10	--	<.02
80-11-24	160	<50	<400	<.10
81-07-20	140	<50	<400	<.10
81-09-29	<100	<50	<400	<.10
81-07-30	320	<50	<400	<.10
81-09-30	230	60	<400	<.10
81-07-28	1580	<50	<400	<.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	TIME	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
405230073164400	S 46965	112GLCLU	81-07-28	1130	147	--	6.6	13.0	7.4
404759073251600	S 47220	112GLCLU	81-07-30	1200	92	--	6.1	10.5	10.8
404817072532500	S 47224	112GLCLU	81-02-17	1450	33	61	5.6	10.0	4.6
		112GLCLU	81-05-05	1400	33	60	5.4	9.0	2.8
		112GLCLU	81-07-15	1345	33	--	5.3	9.5	3.6
405218072561101	S 47225	112GLCLU	80-12-17	1245	31	205	--	11.0	10.2
		112GLCLU	81-06-30	1400	31	--	5.2	10.0	4.5
		112GLCLU	81-09-28	1000	31	260	5.5	11.0	3.3
405240072491402	S 47226	112GLCLU	80-12-09	--	27	38	6.1	--	--
		112GLCLU	81-04-09	--	27	58	6.5	--	--
		112GLCLU	81-06-05	--	27	58	5.9	--	--
405240072491401	S 47227	112GLCLU	80-12-09	--	100	--	7.5	--	--
		112GLCLU	81-04-08	--	100	107	7.0	--	--
		112GLCLU	81-06-04	--	100	106	7.0	--	--

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 FIELD (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, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	COPPER, DIS-SOLVED (UG/L AS CU)
81-07-28	--	--	63	--	45	24	126	--	--	2.2	<.040	<100
81-07-30	--	--	2.2	--	6	<.1	15	--	--	<.40	<.040	<100
81-02-17	2.4	1.2	5.4	1.6	7	6.8	8.0	.20	.002	--	<.050	--
81-05-05	2.5	1.2	5.2	1.7	9	6.6	8.4	.45	.002	--	.060	--
81-07-15	--	--	4.7	--	5	7.0	6.0	--	--	.50	<.040	<100
80-12-17	--	--	10	--	--	43	20	--	--	6.4	.040	<100
81-06-30	--	--	23	--	7	64	21	--	--	7.5	<.040	<100
81-09-28	22	3.2	26	5.4	0	45	24	8.3	.001	--	<.050	--
80-12-09	--	--	--	--	12	7.4	6.0	<.01	<.010	--	.100	--
81-04-09	--	--	--	--	13	7.4	5.5	<.01	<.010	--	<.010	--
81-06-05	--	--	--	--	14	7.2	5.0	<.01	<.010	--	.110	--
80-12-09	--	--	--	--	42	4.3	4.5	<.01	<.010	--	.050	--
81-04-08	--	--	--	--	43	5.0	4.5	<.01	<.010	--	<.010	--
81-06-04	--	--	--	--	43	3.7	4.0	<.01	<.010	--	<.010	--

DATE OF SAMPLE	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	ZINC, DIS-SOLVED (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
81-07-28	2110	80	<400	<.10
81-07-30	<100	<50	<400	<.10
81-02-17	1200	200	--	--
81-05-05	1600	180	--	--
81-07-15	910	210	<400	<.10
80-12-17	240	<50	<400	<.10
81-06-30	<100	<50	<400	<.20
81-09-28	200	20	--	--
80-12-09	5030	140	--	<.02
81-04-09	5060	180	--	<.02
81-06-05	4870	130	--	<.02
80-12-09	520	270	--	<.02
81-04-08	610	280	--	<.02
81-06-04	680	290	--	<.02

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	TIME	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)
405306072482701	S 47228	112GLCLU	80-10-29	1450	101	86	5.7	12.0	.0
		112GLCLU	81-01-27	1450	101	69	6.6	11.0	1.8
		112GLCLU	81-03-31	1030	101	71	7.0	11.0	.8
		112GLCLU	81-05-26	1300	101	69	5.4	13.0	1.0
405306072482702	S 47229	112GLCLU	80-10-29	1450	26	99	5.4	14.0	4.5
		112GLCLU	81-01-27	1330	26	77	5.9	13.0	8.7
		112GLCLU	81-03-31	1130	26	83	6.4	11.0	4.1
		112GLCLU	81-05-26	1400	26	88	4.8	11.0	3.6
405541072375300	S 47231	112GLCLU	81-01-28	1000	40	85	5.3	12.0	4.4
		112GLCLU	81-07-07	1400	40	145	5.2	11.0	2.8
410348072272900	S 47233	112GLCLU	81-03-02	1440	51	285	7.2	11.0	8.0
		112GLCLU	81-06-10	1300	51	260	5.8	11.0	9.0
410213072232700	S 47234	112GLCLU	81-03-02	1140	27	100	7.4	12.0	.7
410037072145101	S 47235	112GLCLU	81-04-24	1100	22	700	6.1	12.0	10.0
		112GLCLU	81-08-05	1100	22	--	6.3	16.0	2.2

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 FIELD (MG/L AS CACO3)	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, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	COPPER, DISSOLVED (UG/L AS CU)
80-10-29	1.0	.3	6.3	.4	29	.9	13	<.02	<.001	--	<.050	--
81-01-27	1.2	.3	5.7	.3	20	1.5	10	<.02	.003	--	.060	--
81-03-31	--	--	8.4	--	--	<4.0	11	--	--	<.40	<.040	<100
81-05-26	1.0	.3	5.2	.4	17	1.3	12	.05	.001	--	.070	--
80-10-29	4.5	1.8	12	1.7	6	7.7	19	.83	<.001	--	.050	--
81-01-27	3.6	1.3	8.2	1.6	7	9.7	10	.90	.002	--	.060	--
81-03-31	--	--	8.4	--	--	11	9.0	--	--	.80	<.040	<100
81-05-26	5.2	1.7	11	1.5	6	13	10	1.4	.001	--	.050	--
81-01-28	5.1	1.4	6.9	1.2	5	17	9.4	1.1	.002	--	.120	--
81-07-07	6.9	2.1	15	1.9	12	15	26	2.1	.001	--	.090	--
81-03-02	23	15	17	1.7	27	70	23	7.4	.003	--	<.050	--
81-06-10	25	18	16	1.4	16	72	26	6.5	.001	--	.050	--
81-03-02	--	--	--	--	61	--	5.2	.13	.003	--	4.40	--
81-04-24	18	15	150	4.8	49	21	280	.02	.002	--	.900	--
81-08-05	--	--	160	--	39	20	260	--	--	.70	1.05	<100

DATE OF SAMPLE	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)	ZINC, DISSOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
80-10-29	15000	200	--	--
81-01-27	11000	160	--	--
81-03-31	8700	140	<400	--
81-05-26	10000	120	--	--
80-10-29	560	150	--	--
81-01-27	300	120	--	--
81-03-31	230	80	<400	--
81-05-26	400	70	--	--
81-01-28	200	150	--	--
81-07-07	700	270	--	--
81-03-02	300	<10	--	--
81-06-10	200	<10	--	--
81-03-02	--	--	--	--
81-04-24	22000	660	--	--
81-08-05	12800	630	<400	<.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	TIME	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)
410156072133601	S 47236	112GLCLU	81-04-29	1000	57	94	5.9	14.0	8.4
		112GLCLU	81-08-05	1200	57	--	6.6	13.0	--
405111073065801	S 47675	112GLCLU	81-06-02	1000	90	200	8.1	12.0	10.1
		112GLCLU	81-07-08	1230	90	--	6.7	12.5	8.4
		112GLCLU	81-09-08	1400	90	270	6.7	13.0	8.4
405307073060901	S 47698	112GLCLU	80-12-30	1530	103	61	--	10.0	10.6
		112GLCLU	81-05-20	1300	103	54	5.3	10.0	11.3
		112GLCLU	81-07-06	1430	103	--	6.5	12.0	11.0
404941073065401	S 47718	112GLCLU	80-11-24	1430	51	165	--	12.0	7.6
		112GLCLU	81-06-02	1100	51	155	6.4	12.0	.4
		112GLCLU	81-07-15	1445	51	--	6.2	12.0	.2
404642073005801	S 47743	112GLCLU	80-11-24	1400	100	71	--	12.0	9.3
		112GLCLU	81-05-18	1400	100	73	6.0	13.0	1.5
		112GLCLU	81-08-06	1115	100	--	6.9	12.5	2.2
		112GLCLU	81-09-10	1100	100	--	6.8	12.0	.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 FIELD (MG/L AS CACO3)	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, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	COPPER, DISSOLVED (UG/L AS CU)
81-04-29	3.4	2.6	11	.8	13	10	14	.32	.001	--	.100	--
81-08-05	--	--	12	--	17	10	16	--	--	1.0	<.040	<100
81-06-02	18	5.0	22	2.0	39	13	25	7.8	.001	--	.050	--
81-07-08	--	--	30	--	48	9.0	52	--	--	9.3	<.040	<100
81-09-08	20	4.6	37	2.9	63	12	48	5.7	.006	--	<.200	--
80-12-30	--	--	3.7	--	--	<4.0	8.0	--	--	1.0	<.040	<100
81-05-20	2.4	1.3	4.9	.6	6	3.4	8.7	.68	<.001	--	<.050	--
81-07-06	--	--	6.0	--	18	<4.0	8.0	--	--	.90	<.040	<100
80-11-24	--	--	17	--	--	14	22	--	--	<.40	.910	<100
81-06-02	11	3.4	13	3.2	46	16	18	1.0	.001	--	.070	--
81-07-15	--	--	14	--	43	14	18	--	--	<.40	.960	<100
80-11-24	--	--	4.5	--	--	<4.0	4.0	--	--	<.40	<.040	<100
81-05-18	6.0	1.8	5.7	.7	26	3.7	6.1	.08	.001	--	.050	--
81-08-06	--	--	4.5	--	32	<4.0	5.0	--	--	<.40	<.040	<100
81-09-10	--	--	4.4	--	--	--	6.0	--	--	.40	<.040	<100

DATE OF SAMPLE	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)	ZINC, DISSOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
81-04-29	220	60	--	--
81-08-05	<100	<50	<400	<.10
81-06-02	200	30	--	--
81-07-08	500	70	<400	<.10
81-09-08	400	60	--	--
80-12-30	200	<50	500	<.10
81-05-20	250	20	--	--
81-07-06	<100	<50	<400	<.10
80-11-24	1460	310	<400	<.10
81-06-02	2200	350	--	--
81-07-15	2790	510	<400	<.10
80-11-24	840	150	<400	<.10
81-05-18	600	150	--	--
81-08-06	680	110	<400	<.10
81-09-10	660	140	<400	<.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	TIME	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
404740072545200	S 47747	112GLCLU	80-12-17	0950	33	68	--	11.0	10.4
		112GLCLU	81-03-24	1130	33	75	5.3	10.0	7.9
		112GLCLU	81-05-12	1320	33	64	5.4	11.0	7.9
		112GLCLU	81-09-29	1300	33	73	5.6	11.0	6.6
405338072530401	S 47749	112GLCLU	80-12-16	1245	32	230	5.5	14.0	8.2
		112GLCLU	81-03-23	1430	32	250	5.2	12.0	7.8
		112GLCLU	81-05-11	1320	32	290	4.9	12.0	6.6
405004072515400	S 47750	112GLCLU	81-05-11	1430	95	52	5.6	11.0	11.7
		112GLCLU	81-07-14	1315	95	--	6.4	11.0	11.2
		112GLCLU	81-09-22	1400	95	53	6.3	10.0	11.2
404607072594702	S 47751	112GLCLU	80-11-24	1000	38	--	--	13.0	9.2
		112GLCLU	81-01-06	1330	38	195	--	14.0	9.5
		112GLCLU	81-03-24	1430	38	200	4.9	12.0	3.0
		112GLCLU	81-05-12	1000	38	195	5.4	12.0	2.6
		112GLCLU	81-06-29	1300	38	--	5.6	15.0	8.7

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 FIELD (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, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	COPPER, DIS-SOLVED (UG/L AS CU)
80-12-17	--	--	8.1	--	--	6.0	13	--	--	<.40	<.040	<100
81-03-24	1.5	1.6	9.0	.9	3	6.2	15	.26	.002	--	<.050	--
81-05-12	1.7	1.4	7.1	.8	4	6.6	13	.07	.001	--	<.050	--
81-09-29	1.6	1.7	9.5	.9	4	6.1	17	.05	.001	--	<.050	--
80-12-16	11	2.8	37	2.9	14	30	47	1.9	.003	--	.050	--
81-03-23	15	4.0	34	3.4	11	36	46	2.5	.002	--	<.005	--
81-05-11	22	6.0	36	3.0	14	40	53	4.2	.002	--	.070	--
81-05-11	2.8	1.1	4.5	.4	7	6.9	7.5	<.02	.002	--	.040	--
81-07-14	--	--	4.7	--	12	6.0	6.0	--	--	<.40	<.040	<100
81-09-22	3.6	1.2	4.7	.4	8	5.9	6.8	<.20	<.001	--	<.050	--
80-11-24	--	--	20	--	--	21	34	--	--	6.8	<.040	<100
81-01-06	--	--	20	--	--	24	32	--	--	6.6	<.040	<100
81-03-24	13	3.2	21	4.0	3	25	28	7.4	.002	--	<.050	--
81-05-12	14	3.5	20	3.8	5	25	28	8.6	.002	--	.070	--
81-06-29	--	--	22	--	7	<4.0	25	--	--	11	.060	<100

DATE OF SAMPLE	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	ZINC, DIS-SOLVED (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
80-12-17	150	<50	<400	<.10
81-03-24	150	10	--	--
81-05-12	200	<10	--	--
81-09-29	250	20	--	--
80-12-16	600	400	--	--
81-03-23	420	530	--	--
81-05-11	100	860	--	--
81-05-11	200	<10	--	--
81-07-14	160	<50	<400	<.10
81-09-22	300	<10	--	--
80-11-24	460	150	<400	<.10
81-01-06	480	180	<400	<.10
81-03-24	200	230	--	--
81-05-12	400	270	--	--
81-06-29	<100	200	<400	<.20

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	TIME	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)
404607072594701	S 47752	112GLCLU	80-11-24	1100	100	80	--	13.0	9.8
		112GLCLU	81-01-06	1450	100	72	6.9	14.0	10.0
		112GLCLU	81-03-24	1310	100	70	6.6	12.0	2.0
		112GLCLU	81-05-12	1130	100	69	6.6	12.0	2.8
		112GLCLU	81-06-29	1145	100	--	8.0	12.0	2.8
405136072464500	S 47755	112GLCLU	80-12-08	1349	58	49	--	14.0	7.4
		112GLCLU	81-05-04	1300	58	51	5.4	12.0	7.2
		112GLCLU	81-07-07	1245	58	--	5.5	12.5	5.0
		112GLCLU	81-09-22	1300	58	55	5.6	13.0	6.9
405008073025501	S 47757	112GLCLU	80-10-22	1006	138	130	5.7	13.0	5.1
		112GLCLU	81-01-19	1000	138	--	--	13.0	4.8
		112GLCLU	81-07-08	1100	138	--	6.1	13.0	6.8
404852073050401	S 47758	112GLCLU	80-10-22	0941	102	320	5.7	12.0	10.2
		112GLCLU	81-08-06	1000	102	--	6.4	12.5	5.2
		112GLCLU	81-09-08	1100	102	215	6.3	12.0	11.4

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 FIELD (MG/L AS CACO3)	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, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	COPPER, DISSOLVED (UG/L AS CU)
80-11-24	--	--	4.6	--	--	<4.0	4.0	--	--	<.40	.050	<100
81-01-06	--	--	3.9	--	--	5.0	6.0	--	--	<.40	<.040	<100
81-03-24	4.7	2.7	4.4	.7	28	3.9	3.3	.07	.001	--	<.050	--
81-05-12	5.5	2.8	4.3	.7	30	3.1	5.0	<.05	.002	--	.050	--
81-06-29	--	--	4.3	--	131	<4.0	5.0	--	--	<.40	<.040	<100
80-12-08	--	--	4.0	--	--	7.0	6.0	--	--	<.40	<.040	<100
81-05-04	2.2	1.3	4.5	.9	3	7.4	8.0	.12	.001	--	.050	--
81-07-07	--	--	5.4	--	4	6.0	8.0	--	--	<.40	<.040	<100
81-09-22	3.2	1.5	4.6	.9	4	7.7	7.4	.08	<.001	--	<.050	--
80-10-22	9.2	3.6	8.8	1.0	41	3.7	11	1.1	.002	--	.070	--
81-01-19	--	--	11	--	--	4.0	23	--	--	1.4	<.040	<100
81-07-08	--	--	21	--	30	5.0	54	--	--	4.2	<.040	<100
80-10-22	13	4.6	60	3.0	14	21	93	1.1	.002	--	.060	--
81-08-06	--	--	36	--	22	25	50	--	--	1.8	<.040	<100
81-09-08	13	1.8	32	1.5	26	21	45	.99	<.002	--	<.050	--

DATE OF SAMPLE	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)	ZINC, DISSOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
80-11-24	1850	<50	<400	<.10
81-01-06	730	<50	<400	<.10
81-03-24	300	<10	--	--
81-05-12	400	<100	--	--
81-06-29	<100	<50	<400	<.20
80-12-08	<100	<50	<400	<.10
81-05-04	200	30	--	--
81-07-07	<100	<50	<400	<.10
81-09-22	200	<10	--	--
80-10-22	6500	100	--	--
81-01-19	7500	110	<400	<.10
81-07-08	2100	60	<400	<.10
80-10-22	800	100	--	--
81-08-06	230	<50	<400	<.10
81-09-08	300	40	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	TIME	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)
405648072555101	S 47945	112GLCLU	80-12-16	1110	142	76	5.9	11.0	9.3
		112GLCLU	81-05-11	1000	142	83	5.4	11.0	10.0
		112GLCLU	81-07-14	1200	142	--	5.5	11.0	10.0
		112GLCLU	81-09-24	1000	142	--	5.5	11.0	8.9
405604073064301	S 47973	112GLCLU	80-12-30	1030	90	210	--	12.0	9.6
		112GLCLU	81-07-14	1030	90	--	6.0	12.0	9.7
405532073025701	S 47974	112GLCLU	80-12-30	1155	149	128	--	12.0	11.2
		112GLCLU	81-05-19	1300	149	115	5.6	12.0	9.0
		112GLCLU	81-08-06	1300	149	142	6.9	13.0	9.0
404711072515000	S 47977	112GLCLU	81-01-06	1200	55	118	5.6	12.0	7.2
		112GLCLU	81-05-05	1300	55	120	5.0	12.0	7.4
		112GLCLU	81-07-14	1430	55	150	6.0	12.0	7.1
		112GLCLU	81-09-21	1400	55	165	5.3	11.0	5.9
405606072202701	S 48425	112GLCLU	81-02-03	1450	44	340	--	11.0	6.5
		112GLCLU	81-07-29	1400	44	370	--	11.0	8.2
		112GLCLU	81-08-19	1100	44	350	5.7	11.0	8.8

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 FIELD (MG/L AS CACO3)	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, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	COPPER, DISSOLVED (UG/L AS CU)
80-12-16	4.0	2.0	5.4	1.4	8	11	8.0	.69	.001	--	.050	--
81-05-11	5.3	2.2	5.4	.8	8	12	9.2	1.4	.003	--	.050	--
81-07-14	--	--	5.7	--	7	12	7.0	--	--	1.3	<.040	<100
81-09-24	--	--	6.2	--	--	10	7.0	--	--	.50	<.040	<100
80-12-30	--	--	6.4	--	--	66	9.0	--	--	2.7	<.040	<100
81-07-14	--	--	9.1	--	21	69	9.0	--	--	3.6	<.040	<100
80-12-30	--	--	12	--	--	11	18	--	--	2.2	<.040	<100
81-05-19	5.5	3.0	15	1.3	20	7.2	18	2.2	.001	--	<.050	--
81-08-06	--	--	18	--	51	7.0	19	--	--	2.6	<.040	<100
81-01-06	--	--	10	--	--	17	14	--	--	2.9	<.040	<100
81-05-05	6.8	2.9	11	2.0	7	16	18	2.4	.002	--	.050	--
81-07-14	--	--	11	--	15	16	16	--	--	5.1	<.040	<100
81-09-21	10	4.0	14	2.6	9	11	21	7.1	.003	--	<.050	--
81-02-03	--	--	8.8	--	--	--	27	--	--	8.6	<.040	<100
81-07-29	66	9.8	9.5	3.0	--	110	31	9.4	.006	--	<.200	--
81-08-19	57	9.1	11	2.9	0	130	31	9.5	.003	--	<.200	--

DATE OF SAMPLE	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)	ZINC, DISSOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
80-12-16	1500	80	--	--
81-05-11	1100	50	--	--
81-07-14	520	60	<400	<.10
81-09-24	660	<50	<400	<.10
80-12-30	190	<50	<400	<.10
81-07-14	<100	<50	<400	<.10
80-12-30	1290	110	500	<.10
81-05-19	500	40	--	--
81-08-06	290	50	<400	<.10
81-01-06	540	120	<400	<.10
81-05-05	1100	130	--	--
81-07-14	270	210	<400	<.10
81-09-21	400	300	--	--
81-02-03	360	<50	<400	<.10
81-07-29	300	20	--	--
81-08-19	300	10	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	TIME	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
405740072190001	S 48426	112GLCLU	81-02-02	1450	121	120	--	11.0	7.8
		112GLCLU	81-08-17	1400	121	160	6.3	11.0	11.8
405618072180501	S 48427	112GLCLU	81-02-02	1310	52	180	--	12.0	8.6
		112GLCLU	81-07-01	1400	52	195	6.9	12.0	15.3
		112GLCLU	81-08-17	1300	52	195	6.2	13.0	12.8
405704072165901	S 48428	112GLCLU	81-02-02	1130	71	70	--	11.0	11.2
		112GLCLU	81-08-17	1000	71	62	5.9	11.0	11.6
405807072121001	S 48429	112GLCLU	81-04-28	1020	66	118	6.3	11.0	2.7
		112GLCLU	81-08-04	1415	66	118	6.6	12.5	5.6
405501072215501	S 48430	112GLCLU	81-02-04	1000	39	57	5.5	11.0	11.6
		112GLCLU	81-07-30	1000	39	56	--	11.0	10.7
		112GLCLU	81-08-19	1400	39	56	5.6	11.0	10.4
405606072235701	S 48432	112GLCLU	81-02-04	1310	63	68	6.0	11.0	10.4
		112GLCLU	81-08-20	1100	63	75	6.2	11.0	10.8

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 FIELD (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, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	COPPER, DIS-SOLVED (UG/L AS CU)
81-02-02	--	--	11	--	--	--	13	--	--	2.4	<.040	<100
81-08-17	15	4.9	12	1.0	21	28	14	3.3	.002	--	.050	--
81-02-02	--	--	21	--	--	--	24	--	--	4.4	<.040	<100
81-07-01	18	4.4	12	3.6	21	30	17	7.2	.001	--	<.050	--
81-08-17	19	4.4	12	4.1	15	27	16	7.4	.003	--	.200	--
81-02-02	--	--	6.8	--	--	--	11	--	--	<.40	<.040	<100
81-08-17	1.4	1.5	6.7	.6	5	5.5	10	.14	.002	--	.070	--
81-04-28	9.0	2.4	6.0	3.9	23	24	4.8	.84	.025	--	.490	--
81-08-04	--	--	5.3	--	18	23	6.0	--	--	1.4	<.040	<100
81-02-04	--	--	5.3	--	3	--	13	--	--	<.40	<.040	<100
81-07-30	--	--	5.4	--	--	7.0	10	--	--	<.40	<.040	<100
81-08-19	1.2	1.4	5.8	.7	3	6.8	11	<.20	<.002	--	<.200	--
81-02-04	2.5	1.6	8.0	.7	8	7.5	9.5	.05	.003	--	.060	--
81-08-20	--	--	--	--	--	9.0	13	--	--	.60	<.040	<100

DATE OF SAMPLE	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	ZINC, DIS-SOLVED (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
81-02-02	210	<50	<400	<.10
81-08-17	200	20	--	--
81-02-02	540	<50	<400	<.10
81-07-01	400	40	--	--
81-08-17	300	20	--	--
81-02-02	230	<50	<400	<.10
81-08-17	200	<100	--	--
81-04-28	3900	720	--	--
81-08-04	1610	100	<400	<.10
81-02-04	<100	<50	<400	<.10
81-07-30	<100	<50	<400	<.10
81-08-19	100	<100	--	--
81-02-04	200	<10	--	--
81-08-20	<100	<50	400	<.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	TIME	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)
405227072352301	S 48434	112GLCLU	81-02-10	1000	187	98	6.4	10.0	9.3
		112GLCLU	81-08-11	1100	187	100	6.4	11.0	10.2
405051072353101	S 48435 E. QUOGUE	112GLCLU	81-02-10	1130	56	190	5.7	12.0	9.6
		112GLCLU	81-07-30	1200	56	112	--	12.0	9.8
		112GLCLU	81-09-03	1130	56	132	6.0	12.0	8.2
405831072171201	S 48437	112GLCLU	81-02-02	1000	69	60	--	11.0	10.0
		112GLCLU	81-08-17	1100	69	58	6.2	11.0	11.4
405844072191601	S 48438	112GLCLU	81-02-03	1320	78	80	--	9.0	9.4
405325072262702	S 48439	112GLCLU	81-02-09	1130	51	138	6.3	13.0	8.9
		112GLCLU	81-08-24	1300	51	180	6.3	13.0	9.4
405325072262701	S 48440	112GLCLU	81-02-09	1000	102	86	6.5	12.0	8.5
		112GLCLU	81-08-24	1100	102	85	6.7	12.0	9.2

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 FIELD (MG/L AS CACO3)	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, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	COPPER, DISSOLVED (UG/L AS CU)
81-02-10	7.0	3.0	8.0	.8	30	6.6	9.0	.17	.003	--	.060	--
81-08-11	7.8	3.5	8.5	1.0	33	6.4	9.6	.15	.001	--	.050	--
81-02-10	11	2.1	25	2.6	6	16	41	2.8	.003	--	.060	--
81-07-30	--	--	8.5	--	--	16	10	--	--	3.9	<.040	<100
81-09-03	--	--	8.1	--	15	--	11	--	--	4.2	.040	<100
81-02-02	--	--	6.6	--	--	--	9.0	--	--	<.40	<.040	<100
81-08-17	2.2	1.3	6.7	.5	9	5.0	8.6	.04	.002	--	.060	--
81-02-03	--	--	7.1	--	--	--	9.0	--	--	1.2	<.040	<100
81-02-09	8.4	2.8	17	1.1	17	7.0	27	1.3	.005	--	.080	--
81-08-24	11	3.4	21	1.2	16	7.0	41	1.2	<.002	--	<.200	--
81-02-09	4.3	2.3	8.0	.7	15	6.0	10	.74	.003	--	.060	--
81-08-24	5.8	2.2	8.5	.6	16	7.1	12	.70	<.002	--	<.200	--

DATE OF SAMPLE	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)	ZINC, DISSOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
81-02-10	400	60	--	--
81-08-11	500	20	--	--
81-02-10	400	100	--	--
81-07-30	150	<50	<400	<.10
81-09-03	120	<50	<400	<.10
81-02-02	170	<50	<400	<.10
81-08-17	200	<100	--	--
81-02-03	220	<50	<400	<.10
81-02-09	450	<10	--	--
81-08-24	400	30	--	--
81-02-09	200	<10	--	--
81-08-24	200	<100	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	TIME	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)
405349072234801	S 48441	112GLCLU	81-02-04	1450	61	155	6.1	12.0	9.8
		112GLCLU	81-07-30	1100	61	145	--	12.0	10.0
		112GLCLU	81-08-24	1000	61	155	6.1	12.0	9.8
404941072414801	S 48442 SPEONK	112GLCLU	81-02-17	1130	54	118	5.4	11.0	5.5
		112GLCLU	81-08-10	1200	54	118	5.6	11.0	11.8
405838072154001	S 48517	112GLCLU	81-04-29	1300	71	60	6.2	11.0	10.6
		112GLCLU	81-08-03	1330	71	63	6.9	12.0	9.5
405650072145201	S 48518	112GLCLU	81-04-29	1400	71	72	5.4	11.0	10.1
		112GLCLU	81-08-03	1100	71	77	6.1	11.5	5.8
410243071560101	S 48519	112GLCLU	81-04-20	1130	82	200	6.2	12.0	7.8
		112GLCLU	81-06-24	1100	82	200	6.2	12.0	7.5
		112GLCLU	81-09-02	1100	82	200	6.2	12.0	7.7
		112GLCLU	81-09-02	1245	82	245	6.8	12.5	6.9

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 FIELD (MG/L AS CACO3)	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, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	COPPER, DISSOLVED (UG/L AS CU)
81-02-04	15	3.3	7.4	3.0	9	35	11	1.8	.300	--	.050	--
81-07-30	--	--	7.0	--	--	35	12	--	--	1.5	<.040	<100
81-08-24	15	3.6	8.2	3.1	10	33	14	1.6	.003	--	<.200	--
81-02-17	2.5	1.0	20	.8	4	9.2	28	.25	.002	--	<.050	--
81-08-10	3.8	1.4	19	.9	4	6.8	32	.17	.001	--	<.050	--
81-04-29	2.8	1.3	7.0	.6	11	5.8	7.6	.03	.002	--	<.050	--
81-08-03	--	--	9.0	--	31	<4.0	13	--	--	.50	<.040	<100
81-04-29	2.9	2.0	7.0	1.1	5	9.6	10	.10	<.001	--	.150	--
81-08-03	--	--	8.4	--	10	6.0	11	--	--	.50	<.040	<100
81-04-20	11	6.0	23	3.5	35	14	33	2.0	.002	--	.040	--
81-06-24	14	9.5	24	2.8	38	14	36	1.9	.001	--	.040	--
81-09-02	11	6.5	24	2.9	48	13	35	1.9	.002	--	<.050	--
81-09-02	--	--	23	--	51	--	28	--	--	2.4	<.040	<100

DATE OF SAMPLE	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)	ZINC, DISSOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
81-02-04	200	<10	--	--
81-07-30	300	50	<400	<.10
81-08-24	300	60	--	--
81-02-17	300	40	--	--
81-08-10	300	50	--	--
81-04-29	250	30	--	--
81-08-03	<100	<50	<400	<.10
81-04-29	300	20	--	--
81-08-03	<100	<50	400	<.10
81-04-20	200	50	--	--
81-06-24	100	20	--	--
81-09-02	100	40	--	--
81-09-02	220	<50	<400	<.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	TIME	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
405818072132101	S 48520	112GLCLU	81-04-28	1420	59	150	5.5	11.0	10.0
		112GLCLU	81-07-01	1100	59	155	6.1	11.0	9.7
		112GLCLU	81-08-03	1215	59	170	6.3	11.0	9.5
405940072164701	S 48521	112GLCLU	81-08-03	1430	75	69	6.6	11.5	10.2
405858072062401	S 48522	112GLCLU	81-04-21	1420	92	142	6.5	11.0	10.3
		112GLCLU	81-08-05	1345	92	16	6.7	12.5	10.4
		112GLCLU	81-09-23	1400	92	140	--	11.0	10.5
410149071583201	S 48577	112GLCLU	81-04-21	1120	186	135	6.7	11.0	8.8
		112GLCLU	81-09-02	1400	186	139	6.3	11.0	9.9
		112GLCLU	81-09-02	1430	186	165	6.8	11.0	9.4
405928072110401	S 48578	112GLCLU	81-04-22	1120	32	215	6.1	12.0	1.0
		112GLCLU	81-08-04	1200	32	375	6.4	13.0	.8
		112GLCLU	81-09-30	1300	32	175	6.0	12.0	.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 FIELD (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, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	COPPER, DIS-SOLVED (UG/L AS CU)
81-04-28	7.4	4.6	12	7.8	11	8.6	24	3.6	.002	--	.100	--
81-07-01	7.4	4.4	12	6.4	14	9.2	25	5.3	.001	--	<.050	--
81-08-03	--	--	8.0	--	26	6.0	18	--	--	5.9	<.040	<100
81-08-03	--	--	9.3	--	23	<4.0	9.0	--	--	.60	<.040	<100
81-04-21	4.2	3.2	20	1.4	10	9.5	32	.15	.002	--	.070	--
81-08-05	--	--	20	--	16	8.0	32	--	--	.60	<.040	<100
81-09-23	4.5	3.5	22	1.4	--	8.3	33	.11	.001	--	<.050	--
81-04-21	6.5	3.5	16	1.4	18	5.5	25	.99	.003	--	.060	--
81-09-02	6.2	4.0	16	1.3	37	5.3	29	1.0	.002	--	<.050	--
81-09-02	--	--	15	--	38	--	32	--	--	1.5	<.040	<100
81-04-22	8.0	2.9	36	2.2	14	8.4	61	.70	.004	--	.140	--
81-08-04	--	--	59	--	20	5.0	92	--	--	1.3	.060	<100
81-09-30	5.8	2.3	28	2.0	13	10	42	.87	.003	--	.130	--

DATE OF SAMPLE	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	ZINC, DIS-SOLVED (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
81-04-28	320	80	--	--
81-07-01	200	110	--	--
81-08-03	<100	<50	<400	<.10
81-08-03	<100	<50	<400	<.10
81-04-21	200	30	--	--
81-08-05	230	<50	<400	<.10
81-09-23	200	<10	--	--
81-04-21	200	20	--	--
81-09-02	200	20	--	--
81-09-02	190	<50	<400	<.10
81-04-22	1000	110	--	--
81-08-04	1990	<50	<400	<.10
81-09-30	1100	70	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	TIME	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)
410316071535501	S 48579	112GLCLU	81-02-05	1340	66	190	6.0	12.0	5.7
		112GLCLU	81-08-26	1100	66	190	6.0	12.0	6.2
		112GLCLU	81-09-02	1130	66	240	6.9	12.5	5.5
410024072103201	S 48580	112GLCLU	81-04-22	1120	46	115	5.7	11.0	6.1
		112GLCLU	81-08-04	1100	46	150	6.0	11.5	5.3
		112GLCLU	81-09-30	1100	46	130	5.8	11.0	5.7
405308072322201	S 48581	112GLCLU	81-02-09	1450	76	60	6.2	11.0	10.0
		112GLCLU	81-08-25	1000	76	135	6.5	11.0	10.8
405225072371001	S 48582 OAKVILLE	112GLCLU	81-02-10	1310	105	205	5.7	11.0	8.6
		112GLCLU	81-08-25	1100	105	170	5.6	12.0	8.8
		112GLCLU	81-09-03	1030	105	210	6.1	12.0	8.6
405139072385001	S 48583 WESTHAMPTON	112GLCLU	81-02-11	1310	139	44	6.9	10.0	9.5
		112GLCLU	81-08-10	1100	139	55	6.4	11.0	11.9
405139072385002	S 48584 WESTHAMPTON	112GLCLU	81-02-11	1450	89	45	5.8	10.0	11.5
		112GLCLU	81-08-10	1000	89	47	6.3	11.0	12.8

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 FIELD (MG/L AS CACO3)	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, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	COPPER, DISSOLVED (UG/L AS CU)
81-02-05	--	--	27	--	26	--	38	--	--	1.0	<.040	<100
81-08-26	7.5	5.0	28	2.7	27	15	39	.80	<.002	--	<.200	--
81-09-02	--	--	28	--	71	--	38	--	--	1.7	<.040	<100
81-04-22	3.7	4.8	11	1.2	6	12	14	3.3	.003	--	.080	--
81-08-04	--	--	12	--	11	12	17	--	--	4.9	<.040	<100
81-09-30	4.4	5.5	12	1.3	8	16	16	3.7	.002	--	<.050	--
81-02-09	2.6	1.6	6.4	.7	9	5.9	7.7	.02	.004	--	.060	--
81-08-25	4.2	2.1	21	.8	11	6.5	35	<.20	<.002	--	<.200	--
81-02-10	8.8	6.6	25	1.5	17	12	42	3.0	.002	3.0	<.050	--
81-08-25	7.9	5.7	24	1.4	21	19	31	2.4	<.002	--	<.200	--
81-09-03	--	--	22	--	31	--	25	2.9	--	--	<.040	<100
81-02-11	--	--	4.4	--	8	--	5.0	--	--	.40	.040	<100
81-08-10	1.6	1.2	4.2	.7	13	5.9	6.8	.02	.001	--	<.050	--
81-02-11	--	--	4.2	--	4	--	6.0	--	--	<.40	<.040	<100
81-08-10	2.5	1.6	5.2	.4	5	3.7	5.6	.66	.001	--	<.050	--

DATE OF SAMPLE	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)	ZINC, DISSOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
81-02-05	1239	<50	<400	<.10
81-08-26	800	70	--	--
81-09-02	1570	90	<400	<.10
81-04-22	200	60	--	--
81-08-04	110	<50	<400	<.10
81-09-30	200	40	--	--
81-02-09	200	<10	--	--
81-08-25	200	10	--	--
81-02-10	400	60	--	--
81-08-25	500	30	--	--
81-09-03	370	<50	<400	<.10
81-02-11	110	<50	<400	<.10
81-08-10	150	<10	--	--
81-02-11	<100	<50	600	<.10
81-08-10	200	30	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	TIME	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
405136073041600	S 48651	112GLCLU	81-06-01	1200	64	215	5.6	13.0	3.3
		112GLCLU	81-07-06	1315	64	265	6.2	13.5	8.6
404641073005402	S 48759	112GLCLU	80-11-24	1300	33	235	--	13.0	8.6
		112GLCLU	81-05-18	1300	33	215	5.2	12.0	1.2
		112GLCLU	81-06-29	1400	33	260	5.8	13.0	.5
		112GLCLU	81-09-10	1000	33	195	5.8	13.0	.4
405121072490601	S 48946	112GLCLU	80-12-09	--	41	220	6.3	--	--
		112GLCLU	81-04-08	--	41	235	6.3	--	--
		112GLCLU	81-07-07	1415	41	245	5.7	12.0	6.0
405259073010301	S 48958	112GLCLU	80-12-29	1500	81	138	--	11.0	10.6
		112GLCLU	81-06-01	1000	81	138	5.7	11.0	11.4
		112GLCLU	81-06-30	1030	81	160	7.1	11.5	10.5
405846072093001	S 49898	112GLCLU	81-04-27	1120	64	118	5.4	11.0	8.0
		112GLCLU	81-06-24	1400	64	99	5.3	11.0	8.5
		112GLCLU	81-08-04	1315	64	122	6.3	13.0	5.9

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 FIELD (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, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	COPPER, DIS-SOLVED (UG/L AS CU)
81-06-01	17	3.5	30	3.3	17	16	41	6.0	.002	--	.330	--
81-07-06	--	--	30	--	21	<4.0	35	--	--	6.8	.340	<100
80-11-24	--	--	22	--	--	23	26	--	--	13	<.040	<100
81-05-18	18	3.5	28	4.3	15	20	21	14	.025	--	<.050	--
81-06-29	--	--	27	--	16	18	19	--	--	16	.230	<100
81-09-10	--	--	22	--	--	--	17	--	--	10	.810	<100
80-12-09	--	--	--	--	10	30	20	9.9	<.010	--	<.010	--
81-04-08	--	--	--	--	10	34	17	8.9	<.010	--	<.010	--
81-07-07	--	--	9.9	--	9	34	18	--	--	9.5	<.040	<100
80-12-29	--	--	7.4	--	--	15	10	--	--	6.3	<.040	<100
81-06-01	11	4.8	7.0	1.0	12	12	16	6.2	.002	--	.070	--
81-06-30	--	--	7.2	--	86	7.0	18	--	--	5.3	.040	<100
81-04-27	4.0	3.5	14	1.4	16	5.0	27	.11	.002	--	.080	--
81-06-24	3.0	3.2	10	1.0	18	6.7	18	.08	.002	--	.070	--
81-08-04	--	--	10	--	35	<4.0	17	--	--	<.40	<.040	<100

DATE OF SAMPLE	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	ZINC, DIS-SOLVED (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
81-06-01	200	30	--	--
81-07-06	200	<50	<400	<.10
80-11-24	<100	<90	<400	<.10
81-05-18	200	60	--	--
81-06-29	<100	<50	<400	<.20
81-09-10	130	100	<400	<.10
80-12-09	180	130	--	<.02
81-04-08	210	80	--	<.02
81-07-07	390	240	<400	<.10
80-12-29	370	60	1199	<.10
81-06-01	200	<100	--	--
81-06-30	120	<50	<400	<.20
81-04-27	2800	60	--	--
81-06-24	2100	40	--	--
81-08-04	6830	70	<400	<.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	TIME	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)
410349072222201	S 51169 SHELTER ISLAND	112GLCLU	81-04-06	1130	54	126	6.3	12.0	8.4
410311072215501	S 51170 SHELTER ISLAND	112GLCLU	81-04-02	1130	43	106	6.1	11.0	7.0
410410072214701	S 51171 SHELTER ISLAND	112GLCLU	81-04-06	1420	55	160	6.1	12.0	5.9
410350072210601	S 51172	112GLCLU	81-04-02	1420	37	205	6.0	11.0	5.2
		112GLCLU	81-08-05	1300	37	215	5.9	11.0	4.9
410510072212301	S 51173 SHELTER ISLAND	112GLCLU	81-03-30	1330	51	116	6.3	14.0	8.9
410437072205601	S 51174 SHELTER ISLAND	112GLCLU	81-04-08	1130	63	135	6.1	13.0	9.6
410416072205101	S 51175 SHELTER ISLAND	112GLCLU	81-04-08	1420	60	148	6.2	11.0	8.2
410430072202301	S 51176	112GLCLU	81-04-07	1130	59	200	5.8	14.0	8.3
410316072192901	S 51177 SHELTER ISLAND	112GLCLU	81-04-14	1130	27	124	5.8	11.0	1.7
410344072193201	S 51178 SHELTER ISLAND	112GLCLU	81-04-01	1420	45	155	6.3	12.0	5.9

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 FIELD (MG/L AS CACO3)	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, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	COPPER, DISSOLVED (UG/L AS CU)
81-04-06	9.2	5.6	7.2	1.0	23	18	10	1.2	.002	--	.080	--
81-04-02	--	--	14	--	12	8.0	22	--	--	<.40	<.040	<100
81-04-06	14	5.8	14	6.0	24	26	19	4.6	.004	--	.080	--
81-04-02	--	--	9.6	--	23	31	22	--	--	6.7	<.040	<100
81-08-05	21	4.4	14	10	27	31	23	6.2	.003	--	.400	--
81-03-30	6.0	2.7	12	1.4	21	12	13	1.5	.003	--	<.050	--
81-04-08	9.0	3.6	14	1.4	19	17	16	1.8	.001	--	.050	--
81-04-08	9.7	4.8	14	1.8	19	22	17	2.6	.003	--	.070	--
81-04-07	9.2	5.4	23	3.0	26	10	43	1.5	.003	--	.080	--
81-04-14	8.2	2.8	11	1.1	30	7.9	21	.08	.001	--	<.050	--
81-04-01	12	5.8	10	1.5	24	33	11	1.5	.002	--	.090	--

DATE OF SAMPLE	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)	ZINC, DISSOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
81-04-06	400	40	--	--
81-04-02	<310	90	<400	<.10
81-04-06	300	20	--	--
81-04-02	140	<50	<400	<.10
81-08-05	200	<100	--	--
81-03-30	900	20	--	--
81-04-08	150	20	--	--
81-04-08	350	30	--	--
81-04-07	2200	360	--	--
81-04-14	6400	90	--	--
81-04-01	300	20	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	TIME	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)
410424072192801	S 51179 SHELTER ISLAND	112GLCLU	81-04-13	1130	58	125	6.6	14.0	9.8
410452072200201	S 51180 SHELTER ISLAND	112GLCLU	81-04-07	1420	51	140	6.4	12.0	8.2
410602072195801	S 51182 SHELTER ISLAND	112GLCLU	81-03-30	1130	64	57	6.2	12.0	7.8
410334072172701	S 51183 SHELTER ISLAND	112GLCLU	81-04-01	1130	39	89	6.2	11.0	6.8
410132072184601	S 51185	112GLCLU	81-02-03	1130	33	100	--	12.0	6.8
		112GLCLU	81-04-14	1420	33	88	5.6	10.0	3.5
		112GLCLU	81-08-18	1100	33	93	5.7	12.0	8.6
410047072184701	S 51186	112GLCLU	81-02-03	1000	39	220	--	11.0	6.4
		112GLCLU	81-08-18	1300	39	170	5.7	11.0	8.7

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 FIELD (MG/L AS CACO3)	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, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	COPPER, DISSOLVED (UG/L AS CU)
81-04-13	9.2	5.7	7.1	1.2	18	30	9.4	.20	.001	--	<.050	--
81-04-07	8.6	4.6	24	1.7	28	8.9	19	.91	.010	--	.120	--
81-03-30	2.0	2.3	5.0	.9	14	5.0	5.3	.20	.001	--	.050	--
81-04-01	4.0	2.5	7.7	4.3	18	11	9.0	.27	.003	--	.120	--
81-02-03	--	--	9.7	--	--	--	16	--	--	<.40	<.040	<100
81-04-14	3.0	3.0	10	.7	8	10	14	.10	.002	--	.070	--
81-08-18	2.6	3.2	10	.5	0	11	17	.13	.001	--	<.050	--
81-02-03	--	--	21	--	--	--	27	--	--	4.4	<.040	<100
81-08-18	11	5.1	17	5.0	16	18	24	3.8	.001	--	.050	--

DATE OF SAMPLE	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)	ZINC, DISSOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
81-04-13	300	30	--	--
81-04-07	900	180	--	--
81-03-30	300	20	--	--
81-04-01	300	220	--	--
81-02-03	1260	70	<400	<.10
81-04-14	1400	40	--	--
81-08-18	900	20	--	--
81-02-03	160	80	<400	<.10
81-08-18	200	10	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	TIME	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)
405716072413301	S 51566	112GLCLU	81-01-29	1000	87	400	6.1	11.0	6.8
		112GLCLU	81-08-17	1100	87	560	5.8	11.5	6.5
		112GLCLU	81-08-17	1115	87	560	5.7	11.5	6.5
		112GLCLU	81-08-17	1130	87	560	5.7	11.5	6.4
		112GLCLU	81-08-17	1145	87	560	5.6	11.5	6.4
		112GLCLU	81-08-17	1200	87	560	5.6	11.5	6.5
		112GLCLU	81-08-17	1215	87	560	5.7	11.5	6.4
405653072422501	S 51567 CENTERVILLE	112GLCLU	81-01-21	1455	92	380	5.9	11.0	9.3
		112GLCLU	81-07-08	1300	92	400	5.6	12.0	10.2
405808072385401	S 51568 NORTHVILLE	112GLCLU	81-01-20	1450	68	400	--	11.0	9.4
		112GLCLU	81-07-07	1100	68	430	5.8	12.0	9.9
405805072403701	S 51571	112GLCLU	81-01-29	1120	106	260	6.4	11.0	9.5
		112GLCLU	81-07-08	1100	106	260	5.5	12.0	10.6

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 FIELD (MG/L AS CACO3)	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, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	COPPER, DISSOLVED (UG/L AS CU)
81-01-29	--	--	11	--	10	115	26	--	--	15	<.040	<100
81-08-17	--	--	13	--	12	186	22	--	--	15	<.040	<100
81-08-17	--	--	14	--	11	186	26	--	--	15	<.040	<100
81-08-17	--	--	13	--	11	186	24	--	--	13	<.040	<100
81-08-17	--	--	13	--	10	180	24	--	--	15	<.040	<100
81-08-17	--	--	13	--	11	180	24	--	--	15	<.040	<100
81-08-17	--	--	14	--	10	186	24	--	--	15	<.040	<100
81-01-21	--	--	9.0	--	8	--	28	--	--	12	.180	<100
81-07-08	75	14	12	3.4	10	150	26	12	.005	--	<.050	--
81-01-20	--	--	45	--	--	52	92	--	--	6.8	<.040	<100
81-07-07	30	5.6	65	6.2	21	38	99	7.0	.003	--	<.050	--
81-01-29	--	--	7.6	--	16	88	17	--	--	5.4	.090	<100
81-07-08	36	7.0	7.0	2.8	18	68	18	5.3	.001	--	<.050	--

DATE OF SAMPLE	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)	ZINC, DISSOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
81-01-29	260	50	<400	<.10
81-08-17	140	<50	<400	<.10
81-08-17	<100	<50	<400	<.10
81-08-17	<100	<50	<400	<.10
81-08-17	<100	<50	<400	<.10
81-08-17	<100	<50	<400	<.10
81-08-17	<100	<50	<400	<.10
81-01-21	570	<50	<400	<.10
81-07-08	250	30	--	--
81-01-20	690	<50	<400	<.10
81-07-07	900	40	--	--
81-01-29	200	<50	<400	<.10
81-07-08	200	<10	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	TIME	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)
405542072445302	S 51572	112GLCLU	81-01-21	1315	41	330	5.1	13.0	3.5
		112GLCLU	81-07-08	1000	41	280	5.3	12.0	.4
		112GLCLU	81-08-18	1115	41	290	5.2	12.5	1.2
		112GLCLU	81-08-18	1130	41	290	5.2	12.5	1.1
		112GLCLU	81-08-18	1145	41	290	5.1	12.5	1.1
		112GLCLU	81-08-18	1200	41	285	5.1	12.5	1.2
		112GLCLU	81-08-18	1215	41	285	5.1	12.5	1.1
		112GLCLU	81-08-18	1230	41	290	5.2	12.5	1.1
		112GLCLU	81-08-18	1245	41	290	5.1	12.5	1.1
405544072411801	S 51575 RIVERHEAD	112GLCLU	81-07-08	1400	32	220	5.7	13.0	.3
		112GLCLU	81-08-25	1400	32	285	6.3	13.0	.1
405559072425201	S 51576 RIVERHEAD	112GLCLU	81-01-26	1330	67	76	5.7	11.0	8.8
		112GLCLU	81-07-27	1000	67	80	--	11.0	10.2
405721072453701	S 51578 BAITING HOLLOW	112GLCLU	81-01-14	1330	126	127	6.0	10.5	9.4
		112GLCLU	81-01-27	1000	126	215	6.4	11.0	9.4
		112GLCLU	81-07-27	1300	126	210	--	11.0	11.0

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 FIELD (MG/L AS CACO3)	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, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	COPPER, DISSOLVED (UG/L AS CU)
81-01-21	--	--	30	--	0	35	34	--	--	22	1.30	<100
81-07-08	16	3.8	23	10	14	36	32	12	.012	--	2.40	--
81-08-18	--	--	17	--	8	44	22	--	--	8.6	1.80	<100
81-08-18	--	--	17	--	8	46	22	--	--	8.9	1.68	<100
81-08-18	--	--	17	--	7	45	22	--	--	9.0	1.74	<100
81-08-18	--	--	17	--	6	46	21	--	--	9.1	1.71	<100
81-08-18	--	--	17	--	6	46	22	--	--	9.2	1.71	<100
81-08-18	--	--	17	--	7	46	21	--	--	9.3	1.65	<100
81-08-18	--	--	16	--	7	46	22	--	--	9.4	1.68	<100
81-07-08	16	3.6	16	3.5	38	22	44	.03	.001	--	2.00	--
81-08-25	21	5.2	28	4.3	34	22	67	<.02	.001	--	2.40	--
81-01-26	6.4	1.5	3.0	2.1	7	14	4.9	1.6	.002	--	.050	--
81-07-27	7.5	1.7	3.0	2.0	--	16	6.2	1.5	.002	--	.050	--
81-01-14	20	9.4	6.7	2.7	9	63	13	4.7	.001	--	<.500	--
81-01-27	21	9.2	6.8	2.7	14	65	12	4.5	.003	--	.070	--
81-07-27	25	8.8	6.3	2.4	--	71	13	4.9	.002	--	.050	--

DATE OF SAMPLE	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)	ZINC, DISSOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
81-01-21	320	870	<400	<.10
81-07-08	1900	1100	--	--
81-08-18	2040	820	<400	<.10
81-08-18	1850	790	<400	<.10
81-08-18	1590	770	<400	<.10
81-08-18	1500	750	<400	<.10
81-08-18	1360	720	<400	<.10
81-08-18	1370	730	<400	<.10
81-08-18	1410	700	<400	<.10
81-07-08	8000	200	--	--
81-08-25	7000	200	--	--
81-01-26	300	110	--	--
81-07-27	300	100	--	--
81-01-14	100	30	--	--
81-01-27	600	30	--	--
81-07-27	500	40	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	TIME	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)
405542072463001	S 51579 CALVERTON	112GLCLU	81-01-28	1120	85	89	5.9	11.0	4.3
		112GLCLU	81-07-28	1300	85	91	--	12.0	5.7
405714072470901	S 51580 WADING RIVER	112GLCLU	81-07-28	1100	135	160	5.7	11.0	10.7
405853072353901	S 51582 NORTHVILLE	112GLCLU	80-11-03	1030	82	360	5.8	11.0	9.7
		112GLCLU	81-01-19	1310	82	330	--	11.0	9.8
		112GLCLU	81-06-29	1400	82	350	6.7	12.0	10.3
405500072495201	S 51583	112GLCLU	80-12-09	--	49	68	6.2	--	--
		112GLCLU	81-04-08	--	49	64	6.3	--	--
		112GLCLU	81-06-04	--	49	59	5.5	--	--
		112GLCLU	81-07-29	1100	49	58	--	11.0	9.5
405757072491801	S 51584	112GLCLU	81-01-28	1450	140	108	6.4	10.0	11.4
405642072491901	S 51586 WADING RIVER	112GLCLU	81-01-14	1015	99	65	5.4	10.5	9.5
		112GLCLU	81-07-28	1400	99	148	--	11.0	10.3

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 FIELD (MG/L AS CACO3)	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, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	COPPER, DISSOLVED (UG/L AS CU)
81-01-28	6.2	2.9	5.1	1.0	12	20	5.7	.69	.002	--	.060	--
81-07-28	6.8	2.7	5.0	1.0	--	--	7.2	.75	.002	--	<.050	--
81-07-28	14	4.1	9.5	2.9	19	22	15	7.0	.002	--	<.050	--
80-11-03	53	8.4	11	5.0	10	100	21	12	.002	--	.100	--
81-01-19	--	--	9.8	--	--	105	17	--	--	15	<.040	<100
81-06-29	58	9.0	10	4.6	17	100	10	16	.025	--	<.050	--
80-12-09	--	--	--	--	10	6.0	9.5	<.01	<.010	--	<.010	--
81-04-08	--	--	--	--	9	7.5	6.5	.27	<.010	--	<.010	--
81-06-04	--	--	--	--	10	7.1	6.0	.24	<.010	--	<.010	--
81-07-29	2.0	1.2	5.6	1.4	--	6.8	8.6	.40	<.001	--	<.050	--
81-01-28	--	--	9.8	--	15	150	14	--	--	1.0	<.040	<100
81-01-14	5.8	2.4	5.4	2.3	3	6.4	9.9	4.5	.001	--	<.050	--
81-07-28	12	4.6	7.3	2.5	--	6.8	12	11	.002	--	<.050	--

DATE OF SAMPLE	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)	ZINC, DISSOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
81-01-28	300	<10	--	--
81-07-28	400	20	--	--
81-07-28	250	30	--	--
80-11-03	<50	30	--	--
81-01-19	220	<50	<400	<.10
81-06-29	100	40	--	--
80-12-09	170	60	--	<.02
81-04-08	250	70	--	<.02
81-06-04	150	40	--	<.02
81-07-29	200	30	--	--
81-01-28	120	<50	<400	<.10
81-01-14	200	20	--	--
81-07-28	300	30	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	TIME	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)
405809072370901	S 51587 NORTHVILLE	112GLCLU	80-11-03	1140	78	245	5.7	12.0	8.4
		112GLCLU	81-01-20	1315	78	230	--	11.0	8.0
		112GLCLU	81-07-07	1000	78	245	6.1	12.0	8.2
405634072380501	S 51588	112GLCLU	81-01-21	1030	58	300	6.0	11.0	7.4
		112GLCLU	81-07-07	1300	58	270	6.0	12.0	7.4
405704072361401	S 51589 JAMESPORT	112GLCLU	80-11-03	1247	41	215	5.2	12.0	7.8
		112GLCLU	81-01-20	1020	41	220	--	12.0	9.3
		112GLCLU	81-06-30	1400	41	250	5.3	11.0	7.6
405418072470601	S 51591 CALVERTON	112GLCLU	80-10-29	1130	29	73	5.3	14.0	.1
		112GLCLU	81-01-13	1230	29	49	5.5	12.5	1.6
		112GLCLU	81-03-23	1310	29	70	5.4	10.0	.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 FIELD (MG/L AS CACO3)	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, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	COPPER, DISSOLVED (UG/L AS CU)
80-11-03	30	5.3	11	11	17	46	22	7.2	.048	--	.280	--
81-01-20	--	--	8.6	--	--	43	18	--	--	8.2	.050	<100
81-07-07	27	5.4	10	12	24	34	21	9.1	.045	--	.080	--
81-01-21	--	--	7.7	--	14	79	22	--	--	12	.360	<100
81-07-07	39	5.3	7.5	4.0	23	64	20	8.3	.012	--	.590	--
80-11-03	26	3.6	12	3.2	8	39	24	5.8	.003	--	.070	--
81-01-20	--	--	11	--	--	45	24	--	--	6.5	.060	<100
81-06-30	31	5.0	10	3.9	6	43	24	8.3	.002	--	<.050	--
80-10-29	4.5	1.2	4.0	.8	15	9.9	7.8	<.02	<.001	--	.210	--
81-01-13	5.0	1.2	3.8	1.0	14	9.3	6.0	<.02	.001	--	.220	--
81-03-23	4.6	1.2	3.6	.9	15	11	6.2	<.02	.001	--	.190	--

DATE OF SAMPLE	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)	ZINC, DISSOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
80-11-03	300	200	--	--
81-01-20	260	220	<400	<.10
81-07-07	400	250	--	--
81-01-21	2050	200	<400	<.10
81-07-07	1700	270	--	--
80-11-03	900	200	--	--
81-01-20	940	200	<400	<.10
81-06-30	200	280	--	--
80-10-29	4500	100	--	--
81-01-13	2600	130	--	--
81-03-23	3000	160	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	TIME	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)
405349072494101	S 51592	112GLCLU	80-10-29	1240	39	63	5.0	12.0	9.3
		112GLCLU	80-12-09	--	39	70	6.1	--	--
		112GLCLU	81-04-08	--	39	70	6.0	--	--
		112GLCLU	81-06-04	--	39	103	5.4	--	--
		112GLCLU	81-07-29	1300	39	136	--	11.0	8.0
410400072202001	S 52050 SHELTER ISLAND	112GLCLU	81-04-13	1420	62	165	5.7	13.0	6.0
410516072200901	S 52084 SHELTER ISLAND	112GLCLU	81-03-31	1130	73	93	6.7	12.0	8.5
		112GLCLU	81-08-05	1100	73	100	6.7	12.0	10.0
404956072380101	S 52128	112GLCLU	81-02-11	1130	37	62	5.9	14.0	9.6
405542072445301	S 52383 CALVERTON	112GLCLU	81-01-14	1145	61	39	5.2	10.5	9.6
		112GLCLU	81-01-27	1120	61	53	5.4	11.0	11.0
		112GLCLU	81-07-27	1400	61	55	--	11.0	10.6
405513072505401	S 52886	112GLCLU	81-01-28	1330	66	190	6.2	10.0	10.0

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 FIELD (MG/L AS CACO3)	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, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	COPPER, DISSOLVED (UG/L AS CU)
80-10-29	3.3	1.3	5.1	.9	6	6.0	10	.47	<.001	--	<.050	--
80-12-09	--	--	--	--	5	9.8	9.0	.07	<.010	--	<.010	--
81-04-08	--	--	--	--	7	11	9.5	.30	<.010	--	<.010	--
81-06-04	--	--	--	--	7	6.7	20	.49	<.010	--	<.010	--
81-07-29	5.2	1.7	18	1.4	--	7.2	35	.57	<.001	--	<.050	--
81-04-13	14	4.8	12	3.6	17	<16	12	9.8	.002	--	.050	--
81-03-31	5.8	3.1	6.6	1.4	18	13	9.7	.38	.002	--	.070	--
81-08-05	7.5	3.5	6.5	1.4	20	14	12	.48	.001	--	.060	--
81-02-11	5.3	1.2	2.9	.7	6	12	3.8	1.6	.002	--	<.050	--
81-01-14	2.8	.5	3.0	2.8	2	9.0	6.0	.40	<.001	--	<.050	--
81-01-27	2.9	.6	3.0	2.7	4	9.0	6.0	.40	.002	--	<.050	--
81-07-27	2.8	.5	4.0	2.6	--	6.6	7.4	.73	.001	--	<.050	--
81-01-28	--	--	9.5	--	11	41	18	--	--	5.3	<.040	<100

DATE OF SAMPLE	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)	ZINC, DISSOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
80-10-29	100	<50	--	--
80-12-09	70	<10	--	<.02
81-04-08	110	30	--	<.02
81-06-04	100	30	--	<.02
81-07-29	200	30	--	--
81-04-13	200	30	--	--
81-03-31	100	<10	--	--
81-08-05	200	<10	--	--
81-02-11	300	20	--	--
81-01-14	100	50	--	--
81-01-27	200	60	--	--
81-07-27	250	60	--	--
81-01-28	110	<50	<400	<.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	TIME	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)
410057072315501	S 53322 E. MATTITUCK	112GLCLU	81-03-04	1440	99	260	7.2	11.0	9.8
		112GLCLU	81-06-23	1300	99	290	5.9	11.0	10.2
410702072221601	S 53323	112GLCLU	81-02-25	1330	50	215	5.6	13.0	5.1
		112GLCLU	81-06-09	1100	50	210	5.8	13.0	7.7
410104072303301	S 53324 E. MATTITUCK	112GLCLU	81-03-04	1030	60	350	6.9	12.0	8.0
		112GLCLU	81-06-23	1000	60	395	5.5	13.0	9.3
410007072331901	S 53325 MATTITUCK	112GLCLU	81-02-18	1310	66	410	6.3	12.0	8.6
		112GLCLU	81-06-30	1000	66	540	5.9	12.0	9.5
410229072295701	S 53326 OREGON	112GLCLU	81-03-03	1440	89	320	7.3	12.0	4.4
		112GLCLU	81-06-22	1100	89	330	6.5	16.0	7.1
410022072293601	S 53327 CUTCHOGUE	112GLCLU	81-03-04	1140	42	220	6.6	12.0	4.2
410234072243601	S 53328	112GLCLU	81-03-02	1255	39	140	6.8	12.0	5.7
		112GLCLU	81-06-09	1400	39	165	5.7	12.0	6.5

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 FIELD (MG/L AS CACO3)	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, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	COPPER, DISSOLVED (UG/L AS CU)
81-03-04	36	6.5	14	2.4	21	75	22	6.8	.001	--	<.050	--
81-06-23	38	10	14	2.2	9	70	24	6.2	.002	--	.000	--
81-02-25	16	5.2	23	2.7	19	29	31	4.6	.001	--	<.050	--
81-06-09	18	6.0	21	2.6	17	28	35	3.9	.001	--	.040	--
81-03-04	35	6.5	14	5.6	21	100	59	5.3	.120	--	<.050	--
81-06-23	43	11	32	4.5	8	85	60	5.0	.009	--	.080	--
81-02-18	68	14	13	3.2	16	130	40	15	.002	--	.050	--
81-06-30	100	18	18	3.6	14	160	57	18	.001	--	<.050	--
81-03-03	24	11	17	16	46	88	28	5.2	.016	--	1.70	--
81-06-22	34	15	17	7.4	41	79	32	5.5	.010	--	1.01	--
81-03-04	27	6.4	11	3.3	28	39	22	7.9	.002	--	<.050	--
81-03-02	13	2.5	13	4.7	19	22	20	3.9	.009	--	.050	--
81-06-09	15	3.0	14	4.4	--	23	24	5.8	.011	--	.100	--

DATE OF SAMPLE	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)	ZINC, DISSOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
81-03-04	250	<20	--	--
81-06-23	100	<10	--	--
81-02-25	500	20	--	--
81-06-09	300	<10	--	--
81-03-04	400	130	--	--
81-06-23	300	30	--	--
81-02-18	600	<20	--	--
81-06-30	300	50	--	--
81-03-03	14000	470	--	--
81-06-22	4200	240	--	--
81-03-04	400	40	--	--
81-03-02	300	40	--	--
81-06-09	200	20	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	TIME	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)
410140072281601	S 53329 E. CUTCHOGUE	112GLCLU	81-03-03	1140	71	360	7.5	11.0	5.9
		112GLCLU	81-06-10	1400	71	330	5.7	11.0	7.2
410706072203201	S 53330 E. MARION	112GLCLU	81-02-25	1130	51	295	5.6	13.0	7.2
		112GLCLU	81-06-08	1300	51	310	5.6	12.0	6.5
410753072205501	S 53331 E. MARION	112GLCLU	81-02-25	1000	68	142	5.5	12.0	8.8
		112GLCLU	81-06-08	1100	68	145	5.4	12.0	8.4
405843072324301	S 53332 MATTITUCK	112GLCLU	81-01-29	1330	43	106	6.4	12.0	7.1
		112GLCLU	81-02-18	1130	43	107	6.8	12.0	8.5
		112GLCLU	81-06-30	1300	43	145	6.5	11.0	7.4
405924072342301	S 53333 MATTITUCK	112GLCLU	81-01-29	1450	72	115	6.6	12.0	7.7
		112GLCLU	81-02-18	1450	72	115	5.9	12.0	7.8
		112GLCLU	81-06-30	1100	72	100	6.4	12.0	8.8
405959072303901	S 53334 E. MATTITUCK	112GLCLU	81-03-04	1255	51	210	6.9	12.0	8.7
		112GLCLU	81-06-23	1100	51	142	6.0	13.0	6.4

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 FIELD (MG/L AS CACO3)	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, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	COPPER, DISSOLVED (UG/L AS CU)
81-03-03	52	13	24	3.3	31	96	48	10	.003	--	.050	--
81-06-10	46	13	16	2.6	15	88	35	5.2	.002	--	.060	--
81-02-25	27	6.9	31	3.2	22	42	38	10	.001	--	<.050	--
81-06-08	25	6.6	42	3.2	28	44	42	12	.002	--	.050	--
81-02-25	4.6	3.9	20	.9	21	19	22	.14	.001	--	<.050	--
81-06-08	7.0	5.0	20	.9	19	19	26	.18	.001	--	.050	--
81-01-29	--	--	5.6	--	9	23	7.0	--	--	2.2	<.040	<100
81-02-18	9.6	2.0	5.7	3.0	15	22	7.3	2.1	.002	--	<.050	--
81-06-30	11	2.6	11	3.2	12	22	16	4.6	.001	--	<.050	--
81-01-29	--	--	15	--	17	18	12	--	--	2.0	<.040	<100
81-02-18	12	2.2	5.7	2.3	16	16	9.8	1.8	.003	--	<.050	--
81-06-30	12	1.6	5.8	2.3	10	13	9.4	1.5	.002	--	<.050	--
81-03-04	30	4.2	9.2	2.4	18	43	16	8.3	.002	--	<.050	--
81-06-23	16	2.5	5.6	2.8	8	29	11	3.4	.003	--	.140	--

DATE OF SAMPLE	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)	ZINC, DISSOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
81-03-03	500	40	--	--
81-06-10	200	20	--	--
81-02-25	300	<10	--	--
81-06-08	200	10	--	--
81-02-25	600	40	--	--
81-06-08	500	20	--	--
81-01-29	220	<50	<400	<.10
81-02-18	250	<20	--	--
81-06-30	200	30	--	--
81-01-29	220	<50	<400	<.10
81-02-18	300	10	--	--
81-06-30	200	<10	--	--
81-03-04	650	120	--	--
81-06-23	800	140	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENT-I-FIER		GEO-LOGIC UNIT	DATE OF SAMPLE	TIME	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)
410304072262701	S 53335		112GLCLU	81-02-25	1450	35	340	5.6	12.0	9.4
			112GLCLU	81-06-10	1100	35	320	5.7	11.0	10.3
410017072315501	S 53336	E. MATTITUCK	112GLCLU	81-02-18	1000	40	350	6.2	13.0	8.7
			112GLCLU	81-06-23	1400	40	320	5.4	11.0	6.5
410906072171301	S 53337		112GLCLU	81-02-23	1130	50	450	5.2	11.0	3.6
			112GLCLU	81-06-03	1100	50	460	6.6	12.0	3.5
410412072261301	S 53338		112GLCLU	81-02-24	1330	63	255	--	12.0	9.0
			112GLCLU	81-06-22	1000	63	265	6.0	12.5	9.7
410004072264001	S 53537		112GLCLU	81-03-03	1030	65	--	8.2	11.0	1.0
410604072222201	S 53539		112GLCLU	81-02-24	1130	35	118	--	13.0	7.6
			112GLCLU	81-06-08	1400	35	150	5.2	12.0	7.5
405933072093401	S 58924		112GLCLU	81-04-27	1420	139	98	6.2	11.0	10.8
405950072124501	S 58925		112GLCLU	81-04-28	1150	92	61	6.1	11.0	10.4

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 FIELD (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, NO2+NO3 TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	COPPER, DIS-SOLVED (UG/L AS CU)
81-02-25	52	8.6	9.0	5.6	12	101	18	16	.002	--	.060	--
81-06-10	54	7.8	9.6	5.0	11	80	23	14	.005	--	.080	--
81-02-18	34	7.5	23	14	21	42	47	15	.002	--	.050	--
81-06-23	34	8.0	18	12	8	35	31	19	.030	--	.120	--
81-02-23	44	27	38	2.7	17	150	83	6.2	.080	--	.060	--
81-06-03	41	28	38	2.5	21	120	83	5.6	.236	--	.070	--
81-02-24	24	4.0	20	14	--	42	27	10	.002	--	<.050	--
81-06-22	23	4.0	22	13	15	42	27	8.5	.002	--	.090	--
81-03-03	--	--	--	--	189	--	14000	.02	.002	--	7.20	--
81-02-24	10	1.8	9.6	1.3	--	21	10	1.5	.002	--	<.050	--
81-06-08	15	2.8	12	1.0	15	31	16	2.0	.001	--	.060	--
81-04-27	4.2	2.2	12	.8	12	8.6	17	.11	.003	--	<.020	--
81-04-28	2.5	1.1	7.2	.7	9	5.4	8.6	.09	.002	--	.060	--

DATE OF SAMPLE	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	ZINC, DIS-SOLVED (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
81-02-25	300	20	--	--
81-06-10	200	10	--	--
81-02-18	300	80	--	--
81-06-23	100	60	--	--
81-02-23	600	30	--	--
81-06-03	1200	30	--	--
81-02-24	200	30	--	--
81-06-22	150	<10	--	--
81-03-03	--	--	--	--
81-02-24	150	80	--	--
81-06-08	500	40	--	--
81-04-27	120	<10	--	--
81-04-28	90	20	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Department of Health Services.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	TIME	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)
405558072251401	S 58956	112GLCLU	81-08-20	1000	43	--	6.3	12.0	4.2
405607072225801	S 58957	112GLCLU	81-02-04	1130	203	79	6.2	11.0	10.0

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 FIELD (MG/L AS CACO3)	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, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	COPPER, DISSOLVED (UG/L AS CU)
81-08-20	--	--	--	--	--	24	46	4.2	--	--	.120	<100
81-02-04	--	--	9.6	--	7	--	--	<.40	--	--	<.040	<100

DATE OF SAMPLE	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)	ZINC, DISSOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
81-08-20	<100	<50	400	<.10
81-02-04	<100	<50	<400	<.10

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 QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

SUFFOLK COUNTY--Continued

All samples were collected by Suffolk County Department of Health Services and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
404703073264205	S 29778	211MGTY	80-12-09	168	143	6.3	43	7.3	4.9
		211MGTY	81-04-09	168	153	6.3	45	8.9	5.6
		211MGTY	81-06-05	168	142	5.7	44	9.0	5.5
404920072484602	S 46913	112GLCLU	80-12-09	20	59	6.9	12	3.6	.6
		112GLCLU	81-04-09	20	77	6.8	11	2.8	.6
		112GLCLU	81-06-05	20	46	6.3	10	3.0	.6
404917072484501	S 46914	112GLCLU	80-12-09	34	113	6.0	24	6.5	1.3
		112GLCLU	81-04-09	34	82	6.6	12	3.4	.7
		112GLCLU	81-06-05	34	83	6.1	13	3.4	.7
405240072491402	S 47226	112GLCLU	80-12-09	27	38	6.1	15	4.6	.8
		112GLCLU	81-04-09	27	58	6.5	16	4.6	.8
		112GLCLU	81-06-05	27	58	5.9	16	4.4	.7
405240072491401	S 47227	112GLCLU	80-12-09	100	220	7.5	44	12	2.5
		112GLCLU	81-04-08	100	107	7.0	43	15	3.0
		112GLCLU	81-06-04	100	106	7.0	43	14	2.9

DATE OF SAMPLE	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	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)
80-12-09	7.0	1.9	15	15	14	<.1	77	2.1	1.97	<.010	<.010	.050
81-04-09	8.0	2.1	15	19	15	<.1	87	3.2	3.07	<.010	<.010	<.010
81-06-05	7.8	1.9	15	17	15	<.1	81	3.3	3.38	<.010	<.010	<.010
80-12-09	1.9	1.3	12	1.6	1.5	<.1	21	<.01	<.01	<.010	<.010	<.010
81-04-09	11	1.8	24	2.4	6.0	<.1	39	<.01	<.01	<.010	<.010	<.010
81-06-05	3.0	1.5	17	1.8	1.0	<.1	19	.17	.19	<.010	<.010	<.010
80-12-09	33	1.0	16	12	45	<.1	119	.26	.27	<.010	<.010	<.010
81-04-09	8.9	.5	8	5.1	13	<.1	43	.75	.76	<.010	<.010	<.010
81-06-05	10	.6	11	8.6	13	<.1	45	.45	.47	<.010	<.010	<.010
80-12-09	4.4	.4	12	7.4	6.0	<.1	58	<.01	<.01	<.010	<.010	.100
81-04-09	4.3	.4	13	7.4	5.5	<.1	49	<.01	<.01	<.010	<.010	<.010
81-06-05	4.4	.4	14	7.2	5.0	<.1	56	<.01	<.01	<.010	<.010	.110
80-12-09	4.7	.3	42	4.3	4.5	<.1	70	<.01	<.01	<.010	<.010	.050
81-04-08	4.7	.3	43	5.0	4.5	<.1	63	<.01	<.01	<.010	<.010	<.010
81-06-04	4.6	.3	43	3.7	4.0	<.1	62	<.01	<.01	<.010	<.010	<.010

DATE OF SAMPLE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
80-12-09	<.010	<.10	1040	120	20	20	<.02
81-04-09	<.010	.15	780	110	40	40	<.02
81-06-05	<.010	<.10	510	180	20	20	<.02
80-12-09	<.010	<.10	70	70	<10	<10	<.02
81-04-09	<.010	<.10	980	290	40	20	<.02
81-06-05	<.010	<.10	200	100	<10	<10	<.02
80-12-09	<.010	<.10	140	130	<10	<10	<.02
81-04-09	<.010	.14	660	190	30	20	<.02
81-06-05	<.010	<.10	1060	170	<10	<10	<.02
80-12-09	.150	.38	4630	5030	120	140	<.02
81-04-09	<.010	<.10	5360	5060	170	180	<.02
81-06-05	.060	.38	5100	4870	120	130	<.02
80-12-09	.040	.49	690	520	270	270	<.02
81-04-08	<.010	.62	750	610	260	280	<.02
81-06-04	<.010	.41	1090	680	300	290	<.02

WATER QUALITY DATA, WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

SUFFOLK COUNTY--Continued

All samples were collected by Suffolk County Department of Health Services and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (UNITS)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
405121072490601	S 48946	112GLCLU	80-12-09	41	220	6.3	76	21	5.5
		112GLCLU	81-04-08	41	235	6.3	77	22	6.2
		112GLCLU	81-06-04	41	35	5.4	79	22	6.1
		112GLCLU	81-07-07	41	245	5.7	--	--	--
405500072495201	S 51583	112GLCLU	80-12-09	49	68	6.2	14	1.9	1.4
		112GLCLU	81-04-08	49	64	6.3	10	1.7	1.2
		112GLCLU	81-06-04	49	59	5.5	12	1.9	1.2
		112GLCLU	81-07-29	49	58	--	--	--	--
405349072494101	S 51592	112GLCLU	80-10-29	39	63	5.0	--	--	--
		112GLCLU	80-12-09	39	70	6.1	15	3.4	1.3
		112GLCLU	81-04-08	39	70	6.0	18	2.5	.9
		112GLCLU	81-06-04	39	103	5.4	19	4.0	1.4
		112GLCLU	81-07-29	39	136	--	--	--	--

DATE OF SAMPLE	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	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)
80-12-09	9.8	3.7	10	30	20	<.1	149	9.9	9.67	<.010	<.010	<.010
81-04-08	9.2	3.9	10	34	17	<.1	167	8.9	8.72	<.010	<.010	<.010
81-06-04	9.6	3.8	11	33	20	<.1	149	8.9	8.70	--	<.010	<.010
81-07-07	--	--	9	34	18	--	--	--	--	--	--	<.040
80-12-09	7.0	1.1	10	6.0	9.5	<.1	40	<.01	.03	<.010	<.010	<.010
81-04-08	6.1	1.2	9	7.5	6.5	<.1	31	.27	.26	<.010	<.010	<.010
81-06-04	5.7	1.2	10	7.1	6.0	<.1	30	.24	.30	<.010	<.010	<.010
81-07-29	--	--	--	6.8	8.6	--	--	.40	--	<.001	--	<.050
80-10-29	--	--	6	6.0	10	--	--	.47	--	<.001	--	<.050
80-12-09	6.4	.8	5	9.8	9.0	<.1	47	.07	.04	<.010	<.010	<.010
81-04-08	8.0	.7	7	11	9.5	<.1	44	.30	.32	<.010	<.010	<.010
81-06-04	10	.9	7	6.7	20	<.1	54	.49	.45	<.010	<.010	<.010
81-07-29	--	--	--	7.2	35	--	--	.57	--	<.001	--	<.050

DATE OF SAMPLE	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
80-12-09	<.010	<.10	1920	180	130	130	<.02
81-04-08	<.010	<.10	1110	210	90	80	<.02
81-06-04	<.010	<.10	1170	200	70	80	<.02
81-07-07	--	--	--	390	--	240	<.10
80-12-09	<.010	<.10	310	170	50	60	<.02
81-04-08	<.010	.12	1130	250	40	70	<.02
81-06-04	<.010	<.10	490	150	60	40	<.02
81-07-29	--	--	--	200	--	30	--
80-10-29	--	--	--	100	--	<50	--
80-12-09	<.010	<.10	320	70	<10	<10	<.02
81-04-08	<.010	<.10	780	110	70	30	<.02
81-06-04	<.010	<.10	320	100	20	30	<.02
81-07-29	--	--	--	200	--	30	--

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.

MINOR ELEMENT ANALYSES OF GROUND WATER

WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

NASSAU COUNTY

All samples were collected and analyzed by U.S. Geological Survey.
Additional analyses in Quality of Ground Water and Pesticide analyses of ground water.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
404404073325302 N	9197 CDR CK OB WL 11B	211MGTY	81-07-13	95	--	--	--	--	--
404404073325303 N	9198 CDR CK OB WL 11C	112GLCLU	81-04-21	45	1200	--	--	--	30
		112GLCLU	81-04-22	45	1100	--	--	--	50
404353073331801 N	9219	211MGTY	81-06-01	95	90	3	11	3	130
404353073331802 N	9220 CDR CK OB WL 14B	112GLCLU	81-06-01	45	140	18	9	6	470
404351073332702 N	9222	112GLCLU	81-06-01	45	130	2	10	3	180
404401073325352 N	9597 BASIN 3	112GLCLU	81-07-22	74	6000	2	24	23	7300
404401073325252 N	9601 BASIN 2	112GLCLU	81-07-22	76	940	1	10	2	400
404402073325201 N	9689 BASIN 2	112GLCLU	81-06-26	43	710	1	9	4	50
404402073325301 N	9690 BASIN 3	112GLCLU	81-06-26	42	70	1	16	3	40

DATE OF SAMPLE	IRON, SUSPENDED RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	SELENIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOVERABLE (UG/L AS AG)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
81-07-13	--	--	--	--	1	--	--
81-04-21	10	20	--	800	--	--	--
81-04-22	30	20	--	810	--	--	--
81-06-01	120	10	20	10	--	0	30
81-06-01	450	20	260	10	--	0	110
81-06-01	140	40	14	630	--	0	40
81-07-22	7300	30	0	790	--	<1	120
81-07-22	370	30	0	690	--	<1	60
81-06-26	40	10	3	350	--	0	40
81-06-26	30	10	3	350	--	0	40

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WATER YEAR OCTOBER 1980 TO SEPTEMBER 1981

NASSAU COUNTY

All samples were collected and analyzed by U.S. Geological Survey.
Additional analyses in Quality of Ground Water and Minor Element analyses of ground water.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	PCB, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)
404327073335901 N	9201	112GLCLU	80-11-05	45	<.10	.00	<.10	.00	.00
404353073331801 N	9219	211MGTY	81-06-01	95	<.10	.00	<.10	.00	.00
404353073331802 N	9220 CDR CK OB WL 14B	112GLCLU	81-06-01	45	<.10	.00	<.10	.00	.00
404331073330801 N	9225	112GLCLU	80-11-05	45	<.10	.00	<.10	.00	.00
404401073325352 N	9597 BASIN 3	112GLCLU	81-07-22	74	<.10	.00	<.10	.00	.00
404401073325252 N	9601 BASIN 2	112GLCLU	81-07-22	76	<.10	.00	<.10	.00	.00
404402073325201 N	9689 BASIN 2	112GLCLU	81-06-26	43	<.10	.00	<.10	.00	.00
404402073325301 N	9690 BASIN 3	112GLCLU	81-06-26	42	<.10	.00	<.10	.00	.00

DATE OF SAMPLE	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)
80-11-05	.00	<.01	.00	.00	.00	<.01	.00	.00	.00	<.01	<.01	<.01
81-06-01	.00	<.01	.00	.00	.00	<.01	.00	.00	.00	<.01	<.01	<.01
81-06-01	.00	<.01	.02	.00	.00	<.01	.00	.00	.00	<.01	<.01	<.01
80-11-05	.00	<.01	.07	.00	.00	<.01	.00	.02	.00	<.01	<.01	<.01
81-07-22	.00	<.01	.00	.00	.00	<.01	.00	.00	.00	<.01	<.01	<.01
81-07-22	.00	<.01	.00	.00	.00	<.01	.00	.00	.00	<.01	<.01	<.01
81-06-26	.00	<.01	.23	.00	.00	<.01	.00	.00	.00	<.01	<.01	<.01
81-06-26	.00	<.01	.90	.00	.00	<.01	.00	.01	.00	<.01	<.01	<.01

DATE OF SAMPLE	MIREX, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR. TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	METH-OXY-CHLOR, TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
80-11-05	<.01	<.10	<.01	<.01	<.10	<.01	.00	.00	<.01	.00
81-06-01	<.01	<.10	<.01	<.01	<.10	<.01	<.01	<.01	<.01	<.01
81-06-01	<.01	<.10	<.01	<.01	<.10	<.01	<.01	<.01	<.01	<.01
80-11-05	<.01	<.10	<.01	<.01	<.10	<.01	.00	.00	<.01	.00
81-07-22	<.01	<.10	<.01	<.01	<.10	<.01	<.01	<.01	<.01	<.01
81-07-22	<.01	<.10	<.01	<.01	<.10	<.01	<.01	<.01	<.01	<.01
81-06-26	<.01	<.10	<.01	<.01	<.10	<.01	<.10	<.01	<.01	<.01
81-06-26	<.01	<.10	<.01	<.01	<.10	<.01	<.01	<.01	<.01	<.01

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INDEX

October 1, 1978

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

ERIOR

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Geological Survey
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