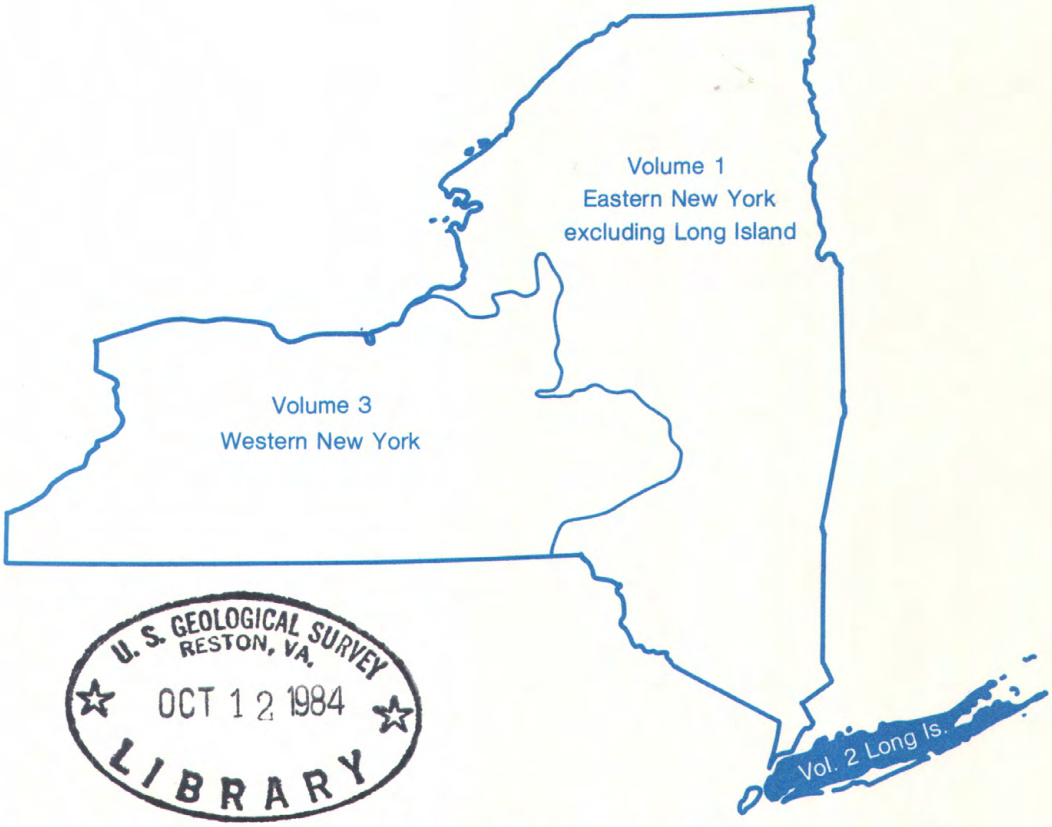
Water Resources Data New York Water Year 1983

Volume 2. Long Island



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT NY-83-2
Prepared in cooperation with the State of New York
and with other agencies

CALENDAR FOR WATER YEAR 1983

1982

OCTOBER

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1983

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SEPTEMBER

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Water Resources Data New York Water Year 1983

Volume 2. Long Island

by A.G. Spinello, J.H. Nakao, W.J. Flipse, Jr., and J.G. Carcaci

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT NY-83-2
Prepared in cooperation with the State of New York
and with other agencies

UNITED STATES DEPARTMENT OF THE INTERIOR

WILLIAM P. CLARK, Secretary

GEOLOGICAL SURVEY

Dallas L. Peck, Director

For information on the water program in New York write to
District Chief, Water Resources Division
U.S. Geological Survey
U.S. Post Office and Courthouse
P.O. Box 1350
Albany, New York 12201

or

For information on the water program in Long Island write to
Subdistrict Chief, Water Resources Division
U.S. Geological Survey
5 Aerial Way
Syosset, New York 11791

1984

PREFACE

This volume of the annual hydrologic data report of New York is one of a series of annual reports that document hydrologic data gathered from the U.S. Geological Survey's surface- and ground-water data-collection networks in each State, Puerto Rico, and the Trust Territories. These records of streamflow, ground-water levels, and quality of water provide the hydrologic information needed by State, local, and Federal agencies, and the private sector for developing and managing our Nation's land and water resources. Hydrologic data for New York are contained in 3 volumes:

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

This report is the culmination of a concerted effort by dedicated personnel of the U.S. Geological Survey who collected, compiled, analyzed, verified, and organized the data, and who typed, edited, and assembled the report. In addition to the authors, who had primary responsibility for assuring that the information contained herein is accurate, complete, and adheres to Geological Survey policy and established guidelines, the following individuals contributed significantly to the collection, processing, and tabulation of the data:

D. B. Aaronson
G. E. DeBrava
P. L. Maniscalco
R. B. Winowitch

E. A. Giunta typed the text of the report.

This report was prepared in cooperation with the State of New York and with other agencies under the general supervision of L. A. Martens, District Chief, New York.

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5 Aerial Way
Syosset, New York 11791

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Water resources data for the 1983 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, 647 wells; and water levels at 136 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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ILLUSTRATIONS

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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*]

WATER RESOURCES DATA FOR NEW YORK, 1983
Volume 2.--Long Island

INTRODUCTION

Water resources data for the 1983 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, 647 wells; and water levels at 136 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-82-2". 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, L. C. Hasl, 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.

SUMMARY OF HYDROLOGIC CONDITIONS

At the beginning of the 1983 water year, water levels in the water-table aquifer and streamflow were below average, whereas water levels in other aquifers were about average. Significantly above-average precipitation in March and April caused the water table and streamflow to recover to near or above-average conditions, but they resumed their decline during the remainder of the water year (figs. 2-5).

The maximum discharges of the 1983 water year in most streams occurred during the storms of April 10 or 16, but heavy localized precpitaton caused the Nissequogue River to reach maximum discharge on August 12. Generally, streamflow on Long Island increased slightly over the previous water year and was about average for the year. Maximum monthly mean discharges at most stations occurred in April and minimum monthly mean discharges occurred during October.

Ground-water levels in most wells screened in the water-table aquifer continued a decline in the first part of the 1983 water year from the normal seasonal decline of the previous water year. Water levels in most shallow wells rose in response to recharge from the rainstorms in March through May, then continued to decline the rest of the year. A few wells in mid-Nassau County had record low water levels in January and March. Ground-water levels in most wells screened in the Lloyd and Magothy aquifers, in general, rose over the previous water year. However, in areas of heavy pumpage, water levels in the Lloyd and Magothy aquifers have shown little change or have declined slightly.

The concentration of inorganic constituents in surface water and ground water during the 1983 water year showed no significant change from the previous year. Concentrations of dissolved constituents in ground water were greatest in the upper glacial aquifer, where specific conductances had a maximum value of 6880 µmhos/cm and averaged 170 µmhos/cm. However, significant concentrations have also been detected in the upper part of the Magothy aquifer, where specific conductance had a maximum value of 660 µmhos/cm and averaged 82 µmhos/cm.

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.

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.

Confined aquifer is the term used to describe an aquifer containing water between two relatively impermeable boundaries. The water level in a well tapping a confined aquifer stands above the top of the confined aquifer and can be higher or lower than the water table (it can also be above ground level). Formerly called artesian aquifer.

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.

Water table is the surface of a ground-water body at which the water is at atmospheric pressure. It is defined by the levels at which water stands in wells that penetrate the water body just far enough to hold standing water.

Water-table aquifer is an unconfined aquifer whose upper boundary is the water table.

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.

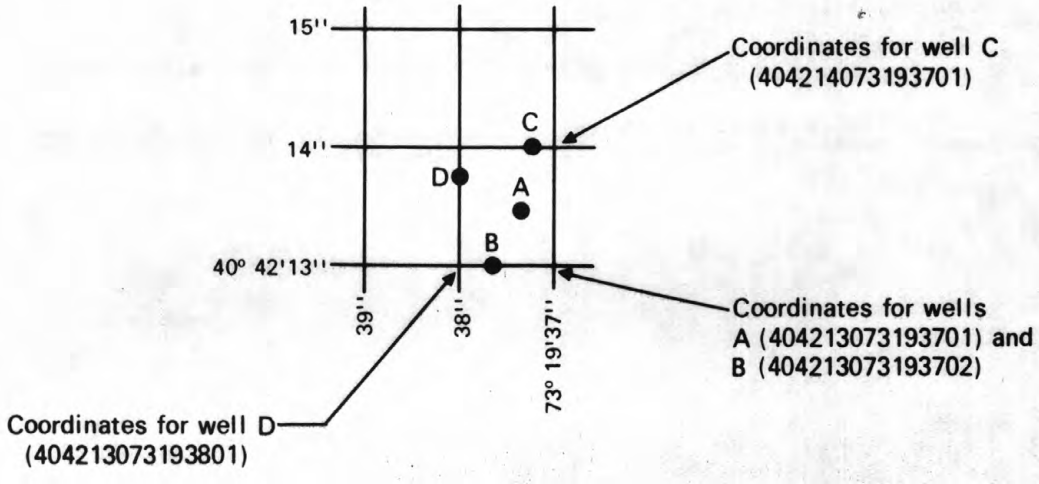


Figure 1. System for numbering wells (latitude and longitude).

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 2175, 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.

Revisions

If errors in published water-quality records are discovered after publication, appropriate updates are made to the Water-Quality File in the U.S. Geological Survey's computerized data system, WATSTORE, and subsequently by monthly transfer of update transactions to the U.S. Environmental Protection Agency's STORET system. Because the usual volume of updates makes it impractical to document individual changes in the State data-report series or elsewhere, potential users of U.S. Geological Survey water-quality data are encouraged to obtain all required data from the appropriate computer file to insure the most recent updates.

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.

ACCESS TO WATSTORE DATA

The National WATer STOrage and REtrieval System (WATSTORE) was established for handling water data collected through the activities of the U.S. Geological Survey and to provide for more effective and efficient means of releasing the data to the public. The system is operated and maintained on the central computer facilities of the Survey at its National Center in Reston, Virginia.

WATSTORE can provide a variety of useful products ranging from simple data tables to complex statistical analyses. A minimal fee, plus the actual computer cost incurred in producing a desired product, is charged to the requester. Information about the availability of specific types of data, the acquisition of data or products, and user charges can be obtained locally from each of the Water Resources Division's district offices (see address given on the back of the title page).

General inquiries about WATSTORE may be directed to:

Chief Hydrologist
U.S. Geological Survey
437 National Center
Reston, Virginia 22092

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

Thirty-seven 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, 604 South Pickett St., Arlington, VA 22304 (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-A9. *Measurement of time of travel and dispersion in streams by dye tracing,* by E. F. Hubbard, F. A. Kilpatrick, L. A. Martens, and J. F. Wilson, Jr.: USGS--TWRI Book 3, Chapter A9. 1982. 44 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-B3. *Type curves for selected problems of flow to wells in confined aquifers,* by J. E. Reed: USGS--TWRI Book 3, Chapter B3. 1980. 106 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.
7-C3. *A model for simulation of flow in singular and interconnected channels,* by R. W. Schaffranek, R. A. Baltzer, and D. E. Goldberg: USGS--TWRI Book 7, Chapter C3. 1981. 110 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.

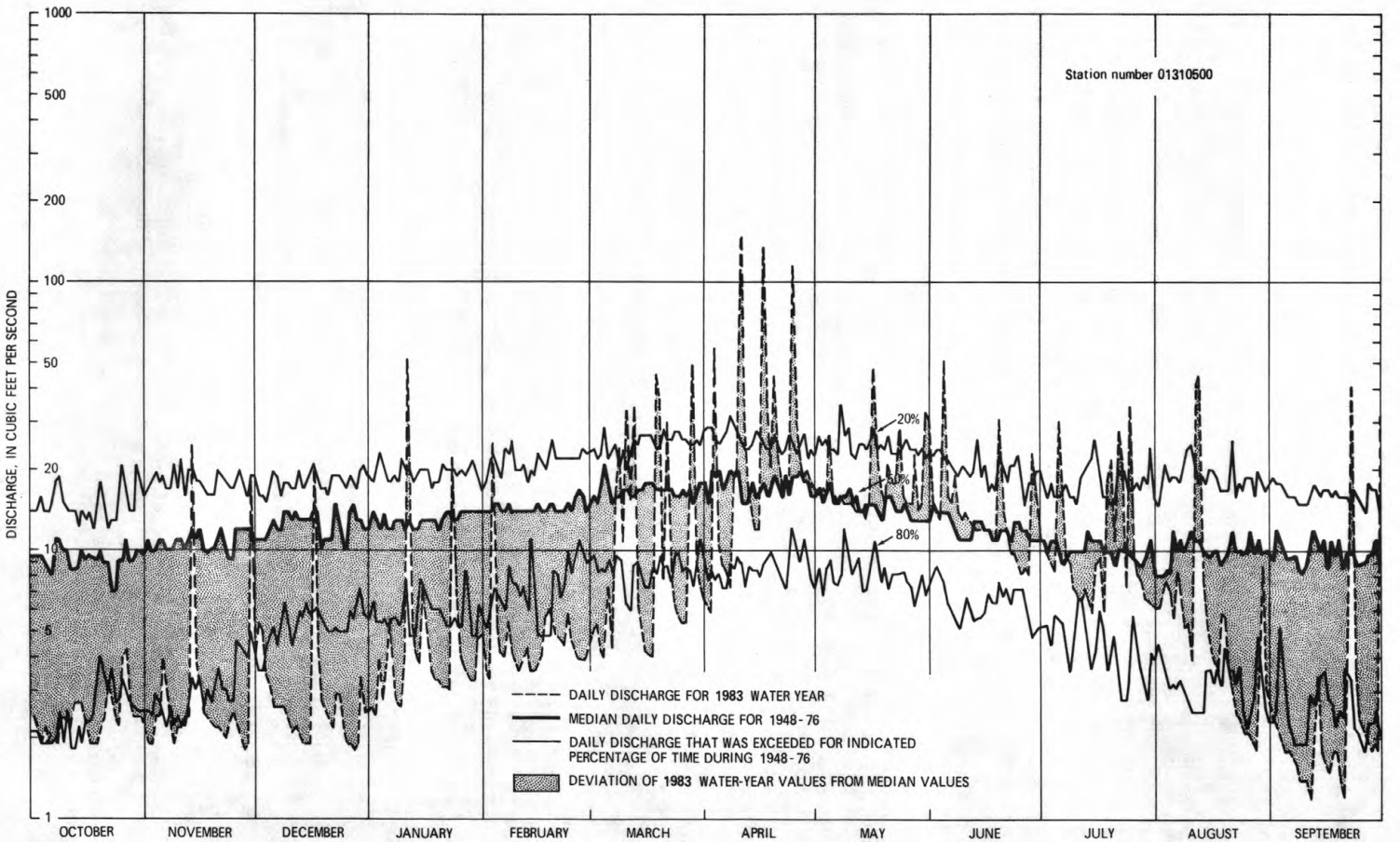


Figure 2.--Hydrographic Comparisons, East Meadow Brook at Freeport.

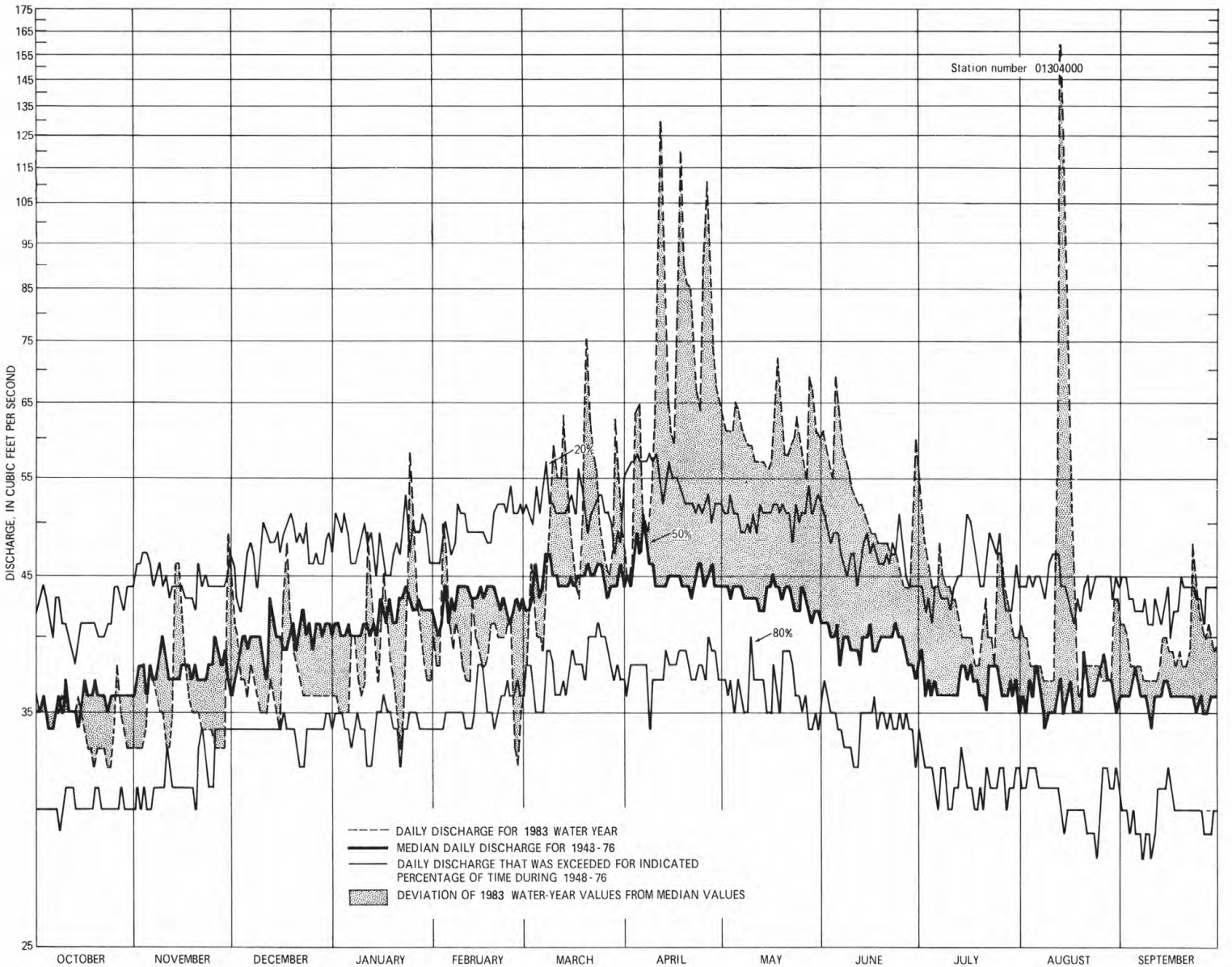


Figure 3.--Hydrographic Comparisons, Nissequogue River near Smithtown.

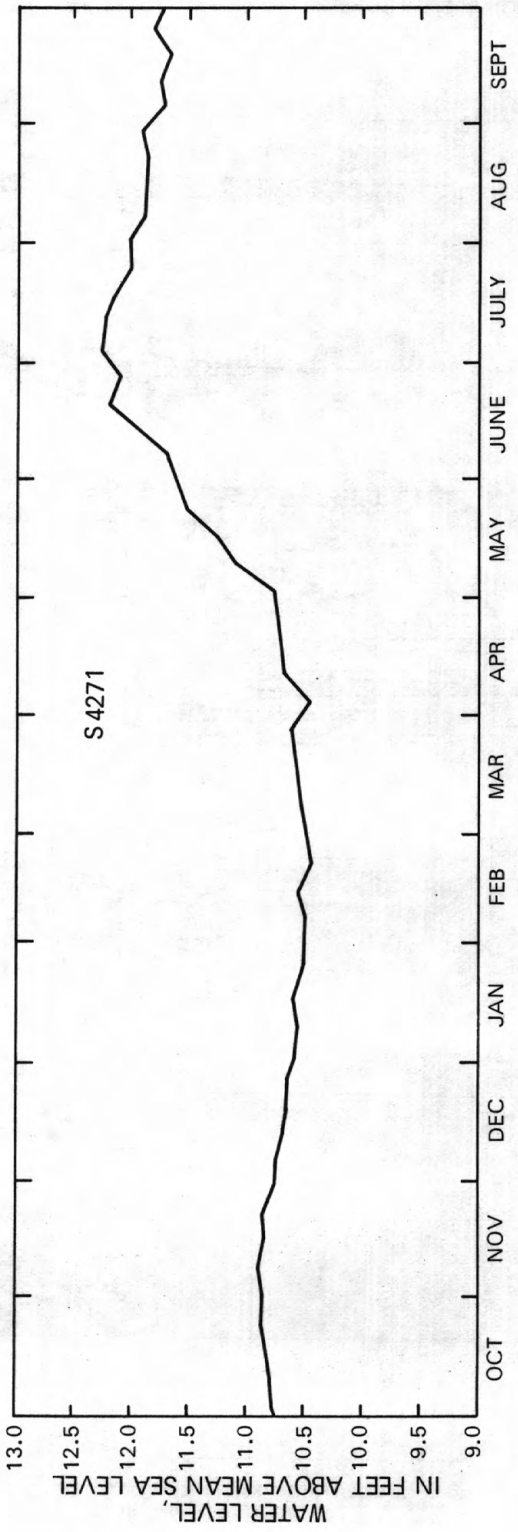


Figure 4.--Hydrograph of water-table well S4271 at Riverhead.

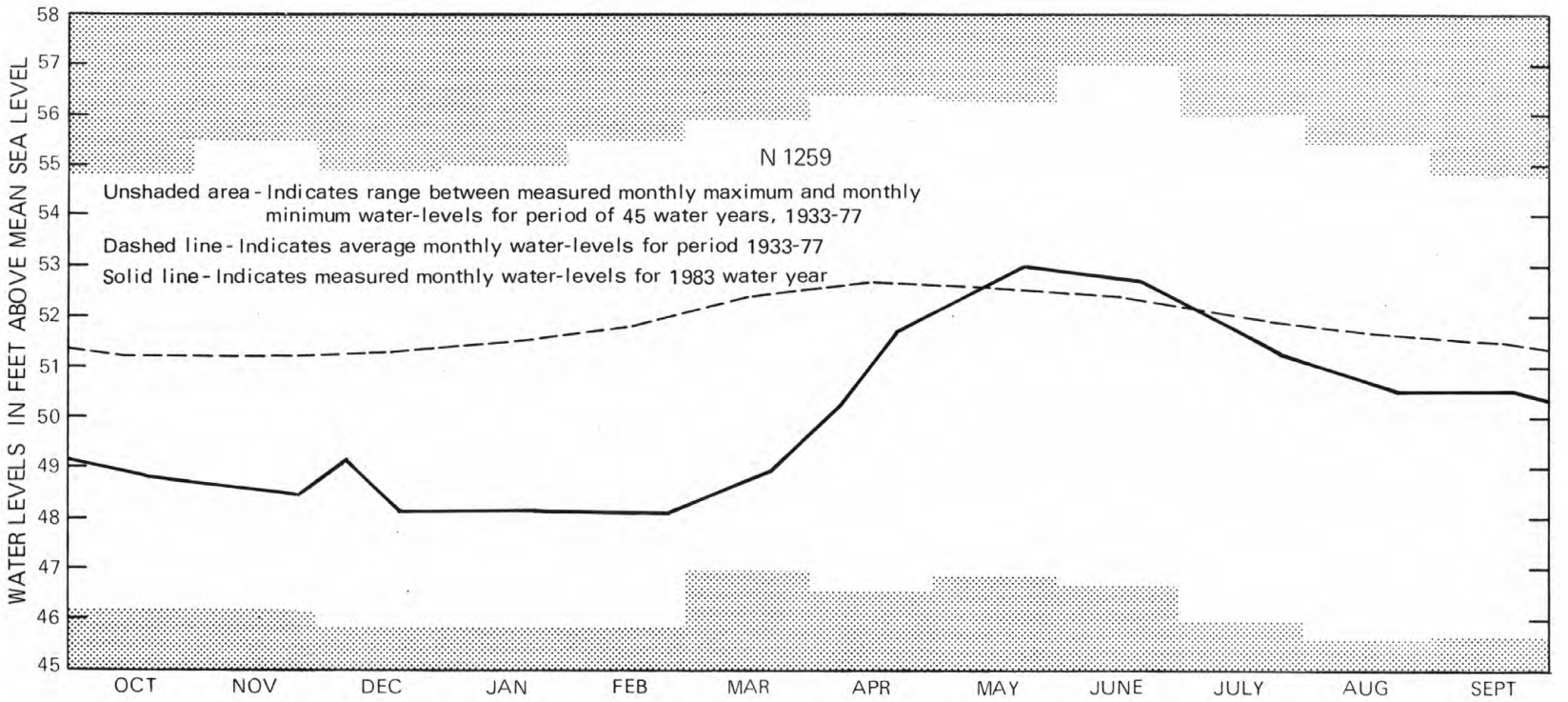


Figure 5.--Hydrograph of water-table observation well N1259 at Plainedge.

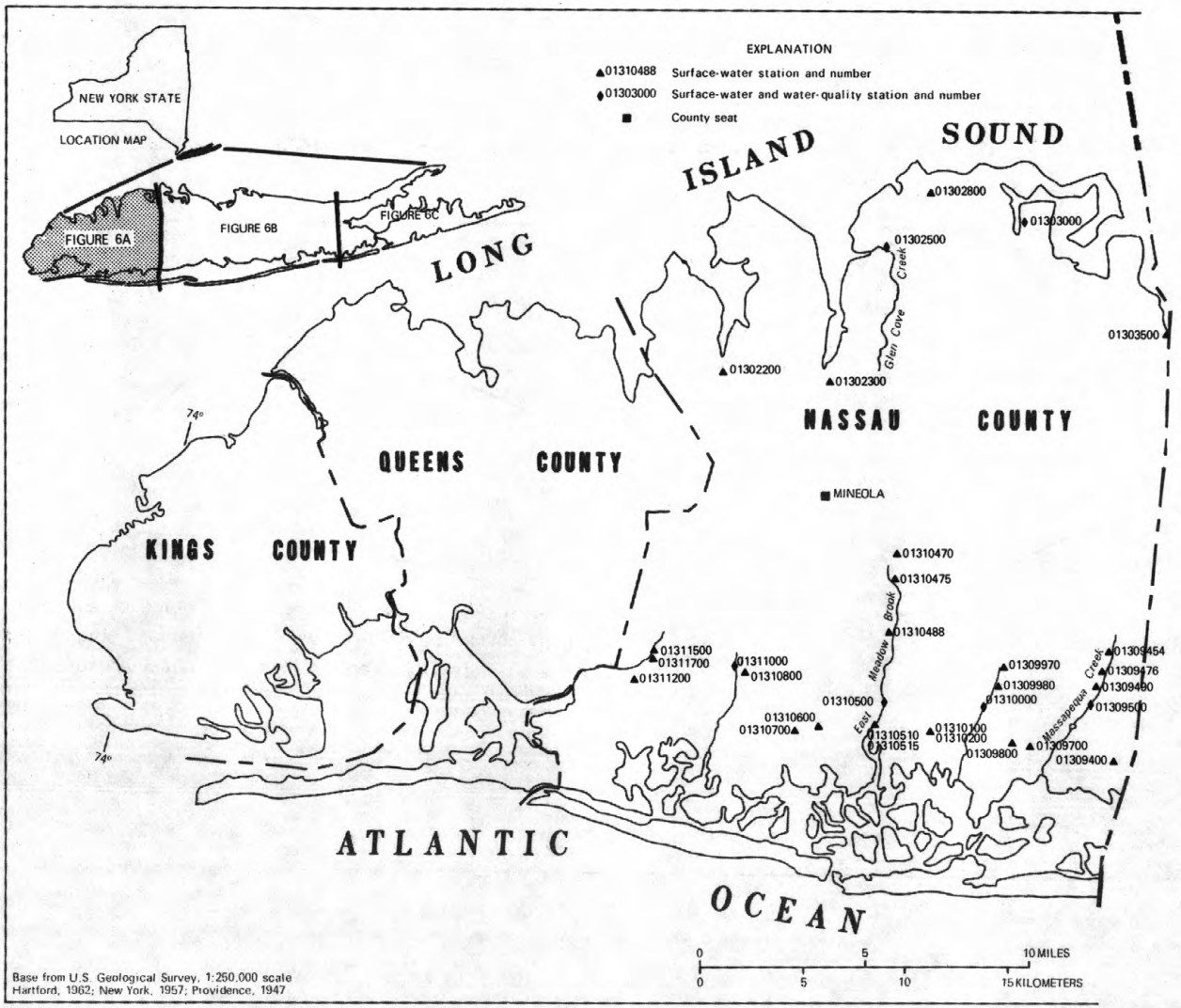


FIGURE 6A.-- LOCATION OF SURFACE-WATER DATA COLLECTION STATIONS

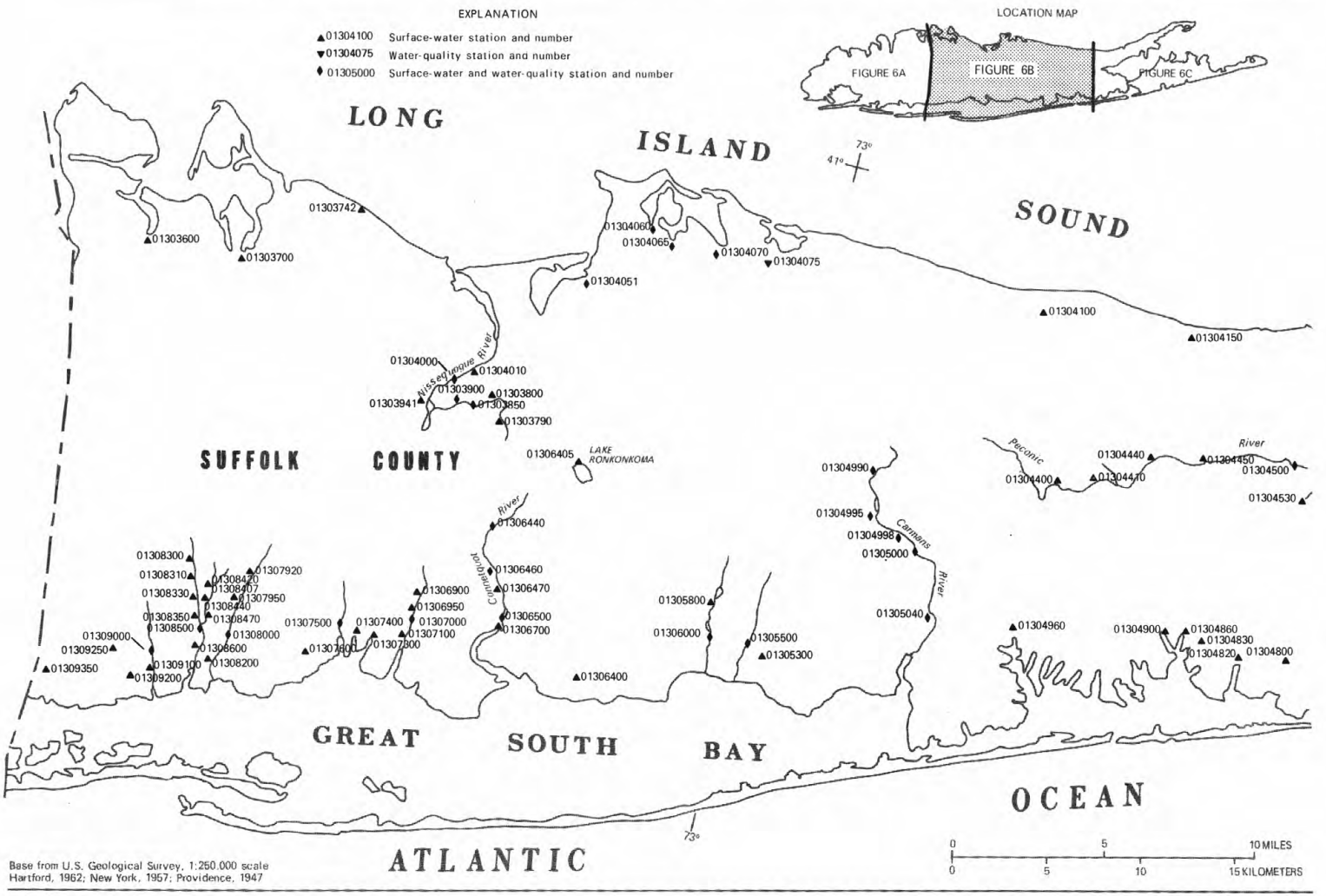


FIGURE 6B.-- LOCATION OF SURFACE-WATER DATA COLLECTION STATIONS

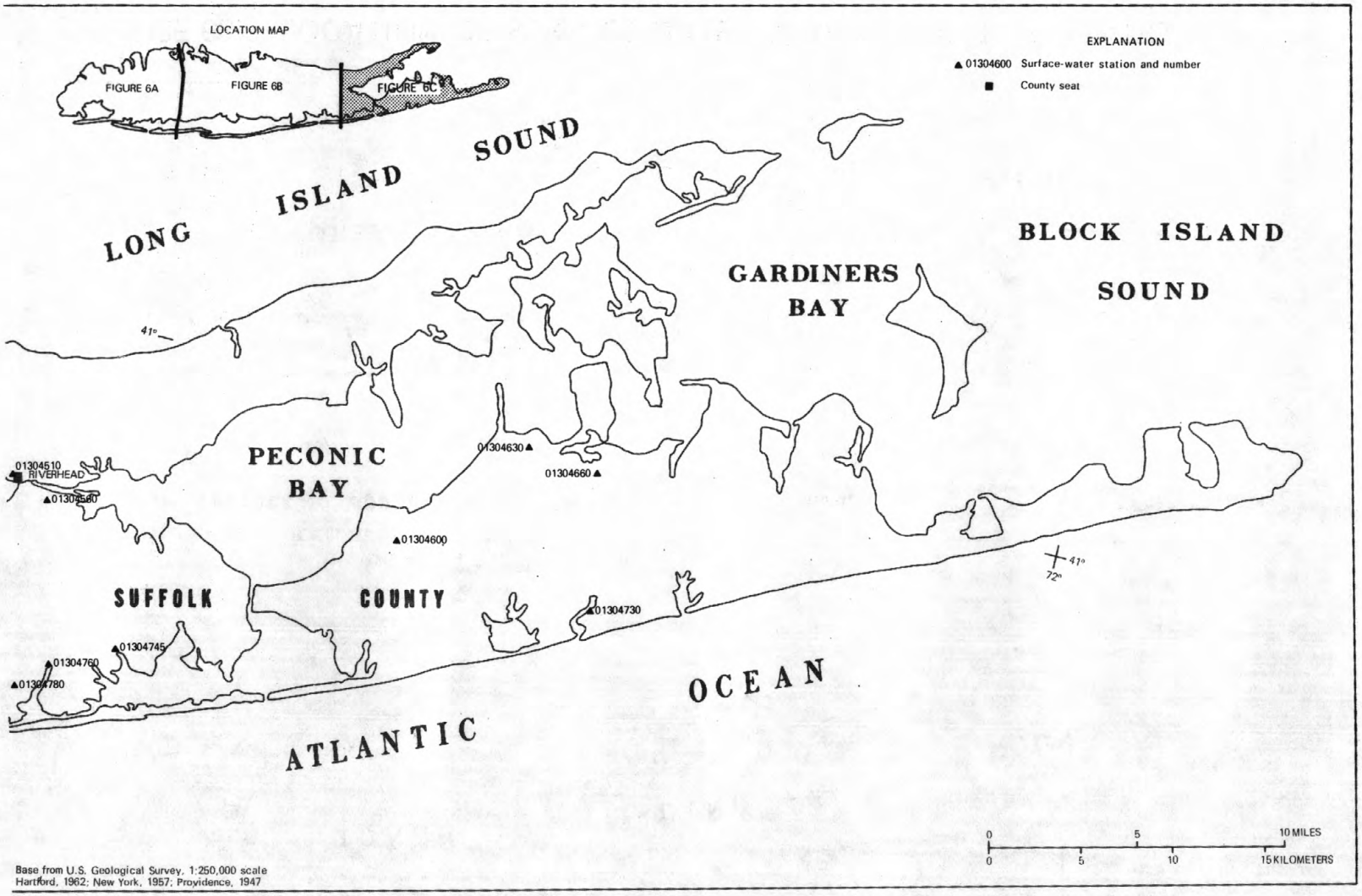


FIGURE 6C.-- LOCATION OF SURFACE-WATER DATA COLLECTION STATIONS

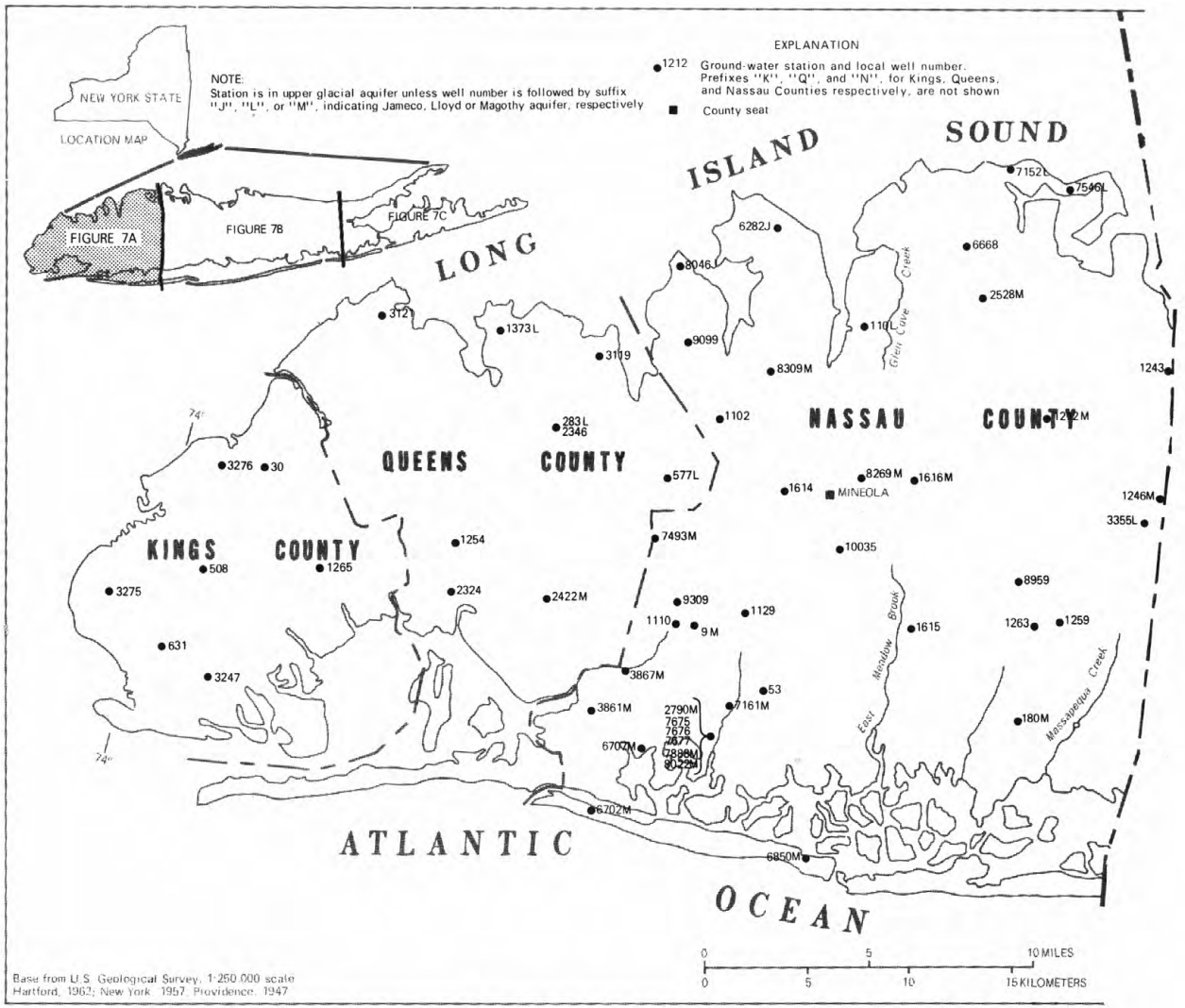


FIGURE 7A.-- LOCATION OF WATER-LEVEL DATA COLLECTION STATIONS

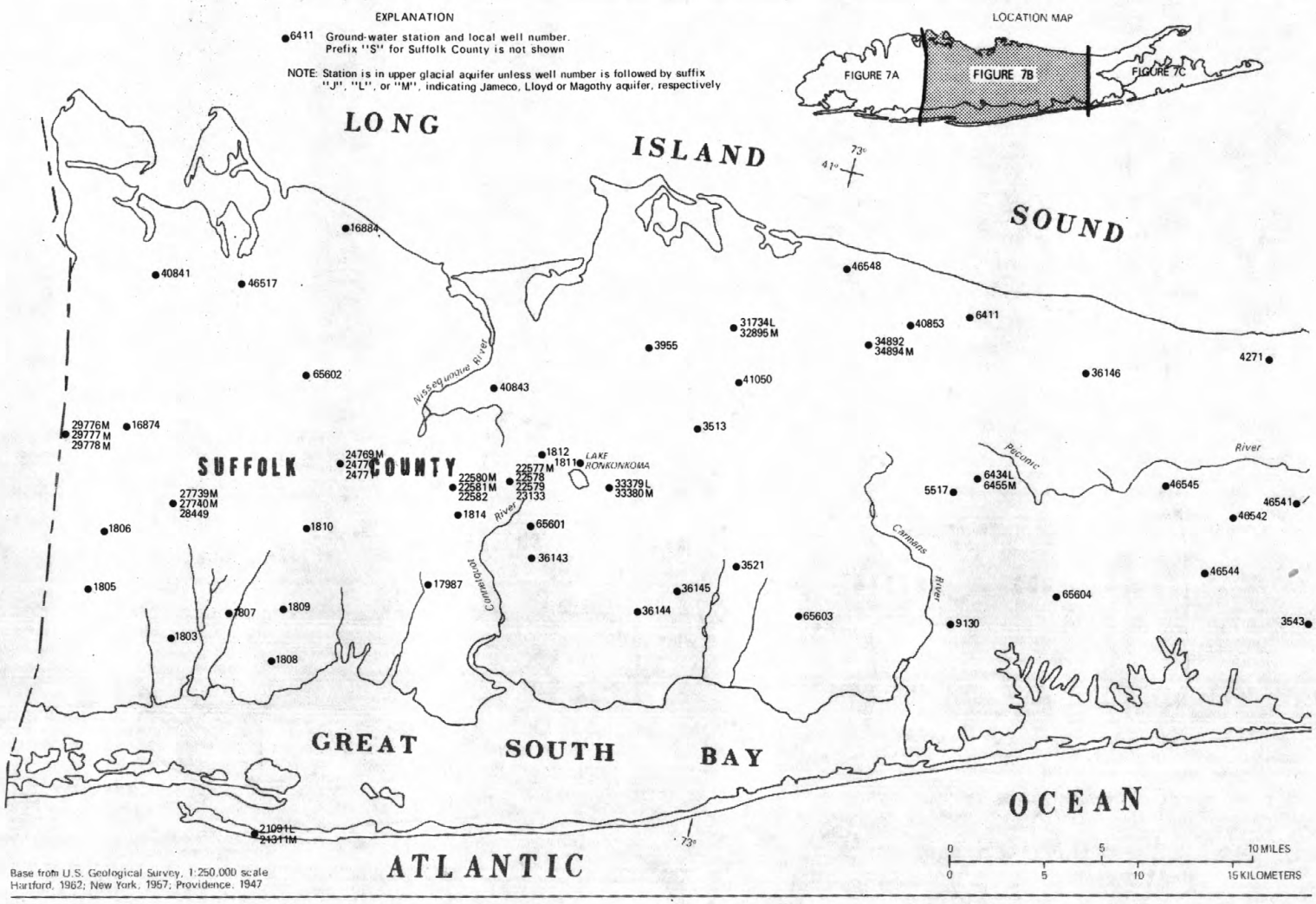


FIGURE 7B.-- LOCATION OF WATER-LEVEL DATA COLLECTION STATIONS

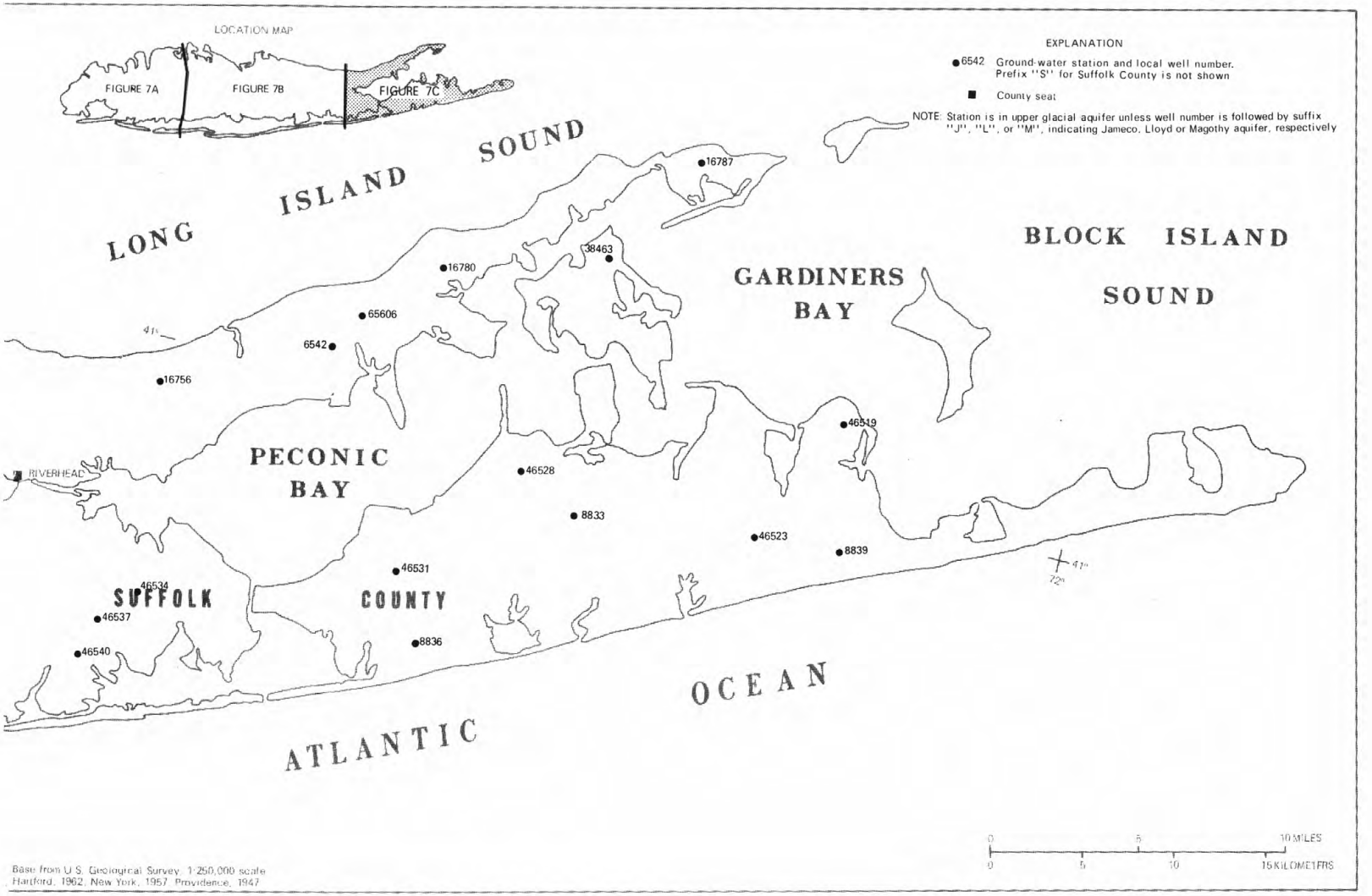


FIGURE 7C.-- LOCATION OF WATER-LEVEL DATA COLLECTION STATIONS

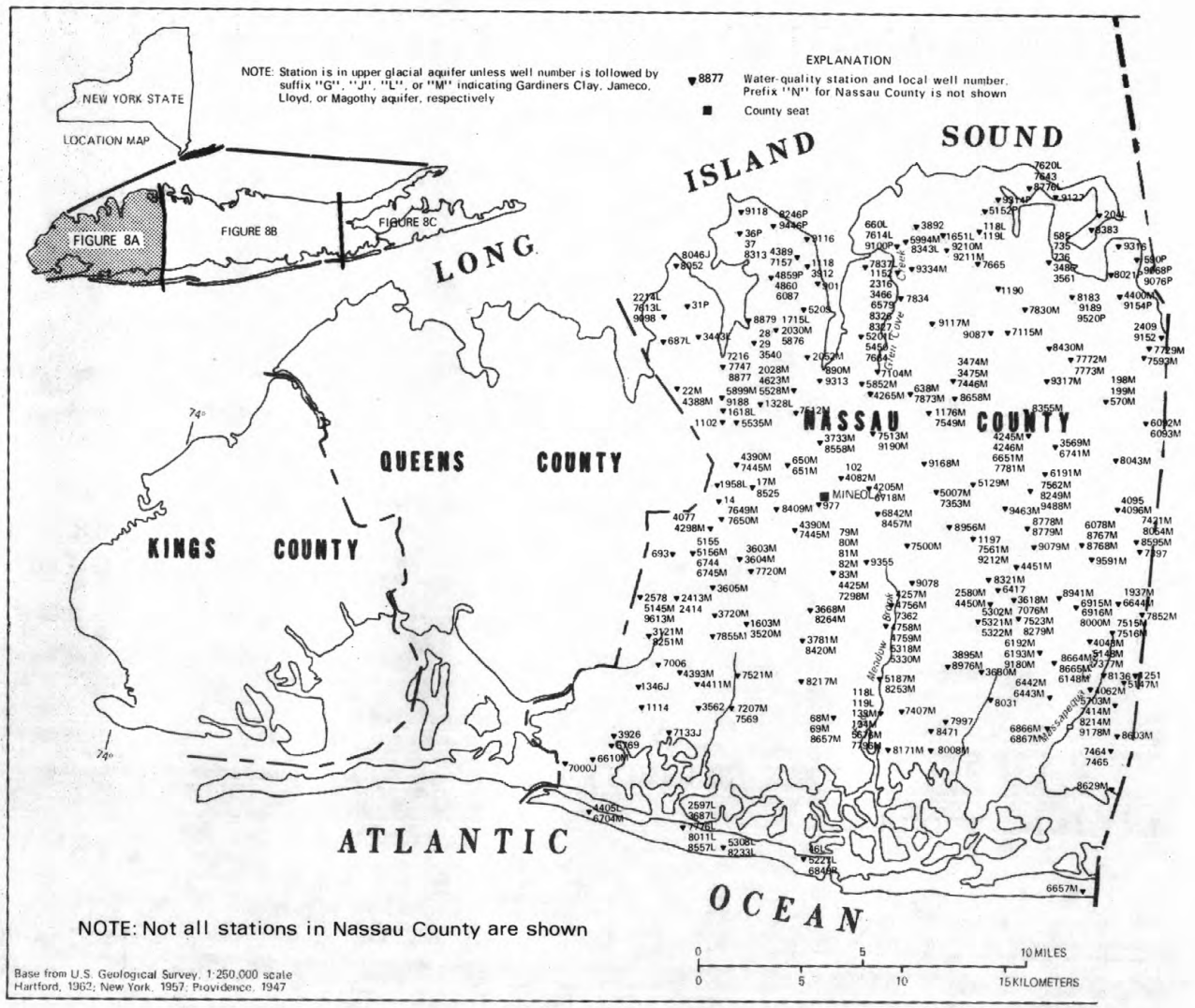


FIGURE 8A.-- LOCATION OF QUALITY OF GROUND-WATER DATA COLLECTION STATIONS

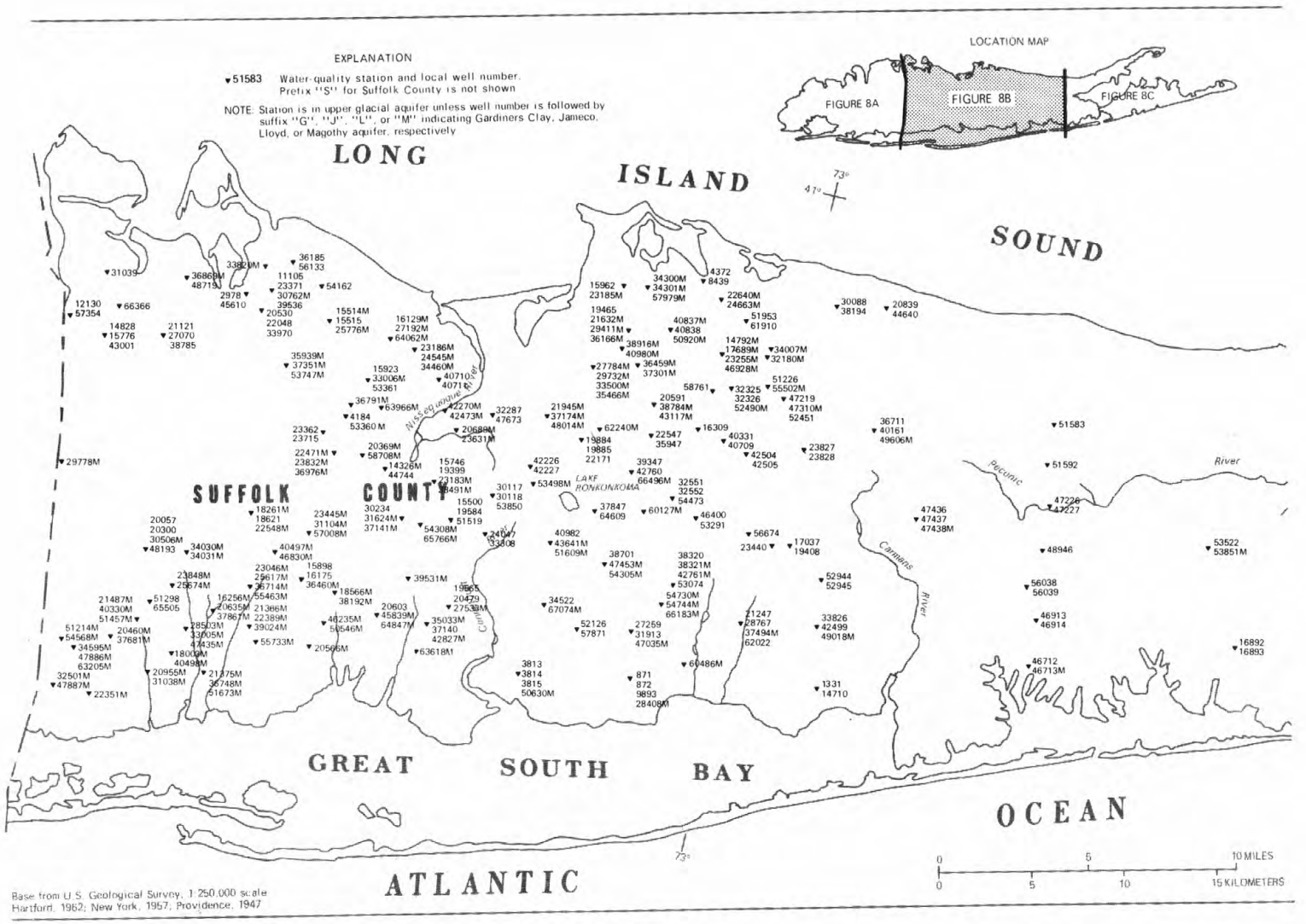


FIGURE 8B.-- LOCATION OF QUALITY OF GROUND-WATER DATA COLLECTION STATIONS

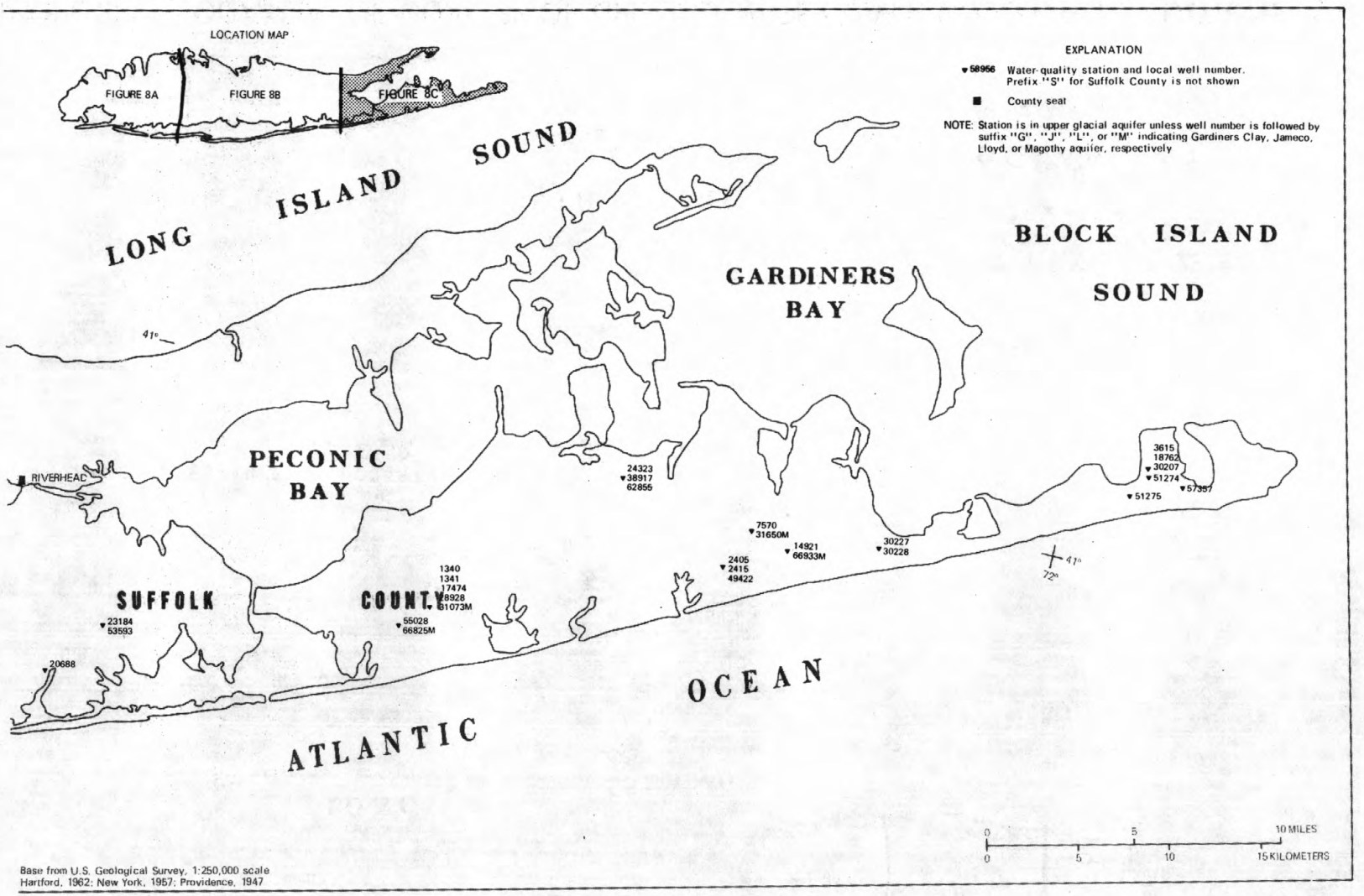


FIGURE 8C.-- LOCATION OF QUALITY OF GROUND-WATER DATA COLLECTION STATIONS

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.

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 National Geodetic Vertical Datum of 1929. Prior to Oct. 31, 1977, at datum 0.15 ft higher. Prior to June 17, 1965, at datum 0.19 ft higher.

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

AVERAGE DISCHARGE.--45 years, 7.21 ft^3/s.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 648 ft^3/s Apr. 10, gage height, 4.63 ft from rating curve extended above 220 ft^3/s; minimum discharge, 3.1 ft^3/s Oct. 24, gage height, 0.64 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.8	3.7	6.1	3.5	4.6	15	5.7	6.1	6.2	5.4	6.5	5.7
2	3.7	3.7	4.4	3.4	5.2	18	5.3	6.3	6.4	5.6	5.6	5.6
3	3.5	3.8	4.0	3.5	25	7.1	40	6.3	5.9	5.4	5.5	5.5
4	3.7	3.8	3.8	3.5	6.4	5.7	9.5	12	24	5.4	7.5	5.3
5	3.8	8.8	3.7	4.6	5.2	7.9	7.2	6.3	6.7	17	5.4	5.5
6	4.1	3.7	5.7	11	4.8	5.2	6.3	6.0	6.4	6.2	5.4	5.4
7	4.1	3.5	4.6	4.1	5.9	12	6.3	5.8	6.5	5.7	5.4	5.4
8	4.3	3.7	3.7	3.8	5.1	20	24	7.3	6.9	6.0	5.6	5.3
9	5.5	3.5	3.5	3.5	4.6	11	14	6.7	6.3	5.6	5.6	5.3
10	3.4	3.5	3.5	17	4.4	16	132	5.6	6.2	5.4	5.5	5.4
11	3.4	3.5	3.7	29	4.3	18	32	5.6	6.0	5.5	52	5.3
12	3.4	3.8	3.7	6.3	4.0	20	16	5.5	5.9	6.0	37	10
13	3.7	25	3.7	5.3	3.8	12	12	5.5	6.2	5.9	12	5.9
14	4.1	4.8	3.7	4.8	4.0	8.5	7.5	5.5	5.9	5.7	8.5	5.4
15	4.4	5.5	4.0	9.9	4.7	6.1	6.1	6.0	6.0	11	7.3	5.2
16	4.3	4.1	16	6.3	5.6	5.3	92	15	5.9	5.9	7.0	5.1
17	4.1	4.1	5.0	4.6	8.0	5.0	26	7.4	5.5	5.4	6.5	6.2
18	4.1	4.0	4.1	4.3	8.7	44	15	6.1	5.4	5.9	7.5	5.1
19	4.0	3.8	3.8	4.1	6.7	31	44	6.2	5.4	8.9	6.1	5.2
20	3.5	3.8	4.0	4.0	6.0	13	17	7.6	6.0	6.2	5.9	5.3
21	4.1	3.7	3.8	4.0	6.6	24	9.4	6.8	5.8	15	5.7	30
22	3.4	3.7	3.7	4.0	7.1	9.1	7.4	7.6	5.7	6.8	5.8	14
23	3.4	3.7	3.7	32	7.9	6.7	6.5	8.7	5.8	5.9	5.8	5.7
24	3.2	3.5	4.6	8.4	7.2	5.8	92	6.4	6.0	11	5.8	5.8
25	12	3.4	3.7	6.2	6.0	5.5	27	6.2	5.8	6.2	5.8	5.6
26	14	3.4	3.5	5.2	5.3	5.2	15	11	7.4	6.3	5.8	5.6
27	3.8	3.4	3.5	4.8	4.9	26	9.7	11	8.9	6.1	5.8	5.5
28	3.8	4.6	3.5	4.7	5.2	22	7.3	6.3	28	5.7	16	5.3
29	3.7	14	4.0	4.6	---	8.4	6.7	7.4	7.6	5.4	6.7	5.3
30	3.5	4.4	3.5	6.7	---	6.7	6.4	16	5.4	5.7	5.8	33
31	3.5	---	3.7	5.3	---	6.0	---	7.7	---	5.3	5.8	---
TOTAL	137.3	151.9	135.9	222.4	177.2	406.2	705.3	233.9	226.1	213.5	282.6	228.9
MEAN	4.43	5.06	4.38	7.17	6.33	13.1	23.5	7.55	7.54	6.89	9.12	7.63
MAX	14	25	16	32	25	44	132	16	28	17	52	33
MIN	3.2	3.4	3.5	3.4	3.8	5.0	5.3	5.5	5.4	5.3	5.4	5.1

CAL YR 1982 TOTAL 2340.6 MEAN 6.41 MAX 82 MIN 3.2
WTR YR 1983 TOTAL 3121.2 MEAN 8.55 MAX 132 MIN 3.2

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 1982 TO SEPTEMBER 1983

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)
NOV 29...	1040	9.7	165	6.4	10.0	9.7	42	18	11	3.5
FEB 22...	1200	6.9	370	6.2	10.0	--	70	32	18	6.0
MAY 18...	0930	6.3	287	6.6	12.0	9.7	80	42	21	6.8
AUG 23...	0940	5.9	265	6.5	20.0	4.4	79	47	20	7.1

DATE	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)
NOV 29...	8.9	2.2	24	15	13	.10	7.3	84	1.78	1.78
FEB 22...	30	2.3	38	27	45	<.10	11	180	3.08	4.18
MAY 18...	17	2.0	39	26	30	<.10	14	160	5.28	4.69
AUG 23...	19	1.8	32	30	28	<.10	16	160	4.48	4.77

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)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
NOV 29...	.020	.400	.80	3.0	.120	.090	1300	40	.09
FEB 22...	.020	.190	.31	3.6	.080	.040	940	90	.06
MAY 18...	.020	.170	.13	5.6	<.010	.010	620	120	.04
AUG 23...	.020	.100	.30	4.9	.010	<.010	490	70	.04

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 upstream from Feeks Lane (Cleft Road) bridge in Mill Neck, and 1.5 mi southwest of Bayville. Water-quality sampling site at discharge station.

DRAINAGE AREA.--About 11.5 mi^2.

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1141: Drainage area.

GAGE.--Water-stage recorder and steel sheet-piling control. Datum of gage is 6.49 ft National Geodetic Vertical Datum of 1929. Prior to June 23, 1965, at datum 0.06 ft higher.

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

AVERAGE DISCHARGE.--46 years, 9.11 ft^3/s.

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

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr. 10	1830	*68	1.11	Apr. 24	1700	40	0.83
Apr. 16	2030	54	.98	Aug. 12	1000	40	.83

Minimum discharge, 4.8 ft^3/s Oct. 17, gage height, 0.20 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.0	5.6	7.3	5.8	6.7	7.1	6.8	8.6	10	8.2	7.3	6.9
2	5.6	5.6	7.2	5.6	6.7	14	6.6	8.6	9.0	7.8	7.7	6.6
3	5.6	5.6	6.6	5.5	13	10	17	8.7	8.3	7.3	7.1	7.4
4	5.6	5.8	6.5	5.3	9.6	7.7	14	11	14	7.4	7.0	7.7
5	5.6	7.1	6.3	5.6	7.0	7.1	9.7	9.9	11	8.9	7.1	7.7
6	5.6	6.4	6.5	8.9	6.7	6.6	8.1	8.9	9.3	12	7.1	7.3
7	5.6	5.8	6.0	7.7	8.0	8.5	7.6	8.5	8.5	8.8	7.0	6.9
8	6.0	5.6	5.6	6.4	7.4	11	10	8.4	8.1	7.7	6.9	6.6
9	6.3	5.3	5.5	5.8	6.7	13	16	9.2	7.7	7.3	6.6	6.6
10	5.6	5.3	5.6	6.3	6.0	10	33	8.5	7.7	7.0	6.6	6.6
11	5.6	5.5	6.0	22	6.7	10	33	8.2	7.7	7.0	10	6.5
12	5.6	5.8	6.4	11	9.6	15	15	8.3	7.7	7.1	31	6.7
13	6.0	13	6.1	8.0	8.0	9.8	10	8.3	7.7	6.8	16	8.2
14	6.0	9.8	5.7	6.7	7.4	7.6	8.7	8.3	7.6	6.7	10	7.3
15	5.6	7.4	5.8	8.0	7.0	6.7	8.3	8.5	7.5	7.1	8.4	6.7
16	5.4	6.3	9.5	9.2	6.7	6.3	24	10	7.4	7.9	7.6	6.7
17	5.4	5.9	9.2	7.4	7.4	6.1	31	12	7.4	7.4	7.3	6.7
18	5.4	5.6	7.1	6.3	7.7	10	15	9.7	7.5	7.0	7.4	6.9
19	5.6	5.7	6.4	6.0	7.4	26	19	8.8	7.7	8.3	7.6	6.7
20	5.6	5.9	6.3	5.6	7.0	13	18	9.3	8.0	9.3	7.2	6.7
21	6.0	5.9	6.1	5.6	7.0	12	12	9.6	8.0	8.6	6.7	7.3
22	5.6	5.9	5.7	6.0	7.0	11	9.9	9.7	7.9	9.5	6.7	17
23	5.6	5.9	5.8	12	7.4	8.0	9.2	11	7.6	7.9	6.6	10
24	5.6	5.8	6.3	15	7.4	7.1	24	9.6	7.3	8.9	6.6	7.9
25	6.7	5.5	6.3	9.2	7.0	6.4	26	8.8	7.0	8.5	6.7	7.2
26	13	5.5	6.1	7.4	6.7	6.3	15	8.6	7.0	7.6	6.8	7.0
27	8.6	5.8	5.9	6.7	6.3	7.3	11	12	7.0	7.2	6.6	7.0
28	6.6	6.1	6.1	6.3	6.3	18	10	11	10	7.0	7.6	7.0
29	6.0	12	6.1	6.3	---	11	9.2	9.5	14	6.9	11	7.0
30	5.6	8.8	5.8	6.7	---	8.1	9.0	10	9.7	6.9	8.7	13
31	5.4	---	5.7	7.4	---	7.2	---	13	---	7.6	7.5	---
TOTAL	188.4	196.2	197.5	241.7	207.8	307.9	446.1	294.5	255.3	243.6	264.4	229.8
MEAN	6.08	6.54	6.37	7.80	7.42	9.93	14.9	9.50	8.51	7.86	8.53	7.66
MAX	13	13	9.5	22	13	26	33	13	14	12	31	17
MIN	5.4	5.3	5.5	5.3	6.0	6.1	6.6	8.2	7.0	6.7	6.6	6.5

CAL YR 1982 TOTAL 2558.2 MEAN 7.01 MAX 26 MIN 5.3
WTR YR 1983 TOTAL 3073.2 MEAN 8.42 MAX 33 MIN 5.3

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 1982 TO SEPTEMBER 1983

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)
NOV 29...	1005	14	159	6.8	7.0	9.3	27	6	5.2	3.5
FEB 22...	1245	6.6	188	6.0	5.0	--	38	19	9.0	3.7
MAY 18...	0835	9.6	172	8.7	14.0	11.6	46	--	11	4.4
AUG 23...	0850	6.6	155	7.8	25.0	9.6	43	16	10	4.4

DATE	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)
NOV 29...	9.9	.60	21	11	13	.10	5.5	68	.490	1.27
FEB 22...	12	1.1	19	17	17	<.10	11	89	--	1.48
MAY 18...	15	1.1	--	--	--	<.10	6.2	--	.980	2.88
AUG 23...	12	1.4	27	18	16	.10	8.6	88	.180	.240

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)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
NOV 29...	.010	.150	.55	1.1	<.010	<.010	420	20	.06
FEB 22...	--	--	--	--	--	--	300	40	.04
MAY 18...	.020	.040	.46	1.5	.030	<.010	360	50	.05
AUG 23...	.020	.030	1.4	1.6	.080	.030	520	90	.04

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 upstream from State Highway 25A, at Cold Spring Harbor State Fish Hatchery, and 1.0 mi southwest of village of Cold Spring Harbor.

DRAINAGE AREA.--About 7.3 mi^2.

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

REVISED RECORDS.--WDR NY-81-2: 1954 (M), 1958 (M), 1962-63 (M), 1971 (M), 1978-79, 1980 (M).

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

REMARKS.--Records good except those above 100 ft^3/s, which are fair. Flow occasionally regulated at outlet of pond 40 ft above station. Diversion from this pond by New York State Fish Hatchery bypasses station, except during the 1979 water year.

AVERAGE DISCHARGE.--32 years (1951-78, 80-83), 2.59 ft^3/s (unadjusted).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 181 ft^3/s Jan. 21, 1979, gage height, 1.99 ft (result of regulation), from rating curve extended above 80 ft^3/s; maximum gage height, 5.34 ft Aug. 31, 1954 (backwater from high tide), from high-water mark; minimum discharge, 0.20 ft^3/s Jan. 24-27, 1967, gage height, 0.07 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 33 ft^3/s Apr. 16, gage height, 0.87 ft; maximum gage height, 1.33 ft Aug. 12 (backwater from high tide), minimum discharge 0.86 ft^3/s Oct. 21, 22, Sept. 21 (result of regulation), minimum gage height, 0.15 ft Sept. 21 (result of regulation).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.3	1.3	2.2	1.4	1.8	1.6	2.2	2.4	3.2	2.3	2.5	2.2
2	1.3	1.3	2.0	1.3	1.7	2.5	2.2	2.4	2.6	2.2	2.6	2.2
3	1.3	1.3	1.8	1.3	2.8	2.6	3.5	2.4	2.2	2.1	2.6	2.0
4	1.3	1.3	1.5	1.1	2.8	2.3	4.4	2.8	2.8	2.0	2.6	2.0
5	1.3	1.4	1.6	1.1	2.3	2.1	3.4	2.6	2.8	2.1	2.6	2.2
6	1.1	1.4	1.7	1.6	2.0	1.9	2.8	2.6	2.4	3.0	2.6	2.2
7	.98	1.3	1.5	1.9	2.2	2.1	2.5	2.4	2.2	2.7	2.6	2.2
8	.98	1.3	1.4	1.8	2.0	2.5	2.5	2.2	2.0	2.4	2.6	2.0
9	1.1	1.3	1.2	1.7	1.8	3.3	2.9	2.4	1.8	2.2	2.2	2.0
10	1.1	1.4	1.2	1.8	1.6	3.1	8.5	2.4	1.8	2.2	2.0	1.8
11	1.1	1.3	1.3	3.7	1.8	3.2	10	2.4	1.8	2.2	2.0	1.8
12	1.1	1.1	1.4	3.3	2.8	4.1	4.9	2.4	1.8	2.0	2.4	2.1
13	1.1	2.4	1.4	2.4	2.5	3.4	3.4	2.4	1.8	2.0	2.2	2.3
14	1.1	2.8	1.4	2.0	2.1	2.6	2.8	2.4	1.8	2.0	1.8	2.2
15	1.1	2.4	1.3	2.0	1.9	2.1	2.4	2.4	1.8	2.1	1.8	2.0
16	1.3	2.0	2.1	2.2	1.8	2.0	9.5	2.7	2.0	2.2	1.7	4.6
17	.98	1.8	2.4	2.0	1.8	1.8	12	3.2	1.8	2.3	1.9	5.5
18	.98	1.6	2.1	1.7	1.9	2.2	5.6	2.8	2.0	2.6	2.0	2.9
19	.98	1.4	1.8	1.6	1.9	5.8	4.8	2.6	2.0	2.6	2.2	2.2
20	.98	1.4	1.7	1.6	1.8	4.8	5.5	2.6	2.2	2.7	2.2	1.9
21	.98	1.3	1.6	1.6	1.8	3.8	4.3	2.6	2.6	2.7	2.2	3.0
22	.98	1.4	1.6	1.5	1.8	3.7	3.4	2.6	2.6	2.6	2.0	4.2
23	1.1	1.6	1.4	1.9	1.8	3.0	3.0	2.8	2.6	2.6	1.9	3.1
24	1.1	1.4	1.4	3.2	1.8	2.6	6.4	2.6	2.6	3.3	2.0	2.5
25	1.3	1.4	1.6	2.7	1.8	2.2	7.8	2.4	2.4	3.9	1.9	2.2
26	1.8	1.4	1.6	2.2	1.6	2.0	4.8	2.2	2.2	2.8	2.0	2.2
27	1.6	1.4	1.6	1.9	1.6	2.2	3.5	2.6	2.2	2.7	2.2	2.1
28	1.4	1.5	1.6	1.8	1.6	4.2	2.8	2.6	2.3	2.4	2.2	2.0
29	1.4	2.1	1.6	1.8	---	3.7	2.4	2.2	3.0	2.4	2.4	2.1
30	1.3	2.1	1.4	1.8	---	2.9	2.4	2.4	2.5	2.4	2.3	2.9
31	1.3	---	1.4	1.8	---	2.5	---	3.7	---	2.4	2.2	---
TOTAL	36.74	47.1	49.8	59.7	55.1	88.8	136.6	79.2	67.8	76.1	68.4	74.6
MEAN	1.19	1.57	1.61	1.93	1.97	2.86	4.55	2.55	2.26	2.45	2.21	2.49
MAX	1.8	2.8	2.4	3.7	2.8	5.8	12	3.7	3.2	3.9	2.6	5.5
MIN	.98	1.1	1.2	1.1	1.6	1.6	2.2	2.2	1.8	2.0	1.7	1.8

CAL YR 1982 TOTAL 746.32 MEAN 2.04 MAX 12 MIN .98
WTR YR 1983 TOTAL 839.94 MEAN 2.30 MAX 12 MIN .98

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 downstream from New Mill Pond, 1.0 mi southwest of Smithtown, and 1.5 mi southwest of village of Smithtown Branch. Water-quality sampling site at discharge station.

DRAINAGE AREA.--About 27 mi^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 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.--40 years, 41.7 ft^3/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 952 ft^3/s Jan. 22, 1979, gage height, 3.22 ft (result of dam failure), from rating curve extended above 600 ft^3/s; minimum, 16 ft^3/s June 5, 6, 1967; minimum gage height, 0.46 ft Feb. 9, 1951; minimum daily, 19 ft^3/s June 6, 1967.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 201 ft^3/s Aug. 12, gage height, 1.47 ft; minimum, 27 ft^3/s Feb. 25, gage height, 0.57 ft (result of regulation).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	33	41	36	38	38	44	61	59	49	40	41
2	35	33	40	35	38	46	46	61	57	47	40	40
3	35	33	37	35	50	43	63	61	55	45	38	38
4	35	34	37	35	47	40	65	65	69	44	38	38
5	35	38	36	35	41	40	56	64	65	44	38	38
6	35	37	38	40	39	39	51	61	59	48	38	38
7	35	36	37	40	41	45	49	60	57	45	37	37
8	35	35	36	37	40	51	53	59	56	44	37	37
9	36	35	35	36	38	59	61	59	54	44	37	37
10	35	33	35	37	37	55	91	57	53	43	37	37
11	35	33	35	49	37	55	129	57	52	43	55	37
12	35	35	37	44	43	63	88	57	52	41	159	38
13	35	46	36	40	40	57	69	57	51	40	117	40
14	36	46	35	37	39	50	61	56	50	40	75	40
15	35	42	34	40	38	46	59	57	49	40	55	39
16	34	38	43	45	38	44	78	66	49	40	47	39
17	33	36	48	41	39	43	119	72	48	38	40	38
18	33	35	42	38	41	50	90	63	48	38	36	39
19	32	35	39	37	41	75	86	58	48	40	37	38
20	33	35	38	35	40	62	85	58	48	43	38	38
21	33	34	37	33	40	58	74	59	47	40	38	39
22	33	34	36	35	40	56	67	60	47	40	38	48
23	32	34	36	42	41	50	64	63	47	38	38	44
24	32	34	36	58	41	48	90	59	45	47	38	42
25	34	33	36	51	33	46	111	57	44	47	37	41
26	38	33	36	42	32	45	93	55	44	44	37	40
27	35	33	36	40	35	47	74	69	44	43	37	41
28	34	33	36	38	36	63	68	67	51	41	37	40
29	33	49	36	37	---	54	65	61	60	40	43	39
30	33	45	36	37	---	49	63	60	54	40	43	40
31	33	---	36	40	---	47	---	61	---	41	41	---
TOTAL	1063	1090	1156	1225	1103	1564	2212	1880	1562	1317	1466	1181
MEAN	34.3	36.3	37.3	39.5	39.4	50.5	73.7	60.6	52.1	42.5	47.3	39.4
MAX	38	49	48	58	50	75	129	72	69	49	159	48
MIN	32	33	34	33	32	38	44	55	44	38	36	37

CAL YR 1982 TOTAL 15150 MEAN 41.5 MAX 140 MIN 32
WTR YR 1983 TOTAL 16819 MEAN 46.1 MAX 159 MIN 32

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.
WATER TEMPERATURES: January 1978 to September 1981.

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 1982 TO SEPTEMBER 1983

	DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD 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											
	17	1400	36	120	6.3	7.0	<1.0	770	12.8	104	K12	K9
	DEC											
*	08	1400	36	100	6.3	4.0	--	--	9.6	--	--	--
	MAR											
	02	1315	46	130	6.4	7.5	<1.0	--	--	--	--	--
*	15	1400	46	85	6.3	10.0	--	--	11.6	--	--	--
	MAY											
	11	1145	57	100	6.6	14.0	<1.0	772	9.3	89	33	70
	JUN											
*	14	1400	51	120	6.6	22.0	--	--	8.6	--	--	--
	AUG											
	17	1045	46	120	6.0	19.0	1.1	769	8.3	89	57	--
	SEP											
*	13	1400	40	110	--	19.0	--	--	7.8	--	--	--

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 1982 TO SEPTEMBER 1983

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)
NOV										
17...	--	--	--	--	--	--	--	14	11	16
DEC										
08...	28	13	6.8	2.6	11	1.4	15	--	6.0	16
MAR										
02...	25	13	6.2	2.4	12	.90	--	12	9.8	17
15...	20	11	5.4	1.6	8.6	1.0	10	--	6.7	14
MAY										
11...	27	12	6.6	2.5	11	1.0	--	15	10	16
JUN										
14...	29	14	7.6	2.4	9.2	1.1	15	--	6.7	16
AUG										
17...	24	11	6.3	2.1	11	1.1	--	13	9.2	15
SEP										
13...	29	--	7.4	2.6	11	1.1	--	--	8.2	17

DATE	FLUORIDE, DISSOLVED (MG/L AS F)	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)
NOV										
17...	<.10	--	90	--	--	--	--	--	--	.30
DEC										
08...	<.50	--	--	--	2.00	.014	2.01	.100	.50	.60
MAR										
02...	.10	4.1	77	60	--	--	--	--	--	.70
15...	--	--	--	--	1.30	.009	1.31	.060	.04	.10
MAY										
11...	<.10	4.8	64	61	--	--	--	--	--	.30
JUN										
14...	--	--	--	--	1.80	.010	1.81	.060	.34	.40
AUG										
17...	<.10	7.1	85	60	--	--	--	--	--	.40
SEP										
13...	--	--	--	--	2.00	.008	2.01	.060	--	<.10

01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN, NY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)
NOV										
17...	--	.020	.020	<.010	--	--	--	--	--	--
DEC										
08...	2.6	--	.007	.002	--	--	--	--	--	--
MAR										
02...	--	.020	<.010	<.010	<1	22	2	<1	<3	2
15...	1.4	--	.012	.003	--	--	--	--	--	--
MAY										
11...	--	<.010	<.010	<.010	1	30	<1	<1	<3	1
JUN										
14...	2.2	--	.016	.002	--	--	--	--	--	--
AUG										
17...	--	.010	.020	<.010	1	30	<1	<1	<3	2
SEP										
13...	--	--	.010	.003	--	--	--	--	--	--

DATE	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	NICKEL, DISSOLVED (UG/L AS NI)	SILVER, DISSOLVED (UG/L AS AG)	ZINC, DISSOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
NOV										
17...	--	--	--	--	--	--	--	--	--	--
DEC										
08...	300	150	--	40	30	--	--	--	--	<.02
MAR										
02...	--	61	3	--	22	.2	5	<1	14	--
15...	200	200	--	40	40	--	--	--	--	<.02
MAY										
11...	--	83	1	--	30	.3	3	<1	9	--
JUN										
14...	300	400	--	90	80	--	--	--	--	.02
AUG										
17...	--	58	3	--	31	<.1	1	<1	8	--
SEP										
13...	200	100	--	60	--	--	--	--	--	<.10

01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN, NY--Continued

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)
NOV				
17...	1400	36	1	.10
MAR				
02...	1315	46	2	.25
MAY				
11...	1145	57	1	.15
AUG				
17...	1045	46	2	.25

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 downstream from Long Island Lighting Co dam, 0.4 mi west of Riverhead, and 1.2 mi upstream from outlet of Sweezy Pond. Water-quality sampling site at discharge station.

DRAINAGE AREA.--About 75 mi^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 National Geodetic Vertical Datum of 1929.

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

AVERAGE DISCHARGE.--41 years, 36.6 ft^3/s.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 135 ft^3/s Apr. 24, gage height, 0.94 ft; minimum, 1.8 ft^3/s Jan. 18, Feb. 9, gage height, 0.12 ft (result of freezeup); minimum daily, 11 ft^3/s Oct. 18.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	23	27	22	31	37	58	106	74	50	32	28
2	22	23	28	20	31	40	58	103	72	56	32	27
3	21	23	28	21	35	40	60	98	70	56	31	25
4	21	23	28	22	37	38	60	95	74	45	31	24
5	20	25	27	21	35	40	60	95	72	46	29	24
6	20	25	28	22	34	40	58	93	70	49	28	24
7	20	24	27	22	37	43	56	88	68	48	28	25
8	20	23	26	23	38	47	58	86	68	46	28	23
9	21	23	25	22	29	56	62	83	64	45	28	23
10	21	22	23	22	37	58	74	80	62	44	28	22
11	20	22	23	26	37	60	95	77	62	43	30	22
12	20	22	24	27	38	68	88	74	62	41	46	22
13	20	28	24	27	35	68	88	70	60	37	47	22
14	21	30	23	26	34	66	88	68	57	36	46	22
15	21	30	22	28	32	64	86	72	56	34	43	22
16	18	29	24	35	32	60	93	77	54	34	41	21
17	12	28	27	34	34	58	117	81	54	35	40	22
18	11	27	26	27	37	57	111	79	54	34	46	22
19	12	26	26	34	38	66	120	79	54	34	46	21
20	15	25	26	32	38	70	120	79	54	34	39	21
21	25	24	26	30	40	68	120	77	52	34	35	20
22	14	24	25	28	40	68	120	77	52	34	33	22
23	12	24	24	30	40	64	117	77	50	33	21	23
24	14	24	24	34	40	62	123	74	49	36	13	23
25	29	23	24	34	40	60	129	72	47	37	18	22
26	29	22	24	34	38	58	126	70	45	36	21	22
27	35	22	23	32	38	56	123	77	45	35	22	22
28	31	22	23	32	37	64	117	74	47	33	23	22
29	27	27	23	31	---	62	114	72	52	32	24	23
30	25	28	23	31	---	60	111	72	50	32	22	28
31	24	---	23	31	---	58	---	74	---	32	23	---
TOTAL	643	741	774	860	1012	1756	2810	2499	1750	1221	974	689
MEAN	20.7	24.7	25.0	27.7	36.1	56.6	93.7	80.6	58.3	39.4	31.4	23.0
MAX	35	30	28	35	40	70	129	106	74	56	47	28
MIN	11	22	22	20	29	37	56	68	45	32	13	20

CAL YR 1982 TOTAL 12278 MEAN 33.6 MAX 124 MIN 11
WTR YR 1983 TOTAL 15729 MEAN 43.1 MAX 129 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.

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	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)
DEC 08...	0900	26	105	6.3	9.0	8.3	7.8	2.4	9.6	2.0
MAR 15...	1000	60	83	6.1	7.0	11.2	5.3	1.6	7.7	1.6
JUN 14...	1000	58	98	6.4	24.0	7.0	6.0	2.0	9.0	1.5
SEP 13...	0900	22	105	--	22.0	5.7	8.4	2.3	9.6	1.8

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)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)
DEC 08...	17	12	16	<.50	.300	.200	.008	.010	.200	.200
MAR 15...	9	11	13	--	.260	.280	.006	.008	.150	.150
JUN 14...	14	10	13	--	.160	.190	.011	.010	.230	.210
SEP 13...	--	10	15	--	.120	.090	.004	.005	.080	.070

DATE	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, TOTAL (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)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
DEC 08...	.50	.20	.043	.021	.021	700	400	100	100	<.02
MAR 15...	.30	.30	.077	.052	.042	500	400	100	100	<.02
JUN 14...	.80	.50	.133	.095	.085	1400	1200	120	120	.02
SEP 13...	<.10	<.10	.071	.045	.040	600	400	110	--	<.10

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 upstream from Long Island Railroad bridge, 0.6 mi northeast of Yaphank Station, and 0.7 mi southeast of Yaphank. Water-quality sampling site at discharge station.

DRAINAGE AREA.--About 71 mi².

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 National Geodetic Vertical Datum of 1929. Prior to Feb. 2, 1967, at same site at datum 1.00 ft higher.

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

AVERAGE DISCHARGE.--41 years, 23.9 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 110 ft³/s Jan. 26, 1978, gage height, 1.93 ft; minimum, 2.8 ft³/s Feb. 24, 1967, gage height, 0.73 ft; minimum daily, 6.2 ft³/s Feb. 28, Mar. 3, 1967 (result of temporary construction upstream).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 80 ft³/s Apr. 16, gage height, 1.76 ft; minimum, 13 ft³/s Jan. 18, gage height, 1.04 ft (result of freezeup).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	22	22	20	19	22	28	39	34	30	30	29
2	22	22	23	20	19	25	28	39	33	29	29	28
3	22	22	22	19	24	22	33	39	33	29	28	27
4	22	22	21	19	23	21	33	41	38	28	28	27
5	22	24	21	19	20	21	30	39	35	31	28	27
6	22	23	22	21	20	21	29	38	33	35	28	26
7	22	21	19	20	23	24	29	37	33	31	27	26
8	22	21	17	19	22	28	31	37	32	30	27	27
9	22	21	20	19	20	31	32	38	31	29	27	26
10	22	21	19	19	20	28	42	36	31	29	27	26
11	22	21	20	25	20	28	45	36	31	28	32	26
12	22	21	21	22	23	31	37	36	30	29	52	26
13	22	27	21	20	20	28	34	36	30	28	40	26
14	23	25	20	19	20	26	33	35	30	27	34	26
15	22	24	21	23	20	26	33	36	30	27	32	25
16	22	22	25	24	20	26	45	41	30	27	30	24
17	21	22	24	21	23	26	54	41	30	27	30	25
18	21	21	22	19	24	28	44	37	30	27	30	25
19	21	21	21	20	22	34	46	35	30	28	30	24
20	21	21	21	19	22	31	44	37	31	29	29	24
21	22	21	21	19	21	31	41	36	30	28	29	24
22	21	21	20	19	21	32	39	36	30	29	28	29
23	21	21	20	21	22	29	39	37	29	27	28	26
24	21	21	20	23	22	28	49	36	28	33	27	25
25	23	20	20	21	22	28	50	34	28	31	27	24
26	27	20	20	20	22	27	45	34	28	29	27	24
27	24	20	20	19	21	28	44	41	28	28	27	24
28	22	20	20	19	20	35	41	37	34	28	27	24
29	22	26	20	19	---	31	40	35	36	27	30	24
30	22	23	20	19	---	29	39	35	32	30	29	26
31	22	---	19	20	---	28	---	35	---	33	29	---
TOTAL	685	657	642	626	595	853	1157	1149	938	901	926	770
MEAN	22.1	21.9	20.7	20.2	21.3	27.5	38.6	37.1	31.3	29.1	29.9	25.7
MAX	27	27	25	25	24	35	54	41	38	35	52	29
MIN	21	20	17	19	19	21	28	34	28	27	27	24

CAL YR 1982 TOTAL 8281 MEAN 22.7 MAX 66 MIN 16
WTR YR 1983 TOTAL 9899 MEAN 27.1 MAX 54 MIN 17

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.
WATER TEMPERATURES.--December 1979 to September 1981.

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 1982 TO SEPTEMBER 1983

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD 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											
17...	1030	22	90	6.2	7.0	2.4	770	12.2	99	K9	28
DEC											
* 08...	1000	17	95	6.5	9.0	--	--	8.0	--	--	--
MAR											
02...	1030	25	125	5.7	7.5	1.1	--	--	--	--	--
* 15...	1100	26	100	6.0	9.0	--	--	10.6	--	--	--
MAY											
11...	0930	36	120	6.8	13.5	1.0	772	8.9	84	34	71
JUN											
* 14...	1100	30	108	6.6	21.0	--	--	10.0	--	--	--
AUG											
16...	1000	32	115	6.0	18.0	<1.0	770	7.9	83	59	74
SEP											
* 13...	1000	26	110	--	19.0	--	--	6.4	--	--	--

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

01305000 CARMANS RIVER AT YAPHANK, NY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

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)
NOV										
17...	30	16	7.2	2.8	8.7	1.1	--	14	14	10
DEC										
08...	30	14	7.6	2.6	9.0	1.1	16	--	11	14
MAR										
02...	30	15	7.5	2.7	7.6	1.0	--	15	14	12
15...	28	15	7.4	2.2	7.8	1.1	13	--	12	14
MAY										
11...	30	15	7.6	2.7	9.5	1.0	--	15	15	13
JUN										
14...	27	13	6.9	2.4	12	1.4	14	--	13	13
AUG										
16...	29	16	7.3	2.6	8.2	.90	--	13	17	13
SEP										
13...	32	--	8.2	2.7	9.0	1.1	--	--	12	14

DATE	FLUORIDE, DISSOLVED (MG/L AS F)	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)
NOV										
17...	<.10	12	84	65	--	--	--	--	--	.20
DEC										
08...	<.50	--	--	--	.800	.006	.806	.100	--	--
MAR										
02...	<.10	11	--	65	--	--	--	--	--	.20
15...	--	--	--	--	1.10	.006	1.11	.050	.35	.40
MAY										
11...	<.10	10	70	68	--	--	--	--	--	.20
JUN										
14...	--	--	--	--	.760	.009	.769	<.050	--	.20
AUG										
16...	<.10	10	89	67	--	--	--	--	--	.40
SEP										
13...	--	--	--	--	.790	.004	.794	<.050	--	.50

01305000 CARMANS RIVER AT YAPHANK, NY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	ARSENIC DISSOLVED (UG/L AS AS)	BARIUM, DISSOLVED (UG/L AS BA)	CADMIUM DISSOLVED (UG/L AS CD)	CHROMIUM, DISSOLVED (UG/L AS CR)	COBALT, DISSOLVED (UG/L AS CO)	COPPER, DISSOLVED (UG/L AS CU)
NOV										
17...	--	.030	.050	.030	2	25	<1	<1	<3	<1
DEC										
08...	--	--	.003	.002	--	--	--	--	--	--
MAR										
02...	--	.010	.010	<.010	1	19	<1	<1	<3	2
15...	1.5	--	.011	.004	--	--	--	--	--	--
MAY										
11...	--	.020	.010	<.010	1	35	1	<1	<3	1
JUN										
14...	.97	--	.015	.004	--	--	--	--	--	--
AUG										
16...	--	.050	.030	<.010	1	37	<1	<1	<3	3
SEP										
13...	1.3	--	.014	.003	--	--	--	--	--	--

DATE	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DISSOLVED (UG/L AS FE)	LEAD, DISSOLVED (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MANGANESE, DISSOLVED (UG/L AS MN)	MERCURY DISSOLVED (UG/L AS HG)	NICKEL, DISSOLVED (UG/L AS NI)	SILVER, DISSOLVED (UG/L AS AG)	ZINC, DISSOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
NOV										
17...	--	100	1	--	54	.5	<1	<1	14	--
DEC										
08...	400	200	--	90	80	--	--	--	--	<.02
MAR										
02...	--	150	5	--	83	.3	5	<1	13	--
15...	300	300	--	120	120	--	--	--	--	<.02
MAY										
11...	--	240	1	--	74	.1	5	1	10	--
JUN										
14...	400	250	--	100	85	--	--	--	--	.02
AUG										
16...	--	170	3	--	49	<.1	1	<1	13	--
SEP										
13...	200	200	--	80	--	--	--	--	--	<.10

01305000 CARMANS RIVER AT YAPHANK, NY--Continued

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)
NOV				
17...	1030	22	3	.18
MAR				
02...	1030	25	2	.14
MAY				
11...	0930	36	2	.19
AUG				
16...	1000	32	3	.26

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 downstream from Montauk Highway in East Patchogue, 200 ft downstream from outlet of Swan Lake, and 1.2 mi upstream from mouth. Water-quality sampling site at discharge station.

DRAINAGE AREA.--About 8.8 mi^2.

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1622: Drainage area. WDR NY-81-2: 1952-77 (M), 1978, 1979-80 (M).

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

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

AVERAGE DISCHARGE.--37 years, 12.6 ft^3/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 52 ft^3/s June 5, 1982, gage height, 2.18 ft; minimum, 0.06 ft^3/s Sept. 2, 1964, gage height, 0.02 ft (result of regulation), minimum daily, 4.3 ft^3/s Oct. 13, 14, 1967.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 45 ft^3/s Apr. 16, gage height, 1.76 ft; minimum, 0.40 ft^3/s July 15, gage height, 0.12 ft (result of regulation).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.4	10	13	10	10	13	14	20	19	18	13	13
2	9.4	9.8	12	10	10	13	14	20	18	17	13	13
3	9.4	10	11	9.9	12	12	21	20	18	17	13	13
4	9.4	10	11	9.8	9.4	11	16	22	23	17	13	12
5	9.4	15	11	10	9.0	11	14	20	19	19	13	12
6	9.4	12	11	11	9.4	11	14	20	18	21	12	12
7	9.4	11	10	10	11	16	15	20	18	17	12	12
8	10	11	10	10	10	19	17	20	18	17	12	12
9	11	10	10	9.8	9.8	18	19	20	18	16	13	12
10	10	10	9.8	11	9.8	15	27	20	18	16	13	12
11	9.8	11	10	15	10	16	22	20	18	16	17	12
12	10	11	11	11	11	16	16	20	17	16	26	12
13	11	19	10	10	9.8	12	15	20	18	15	15	13
14	12	13	10	10	9.8	12	16	20	19	15	13	12
15	11	13	10	15	9.8	12	16	20	18	15	13	12
16	11	12	14	12	9.8	12	27	26	18	15	13	12
17	11	12	12	11	14	12	27	22	20	15	13	13
18	10	12	11	11	13	14	22	19	20	15	13	12
19	10	11	11	10	11	19	26	19	19	16	13	12
20	11	12	11	10	11	14	22	20	20	16	13	11
21	11	12	10	9.9	10	16	20	20	21	15	13	12
22	11	11	10	10	10	15	20	20	21	16	13	15
23	11	11	10	13	13	13	20	21	19	14	13	12
24	10	11	11	12	11	13	27	19	19	17	13	12
25	14	11	10	10	11	13	24	19	20	13	12	12
26	16	11	10	10	11	13	21	19	19	13	12	12
27	12	11	9.9	10	10	14	20	26	19	13	12	12
28	11	11	10	10	11	18	20	20	26	13	12	12
29	11	18	11	10	---	14	20	19	22	13	14	12
30	10	12	10	11	---	14	20	19	19	13	13	13
31	10	---	10	11	---	14	---	20	---	13	13	---
TOTAL	330.6	353.8	330.7	333.4	296.6	435	592	630	579	482	416	368
MEAN	10.7	11.8	10.7	10.8	10.6	14.0	19.7	20.3	19.3	15.5	13.4	12.3
MAX	16	19	14	15	14	19	27	26	26	21	26	15
MIN	9.4	9.8	9.8	9.8	9.0	11	14	19	17	13	12	11

CAL YR 1982 TOTAL 4626.9 MEAN 12.7 MAX 33 MIN 9.0
WTR YR 1983 TOTAL 5147.1 MEAN 14.1 MAX 27 MIN 9.0

01305500 SWAN RIVER AT EAST PATCHOGUE, NY--Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	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)
DEC 08...	1100	10	92	6.2	9.0	9.5	7.0	1.8	9.0	1.5
MAR 15...	1200	12	98	6.0	9.0	11.2	8.2	1.8	9.0	1.6
JUN 14...	1200	19	105	6.4	17.0	10.0	6.6	2.0	9.4	1.4
SEP 13...	1100	13	100	--	18.0	8.0	7.0	2.0	8.4	1.5

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)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)
DEC 08...	15	8.4	12	<.50	1.10	1.20	.017	.017	.300	.400
MAR 15...	13	9.6	13	--	1.70	1.70	.010	.011	.100	.110
JUN 14...	14	9.6	12	--	1.60	1.60	.018	.021	.050	<.050
SEP 13...	--	9.8	13	--	1.40	1.40	.013	.013	.110	.110

DATE	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, TOTAL (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)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
DEC 08...	--	--	.017	.007	.008	300	150	100	100	<.02
MAR 15...	.10	.10	.017	.006	.006	200	200	180	180	<.02
JUN 14...	.20	.30	.031	.012	.009	400	300	160	160	.03
SEP 13...	.20	.30	.023	.006	.005	200	100	160	--	<.10

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 upstream from mouth.

DRAINAGE AREA. --About 13.5 square miles.

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 1982 TO SEPTEMBER 1983

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	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)
DEC 08...	1300	128	6.6	11.0	9.8	12	3.0	14	3.3	27
MAR 15...	1300	135	6.7	8.0	13.2	10	2.5	14	3.2	25
JUN 14...	1300	165	7.1	25.0	9.8	9.0	3.0	15	3.9	27
SEP 13...	1300	160	--	22.0	5.4	12	3.3	16	3.5	--

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)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)
DEC 08...	10	20	<.50	1.80	1.80	.049	.049	.700	.600	--
MAR 15...	12	21	--	1.80	1.85	.017	.018	.620	.610	.60
JUN 14...	10	20	--	2.10	2.10	.110	.100	.640	.650	.70
SEP 13...	12	24	--	2.10	2.10	.012	.013	.150	.150	.20

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, TOTAL (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)	MANGANESE, DISSOLVED (UG/L AS MN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
DEC 08...	--	.022	.006	.008	700	500	280	270	<.02
MAR 15...	.70	.024	.007	.006	800	600	360	350	<.02
JUN 14...	.70	.021	.004	.004	600	400	300	260	.02
SEP 13...	.30	.028	.009	.009	600	500	280	--	<.10

01306440 CONNETQUOT BROOK AT CENTRAL ISLIP, NY

LOCATION.--Lat 40°47'33", long 73°09'58", Suffolk County Hydrologic Unit 02030202, 200 ft downstream from culvert on Veterans Memorial Highway, 2.0 mi northeast of Central Islip, and 3.8 mi upstream from gaging station 01306499.

DRAINAGE AREA.--About 12 mi^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 National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 29 ft^3/s Apr. 16, gage height, 1.27 ft; minimum, 1.7 ft^3/s Jan. 8-10, gage height, 0.26 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.5	2.1	2.6	2.0	2.3	3.3	6.3	14	13	8.7	6.9	6.6
2	2.5	2.1	2.6	1.9	2.3	3.8	6.1	14	12	8.8	7.2	6.2
3	2.5	2.1	2.5	1.8	4.2	3.4	8.6	13	12	8.5	6.8	6.0
4	2.5	2.3	2.3	1.8	3.5	3.3	7.9	13	15	8.2	6.7	5.8
5	2.5	2.6	2.3	1.8	3.4	3.4	7.3	13	13	9.0	6.5	5.8
6	2.5	2.3	2.3	2.2	3.3	3.3	7.0	13	12	10	6.5	5.5
7	2.5	2.1	2.2	1.9	3.5	4.2	6.8	12	12	8.8	6.4	5.2
8	2.5	2.1	2.1	1.8	3.4	5.2	7.2	14	12	8.3	6.2	5.1
9	2.5	2.1	2.1	1.7	3.2	6.0	7.8	13	11	8.1	6.0	5.0
10	2.3	2.1	2.0	1.8	3.2	5.9	16	13	11	8.0	5.9	4.9
11	2.3	2.0	2.1	3.0	3.0	6.1	19	13	11	7.8	8.2	4.9
12	2.3	2.0	2.1	2.3	3.3	7.6	14	12	11	7.6	14	4.8
13	2.5	3.8	2.0	2.1	3.0	6.5	12	12	11	7.6	9.5	5.1
14	2.5	3.0	2.0	2.0	3.0	6.1	12	12	10	7.4	8.3	4.9
15	2.5	2.9	2.0	2.5	3.0	6.0	11	12	10	7.2	7.8	4.8
16	2.3	2.7	3.2	2.5	3.0	5.6	17	15	10	7.2	7.4	4.8
17	2.3	2.5	2.8	2.2	3.2	5.3	21	14	9.9	6.9	7.2	5.0
18	2.1	2.5	2.6	2.1	3.5	6.5	16	13	9.9	6.9	7.0	4.9
19	2.1	2.3	2.5	2.0	3.4	8.4	18	13	9.8	7.3	6.9	4.8
20	2.1	2.3	2.5	2.0	3.3	7.0	16	13	9.7	7.7	6.7	4.7
21	2.3	2.3	2.4	1.9	3.2	7.2	15	13	9.6	7.3	6.5	4.7
22	2.1	2.1	2.3	2.0	3.2	6.9	14	13	9.4	7.0	6.5	5.8
23	2.1	2.1	2.3	2.6	3.5	6.5	14	13	9.1	6.8	6.4	5.0
24	2.1	2.1	2.3	2.8	3.5	6.3	19	12	9.0	7.5	6.1	4.8
25	2.5	2.1	2.3	2.5	3.3	6.1	18	12	8.9	7.3	5.9	4.7
26	3.0	2.1	2.2	2.4	3.3	5.9	16	12	8.7	7.0	5.8	4.7
27	2.5	2.0	2.1	2.3	3.2	6.3	14	16	8.6	6.9	5.8	4.7
28	2.5	2.1	2.1	2.3	3.0	8.4	13	14	9.3	6.9	6.5	4.6
29	2.3	3.6	2.1	2.3	---	7.0	13	13	10	6.9	8.0	4.5
30	2.3	2.7	2.0	2.4	---	6.5	15	13	8.9	6.8	6.8	5.0
31	2.3	---	2.0	2.5	---	6.4	---	13	---	7.0	6.6	---
TOTAL	73.8	71.1	70.9	67.4	90.2	180.4	388.0	405	316.8	237.4	219.0	153.3
MEAN	2.38	2.37	2.29	2.17	3.22	5.82	12.9	13.1	10.6	7.66	7.06	5.11
MAX	3.0	3.8	3.2	3.0	4.2	8.4	21	16	15	10	14	6.6
MIN	2.1	2.0	2.0	1.7	2.3	3.3	6.1	12	8.6	6.8	5.8	4.5

CAL YR 1982 TOTAL 1448.7 MEAN 3.97 MAX 16 MIN 2.0
WTR YR 1983 TOTAL 2273.3 MEAN 6.23 MAX 21 MIN 1.7

01306460 CONNETQUOT BROOK NEAR CENTRAL ISLIP, NY

LOCATION.--Lat 40°46'19", long 73°09'33", Suffolk County Hydrologic Unit 02030202, 200 ft upstream from bridge on dirt road in Connetquot River State Park Preserve, and 1.8 mi upstream from gaging station 01306499.

DRAINAGE AREA.--About 18 mi^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 National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--5 years, 29.0 ft^3/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 146 ft^3/s Aug. 12, 1978, gage height, 2.78 ft from flood marks; minimum, 13 ft^3/s Aug. 18-22, 1981, gage height, 1.88 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 112 ft^3/s Apr. 10, gage height, 2.60 ft; minimum recorded, 17 ft^3/s Oct. 2, gage height, 1.98 ft, but may have been less during period of no gage-height record Oct. 3-26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	18	22	19	20	26	32	48	41	34	26	26
2	17	18	22	19	20	28	31	48	40	32	27	24
3	17	18	21	19	27	26	40	48	40	29	26	24
4	17	18	21	19	22	26	36	46	46	29	26	23
5	17	19	21	19	21	24	34	46	41	31	24	23
6	17	18	21	21	21	23	34	46	40	32	24	23
7	17	18	21	20	22	27	32	43	40	29	24	22
8	17	18	20	19	22	29	34	43	38	29	23	22
9	17	18	20	19	21	34	38	43	36	28	23	22
10	17	18	19	19	21	32	64	43	36	28	23	21
11	17	18	19	28	21	32	70	41	36	27	31	21
12	17	18	21	22	22	36	51	41	36	28	48	21
13	17	26	20	21	22	34	46	41	36	27	36	22
14	17	21	20	21	22	31	46	41	35	27	34	22
15	17	21	20	24	21	31	44	40	35	27	32	21
16	17	20	26	24	21	29	60	48	34	27	31	21
17	17	19	23	22	22	28	72	51	34	26	29	21
18	17	19	22	21	24	32	56	43	34	26	29	21
19	17	19	22	21	24	41	58	43	35	30	28	20
20	17	19	22	21	24	35	56	43	34	35	27	20
21	18	19	21	21	24	35	53	43	34	28	27	21
22	17	19	21	21	24	34	51	41	32	28	26	24
23	17	19	21	22	26	32	49	43	31	26	26	21
24	17	19	21	23	27	31	64	41	31	34	26	21
25	18	18	21	21	27	31	60	40	31	31	24	20
26	20	18	20	20	26	29	54	38	29	28	24	20
27	18	18	20	20	26	31	51	49	29	27	24	20
28	18	18	20	20	24	38	48	46	35	27	24	20
29	18	27	20	20	---	34	46	43	38	27	28	20
30	18	22	19	20	---	32	48	43	34	27	26	22
31	18	---	19	21	---	32	---	41	---	26	27	---
TOTAL	537	578	646	647	644	963	1458	1354	1071	890	853	649
MEAN	17.3	19.3	20.8	20.9	23.0	31.1	48.6	43.7	35.7	28.7	27.5	21.6
MAX	20	27	26	28	27	41	72	51	46	35	48	26
MIN	17	18	19	19	20	23	31	38	29	26	23	20

CAL YR 1982 TOTAL 9845 MEAN 27.0 MAX 68 MIN 17
WTR YR 1983 TOTAL 10290 MEAN 28.2 MAX 72 MIN 17

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 west of Oakdale. Water-quality sampling site at base gage.

DRAINAGE AREA.--About 24 mi^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 National Geodetic Vertical Datum of 1929.
Supplementary gage (01306495): Water-stage recorder with concrete control on left bank of secondary channel 0.25 mi northeast of base gage at datum of 4.74 ft National Geodetic Vertical Datum of 1929. Prior to Aug. 10, 1965, at datum 1.0 ft higher.

REMARKS.--Records fair except for periods of no gage-height record at supplementary gage, Dec. 16 to Jan. 25, Jan. 28 to Mar. 2, which are poor. 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.--40 years, 38.5 ft^3/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 263 ft^3/s Oct. 16, 1955; minimum daily, 9.3 ft^3/s Nov. 25, 27, 1982 (result of regulation).

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 117 ft^3/s Apr. 11; minimum daily, 9.3 ft^3/s Nov. 25, 27 (result of regulation).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	18	20	22	26	37	45	61	57	53	33	33
2	31	21	22	22	25	44	49	61	55	53	31	31
3	31	23	18	22	35	38	62	62	53	51	33	30
4	32	25	20	22	30	37	57	65	63	50	31	29
5	28	25	17	23	25	35	50	60	58	54	31	28
6	28	16	24	24	25	34	48	57	54	56	32	29
7	30	15	18	25	30	41	47	62	53	52	32	29
8	29	14	15	23	30	52	50	59	51	50	33	27
9	33	13	15	22	27	62	54	55	49	49	31	27
10	33	14	17	25	25	58	88	53	49	49	32	25
11	32	15	19	32	28	57	117	52	49	49	36	26
12	31	19	21	35	35	65	77	51	49	50	66	26
13	32	29	24	24	30	56	67	53	49	49	50	28
14	32	22	21	24	25	54	63	53	49	48	45	27
15	31	22	16	27	27	50	64	53	49	49	41	27
16	28	17	24	30	27	48	81	62	49	48	40	27
17	26	15	22	26	29	46	108	66	49	47	37	27
18	24	14	25	24	30	51	80	57	49	45	37	27
19	23	16	31	24	35	71	88	53	49	47	36	26
20	24	18	32	24	35	60	84	55	49	42	35	24
21	26	16	25	24	33	58	68	54	49	41	33	27
22	24	15	24	24	30	57	65	54	47	38	33	31
23	24	17	24	25	35	46	64	58	48	38	31	27
24	24	18	24	27	39	44	87	57	48	44	30	24
25	28	9.3	24	23	40	45	95	55	51	45	29	23
26	35	9.4	23	20	43	48	77	55	50	41	29	24
27	31	9.3	23	19	39	47	67	70	52	39	29	24
28	26	11	23	21	35	62	64	64	57	38	29	23
29	29	25	23	25	---	52	61	61	60	37	34	25
30	28	19	22	25	---	45	61	60	54	34	32	28
31	18	---	22	25	---	43	---	58	---	32	32	---
TOTAL	880	520.0	678	758	873	1543	2088	1796	1548	1418	1083	809
MEAN	28.4	17.3	21.9	24.5	31.2	49.8	69.6	57.9	51.6	45.7	34.9	27.0
MAX	35	29	32	35	43	71	117	70	63	56	66	33
MIN	18	9.3	15	19	25	34	45	51	47	32	29	23

CAL YR 1982 TOTAL 12568.0 MEAN 34.4 MAX 109 MIN 9.3
WTR YR 1983 TOTAL 13994.0 MEAN 38.3 MAX 117 MIN 9.3

01306500 CONNETQUOT RIVER NEAR OAKDALE, NY--Continued

WATER-QUALITY RECORDS

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

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

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 1982 TO SEPTEMBER 1983

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	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)
DEC 09...	1400	6.1	85	6.5	7.0	9.1	5.7	2.5	7.8	1.1
MAR 16...	1500	33	92	5.9	10.0	11.6	6.4	2.2	7.2	1.3
JUN 15...	1400	33	105	6.7	19.0	11.3	6.4	2.4	8.6	1.1
SEP 14...	1400	18	95	--	15.0	7.8	8.8	2.6	8.0	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)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)
DEC 09...	18	6.2	11	<.50	1.20	1.20	.011	.010	.100	.100
MAR 16...	14	7.8	11	--	1.50	1.50	.008	.008	.100	.100
JUN 15...	16	7.6	12	--	1.40	1.40	.018	.017	.060	<.050
SEP 14...	--	7.7	13	--	1.45	1.50	.012	.012	.080	.080

DATE	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, TOTAL (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)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
DEC 09...	--	--	.010	.012	.012	200	200	80	80	<.02
MAR 16...	.30	.50	.023	.008	.009	200	200	120	120	<.02
JUN 15...	.20	.20	.034	.011	.009	400	400	140	140	.02
SEP 14...	--	.10	.023	.006	.004	200	150	50	--	<.10

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 downstream from Moffit Boulevard, at Islip, and 1.8 mi upstream from mouth.

DRAINAGE AREA.--About 6.5 square miles.

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 1982 TO SEPTEMBER 1983

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	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)
DEC 09...	1300	150	6.2	9.0	5.6	11	2.5	17	2.5	19
MAR 16...	1400	--	5.6	10.0	8.9	12	2.5	17	2.8	17
JUN 15...	1300	250	6.0	15.0	10.8	12	3.0	26	3.5	22
SEP 14...	1300	170	--	13.0	7.0	10	2.8	19	2.3	--

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)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)
DEC 09...	16	26	<.50	2.10	2.10	.030	.028	.700	.700	.40
MAR 16...	20	28	--	2.70	2.80	.015	.015	.690	.690	.80
JUN 15...	19	41	--	3.20	3.20	.056	.058	1.10	1.10	1.1
SEP 14...	16	31	--	3.00	3.00	.025	.026	.540	.540	.30

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, TOTAL (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)	MANGANESE, DISSOLVED (UG/L AS MN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
DEC 09...	.40	.015	.009	.007	400	400	800	800	<.02
MAR 16...	.60	.018	.009	.007	400	300	720	740	.03
JUN 15...	1.0	.020	.005	.004	400	300	770	760	<.02
SEP 14...	.50	.011	.004	.002	500	100	1100	--	<.10

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 upstream from mouth.

DRAINAGE AREA. --About 5 square miles.

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 1982 TO SEPTEMBER 1983

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	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)
DEC 09...	1200	220	--	10.0	7.8	16	3.4	30	3.5	21
MAR 16...	1300	225	6.0	11.0	9.8	16	3.5	27	3.4	25
JUN 15...	1200	280	6.1	15.0	7.8	14	3.2	30	3.3	23
SEP 14...	1100	250	--	14.0	5.5	15	3.5	30	3.4	--

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)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)
DEC 09...	22	45	<.50	3.50	3.50	.031	.028	.800	.800	.60
MAR 16...	24	46	--	3.80	3.80	.021	.023	.830	.840	.90
JUN 15...	24	47	--	4.20	4.20	.061	.062	.550	.600	.80
SEP 14...	23	47	--	3.90	3.90	.047	.049	.045	.046	--

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, TOTAL (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)	MANGANESE, DISSOLVED (UG/L AS MN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
DEC 09...	.60	.010	.005	.004	400	300	960	950	<.02
MAR 16...	.80	.028	.005	.005	600	300	1000	970	.03
JUN 15...	.70	.018	.003	.003	400	300	1000	1000	.05
SEP 14...	--	.022	.004	.003	200	250	480	--	<.10

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 downstream from Long Island Railroad, and 0.6 mi upstream from mouth. Water-quality sampling site at discharge station.
DRAINAGE AREA --About 23 mi².

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). WDR NY 1974 1970(P).
GAGE.--Water-stage recorder and concrete control. Datum of gage is 6.36 ft National Geodetic Vertical Datum of 1929. October 1944 to December 1966, water-stage recorder at site 100 ft east at datum 0.34 ft higher.
REMARKS.--Records good except those for August 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 northwest of gage. Prior to November 1950, slight diurnal fluctuation caused by power operations.
AVERAGE DISCHARGE.--39 years, 9.64 ft³/s.
EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 136 ft³/s Sept. 12, 1960, gage height, 2.11 ft datum then in use, maximum gage height, 3.28 ft Feb. 7, 1971 minimum discharge, 1.6 ft³/s June 28, 1963, gage height, 0.13 ft datum then in use.
EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 55 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Mar. 28	0015	56	1.09	Apr. 24	1030	81	1.40
Apr. 3	1030	62	1.16	July 24	0645	57	1.11
Apr. 10	1545	115	1.83	Aug. 11	2015	91	1.66
Apr. 16	1830	*119	1.88				

Minimum discharge, 2.6 ft³/s Oct. 30, Nov. 3, gage height, 0.19 ft.

REVISIONS.--The peak discharges and annual maximum (*) for water year 1982 have been revised, as shown in the following table. These figures supercede those published in the report for 1982.

Date	Discharge (ft³/s)	Gage height (ft)	Date	Discharge (ft³/s)	Gage height (ft)
Oct. 26, 1982	59	1.13	Apr. 3, 1982	*107	1.73
Jan. 4, 1982	76	1.34	June 2, 1982	100	1.64
Feb. 3, 1982	62	1.16	June 5, 1982	94	1.56

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.7	3.8	7.6	6.1	6.4	11	13	20	14	9.2	6.8	7.2
2	4.7	3.5	6.4	6.1	6.8	11	12	20	13	9.2	7.6	6.8
3	4.7	3.8	6.1	5.7	13	9.7	24	20	13	8.8	6.8	6.4
4	4.4	4.4	6.1	5.7	7.2	9.7	17	22	19	8.4	6.8	6.4
5	4.4	5.4	6.1	6.1	6.8	11	14	20	14	11	6.8	5.4
6	4.4	3.8	6.8	8.0	6.8	9.7	13	19	13	11	8.8	5.0
7	4.1	3.8	5.7	6.1	8.8	14	13	18	12	8.8	6.8	4.7
8	3.8	3.8	5.7	5.7	7.2	17	17	18	12	8.0	7.2	4.7
9	5.0	3.8	5.7	5.7	7.2	12	18	18	11	8.0	7.2	5.0
10	4.1	3.8	5.7	7.2	6.8	15	50	17	11	7.6	6.8	5.0
11	4.1	3.8	6.1	11	7.2	15	32	17	11	7.2	18	4.4
12	4.1	4.1	6.1	6.4	7.2	18	21	16	11	7.2	24	4.7
13	4.1	11	5.4	6.1	6.8	13	19	15	11	7.2	12	4.7
14	4.1	5.0	5.7	6.1	7.2	12	19	15	11	7.2	8.4	4.4
15	4.1	5.7	6.1	11	7.2	13	19	15	11	6.8	7.2	4.4
16	4.1	5.0	12	7.6	7.2	13	46	25	11	6.8	7.6	4.4
17	4.4	5.4	6.8	6.8	9.7	13	36	19	11	6.4	7.6	4.4
18	3.8	5.7	6.4	6.4	10	19	24	15	11	6.4	7.2	4.4
19	3.5	5.7	6.4	6.1	8.8	21	31	15	11	6.8	7.2	4.1
20	3.8	5.7	6.4	6.1	8.4	15	26	15	11	6.8	6.8	4.4
21	4.4	6.1	6.1	6.1	8.8	17	23	15	10	7.6	5.7	6.4
22	3.5	6.1	5.7	6.1	8.8	15	22	15	10	7.2	5.4	11
23	3.5	6.1	5.7	11	10	14	21	18	9.7	6.4	5.4	6.1
24	3.5	5.7	6.4	7.6	8.8	14	42	14	9.7	15	5.4	5.7
25	5.7	5.4	6.1	6.8	8.8	14	29	14	9.2	9.2	5.7	5.4
26	5.7	5.7	6.1	6.4	8.4	12	24	13	9.2	8.0	5.7	5.7
27	3.8	5.4	5.7	6.4	8.4	15	22	22	9.2	6.8	5.4	6.1
28	3.8	6.4	6.4	6.8	8.8	22	22	17	14	6.8	5.7	5.7
29	3.8	12	6.4	6.8	---	15	21	16	11	6.8	7.6	5.7
30	3.5	5.7	5.7	7.6	---	14	21	15	10	6.8	6.1	13
31	3.5	---	5.7	7.2	---	14	---	14	---	6.4	11	---
TOTAL	129.1	161.6	195.3	214.8	227.5	438.1	711	532	344.0	245.8	246.7	171.7
MEAN	4.16	5.39	6.30	6.93	8.13	14.1	23.7	17.2	11.5	7.93	7.96	5.72
MAX	5.7	12	12	11	13	22	50	25	19	15	24	13
MIN	3.5	3.5	5.4	5.7	6.4	9.7	12	13	9.2	6.4	5.4	4.1

CAL YR 1982 TOTAL 3336.2 MEAN 9.14 MAX 39 MIN 3.5
WTR YR 1983 TOTAL 3617.6 MEAN 9.91 MAX 50 MIN 3.5

01308000 SAMPAWAMS CREEK AT BABYLON, NY--Continued

WATER-QUALITY RECORDS

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	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)
DEC 09...	1100	5.7	190	5.8	10.0	5.0	14	3.0	23	4.0
MAR 17...	1400	13	230	5.9	9.0	7.2	14	3.0	24	4.1
JUN 15...	1100	11	220	6.2	19.0	7.6	14	2.9	22	3.6
SEP 14...	1000	4.1	--	--	16.0	3.1	14	3.0	22	3.8

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)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)
DEC 09...	38	26	32	<.50	2.50	2.35	.030	.031	2.40	2.40
MAR 17...	34	28	33	<.50	2.65	2.70	.016	.017	2.80	2.80
JUN 15...	29	26	28	--	2.60	2.70	.066	.069	1.80	1.80
SEP 14...	--	27	31	--	3.40	3.40	.100	.090	.790	.790

DATE	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, TOTAL (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)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
DEC 09...	2.4	2.3	.010	.006	.005	600	500	1600	1600	<.02
MAR 17...	2.9	2.6	.038	.006	.004	1000	800	2100	2100	.09
JUN 15...	1.7	1.4	.028	.006	.005	1200	1000	1300	1300	.08
SEP 14...	1.7	.70	.014	.004	.003	500	400	780	--	<.10

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 downstream from outlet of Southards Pond in Babylon, and 0.9 mi upstream from mouth. Water-quality sampling site at discharge station.

DRAINAGE AREA.--About 35 mi^2.

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1141: Drainage area. WDR 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 National Geodetic Vertical Datum of 1929.

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

AVERAGE DISCHARGE.--39 years, 26.6 ft^3/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 243 ft^3/s Jan. 21, 1979, gage height, 2.26 ft; minimum, 0.05 ft^3/s Sept. 4, 1963, July 6, 1966, Aug. 29, 1972 (result of regulation); minimum gage height, 0.03 ft July 6, 1966, Aug. 29, 1972 (result of regulation), minimum daily, 4.5 ft^3/s July 6, 1966.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 214 ft^3/s Apr. 10, gage height, 2.10 ft; minimum, 11 ft^3/s Oct. 17-20, gage height, 0.48 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	13	19	14	20	24	33	48	33	23	16	24
2	13	12	24	14	18	33	31	47	31	22	17	18
3	12	12	18	14	38	25	63	46	31	21	15	18
4	12	13	17	13	26	23	49	51	51	20	14	17
5	12	18	16	13	21	26	35	46	37	25	14	16
6	12	14	18	20	21	24	36	43	33	40	17	15
7	12	13	16	16	25	38	34	42	32	25	20	13
8	12	13	15	14	23	43	39	40	33	22	16	13
9	19	13	15	13	21	51	51	41	29	21	15	14
10	15	12	14	15	20	45	105	39	25	21	14	14
11	13	12	14	33	19	45	124	39	27	21	21	13
12	13	12	15	20	21	62	65	39	27	20	69	14
13	13	31	14	17	19	42	55	37	27	18	33	17
14	13	22	14	16	19	36	50	36	26	17	24	14
15	12	19	14	26	20	34	47	36	25	16	21	14
16	12	16	28	26	20	32	97	53	24	16	20	13
17	12	15	25	20	24	31	127	54	24	16	19	14
18	11	15	19	18	29	41	71	40	24	16	18	13
19	12	14	17	16	26	77	84	33	24	17	18	13
20	12	14	17	15	24	47	79	37	26	18	17	12
21	13	14	16	15	24	49	64	37	25	17	16	13
22	12	14	15	16	23	46	60	39	23	19	15	32
23	12	14	15	24	26	38	53	45	23	16	15	18
24	13	14	16	33	25	35	103	39	22	33	14	16
25	17	13	15	23	23	34	91	33	21	23	14	14
26	23	13	15	21	22	32	67	32	20	19	14	14
27	16	13	14	19	22	33	59	49	21	17	14	14
28	14	13	14	19	22	66	55	38	29	16	14	14
29	13	33	16	19	---	41	52	35	31	16	19	13
30	13	21	15	19	---	35	49	34	24	15	16	29
31	13	---	14	23	---	34	---	34	---	16	24	---
TOTAL	414	465	514	584	641	1222	1928	1262	828	622	593	476
MEAN	13.4	15.5	16.6	18.8	22.9	39.4	64.3	40.7	27.6	20.1	19.1	15.9
MAX	23	33	28	33	38	77	127	54	51	40	69	32
MIN	11	12	14	13	18	23	31	32	20	15	14	12

CAL YR 1982 TOTAL 8956 MEAN 24.5 MAX 98 MIN 11
WTR YR 1983 TOTAL 9549 MEAN 26.2 MAX 127 MIN 11

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 1982 TO SEPTEMBER 1983

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	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)
DEC 09...	1000	15	170	5.4	7.0	8.6	12	2.5	20	3.6
MAR 17...	1300	31	100	6.1	7.0	9.2	12	3.0	24	3.7
JUN 15...	1000	26	230	6.6	24.0	7.1	13	2.7	23	3.6
SEP 14...	0900	15	195	--	18.0	6.4	14	3.0	22	3.6

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)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)
DEC 09...	24	23	28	<.50	1.80	1.80	.031	.029	1.70	1.70
MAR 17...	26	26	32	<.50	2.60	2.60	.015	.015	1.70	1.70
JUN 15...	24	27	30	--	2.80	2.80	.060	.059	.970	.940
SEP 14...	--	27	31	--	2.40	2.40	.019	.019	.280	.280

DATE	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, TOTAL (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)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
DEC 09...	1.7	1.6	.019	.006	.005	500	400	920	900	<.02
MAR 17...	3.2	2.9	.022	.003	.002	400	300	1100	1100	.04
JUN 15...	1.1	1.0	.020	.003	.002	600	400	1200	1100	.06
SEP 14...	.30	.20	.012	.003	.002	400	300	480	--	<.10

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 east of Long Island Railroad station in Lindenhurst, and 1.5 mi upstream from mouth.

DRAINAGE AREA.--About 7 square miles.

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 1982 TO SEPTEMBER 1983

DATE	TIME	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	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)
DEC 09...	0900	230	5.7	10.0	7.4	17	3.0	30	5.6	34
MAR 17...	1100	340	6.4	9.0	8.0	24	6.0	40	9.0	65
JUN 15...	0900	340	6.7	17.0	8.0	20	4.2	36	7.5	50
SEP 14...	0800	280	--	14.0	4.0	20	4.0	28	5.5	--

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)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)
DEC 09...	40	38	<.50	4.60	4.60	.014	.015	4.10	4.10	4.1
MAR 17...	41	62	<.50	1.70	1.70	.014	.016	4.10	4.10	4.6
JUN 15...	30	50	--	3.80	3.80	.075	.088	2.60	2.60	2.5
SEP 14...	36	38	--	1.30	1.30	.029	.031	2.90	2.90	3.7

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, TOTAL (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)	MANGANESE, DISSOLVED (UG/L AS MN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
DEC 09...	4.1	.006	.002	.002	500	300	1700	1600	<.02
MAR 17...	4.6	.012	<.002	<.002	400	300	1400	1400	.06
JUN 15...	2.4	.012	.002	.002	400	300	1600	1500	.04
SEP 14...	3.0	.017	.008	.004	2000	1200	4500	--	<.10

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 upstream from Clark Boulevard Bridge in Massapequa, and 350 ft west of Lake Shore Drive at Garfield Street in Massapequa Park. Water-quality sampling site at discharge station.

DRAINAGE AREA.--About 38 mi^2.

WATER-DISCHARGE RECORDS

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

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

GAGE.--Water-stage recorder and concrete control. Datum of gage is 18.31 ft 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 higher.

REMARKS.--Records good.

AVERAGE DISCHARGE.--46 years (1937-83), 11.3 ft^3/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 510 ft^3/s July 29, 1980, gage height, 2.40 ft, from rating curve extended above 170 ft^3/s; minimum, 0.95 ft^3/s Aug. 4, 1963, Nov. 2, 1965, Jan. 8, 1977 (result of freezeup); minimum gage height, 0.32 ft Aug. 1, 1954, datum then in use.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 110 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr. 3	1215	134	1.59	Apr. 24	1145	173	1.71
Apr. 10	1645	233	1.87	July 5	1945	131	1.58
Apr. 16	1830	*237	1.88				

Minimum discharge, 2.6 ft^3/s Oct. 11, 12, Sept. 6-12, 19,20; minimum gage height, 0.64 ft Oct. 11, 12, Aug. 23 (result of regulation), Sept. 6-12, 19, 20.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.3	3.0	8.6	3.0	4.0	5.8	8.1	20	12	5.8	4.0	4.4
2	3.3	3.0	6.7	3.0	3.6	7.7	7.7	19	12	5.4	4.4	3.6
3	3.3	3.3	4.9	3.0	14	5.4	37	19	12	4.9	3.6	3.6
4	3.3	3.3	4.4	3.0	5.4	4.9	12	24	25	4.4	3.6	3.3
5	3.3	5.4	4.0	3.0	4.4	7.2	10	18	13	25	3.6	3.3
6	3.3	3.3	4.9	7.2	4.0	5.4	9.5	17	12	11	6.8	3.3
7	3.0	3.3	4.0	4.0	6.3	12	9.0	16	12	6.7	4.9	3.0
8	3.0	3.0	3.6	3.3	4.9	15	14	16	11	6.3	3.6	3.0
9	3.6	3.0	3.6	3.3	4.4	9.5	19	16	10	5.8	4.0	3.0
10	3.3	3.0	3.3	6.2	4.0	16	90	16	10	5.4	3.6	3.0
11	3.0	3.0	3.3	20	4.9	12	29	15	9.5	5.4	18	2.6
12	2.6	3.0	3.6	5.4	5.4	16	18	14	9.0	4.9	25	3.5
13	3.0	14	3.3	4.4	4.0	7.7	16	14	8.6	4.4	7.2	5.2
14	3.3	4.4	3.3	4.0	4.0	7.2	15	14	8.6	4.4	5.8	3.3
15	3.0	5.8	3.3	9.2	4.0	7.2	14	14	8.1	4.4	5.4	3.3
16	3.3	6.3	12	5.8	4.0	6.7	93	34	7.7	4.4	4.9	3.0
17	3.3	6.7	5.4	4.4	6.3	6.3	40	19	7.7	4.0	4.9	3.0
18	3.3	6.3	4.4	4.0	6.7	19	26	16	7.7	4.0	4.9	3.0
19	3.3	6.3	4.0	4.0	5.8	22	38	14	7.7	5.4	4.9	3.0
20	3.3	5.8	4.0	4.0	5.4	10	26	16	8.1	4.9	4.4	3.0
21	3.6	4.9	4.0	4.0	5.4	19	23	16	7.7	9.4	4.0	3.5
22	3.3	4.9	3.6	4.0	4.9	10	21	16	7.2	7.5	4.0	12
23	3.3	5.4	3.6	12	7.2	9.0	20	20	6.7	4.4	4.0	4.0
24	3.0	5.4	4.0	6.3	5.4	8.6	71	14	6.3	15	3.6	3.3
25	5.0	4.9	3.6	4.4	4.9	8.1	32	14	5.8	5.8	3.6	3.3
26	5.8	4.9	3.6	4.0	4.9	7.7	26	13	5.8	4.4	3.6	3.3
27	3.3	4.4	3.3	4.0	4.4	12	24	15	5.4	4.4	3.6	3.3
28	3.0	4.4	3.3	4.0	4.4	27	23	12	12	4.4	4.0	3.0
29	3.0	16	3.6	3.6	---	10	21	11	8.5	4.4	5.8	3.0
30	3.0	6.7	3.3	4.9	---	9.0	20	20	5.8	4.0	4.4	16
31	3.0	---	3.0	5.4	---	8.6	---	14	---	3.6	4.9	---
TOTAL	103.4	157.1	133.5	160.8	147.0	332.0	812.3	516	282.9	194.2	173.0	121.1
MEAN	3.34	5.24	4.31	5.19	5.25	10.7	27.1	16.6	9.43	6.26	5.58	4.04
MAX	5.8	16	12	20	14	27	93	34	25	25	25	16
MIN	2.6	3.0	3.0	3.0	3.6	4.9	7.7	11	5.4	3.6	3.6	2.6

CAL YR 1982 TOTAL 2812.2 MEAN 7.70 MAX 55 MIN 2.6
WTR YR 1983 TOTAL 3133.3 MEAN 8.58 MAX 93 MIN 2.6

01309500 MASSAPEQUA CREEK AT MASSAPEQUA, NY--Continued

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)
NOV										
29...	0800	30	110	5.2	8.5	7.4	22	14	6.7	1.4
FEB										
22...	0840	5.4	360	5.3	5.5	--	67	49	20	4.1
MAY										
18...	1300	16	330	6.0	17.0	9.5	65	--	20	3.6
AUG										
23...	1105	4.0	300	6.2	21.0	4.1	66	46	20	3.8

DATE	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)
NOV										
29...	8.0	1.7	9.0	9.0	9.1	.10	2.9	130	1.08	19.0
FEB										
22...	30	4.2	18	38	41	<.10	9.8	210	4.98	11.0
MAY										
18...	28	4.1	--	--	--	--	--	--	12.0	5.97
AUG										
23...	25	4.0	20	11	63	<.10	8.4	190	5.66	8.95

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)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
NOV									
29...	.020	.400	--	--	.100	.050	870	420	--
FEB									
22...	.020	1.40	.50	6.9	.030	.020	480	1200	.12
MAY									
18...	.040	1.30	.20	14	.450	.020	680	850	--
AUG									
23...	.040	.200	.40	6.3	.020	<.010	290	1300	.07

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 east of intersection of Valentine Place and Mill Road, in Bellmore, 0.5 mi north of Sunrise Highway, and 0.5 mi northwest of Wantagh. Water-quality sampling site at base gage.

DRAINAGE AREA.--About 17 mi^2.

WATER-DISCHARGE RECORDS

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

GAGE.--Base gage (01309950): Water-stage recorder. Concrete control since July 24, 1974. Datum of gage is 15.06 ft 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 east at datum 1.88 ft 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 east of base gage at datum of 16.96 ft National Geodetic Vertical Datum of 1929. Prior to July 28, 1965, at datum 2.00 ft higher. From July 28, 1965 to Oct. 6, 1965, at datum 1.00 ft higher.

REMARKS.--Records good. Prior to Nov. 4, 1955, flow at all stages regulated intermittently at outlet of Wantagh Reservoir, 1.0 mi above station, and prior to November 1953 by Browning Pond, 0.5 mi 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.

AVERAGE DISCHARGE.--46 years (1937-83), 10.3 ft^3/s.

EXTREMES FOR PERIOD OF RECORD (1903 and SINCE 1937).--Maximum daily discharge, 162 ft^3/s Sept. 12, 1960; maximum discharge prior to beginning of diversion in November 1955, 340 ft^3/s June 1, 1952, adjusted to include flow bypassing station; maximum gage height, 2.57 ft June 1, 1952, datum then in use; minimum daily, 0.40 ft^3/s Aug. 31, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 99 ft^3/s Apr. 16; minimum daily, 0.95 ft^3/s Oct. 10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.9	1.9	3.3	1.6	2.1	4.3	5.3	13	7.7	3.8	3.2	2.7
2	3.6	1.7	2.4	1.6	2.3	3.2	5.2	13	7.3	3.7	3.6	2.5
3	2.7	1.9	2.2	1.5	8.0	2.5	21	13	7.3	3.4	3.1	2.4
4	1.3	2.1	2.2	1.4	2.7	2.6	6.8	18	18	3.4	3.2	2.2
5	1.4	3.5	2.1	1.4	2.4	3.4	6.2	12	7.1	14	3.2	2.2
6	1.2	2.4	2.3	3.7	2.4	2.8	5.9	12	6.7	6.8	3.4	2.2
7	1.3	2.3	2.0	2.0	3.7	6.3	5.9	11	7.2	4.3	2.8	2.0
8	1.2	1.9	2.0	1.7	2.4	9.2	12	11	6.4	4.3	2.7	1.9
9	1.1	1.6	2.2	1.9	2.3	5.6	9.9	11	6.2	4.2	2.7	1.9
10	.95	1.5	2.2	3.9	2.5	12	35	10	5.9	3.9	2.6	1.9
11	1.6	1.7	2.2	10	2.5	9.7	15	10	5.8	3.6	18	1.9
12	1.2	1.7	2.2	2.4	2.4	9.9	13	9.9	5.4	3.8	24	3.4
13	1.3	6.8	2.0	2.1	2.2	5.3	12	9.5	5.3	3.5	4.9	2.5
14	1.6	1.9	2.0	2.1	2.4	4.6	12	9.3	4.9	3.5	4.2	2.0
15	1.7	1.9	1.6	4.3	2.5	4.5	12	9.5	4.9	4.3	3.9	2.0
16	2.0	2.4	6.9	2.4	3.2	4.6	99	26	4.6	3.5	3.6	2.1
17	1.7	2.1	2.3	2.2	4.6	4.4	22	12	4.6	3.2	3.5	2.2
18	1.2	2.1	1.9	2.1	3.8	14	16	9.3	4.6	4.7	3.6	2.0
19	1.2	2.1	1.9	2.1	3.3	13	25	9.3	5.2	5.4	3.2	1.9
20	1.2	2.1	1.9	1.9	3.1	5.9	16	10	5.3	4.1	3.2	1.8
21	1.5	2.1	1.8	1.8	3.1	12	14	12	5.3	9.4	2.8	5.3
22	1.2	2.2	1.6	1.8	2.9	6.3	14	11	4.5	6.5	2.8	6.1
23	1.3	2.9	1.7	3.8	4.3	5.3	14	13	4.5	3.9	2.5	2.4
24	1.8	3.2	1.7	2.4	2.9	5.3	53	9.0	4.1	13	2.4	2.3
25	2.6	3.2	1.6	2.2	2.9	5.2	19	8.1	3.8	4.5	2.4	2.3
26	2.0	2.3	1.6	2.1	2.7	4.8	17	8.4	3.8	3.9	2.4	2.3
27	1.5	1.7	1.5	2.0	2.5	9.5	15	13	3.8	3.7	2.4	2.0
28	1.5	1.8	1.7	2.1	2.7	15	15	8.2	8.3	3.6	2.8	2.0
29	1.3	7.5	1.7	2.3	---	6.0	14	8.4	5.6	3.4	3.8	1.9
30	1.4	2.2	1.7	3.4	---	5.4	14	8.8	4.0	3.4	2.5	12
31	1.5	---	1.7	2.6	---	5.4	---	7.4	---	3.2	2.8	---
TOTAL	50.95	74.7	66.1	78.8	84.8	208.0	544.2	346.1	178.1	149.9	132.2	82.3
MEAN	1.64	2.49	2.13	2.54	3.03	6.71	18.1	11.2	5.94	4.84	4.26	2.74
MAX	3.9	7.5	6.9	10	8.0	15	99	26	18	14	24	12
MIN	.95	1.5	1.5	1.4	2.1	2.5	5.2	7.4	3.8	3.2	2.4	1.8

CAL YR 1982 TOTAL 1625.05 MEAN 4.45 MAX 43 MIN .76
WTR YR 1983 TOTAL 1996.15 MEAN 5.47 MAX 99 MIN .95

01310000 BELLMORE CREEK NEAR BELLMORE, NY--Continued

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)
NOV										
29...	0905	4.2	265	6.2	9.0	7.0	48	34	15	2.5
FEB										
22...	0935	2.4	390	6.0	9.0	--	--	--	--	--
MAY										
18...	1210	5.9	355	6.2	15.0	12.2	67	42	21	3.5
AUG										
23...	1200	2.2	335	6.4	25.0	4.2	68	45	21	3.7

DATE	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)
NOV										
29...	23	3.5	14	24	31	<.10	6.9	110	2.96	3.27
FEB										
22...	--	4.3	28	40	51	<.10	--	--	4.97	4.97
MAY										
18...	35	3.9	25	--	--	<.10	7.5	--	20.0	9.54
AUG										
23...	33	4.0	23	37	45	<.10	4.6	180	4.09	4.47

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)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
NOV									
29...	.040	.990	.00	3.7	.040	.020	420	850	.05
FEB									
22...	.030	1.40	.00	6.4	<.010	<.010	310	1000	.10
MAY									
18...	.050	.780	.72	22	<.010	.020	310	450	.15
AUG									
23...	.210	.240	.86	5.4	.020	<.010	220	120	.09

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 upstream from bridge on Hempstead-Babylon Turnpike and 400 ft west of Meadowbrook Parkway, in Freeport. Water-quality sampling site at discharge station.

DRAINAGE AREA.--About 31 mi^2.

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WDR NY 1972: 1967-71 (P). WDR NY 1977: 1973-76 (P).

GAGE.--Water-stage recorder and concrete control. Datum of gage is 10.45 ft 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 east at datum 0.47 ft higher.

REMARKS.--Records good.

AVERAGE DISCHARGE.--46 years (1937-83), 14.6 ft^3/s.

EXTREMES FOR PERIOD OF RECORD (1903 AND SINCE 1937).--Maximum discharge, 848 ft^3/s July 29, 1980, gage height, 3.57 ft maximum gage height, 4.38 ft Sept. 12, 1960 (datum then in use); no flow Aug. 26, 1971.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 250 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr. 10	1645	*398	2.27	Apr. 24	1245	353	2.11
Apr. 16	1815	367	2.16	Aug. 11	2300	281	1.84

Minimum discharge, 1.2 ft^3/s Sept. 10-12, 19-21, gage height, 0.17 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.4	1.9	5.3	2.6	3.5	5.1	6.2	16	16	10	6.2	2.3
2	2.2	1.9	4.9	2.4	3.3	5.3	5.9	17	14	9.5	7.2	2.2
3	1.9	2.4	3.4	3.9	25	4.2	57	16	13	8.7	7.7	2.0
4	2.2	2.4	3.1	2.8	5.5	4.0	11	27	50	8.4	7.1	1.8
5	1.9	4.0	2.6	3.8	4.2	7.1	8.8	16	16	30	5.6	1.8
6	1.9	2.7	2.6	5.6	4.0	4.4	8.0	15	15	15	8.4	1.7
7	1.9	2.2	2.6	3.1	5.4	16	7.4	16	19	9.4	6.6	1.6
8	2.2	1.9	2.6	2.7	4.2	24	18	15	14	8.9	5.2	1.4
9	2.4	2.2	2.3	2.6	3.8	11	20	15	13	7.3	5.3	1.4
10	2.2	2.2	2.1	4.0	3.6	33	149	15	14	6.7	3.9	1.4
11	2.2	2.4	2.2	51	4.1	15	31	14	13	6.6	42	1.2
12	2.7	2.4	2.1	5.4	4.4	34	17	14	12	7.2	45	2.3
13	2.7	24	1.9	4.1	3.6	6.5	14	14	12	6.3	8.1	3.4
14	2.7	3.9	1.9	3.8	3.6	5.0	12	13	12	5.9	5.2	1.8
15	2.2	3.1	1.9	7.4	3.7	4.2	12	15	12	9.0	4.3	1.6
16	1.9	2.5	20	4.9	4.1	4.1	134	47	12	9.4	3.8	1.5
17	1.9	2.4	4.4	3.6	5.6	4.0	38	22	11	6.1	3.6	1.8
18	1.9	2.3	2.8	3.3	6.1	46	21	17	11	18	5.9	1.8
19	2.2	2.2	2.5	3.3	5.3	37	45	15	31	22	5.6	1.4
20	2.4	2.2	2.4	3.1	4.8	8.0	23	21	15	11	3.6	1.2
21	3.3	2.1	2.2	3.1	4.7	30	18	18	11	28	2.8	5.6
22	2.7	2.0	2.9	3.0	4.5	9.2	17	18	9.8	22	2.4	41
23	2.4	2.3	2.9	22	5.9	6.5	16	28	9.8	7.4	2.3	3.6
24	2.2	2.5	2.2	7.5	4.7	5.8	115	16	9.2	34	2.1	2.4
25	4.0	2.3	1.9	4.2	4.3	5.4	32	15	8.2	9.7	2.1	2.1
26	4.3	2.0	1.9	3.7	4.0	5.4	22	15	8.7	8.1	2.0	2.0
27	2.7	1.8	1.8	3.5	4.0	12	19	23	8.0	7.7	1.8	1.8
28	2.4	1.9	1.9	3.3	4.0	49	20	14	23	6.6	3.5	1.9
29	2.4	19	3.3	3.3	---	9.5	18	15	17	6.5	8.6	1.8
30	2.4	3.9	2.5	4.7	---	7.6	17	33	10	6.3	3.1	32
31	2.2	---	2.5	4.8	---	6.6	---	31	---	6.2	2.8	---
TOTAL	75.0	111.0	99.6	186.5	143.9	424.9	932.3	586	439.7	357.9	223.8	129.8
MEAN	2.42	3.70	3.21	6.02	5.14	13.7	31.1	18.9	14.7	11.5	7.22	4.33
MAX	4.3	24	20	51	25	49	149	47	50	34	45	41
MIN	1.9	1.8	1.8	2.4	3.3	4.0	5.9	13	8.0	5.9	1.8	1.2

CAL YR 1982 TOTAL 2769.2 MEAN 7.59 MAX 105 MIN 1.7
WTR YR 1983 TOTAL 3710.4 MEAN 10.2 MAX 149 MIN 1.2

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 1982 TO SEPTEMBER 1983

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)
NOV 29...	1230	20	50	6.4	9.0	8.4	13	2	3.3	1.1
FEB 22...	1015	4.3	500	6.0	9.0	--	71	39	21	4.6
MAY 18...	1130	17	365	6.0	15.0	10.2	76	59	23	4.6
AUG 23...	1240	2.2	440	6.6	25.0	5.5	--	--	--	--

DATE	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)
NOV 29...	3.1	2.1	11	4.0	6.1	<.10	.7	27	.580	.680
FEB 22...	95	2.9	32	35	150	<.10	7.6	360	3.88	5.88
MAY 18...	32	3.5	17	42	42	<.10	8.7	220	15.0	12.0
AUG 23...	--	--	--	--	--	--	--	--	1.67	3.35

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)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
NOV 29...	.020	.150	.65	1.4	.200	.170	260	30	.04
FEB 22...	.020	.430	.37	4.7	.020	<.010	380	510	.08
MAY 18...	.050	.700	.20	16	<.010	.010	470	710	.13
AUG 23...	.030	.170	.53	2.4	.040	<.010	--	--	--

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 downstream from Lakeview Avenue and southern boundary of Malverne. Water-quality sampling site at discharge station.

DRAINAGE AREA.--About 10 mi^2.

WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1432: 1937, 1940.

GAGE.--Water-stage recorder with steel plate V-notch weir and concrete controls. Datum of gage is 7.11 ft 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 upstream at datum 2.31 ft higher. Oct. 1, 1970 to May 31, 1972, supplementary gage on secondary channel 10 ft downstream at same datum.

REMARKS.--Records good except those for period of no gage-height record Oct. 1 to Dec. 15, which are poor. Prior to Feb. 20, 1956, flow occasionally regulated by Pines Pond. Indeterminate diversion from Pines Pond for emergency municipal water supply for City of New York, August 1953 to September 1954.

AVERAGE DISCHARGE.--46 years (1937-83), 3.76 ft^3/s.

EXTREMES FOR PERIOD OF RECORD (SINCE 1936).--Maximum discharge, 386 ft^3/s Jan. 18, 1978, gage height, 4.53 ft; no flow part of Sept. 12, 1963, and at times from 1964 to 1975, 1977, 1980-83.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar. 27	2400	237	4.11	Apr. 10	1530	265	4.20
Apr. 3	0945	206	4.01	Apr. 24	1045	*306	4.32

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

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	2.0	.00	.00	.16	1.0	.76	.50	.08	.01	.00
2	.00	.00	.01	.00	.00	.19	1.0	.76	.45	.08	.02	.00
3	.00	.00	.00	.00	2.0	.02	41	.79	.41	.07	.00	.00
4	.00	.00	.00	.00	.03	.00	1.9	4.7	17	.05	.00	.00
5	.00	.00	.00	.00	.02	.02	1.6	1.3	.51	5.8	.00	.00
6	.00	.00	.00	2.2	.00	.01	1.5	1.2	.44	.32	.00	.00
7	.00	.00	.00	.00	.10	4.9	1.7	1.1	.44	.05	.00	.00
8	.00	.00	.00	.00	.02	13	11	1.2	.38	.03	.00	.00
9	.00	.00	.00	.00	.00	.86	5.6	1.3	.35	.02	.00	.00
10	.00	.00	.00	7.6	.00	17	85	1.2	.35	.02	.00	.00
11	.00	.00	.00	16	.00	9.9	1.4	1.3	.34	.00	20	.00
12	.00	.00	.00	.00	.00	11	.60	1.3	.31	.00	5.8	.08
13	.00	15	.00	.00	.00	.22	.54	1.4	.28	.00	.03	.03
14	.00	.00	.00	.00	.00	.16	.55	1.4	.24	.00	.00	.00
15	.00	.00	.00	1.7	.00	.15	.53	1.1	.22	.01	.00	.00
16	.00	.00	11	.00	.07	.13	51	15	.20	.03	.00	.00
17	.00	.00	.01	.00	.12	.13	1.4	1.4	.19	.01	.00	.02
18	.00	.00	.00	.00	.10	34	.71	.66	.20	2.4	4.2	.02
19	.00	.00	.00	.00	.04	11	10	.50	1.1	.97	.06	.00
20	.00	.00	.00	.00	.03	.45	.86	.71	.26	.10	.00	.00
21	.00	.00	.00	.00	.04	17	.71	2.6	.22	20	.00	13
22	.00	.00	.00	.00	.03	.58	.69	1.4	.20	1.5	.00	4.4
23	.00	.00	.00	1.5	.09	.56	.70	4.4	.18	.03	.00	.00
24	.00	.00	.00	.01	.03	.57	60	.52	.14	8.0	.00	.00
25	.00	.00	.00	.00	.03	.55	2.1	.48	.13	.06	.00	.00
26	.00	.00	.00	.00	.01	.61	1.0	.59	.12	.03	.00	.00
27	.00	.00	.00	.00	.00	16	.88	2.0	.09	.00	.00	.00
28	.00	.00	.00	.00	.00	19	.82	.58	4.1	.00	5.8	.00
29	.00	10	.00	.00	---	.94	.81	.81	.60	.00	.91	.00
30	.00	.00	.00	.00	---	.97	.79	18	.12	.01	.01	21
31	.00	---	.00	.00	---	1.0	---	2.0	---	.02	.00	---
TOTAL	.00	25.00	13.02	29.01	2.76	161.08	287.39	72.46	30.07	39.69	36.84	38.55
MEAN	.000	.83	.42	.94	.099	5.20	9.58	2.34	1.00	1.28	1.19	1.29
MAX	.00	15	11	16	2.0	34	85	18	17	20	20	21
MIN	.00	.00	.00	.00	.00	.00	.53	.48	.09	.00	.00	.00

CAL YR 1982 TOTAL 473.85 MEAN 1.30 MAX 54 MIN .00
WTR YR 1983 TOTAL 735.87 MEAN 2.02 MAX 85 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 1982 TO SEPTEMBER 1983

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)
NOV										
29...	1200	6.4	185	6.3	10.0	7.0	19	2	4.8	1.7
FEB										
22...	1050	.03	900	7.3	8.0	--	47	--	15	2.2
MAY										
18...	1030	.59	270	6.2	12.0	8.4	75	35	21	5.4

DATE	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)
NOV										
29...	15	2.6	17	6.0	25	.10	1.5	71	.670	.690
FEB										
22...	150	4.2	56	44	220	<.10	4.5	480	1.40	1.20
MAY										
18...	18	2.9	40	34	28	<.10	7.1	140	--	--

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)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
NOV									
29...	.030	.190	.51	1.4	.220	.150	1000	250	.06
FEB									
22...	.100	.190	.51	2.2	.290	.220	700	50	.34
MAY									
18...	--	--	--	--	--	--	540	710	.04

01311300 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 upstream from West Valley Stream Boulevard in Valley Stream.

DRAINAGE AREA.--About 4.5 mi^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 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 higher.

REMARKS.--Records good except those above 140 ft^3/s, which are fair. Flow regulated occasionally by cleaning operations at outlet of Valley Stream Pond above station.

AVERAGE DISCHARGE.--29 years (1954-83), 2.35 ft^3/s.

EXTREMES FOR PERIOD OF RECORD (SINCE 1954).--Maximum discharge, 290 ft^3/s Jan. 21, 1979, gage height, 5.62 ft, from rating curve extended above 130 ft^3/s; no flow at times each year since 1963.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 156 ft^3/s Apr. 10, gage height, 2.96 ft, from rating curve extended above 130 ft^3/s; no flow for all or part of many days during year.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	.00	.00	.04	.00	.00	.00	.00
2	.00	.00	.00	.00	.00	.00	.00	.03	.00	.00	.00	.00
3	.00	.00	.00	.00	.00	.00	11	.02	.00	.00	.00	.00
4	.00	.00	.00	.00	.00	.00	.29	1.1	5.8	.00	.00	.00
5	.00	.00	.00	.00	.00	.00	.00	.25	.25	.00	.00	.00
6	.00	.00	.00	.00	.00	.00	.00	.02	.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	.08	.00	.04	44	.00	.00	.00	.00	.00
11	.00	.00	.00	2.1	.00	.82	2.5	.00	.00	.00	.27	.00
12	.00	.00	.00	.00	.00	4.2	.08	.00	.00	.00	3.8	.00
13	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.02	.00
14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
16	.00	.00	.00	.00	.00	.00	31	1.5	.00	.00	.00	.00
17	.00	.00	.00	.00	.00	.00	4.0	.77	.00	.00	.00	.00
18	.00	.00	.00	.00	.00	6.0	.20	.01	.00	.00	.08	.00
19	.00	.00	.00	.00	.00	5.5	2.7	.00	.00	.00	.08	.40
20	.00	.00	.00	.00	.00	.00	1.0	.00	.00	.00	.00	.00
21	.00	.00	.00	.00	.00	2.5	.09	.00	.00	3.2	.00	.12
22	.00	.00	.00	.00	.00	.28	.00	.00	.00	3.2	.00	.05
23	.00	.00	.00	.00	.00	.00	.00	.86	.00	.00	.00	.00
24	.00	.00	.00	.00	.00	.00	32	.09	.00	2.4	.00	.00
25	.00	.00	.00	.00	.00	.00	2.9	.00	.00	.02	.00	.00
26	.00	.00	.00	.00	.00	.00	.42	.00	.00	.00	.00	.00
27	.00	.00	.00	.00	.00	.74	.15	.00	.00	.00	.00	.00
28	.00	.00	.00	.00	.00	7.9	.14	.00	.00	.00	.17	.00
29	.00	.00	.00	.00	---	.00	.09	.00	.00	.00	.30	.00
30	.00	.00	.00	.00	---	.00	.07	1.9	.00	.00	.00	6.6
31	.00	---	.00	.00	---	.00	---	2.6	---	.00	.00	---
TOTAL	.00	.02	.00	2.18	.00	27.98	132.63	9.19	6.05	8.82	4.72	7.17
MEAN	.000	.001	.000	.070	.000	.90	4.42	.30	.20	.28	.15	.24
MAX	.00	.02	.00	2.1	.00	7.9	44	2.6	5.8	3.2	3.8	6.6
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

CAL YR 1982 TOTAL 157.12 MEAN .43 MAX 38 MIN .00
WTR YR 1983 TOTAL 198.76 MEAN .54 MAX 44 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 1983

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 northwest of State Highway 25A.	--	1953-83	1-26-83 4- 7-83 8-16-83	0.45 .36 .36
01302300	Roslyn Brook at Roslyn, N.Y.	Lat 40°47'55", long 73°38'51", Nassau County, at Roslyn, 200 ft downstream from dam in Roslyn Park.	--	1953-83	11- 8-82 1-26-83 4- 7-83 8-16-83	.24 .42 .31 .31
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 southwest of Lattingtown, and 1.5 mi northwest of Locust Valley.	--	1953-83	11- 8-82 1-26-83 4- 7-83 8- 5-83 8-17-83	.29 .49 .70 .35 .98
01303600	Mill Creek near Huntington, N.Y.	Lat 40°52'56", long 73°25'17", Suffolk County, at culvert on Creek Road, 300 ft west on New York Ave., 1 mi northeast of Huntington.	--	1953-83	11- 8-82 1-27-83 4- 5-83 9-15-83	1.7 2.0 2.3 3.8
01303700	Stony Hollow Run at Centerport, N.Y.	Lat 40°53'05", long 73°21'41", Suffolk County, at culvert on State Highway 25A, 0.25 mi east of Centerport, and 1.5 mi southwest of Northport.	--	1953-83	11- 8-82 1-27-83 4- 5-83 9-15-83	.90 .93 1.3 .44
01303742	Fresh Pond Outlet at Fort Salonga, N.Y.	Lat 40°55'26", long 73°17'43", Suffolk County, 200 ft downstream from Fresh Pond outlet, 0.75 mi north of Fort Salonga.	--	1977-83	11-17-82 4- 5-83 9- 8-83	1.1 2.4 .97
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 northwest of East Hauppauge, and 4.0 mi upstream from gaging station near Smithtown.	--	1972-83	11-18-82 6- 9-83 9- 2-83	.28 1.5 .62
01303800	Northeast Branch Nissequogue River at Smithtown, N.Y.	Lat 40°51'05", long 73°11'15", Suffolk County, 300 ft upstream from culvert on State Highway 111, 0.75 mi southeast of Smithtown, and 3.0 mi upstream from gaging station near Smithtown.	--	1948-49 1951-76 1979-83	11-18-82 6- 9-83 9- 2-83	.76 3.8 1.4
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 south of Smithtown, and 2.5 mi upstream from gaging station near Smithtown.	--	1972-83	11-18-82 6- 9-83 9- 2-83	.62 4.8 2.3

Discharge measurements made at low-flow partial-record stations during water year 1983--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 southwest of Smithtown, and 2.0 mi upstream from gaging station near Smithtown.	--	1953-83	11-18-82 6- 9-83 9- 2-83	2.1 13. 4.1
01303941	Nissequogue River near Hauppauge, N.Y.	Lat 40°50'30", long 73°13'43", Suffolk County, 30 ft downstream from dam at New Mill Road, 2 mi northwest of Hauppauge, and 0.5 mi upstream from gaging station near Smithtown.	--	1972-83	6- 9-83 9- 2-83	42 34
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 downstream from gaging station near Smithtown.	--	1974-83	6- 9-83 9- 2-83	58 57
01304051	Stony Brook at Stony Brook, N.Y.	Lat 40°54'53", long 73°08'52", Suffolk County, 100 ft downstream from Harbor Road, at Stony Brook.	--	1977-83	11-17-82 4- 5-83 9- 8-83	2.2 2.3 2.2
01304060	Unnamed tributary to Conscience Bay at Setauket, N.Y.	Lat 40°56'49", long 73°07'01", Suffolk County, 30 ft downstream from pond below Old Field Road, at Setauket.	--	1977-83	11-17-82 4- 5-83 9- 8-83	1.1 1.5 1.0
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.	--	1977-83	11-17-82 4- 5-83 9- 8-83	.33 .32 .32
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.	--	1977-83	11-17-82 4- 5-83 9- 8-83	.12 .51 .38
01304100	Wading River at Wading River, N.Y.	Lat 40°57'20", long 72°51'19", Suffolk County, at pond outlet, 0.25 mi west of Wading River.	--	1953-62 1964-83	10-28-82 9-20-83	.41 1.2
01304150	Fresh Pond Outlet, at Baiting Hollow, N.Y.	Lat 40°57'43", long 72°46'17", Suffolk County, 25 ft downstream from dirt road at outlet of Fresh Pond, 0.7 mi northwest of Baiting Hollow.	--	1977-83	6- 1-83 9-15-83	1.5 .63
01304400	Peconic River at Manorville, N.Y.	Lat 40°52'38", long 72°49'42", Suffolk County, at bridge on Schultz Road, 1 mi northwest of Manorville, and 8.5 mi upstream from gaging station at Riverhead.	--	1948-49 1951-83	10-28-82 9- 1-83	2.9 2.4
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 downstream from gaging station at Riverhead.	--	1976-83	9- 1-83	41
01304530	Little River near Riverhead, N.Y.	Lat 40°53'52", long 72°40'30", Suffolk County, at Wildwood Lake outlet, 500 ft east of Moriches-Riverhead Road, 1.5 mi southwest of Riverhead	--	1952-83	11-18-82 4- 7-83 8-30-83	6.5 4.9 3.0
01304560	White Brook at Riverhead N.Y.	Lat 40°54'40" long 72 38'37" Suffolk County, at culvert on State Highway 24, 1 mi southeast of Riverhead.	--	1953-69 1973-83	11-18-82 4- 7-83 9- 1-83	.44 3 8 4.6

Discharge measurements made at low-flow partial-record stations during water year 1983--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Measurements Date	Measurements Discharge (ft^3/s)
		Streams on Long Island				
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 northwest of Southampton.	--	1951-69 1971-83	12-27-82 4- 6-83 9- 1-83	0.52 1.9 .15
01304630	Mill Creek at Noyack, N.Y.	Lat 40°59'35", long 72°21'00", Suffolk County, 50 ft upstream from culvert on Noyack Road, 0.25 mi west of Noyack.	--	1958-83	12-27-82 4- 6-83 9- 1-83	1.6 1.1 2.5
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 southwest of Sag Harbor.	--	1953-69 1973-83	12-27-82 4- 6-83 9- 1-83	.04 .57 .08
01304730	Poxabogue Pond Outlet at Sagaponack, N.Y.	Lat 40°55'48", long 72°17'16", Suffolk County, at culvert on Sagg St., at Sagaponack, and 1 mi southeast of Bridgehampton.	--	1953-78 1980-83	4- 6-83 9- 1-83	5.2 2.4
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 northeast of East Quogue.	--	1974-83	12-27-82 4- 7-83 9- 1-83	.30 1.5 1.8
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 northwest of Quogue.	--	1953-69 1974-83	12-27-82 4- 7-83 8-30-83	1.9 2.2 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.	--	1959-83	12-27-82 4- 7-83 8-30-83	.96 3.1 1.1
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 northwest of State Highway 27A, and 1 mi northwest of Westhampton.	--	1953-83	12-27-82 4- 7-83 8-30-83	1.2 2.4 1.6
01304820	Speonk River at Speonk, N.Y.	Lat 40°49'06", long 72°41'29", Suffolk County, at culvert on State Highway 27A, 0.75 mi east of Speonk.	--	1974-83	12-27-82 4- 7-83 8-30-83	.08 1.7 .59
01304830	East River at Eastport, N.Y.	Lat 40°49'24", long 72°43'02", Suffolk County, 15 ft upstream from culvert on Long Island Railroad, 200 ft south of State Highway 27A, 0.5 mi east of Eastport.	--	1953-69 1973-83	11-10-82 12-27-82 8-30-83	.51 1.1 2.0
01304860	Seatuck Creek at Eastport, N.Y.	Lat 40°49'30", long 72°43'43", Suffolk County, 15 ft downstream from culvert on State Highway 27A, at Eastport.	--	1953-83	11-10-82 5- 3-83 8-30-83	2.0 8.9 2.3
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 southwest of Eastport.	--	1955-69 1974-83	11-10-82 5- 3-83 8-30-83	1.2 7.0 3.3
01304960	Forge River at Moriches, N.Y.	Lat 40°48'22", long 72°50'00", Suffolk County, at culvert on State Highway 27A, at Moriches.	--	1948-50 1952-83	11-10-82 6- 1-83 9-15-83	3.2 9.9 6.1

Discharge measurements made at low-flow partial-record stations during water year 1983--Continued

Station No.	Station name	Location	Drainage area (mi^2)	Period of record	Measurements Date	Measurements Discharge (ft^3/s)
		Streams on Long Island				
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 south of Middle Island, and 3.0 mi upstream from gaging station at Yaphank.	--	1947-83	11- 8-82 5-11-83 9-14-83	0.39 4.8 2.1
01304995	Carmans River near Yaphank, N.Y.	Lat 40°50'29", long 72°56'13", Suffolk County, 25 ft downstream from Mill Road, 1.2 mi northwest of Yaphank, and 1.9 mi upstream from gaging station at Yaphank.	--	1973-83	11- 8-82 5-11-83 9-14-83	9.6 16 12
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 upstream from gaging station at Yaphank.	--	1973-83	11- 8-82 9-14-83	8.8 17
01305040	Carmans River at South Haven, N.Y.	Lat 40°48'09", long 72°53'09", Suffolk County, 50 ft upstream from culvert on State Highway 27, at South Haven, and 2.6 mi downstream from gaging station at Yaphank.	--	1973-83	11- 8-82 9-14-83	62 50
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 east of Patchogue.	--	1947-69 1971-83	11- 8-82 9-15-83	2.3 2.0
01305800	Patchogue River near Patchogue, N.Y.	Lat 40°46'55", long 73°01'19", Suffolk County, at bridge on discontinued road, 300 ft west of North Ocean Ave., and 1 mi north of State Highway 27A and gaging station at Patchogue.	--	1945-50 1952-83	11-16-82	7.1
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‡ 1977-83	12- 1-82 8-19-83	8.9 15
01306400	Green Creek at West Sayville, N.Y.	Lat 40°43'51", long 73°05'32", Suffolk County, 30 ft upstream from State Highway 27A at West Sayville.	--	1953-83	11- 8-82 9-14-83	4.5 4.2
01306405	Lake Ronkonkoma Inlet at Lake Ronkonkoma, N.Y.	Lat 40°49'57", long 73°07'34", Suffolk County, 300 ft southeast of Smithtown Blvd., 0.2 mi west of Lake Ronkonkoma.	--	1948-49 1953-54 1977-79 1981-83	11-16-82 9- 2-83	.55 2.0
01306470	Connetquot Brook near Oakdale, N.Y.	Lat 40°45'47", long 73°09'10", Suffolk County, 100 ft downstream from fish hatchery, and 1.1 mi upstream from gaging station 01306499.	--	1968 1973-83	5-26-83	39
01306700	Rattlesnake Brook near Oakdale, N.Y.	Lat 40°44'52", long 73°08'45", Suffolk County, 50 ft downstream from State Highway 27, 1.5 mi northwest of Oakdale.	--	1944-69 1971-83	11- 8-82 5- 5-83 8-31-83	26 31 22
01307000c/	Champlin Creek at Islip, N.Y.	Lat 40°44'13", long 73°12'08", Suffolk County, at Long Island Railroad bridge, 220 ft downstream from Moffitt Boulevard, at Islip.	--	1948-69‡ 1970-83	12- 1-82 8-19-83	2.4 4.8

‡ 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 1983--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 downstream from gaging station at Islip.	--	1963 1967 1973 1975-83	1-28-83 5- 3-83 9-14-83	6.8 9.8 4.5
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 1974-83	1-26-83 5- 2-83 7-21-83 9-14-83	6.7 12 6.2 2.1
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 west of Islip.	--	1948-83	1-26-83 5- 2-83 7-21-83 9-14-83	1.1 4.8 .97 .57
01307500[c/]	Penataquit Creek at Bay Shore, N.Y.	Lat 40°43'37", long 73°14'41", Suffolk County, at Union Avenue, at Bayshore.	--	1945-76‡ 1977-83	12- 1-82 5-12-83 8-19-83	5.5 7.2 4.7
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.	--	1958-83	1-26-83 5- 2-83 8-17-83	2.1 6.8 2.0
01307920	Sampawams Creek near Deer Park, N.Y.	Lat 40°44'27", long 73°18'24", Suffolk County, 30 ft downstream from Bay Shore Road, and 2.5 mi upstream from gaging station at Babylon.	--	1965-66 1973-83	1-27-83 7-19-83 9-23-83	.41 .31 2.0
01307950	Sampawams Creek near North Babylon, N.Y.	Lat 40°43'37", long 73°18'46", Suffolk County, 120 ft downstream from Hunter Avenue, and 1.6 mi upstream from gaging station at Babylon.	--	1967 1971-83	1-27-83 7-19-83 9-23-83	1.2 3.0 4.6
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 upstream from State Highway 27A, at Babylon, and 0.5 mi downstream from gaging station at Babylon.	--	1953-67 1969-83	1-27-83 7-19-83 9-23-83	8.9 7.3 6.9
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 downstream from gaging station at Babylon.	--	1968-83	1-27-83 4- 7-83 7-19-83	22 34 17
01309000[c/]	Santapogue Creek at Lindenhurst, N.Y.	Lat 40°41'30", long 73°21'20", Suffolk County, at culvert on East Hoffman Avenue, 1 mi east of Long Island Railroad station at Lindenhurst.	--	1947-69‡ 1970-83	12- 1-82 2-14-83 4- 6-83 9-29-83	.76 2.2 5.7 .13
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 downstream from gaging station at Lindenhurst.	--	1953-69 1971-83	1-26-83 4- 6-83 8-17-83	5.7 12 5.8

‡ 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 1983--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 upstream from State Highway 27A, in Lindenhurst.	--	1948-50 1952-83	1-26-83 4- 6-83 8-16-83	3.7 4.9 3.1
01309250	Strongs Creek at Lindenhurst, N.Y.	Lat 40°40'22", long 73°22'40", Suffolk County, 30 ft upstream from State Highway 27A, at Lindenhurst.	--	1953-69 1971-83	1-26-83 4- 6-83 8-16-83	1.1 1.8 1.1
01309350	Amityville Creek at Amityville, N.Y.	Lat 40°40'13", long 73°24'51", Suffolk County, 100 ft upstream from State Highway 27A, at Amityville.	--	1953-83	1-26-83 4- 6-83 7-18-83	1.7 3.5 2.8
01309400	Carman Creek at Amityville, N.Y.	Lat 40°40'09", long 73°26"02", Nassau County, at bridge on State Highway 27A, 0.75 mi west of Amityville.	--	1949 1953-69 1971-83	1-26-83 4- 5-83 7-18-83 9-28-83	3.6 7.2 3.7 2.8
01309454	Massapequa Creek at South Farmingdale, N.Y.	Lat 40°42'55", long 73°27'00", Nassau County, 75 ft upstream from Tomes Avenue, 0.2 mi south of South Farmingdale, and 1.9 mi upstream from gaging station at Massapequa.	--	1962-65 1973-78 1980-83	1-26-83 4- 5-83 7-13-83 9-27-83	0 .24 .05 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 upstream from culvert at Southern State Parkway, 0.8 mi south of South Farmingdale, and 1.2 mi upstream from gaging station at Massapequa.	--	1962-65 1973-83	1-26-83 4- 5-83 7-13-83 9-27-83	.55 1.8 .92 .49
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 upstream from gaging station at Massapequa.	--	1962 1964 1973-83	1-26-83 4- 5-83 7-13-83 9-27-83	1.5 6.7 2.5 .95
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.	--	1953-83	1-26-83 4- 5-83 7-18-83 9-28-83	.98 4.0 .66 .40
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 west of Seaford.	--	1953-67 1971-81 1983	1-26-83 4- 5-83	3.3 6.1
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 north of North Wantagh, and 1.2 mi upstream from gaging station 01309990.	--	1973-83	1-26-83 4- 6-83 7-19-83 9-27-83	0 .03 .06 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 upstream from gaging station 01309990.	--	1973-83	4- 6-83 7-19-83 9-27-83	.61 .72 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.	--	1963-83	1-25-83 4- 5-83 7-18-83	0 .55 .23

Discharge measurements made at low-flow partial-record stations during water year 1983--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 east of Freeport.	--	1953-62 1965-83	1-25-83 4- 5-83 7-18-83 9-23-83	4.2 6.1 3.6 2.7
01310470	East Meadow Brook near Westbury, NY.	Lat 40°44'01", long 73°35'06", Nassau County, 50 ft downstream from culvert on Meadowbrook State Parkway, 1.0 mi south of Westbury, and 4.8 mi upstream from gage at Freeport.	--	1973-83	1-27-83 4- 6-83 7-13-83 9-23-83	.35 .33 .66 .15
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 northeast of Uniondale, and 3.9 mi upstream from gage at Freeport.	--	1973-83	1-27-83 4- 6-83 7-13-83 9-23-83	.48 .64 1.9 1.7
01310488	East Meadow Brook at East Meadow, N.Y.	Lat 40°41'56", long 73°34'37", Nassau County, 300 ft west of Luddington Road, 1.4 mi southwest of East Meadow, and 2.3 mi upstream from gage at Freeport.	--	1973-83	1-27-83 4- 6-83 7-13-83 9-23-83	0 3.3 2.5 3.1
01310600	Milburn Creek at Baldwin, N.Y.	Lat 40°39'04", long 73°36'13", Nassau County, 50 ft downstream from bridge on State Highway 27A, 0.5 mi east of Baldwin.	--	1953-83	1-25-83 4- 5-83 7-18-83 9-23-83	5.4 8.1 5.2 4.8
01310700	Parsonage Creek at Baldwin, N.Y.	Lat 40°38'48", long 73°36'59", Nassau County, 20 ft downstream from bridge on Foxhurst Road, at Baldwin.	--	1953-69 1971-81 1983	8-17-83	.85
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 north of Rockville Centre.	--	1953-83	1-25-83 4- 5-83 7-19-83 9-23-83	0 0 .11 0
01311200	Motts Creek at Valley Stream, N.Y.	Lat 40°39'01", long 73°42'45", Nassau County, 50 ft downstream from bridge on Rosedale Road, 1 mile southwest of Valley Stream.	--	1954-83	1-25-83 4- 5-83 7-19-83 9-23-83	0 1.2 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 downstream from West Branch, 500 ft downstream from bridge on West Valley Stream Blvd., at village park in Valley Stream, and 500 ft downstream from gaging station.	--	1953-83	1-25-83 4- 5-83 7-19-83 9-23-83	0 0 0 0

KINGS COUNTY

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 (water table)
WELL CHARACTERISTICS.--Driven observation well, diameter 1.25 in, depth 18 ft, screened 13 to 18 ft.
DATUM.--Land-surface datum is 21.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.44 ft below land-surface datum.
REMARKS.--Replaced well K-30.1 in September 1978 at same location.
PERIOD OF RECORD.--June 1935 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.38 ft NGVD, Sept. 23, 1980; lowest measured, -29.75 ft NGVD, Nov. 8, 1941

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 6	4.86	DEC 21	4.84	MAR 25	5.36	JUN 29	5.56	SEP 28	4.82		

403852073582301. Local number, K 508.1
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 (water table).
WELL CHARACTERISTICS.--Drilled unused well, 24 in, depth 120 ft, screened 72.5 to 116 ft.
DATUM.--Land-surface datum is 50.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of steel plate, 0.04 ft 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 NGVD, Dec. 16, 1975; lowest measured, -26.32 ft NGVD, Aug. 21, 1944.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 6	9.04	DEC 21	8.75	MAR 25	9.14	SEP 28	9.42				

403639073590301. Local number, K 631.1
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 (water table).
WELL CHARACTERISTICS.--Drilled unused well, 10 in, depth 97 ft, screened 72 to 97 ft.
DATUM.--Land-surface datum is 31 ft National Geodetic Vertical Datum of 1929. Measuring point: Hole drilled in cap 0.08 ft 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 5.67 ft NGVD, June 30, 1982; lowest measured, 3.01 ft NGVD, Dec. 13, 1949.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 6	5.08	DEC 21	4.98	MAR 25	5.28	SEP 28	5.58				

KINGS COUNTY--Continued

403939073542901. Local number, K 1265.1
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 (water table).
WELL CHARACTERISTICS.--Driven well, 1.5 in, depth 43.2 ft, screen assumed at bottom.
DATUM.--Land-surface datum is 23 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.10 ft 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 NGVD, Sept. 23, 1980; lowest measured, -11.55 ft NGVD, Aug. 22, 1942.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 6	8.27	DEC 21	7.89	MAR 23	7.39	SEP 28	8.45				

403605073571201. Local number, K 3247.1
Location.--Lat 40°36'05", long 73°57'12", Hydrologic Unit 02030202, at Avenue T and 19th Street, Sheepshead Bay, Brooklyn. Owner: U.S. Geological Survey.
Aquifer.--Upper Glacial (water table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 25 ft, screened 22 to 25 ft.
DATUM.--Land-surface datum is 19 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.39 ft below land-surface datum.
REMARKS.--Water-quality records are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--April 1980 to current year. Unpublished records for April 1980 to September 1982 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.21 ft NGVD, Apr. 9, 1980; lowest measured, 3.21 ft NGVD, Oct. 6, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 6	3.21	DEC 21	3.57	MAR 25	4.06	JUN 29	4.05	SEP 28	4.26		

403737074011701. Local number, K 3275.1
LOCATION.--Lat 40°37'37", long 74°01'17", Hydrologic Unit 02030202, at 76th Street and 6th Avenue, Bay Ridge, Brooklyn. Owner: U.S. Geological Survey.
AQUIFER.--Upper Glacial (water table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 76 ft, screened 73 to 76 ft.
DATUM.--Land-surface datum is 67.2 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.15 ft below land-surface datum.
REMARKS.--Water-quality records are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--June 1981 to current year. Unpublished records for June 1981 to September 1982 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.78 ft NGVD, Oct. 9, 1981; lowest measured, 3.35 ft NGVD, Dec. 21, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 6	4.05	DEC 21	3.35	MAR 25	4.47	JUN 29	4.65	SEP 28	4.28		

404135073584001. Local number, K 3276.1
LOCATION.--Lat 40°41'35", long 73°58'40", Hydrologic Unit 02030201, at Myrtle Avenue and St. Edwards Street, Fort Greene, Brooklyn. Owner: U.S. Geological Survey.
AQUIFER.--Upper Glacial (water table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 54 ft, screened 51 to 54 ft.
DATUM.--Land-surface Datum is 38 ft National Geodetic Vertical Datum of 1929. Measuring point. Top of coupling, at land-surface datum.
REMARKS.--Water-quality records are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--April 1981 to current year. Unpublished records for April 1981 to September 1982 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.16 ft NGVD, Sept. 28, 1983; lowest measured, 5.09 ft NGVD, June 29, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 6	5.78	DEC 21	5.55	MAR 25	5.98	JUN 29	5.63	SEP 28	6.16		

404048073412602. Local number, N 9.1
LOCATION.--Lat 40°40'48", long 73°41'26", Hydrologic Unit 02030202, at Corona Avenue and Remsen Street, Valley Stream. Owner: Long Island State Park Commission.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled unused well, diameter 8 in to 4 in, depth 138 ft, screen assumed at bottom.
DATUM.--Land-surface datum is 23.2 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.48 ft above land-surface datum.
PERIOD OF RECORD.--July 1936 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.57 ft NGVD, Sept. 23, 1938; lowest measured, 5.95 ft NGVD, Mar. 22, 1983.

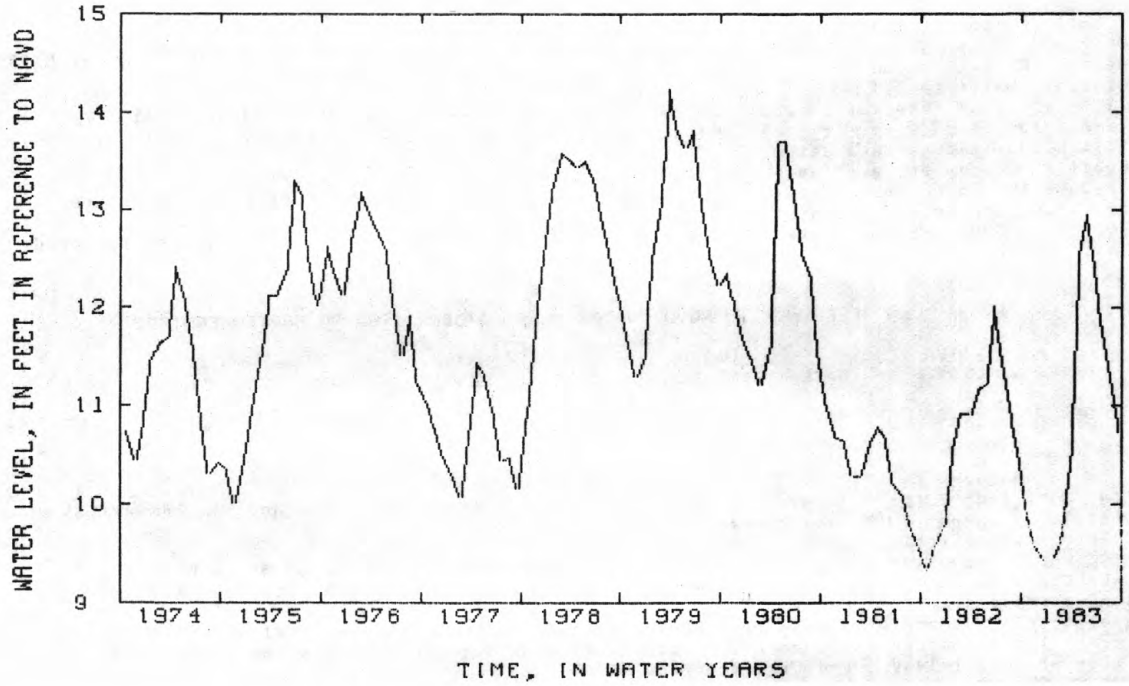
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 17	6.77	MAR 22	5.95	JUL 7	6.68	SEP 16	6.34				

403929073382901. Local number, N 53.1
LOCATION.--Lat 40°39'29", long 73°38'29", Hydrologic Unit 02030202, at Maple and Morris Avenues, Rockville Centre. Owner: Village of Rockville Centre.
AQUIFER.--Upper Glacial (water table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 8 in, depth 51 ft, screen assumed at bottom.
DATUM.--Land-surface datum is 26.2 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 5.13 ft 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 NGVD, Apr. 15, 1939; lowest measured, 7.85 ft NGVD, Aug. 30, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

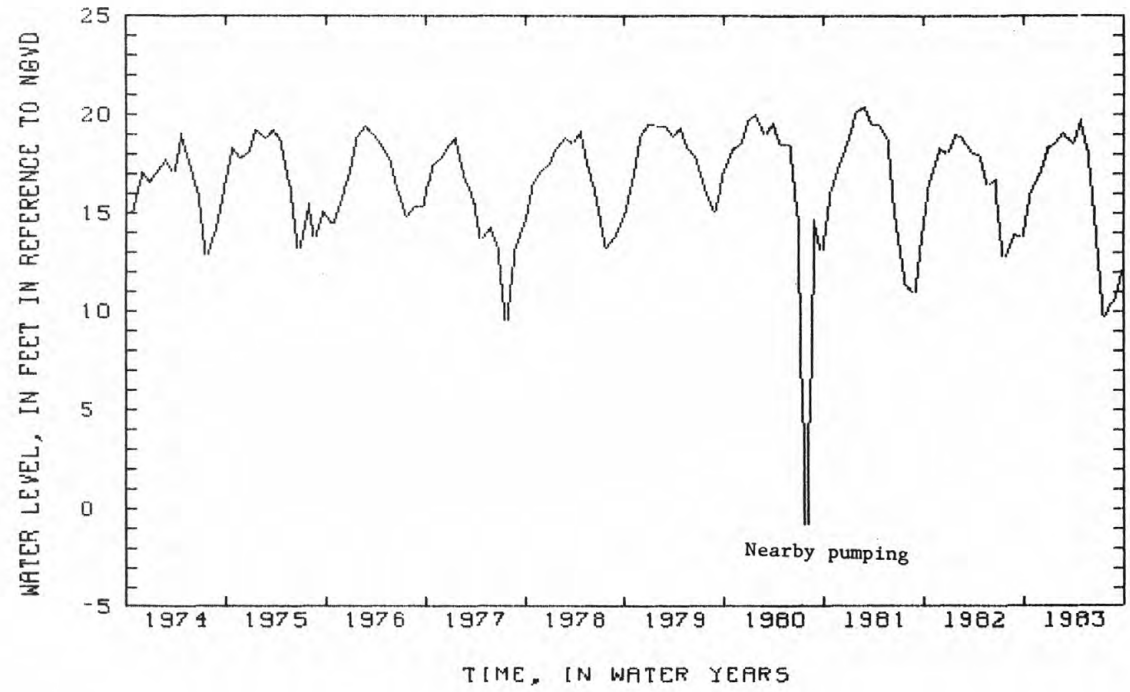
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	9.91	DEC 21	9.41	FEB 22	9.64	APR 25	12.56	JUN 20	12.47	AUG 23	11.22
NOV 22	9.58	JAN 24	9.43	MAR 23	10.48	MAY 20	12.96	JUL 22	11.80	SEP 22	10.72



404931073382101. Local number, N 110.1
LOCATION.--Lat 40°49'31", long 73°38'21", Hydrologic Unit 02030201, at Scudders Lane and Motts Cove Road, Glenwood Landing. Owner: Jericho Water District.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled observation well, diameter 16 in, reported depth 519 ft, measured depth 324 ft, screened 445 to 515 ft.
DATUM.--Land-surface datum is 56.1 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4 in nipple, 0.50 ft 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 NGVD, Dec. 15, 1970; lowest measured, -9.05 ft NGVD, May 22, 1957.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	15.99	DEC 25	18.32	FEB 23	19.11	APR 25	19.74	JUN 21	14.36	AUG 25	10.60
NOV 23	16.98	JAN 24	18.59	MAR 23	18.58	MAY 24	18.20	JUL 23	9.71	SEP 25	12.11



NASSAU COUNTY--Continued

404030073293702. Local number, N 180.2
LOCATION.--Lat 40°40'30", long 73°29'37", Hydrologic Unit 02030202, at Sunrise Highway and Seamans Neck Road, Seaford. Owner: Nassau County Department of Public Works.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled unused well, diameter 4 in to 6 in, depth 723 ft, screen assumed at bottom.
DATUM.--Land-surface datum is 15.3 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 14.39 ft above land-surface datum.
PERIOD OF RECORD.--October 1945 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.08 ft NGVD, June 6, 1952; lowest measured, 12.11 ft NGVD, June 28, 1976.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 17	13.66	MAR 21	16.47	JUN 30	13.77	SEP 16	13.30				

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 (water table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in, depth 166 ft, screened 161 to 166 ft.
DATUM.--Land-surface datum is 184.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.32 ft below land-surface datum.
REMARKS.--Replaced well N 1102.1 in March 1963 at same location.
PERIOD OF RECORD.--April 1939 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 59.12 ft NGVD, May 25, 1953; lowest measured, 28.90 ft NGVD, Jan. 19, 1983.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 17	29.66 G	JAN 19	28.90	MAR 23	28.99	APR 6	30.36 G	JUL 7	31.07	SEP 21	29.65

G MEASUREMENT BY ANOTHER AGENCY

404040390734201O1. Local number, N 1110.1
LOCATION.--Lat 40°40'40", long 73°42'01", Hydrologic Unit 02030202, at Henry Street, near Southern State Parkway, North Valley Stream. Owner: Nassau County Department of Public Works.
AQUIFER.--Upper Glacial (water table).
WELL CHARACTERISTICS.--Driven observation well, diameter 1.25 in, depth 27 ft, screen assumed at bottom.
DATUM.--Land-surface datum is 30.9 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.05 ft 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 NGVD, Apr. 21, 1939; lowest measured, 5.78 ft NGVD, Sept. 15, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 17	6.46 G	JAN 17	6.20	MAR 28	7.40	APR 6	7.90 G	JUL 8	8.04	SEP 16	7.38

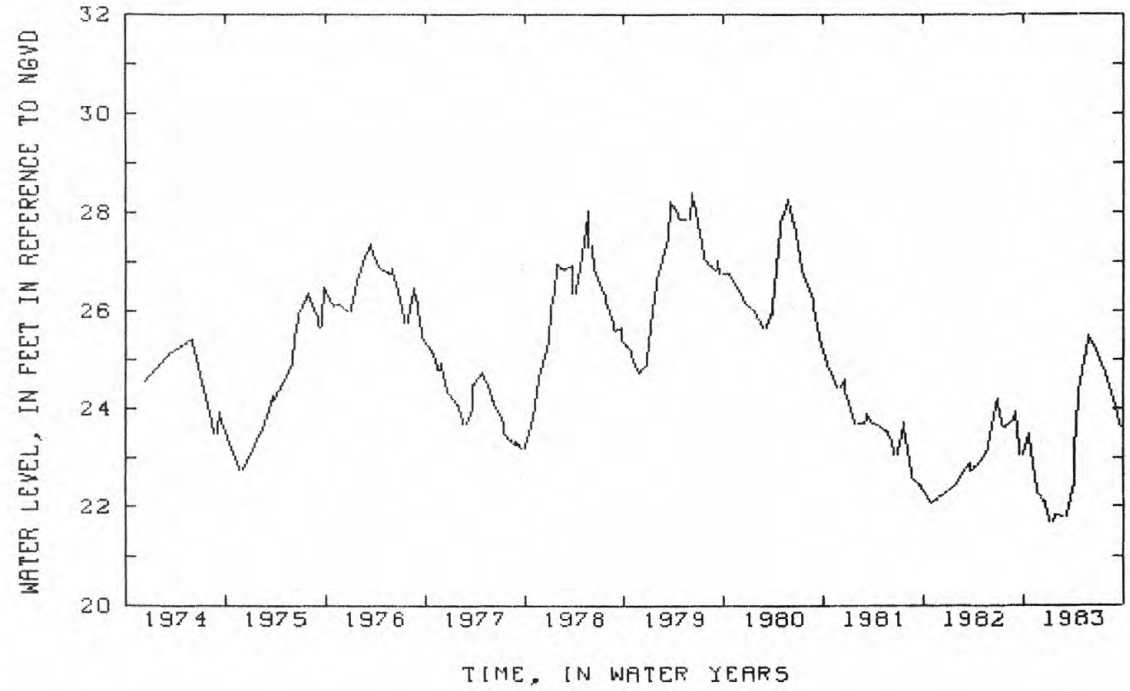
G MEASUREMENT BY ANOTHER AGENCY

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 (water table).
WELL CHARACTERISTICS.--Driven observation well, diameter 1.25 in, depth 44 ft, screened 41 to 44 ft.
DATUM.--Land-surface datum is 50.8 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.26 ft below land-surface datum.
REMARKS.--Water-quality records for 1966, 1968, 1975-1979 are available in files of Long Island Sub-district office. Replaced well N 1129.1 in October 1966 at same location.
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 NGVD, Sept. 28, 1938; lowest measured, 21.67 ft NGVD, Jan. 5, 1983.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	23.50	JAN 5	21.67	MAR 28	22.40	APR 21	24.44	JUN 21	25.22	AUG 22	24.24
NOV 26	22.22	24	21.84	APR 5	23.41 G	MAY 23	25.49	JUL 25	24.76	SEP 20	23.62
DEC 20	22.07 G	FEB 25	21.78								

G MEASUREMENT BY ANOTHER AGENCY



404840073311902. Local number, N 1212.2
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 (water table).
WELL CHARACTERISTICS.--Driven observation well, diameter 4 in, depth 185 ft, screened 179 to 185 ft.
DATUM.--Land-surface datum is 227.2 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 0.54 ft below land-surface datum.
PERIOD OF RECORD.--January 1943 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 93.27 ft NGVD, June 22, 1979; lowest measured, 73.00 ft NGVD, Apr. 25, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 20	83.67	MAR 28	83.25	JUN 30	83.73	SEP 29	83.43				

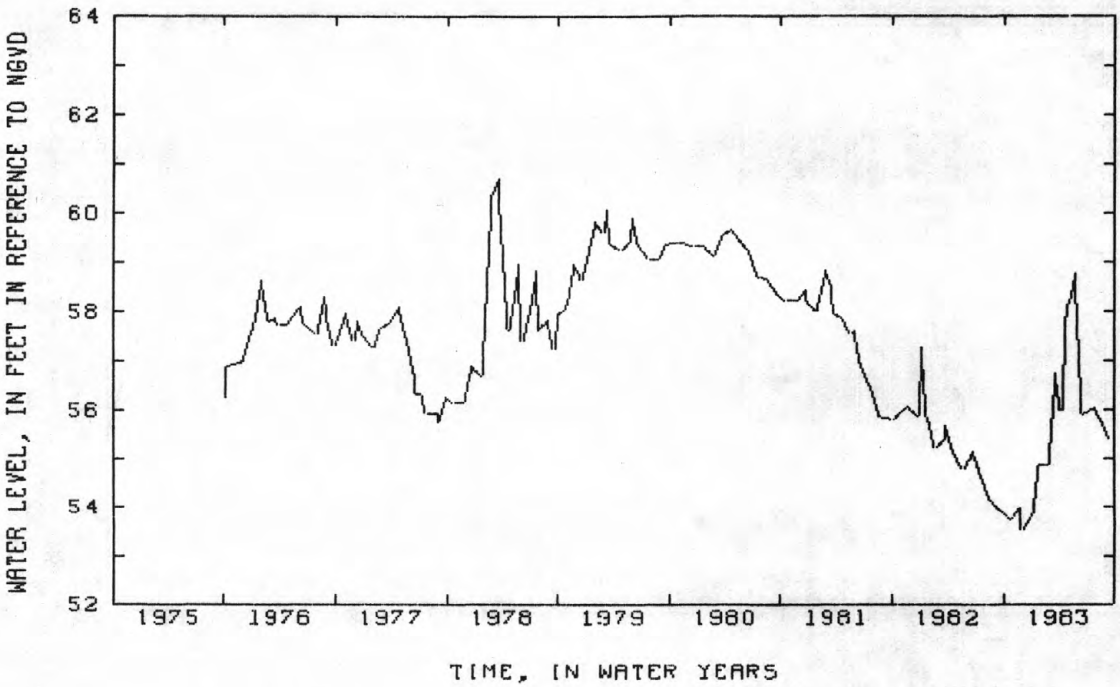
NASSAU COUNTY--Continued

405027073272002. Local number, N 1243.5.
LOCATION.--Lat 40°50'27", long 73°27'20", Hydrologic Unit 02030201, at Stillwell and Harbor Roads, Cold Spring. Owner: Nassau County Department of Public Works.
AQUIFER --Upper Glacial (water table).
WELL CHARACTERISTICS.--Driven observation well, diameter 1.25 in, depth 28 ft, screened 25 to 28 ft.
DATUM.--Land-surface datum is 63.1 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.10 ft 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 NGVD, Apr. 29, 1975; lowest measured, 48.03 ft NGVD, Feb. 24, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	53.72	JAN 4	53.84	MAR 21	56.72	APR 21	57.88	JUN 21	55.91	AUG 22	55.72
NOV 26	53.96	24	54.83	APR 7	55.96 G	MAY 23	58.78	JUL 25	56.03	SEP 20	55.38
DEC 2	53.50 G	FEB 25	54.86								

G MEASUREMENT BY ANOTHER AGENCY



404703073264201. Local number, N 1246.1
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 (water table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in, depth 124 ft, screen assumed at bottom.
DATUM.--Land-surface datum is 184.9 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.08 ft 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 NGVD, Sept. 12, 1979; lowest measured, 68.29 ft NGVD, Apr. 25, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 2	77.53 G	JAN 20	76.13	MAR 22	77.66	APR 7	76.23 G	JUN 30	77.84	SEP 20	76.97

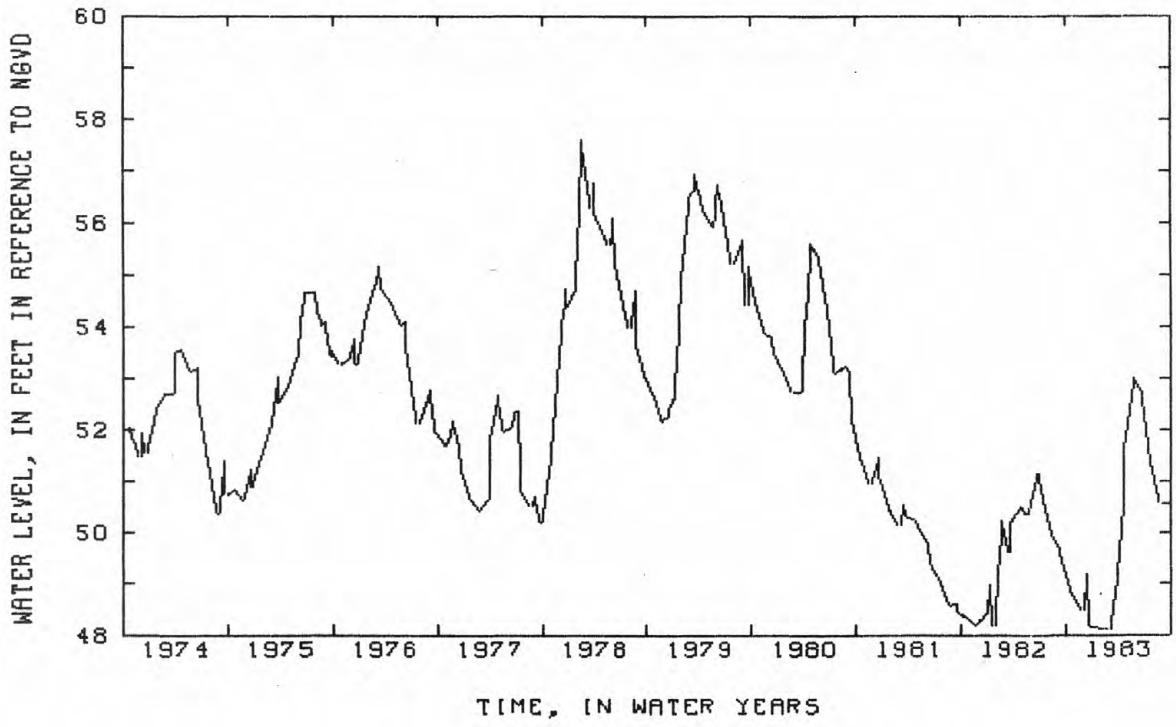
G MEASUREMENT BY ANOTHER AGENCY

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 (water table).
WELL CHARACTERISTICS.--Driven observation well, diameter 1.25 in, depth 41 ft, screened 38 to 41 ft.
DATUM.--Land-surface datum is 78.4 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.32 ft below land-surface datum.
REMARKS.--Replaced well N 1259.3 in June 1961 at same location.
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 NGVD, Feb. 21, 1978; lowest measured, 45.61 ft NGVD, Aug. 25, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	48.81	DEC 21	48.18	MAR 21	48.92	APR 21	51.74	JUN 21	52.72	AUG 22	50.58
NOV 26	48.48	JAN 24	48.14	APR 8	50.30 G	MAY 23	53.01	JUL 25	51.28	SEP 20	50.58
DEC 8	49.17 G	FEB 25	48.10								

G MEASUREMENT BY ANOTHER AGENCY



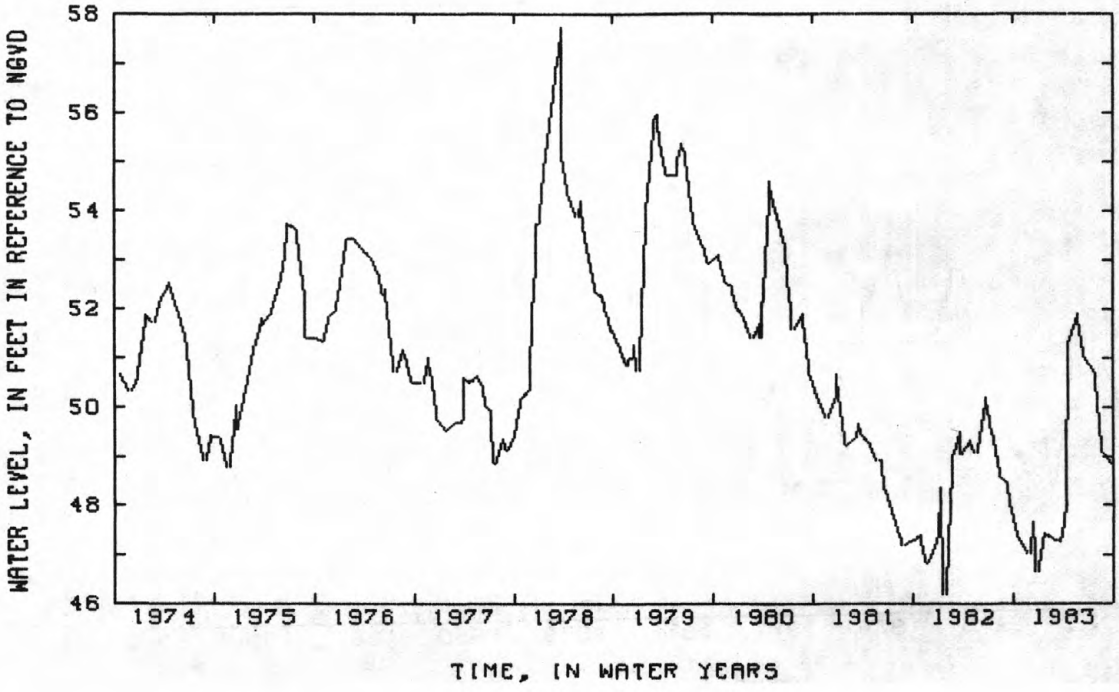
NASSAU COUNTY--Continued

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 well, diameter 1.25 in, depth 35 ft, screened 32 to 35 ft.
DATUM.--Land-surface datum is 67.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.41 ft below land-surface datum.
REMARKS.--Water-quality records for 1968, 1970, 1974-76, are available in files of Long Island Sub-district office.
Replaced well N 1263.3 in December 1952 at same location.
PERIOD OF RECORD.--June 1936 to current year. Unpublished records for June 1936 to September 1975 are available in files of Long Island.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 63.05 ft NGVD, June 29, 1948; lowest measured, 44.01 ft NGVD, Aug. 25, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	47.34	DEC 21	46.62	MAR 21	47.28	APR 21	51.35	JUN 21	50.99	AUG 22	49.07
NOV 26	47.01	JAN 24	47.44	APR 8	48.12 G	MAY 23	51.91	JUL 25	50.69	SEP 20	48.86
DEC 9	47.68 G	FEB 25	47.29								

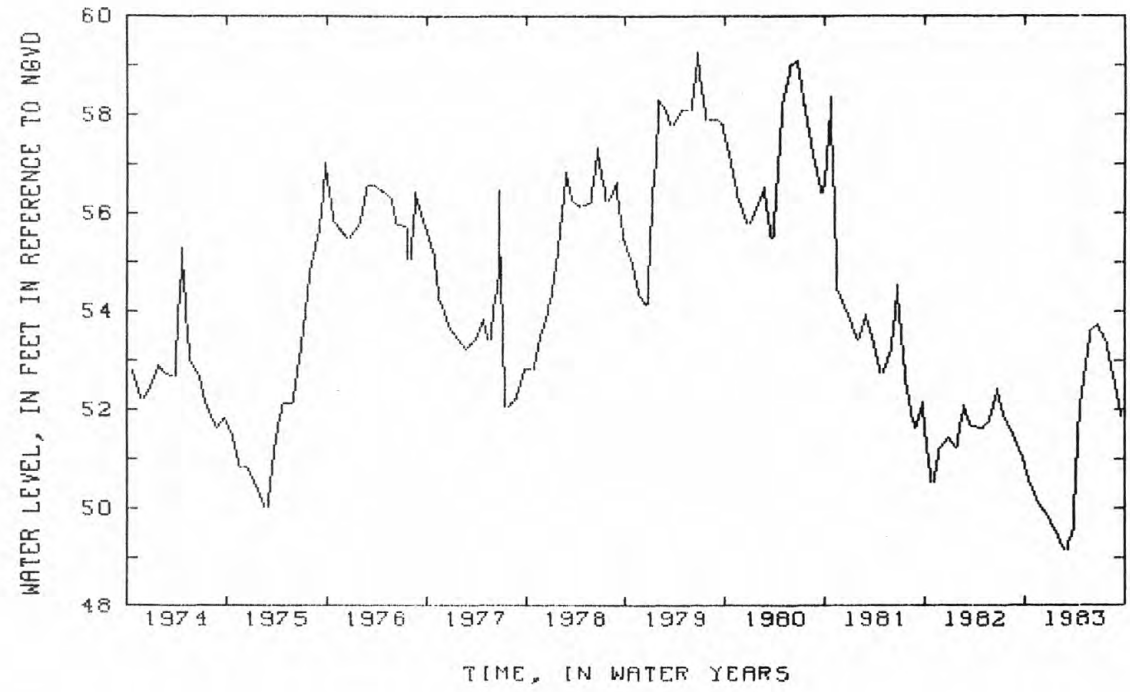
G MEASUREMENT BY ANOTHER AGENCY



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 (water table).
WELL CHARACTERISTICS. --Drilled observation well, diameter 1.25 in, depth 53 ft, screen assumed at bottom.
DATUM. --Land-surface datum is 100.1 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.26 ft below land-surface datum.
REMARKS. --Replaced well N 1614.3 in April 1966 at same location.
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 NGVD, May 31, 1949; lowest measured, 48.42 ft NGVD, Dec. 21, 1970.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	50.51	DEC 21	49.82	FEB 25	49.15	APR 21	52.19	JUN 21	53.74	AUG 22	52.60
NOV 26	50.06	JAN 24	49.52	MAR 21	49.54	MAY 23	53.59	JUL 25	53.37	SEP 20	51.84

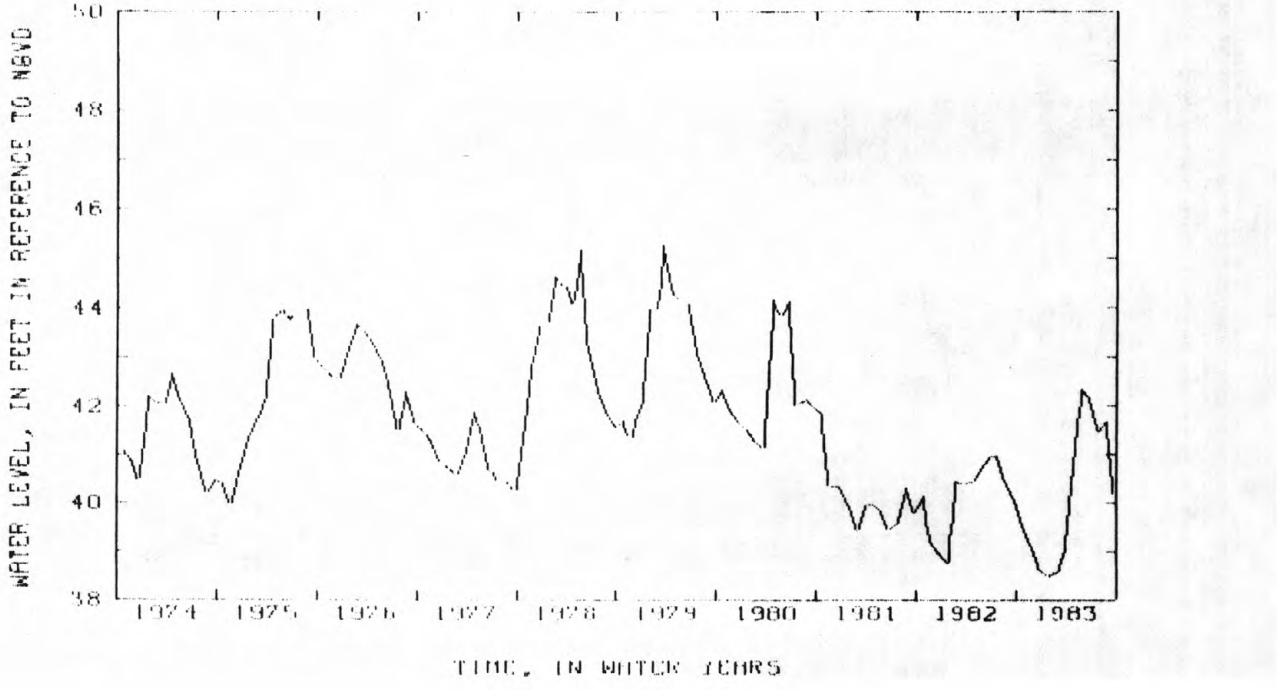


NASSAU COUNTY--Continued

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 (water table)
WELL CHARACTERISTICS.--Drilled observation well, diameter 1.25 in, depth 33 ft, screened 30 to 33 ft.
DATUM.--Land-surface datum is 61.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.13 ft below land-surface datum
REMARKS.--Water-quality records for 1966-67, 1969, 1972, are available in files of Long Island Sub-district office
Replaced well N 1615 1 in August 1966 at same location
PERIOD OF RECORD.--March 1913 to current year. Unpublished records for March 1913 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 NGVD, Mar. 28, 1939; lowest measured, 37.88 ft NGVD, Aug. 25, 1966

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	39.57	DEC 21	38.60	FEB 25	38.58	APR 21	40.54	JUN 21	42.17	AUG 22	41.67
NOV 26	39.11	JAN 24	38.46	MAR 21	38.97	MAY 23	42.32	JUL 25	41.47	SEP 20	40.17

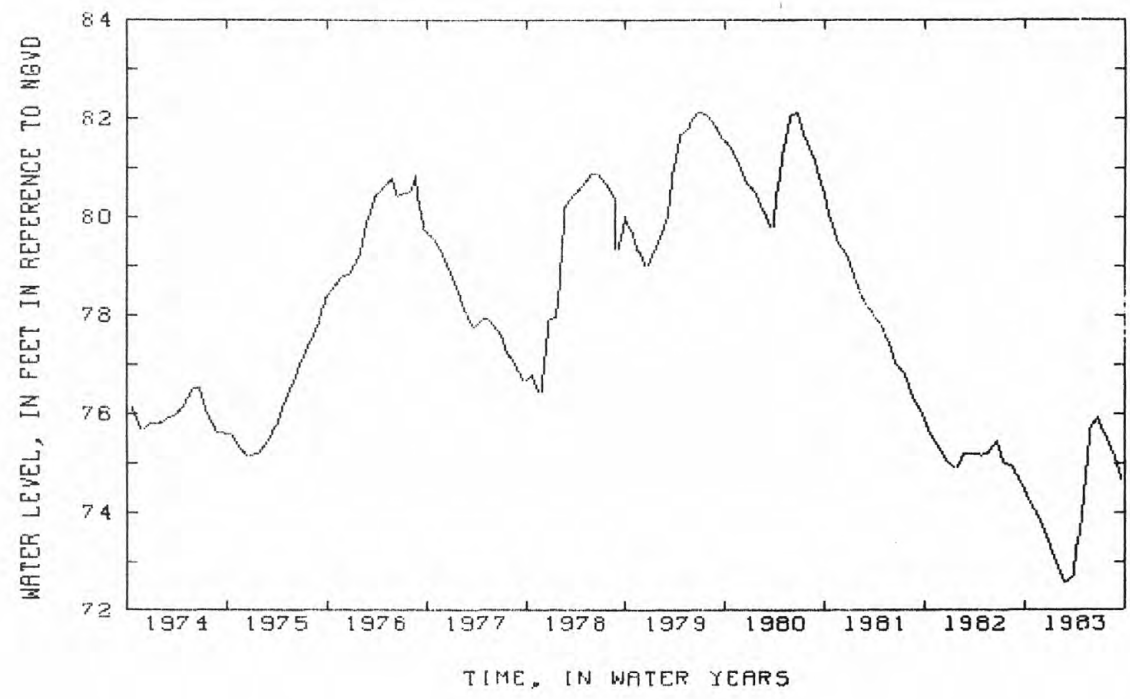


NASSAU COUNTY--Continued

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 (water table).
WELL CHARACTERISTICS.--Driven observation well, diameter 2 in, depth 68 ft, screened 65 to 68 ft.
DATUM.--Land-surface datum is 122.4 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.32 ft below land-surface datum.
REMARKS.--Water-quality records for 1969 are available in files of Long Island Sub-district office. Replaced well N 1616.1 in October 1965 at same location, it was previously, screened 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 NGVD, June 1, 1939; lowest measured, 68.28 ft NGVD, Feb. 28, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	74.23	DEC 21	73.47	FEB 25	72.58	APR 21	73.78	JUN 21	75.94	AUG 22	75.16
NOV 26	73.88	JAN 24	73.03	MAR 21	72.70	MAY 23	75.71	JUL 25	75.53	SEP 20	74.64



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 (confined).
WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in to 4 in, depth 328 ft, slotted 278 to 282 ft.
DATUM.--Land-surface datum is 93.1 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of nipple, 0.76 ft 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 NGVD, July 25, 1957; lowest measured, 59.12 ft NGVD, Feb. 24, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

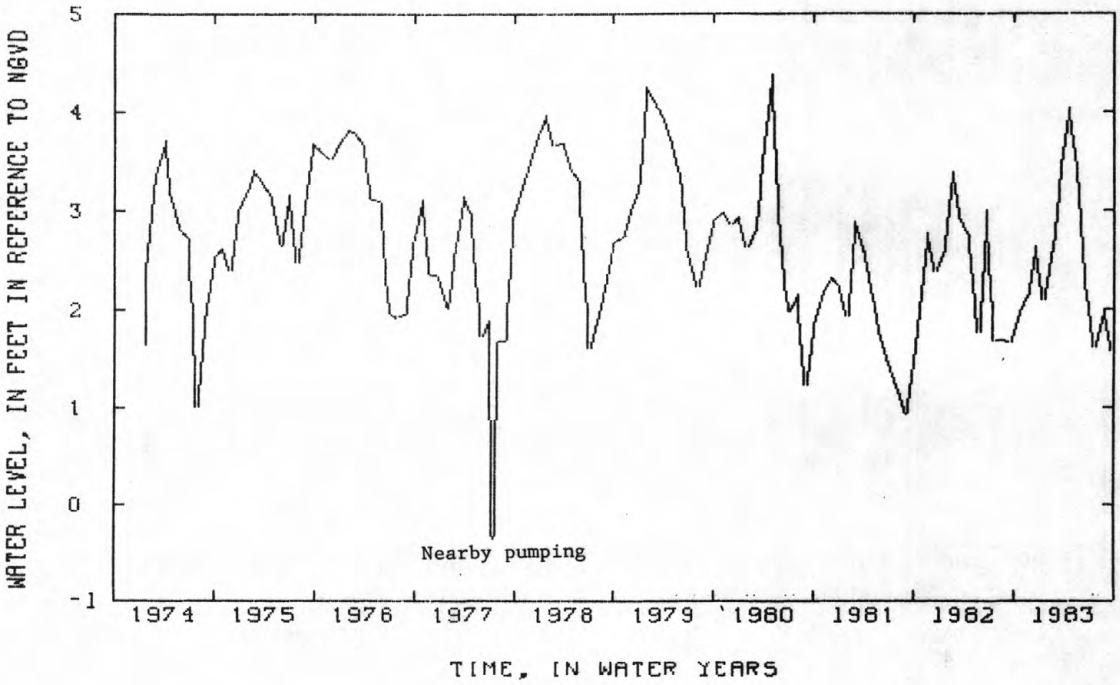
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 20	65.20	MAR 28	65.66	JUL 6	68.36	SEP 21	67.75				

NASSAU COUNTY--Continued

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 (confined).
WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in, depth 571 ft, screened 538 to 560 ft.
DATUM.--Land-surface datum is 6.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Base of recorder shelf, 3.82 ft 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 NGVD, Apr. 6, 1958; lowest measured, -0.36 ft NGVD, July 20, 1977.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	1.99	DEC 19	2.64	FEB 20	2.69	APR 20	4.04	JUN 19	2.18	AUG 22	1.98
NOV 18	2.14	JAN 19	2.09	MAR 21	3.50	MAY 19	3.48	JUL 20	1.60	SEP 20	1.57



404618073270402. Local number, N 3355.2
LOCATION.--Lat 40°46'18", long 73°27'04", Hydrologic Unit 02030202, at Round Swamp Road, 0.7 mi south of Old Country Road, Plainview. Owner: U.S. Geological Survey.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled observation well, diameter 8 in to 4 in, depth 1,093 ft, screened 1,070 to 1,090 ft.
DATUM.--Land-surface datum is 184.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.78 ft 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 NGVD, Apr. 10, 1957; lowest measured, 23.18 ft above NGVD, Apr. 11, 1972.

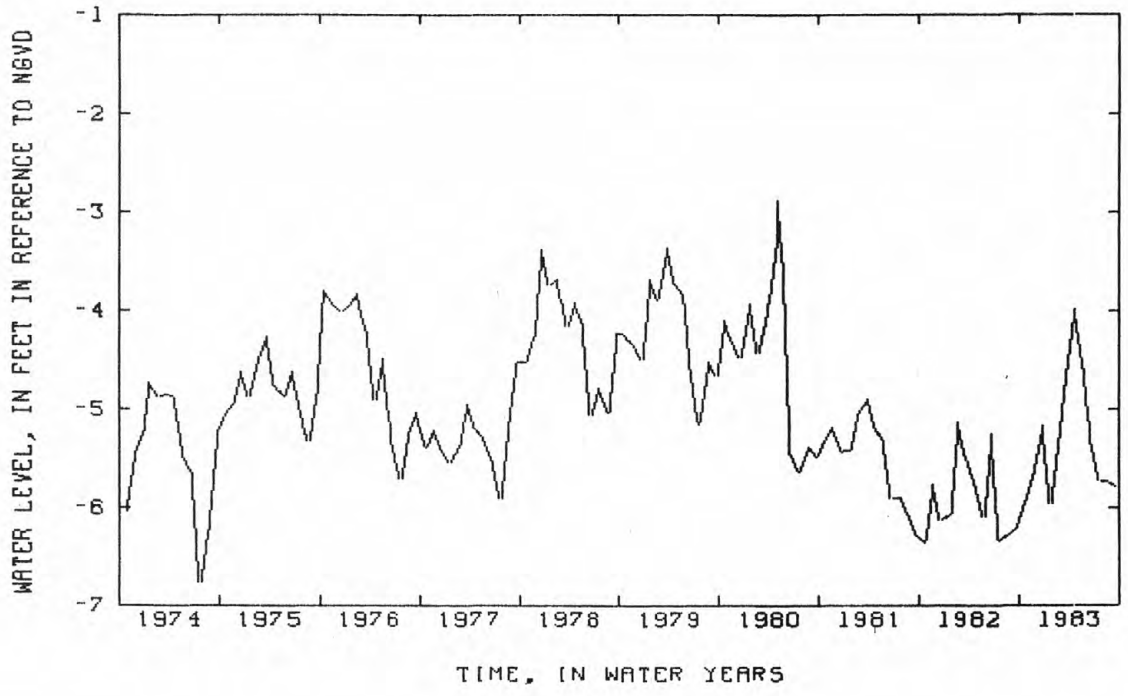
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 13	29.90	MAR 22	30.03	JUN 30	29.29	SEP 20	28.72				

403751073440101. Local number, N 3861.1
LOCATION.--Lat 40°37'51", long 73°44'01", Hydrologic Unit 02030202, at Water Pollution Control Plant, Arlington Place, Cedarhurst. Owner: U.S. Geological Survey.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in, depth 530 ft, screened 520 to 530 ft.
DATUM.--Land-surface datum is 7.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.37 ft 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 NGVD, May 1, 1980; lowest measured, -7.57 ft NGVD, Aug. 7, 1955.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	-5.93	DEC 21	-5.16	FEB 22	-5.30	APR 20	-3.98	JUN 20	-5.37	AUG 21	-5.73
NOV 21	-5.66	JAN 21	-5.96	MAR 22	-4.60	MAY 22	-4.60	JUL 20	-5.74	SEP 21	-5.80

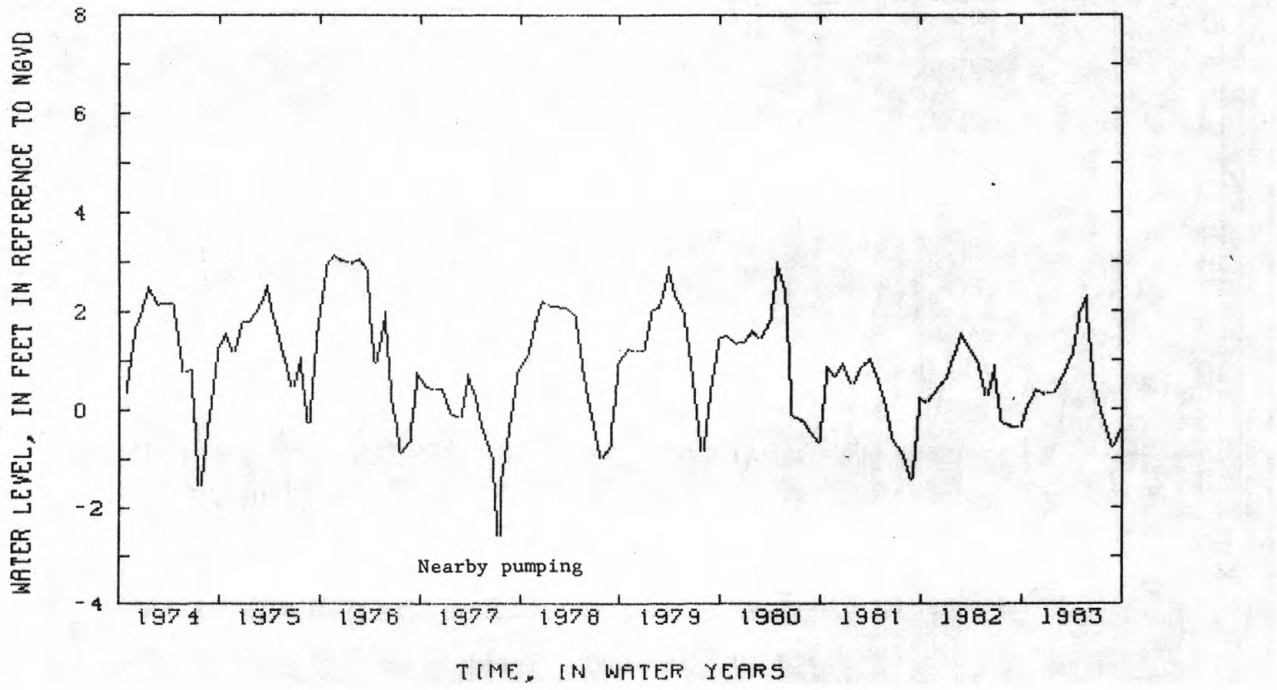


NASSAU COUNTY--Continued

403908073431902. Local number, N 3867-2.
LOCATION.--lat 40°39'08", long 73°43'19", Hydrologic Unit 02030202, at Brook Road Park, at the end of Brook Road, Green Acres. Owner: U.S. Geological Survey.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in, depth 517 ft, screened 505 to 517 ft.
DATUM.--Land-surface datum is 6.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.24 ft 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 NGVD, Jan. 28, 1953; lowest measured, -2.61 ft NGVD, July 19, 1977.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

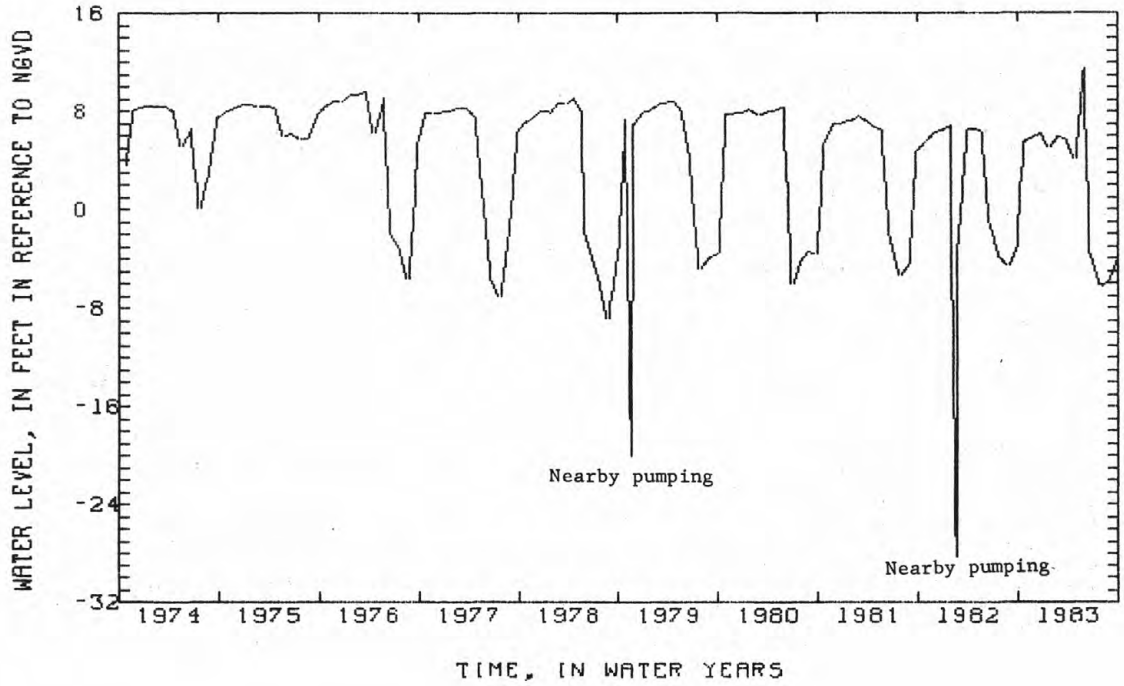
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	0.10	DEC 21	0.29	FEB 22	0.64	APR 22	1.98	JUN 20	0.55	AUG 23	-0.75
NOV 22	0.40	JAN 24	0.32	MAR 23	1.06	MAY 23	2.29	JUL 21	-0.14	SEP 22	-0.44



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 (confined).
WELL CHARACTERISTICS. --Drilled observation well, diameter 6 in, depth 396 ft, screened 378 to 388 ft.
DATUM. --Land-surface datum is 99.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of flange, 3.22 ft 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, 11.49 ft NGVD, May 31, & June 1, 1983; lowest measur -28.36 ft NGVD, Feb. 17, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	5.42	JAN 25	4.95	APR 26	4.03	MAY 31	11.49	JUN 22	-3.74	AUG 26	-5.88
NOV 24	5.89	FEB 24	5.85	MAY 25	11.14	JUN 1	11.49	JUL 25	-6.27	SEP 26	-4.28
DEC 24	6.09	MAR 24	5.66								



405212073354002. Local number, N 6668.1
LOCATION. --Lat 40°52'12", long 73°35'40", Hydrologic Unit 02030201, at Piping Rock Road, Locust Grove. Owner: U.S. Geological Survey.
AQUIFER. --Upper Glacial (water table).
WELL CHARACTERISTICS. --Drilled observation well, diameter 1.25 in, depth 43 ft, screened 41 to 43 ft.
DATUM. --Land-surface datum is 103 ft, National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.35 ft above land-surface datum.
PERIOD OF RECORD. --April 1968 to current year. Unpublished records for April 1968 to September 1982 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD. --Highest water level measured, 74.80 ft NGVD, Feb. 2, 1979; lowest measured, 63.30 NGVD, Apr. 22, 1980.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 19	64.32	MAR 25	63.77	JUL 6	67.10	SEP 21	68.01				

NASSAU COUNTY--Continued

403517073430602. Local number, N 6702.1
LOCATION.--Lat 40°35'17", long 73°43'06", Hydrologic Unit 02030202, at Richard and Park Streets, Atlantic Beach. Owner: U.S. Geological Survey.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in, depth 677 ft, screened 666 to 677 ft.
DATUM.--Land-surface datum is 11.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 1.05 ft 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 NGVD, Apr. 13, 1961; lowest measured, -8.50 ft NGVD, Jul. 23, 1974.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	-5.14	DEC 21	-5.20	FEB 23	-4.50	APR 24	-3.25	JUN 19	-4.98	AUG 23	-5.01
NOV 21	-5.29	JAN 24	-4.78	MAR 23	-5.07	MAY 23	-4.00	JUL 21	-4.89	SEP 21	-4.81

403712073415902. Local number, N 6707.1
LOCATION.--Lat 40°37'12", long 73°41'59", Hydrologic Unit 02030202, at end of Woodmere Boulevard, at the town dock Woodsburgh. Owner: U.S. Geological Survey.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in, depth 503 ft, screened 493 to 503 ft.
DATUM.--Land-surface datum is 5.0 ft National Geodetic Vertical Datum of 1929. Measuring Point: Top of coupling, 2.08 ft 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 NGVD, Mar. 13, 1961; lowest measured, -1.33 ft NGVD, July 19, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	1.54	DEC 19	2.00	FEB 19	1.81	APR 20	2.74	JUN 19	1.49	AUG 20	1.29
NOV 18	1.49	JAN 19	1.22	MAR 21	2.85	MAY 19	2.44	JUL 20	0.78	SEP 19	1.21

403533073353202. Local number, N 6850.2
LOCATION.--Lat 40°35'33", long 73°35'32", Hydrologic Unit 02030202, at Lido Boulevard, 0.3 mi west of Loop Parkway, Lido Beach. Owner: U.S. Geological Survey.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in, depth 913 ft, screened 898 to 909 ft.
DATUM.--Land-surface datum is 6.8 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 2.40 ft 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 NGVD, Apr. 13, 1961; lowest measured, 2.69 ft NGVD, Oct. 27, 1980.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	4.70	DEC 21	4.89	FEB 23	5.49	APR 24	5.96	JUN 19	4.99	AUG 22	4.83
NOV 21	4.78	JAN 23	4.71	MAR 22	5.02	MAY 23	5.93	JUL 21	4.75	SEP 21	4.89

NASSAU COUNTY--Continued

405433073344601. Local number, N 7152.1
LOCATION.--Lat 40°54'33", Long 73°34'46", Hydrologic Unit 02030201, at Oak Neck Beach, Bayville. Owner: U.S. Geological Survey.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in, depth 370 ft, screened 360 to 370 ft.
DATUM.--Land-surface datum is 15.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of nipple, 3.13 ft 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 NGVD, Feb. 5, 1962; lowest measured, -5.50 ft NGVD, Jun. 27, 1983.

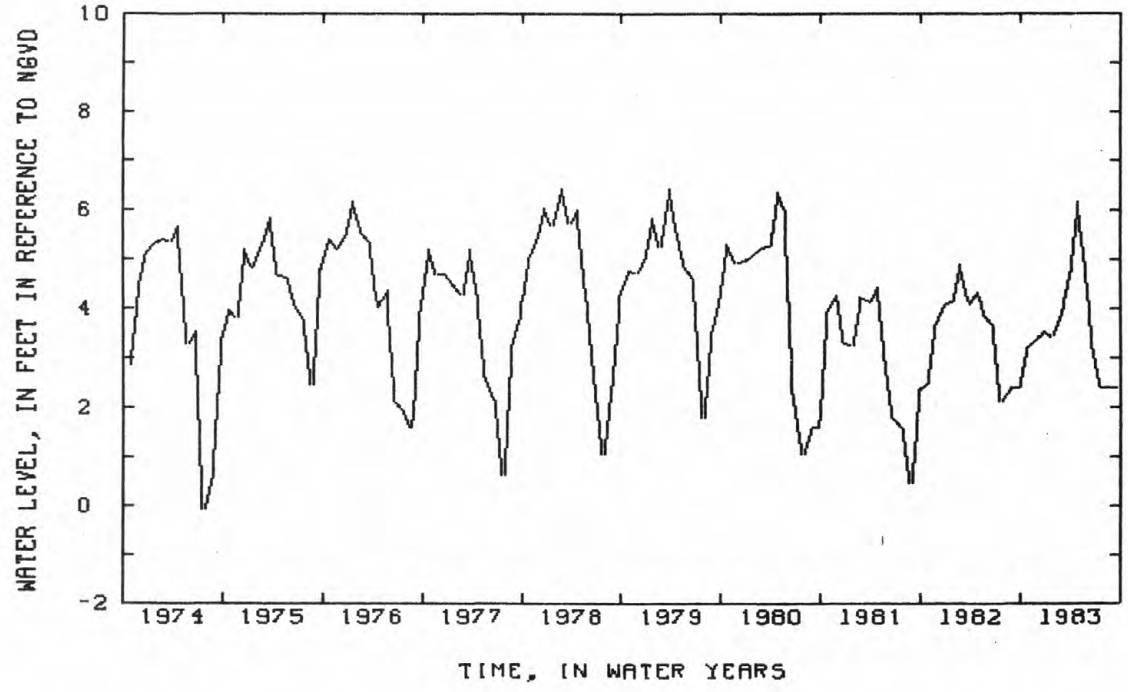
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	8.30	JAN 25	10.10	MAR 24	7.59	MAY 24	9.99	JUN 27	-5.50	AUG 26	0.45
NOV 24	9.90	FEB 23	10.48	APR 25	10.95	JUN 21	2.22	JUL 24	2.08	SEP 25	3.46
DEC 26	9.95										

403856073392603. Local number, N7161.2
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 (confined).
WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in, depth 666 ft, screened 661 to 665 ft.
DATUM.--Land-surface datum is 7 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.78 ft above land-surface datum.
REMARKS.--Water-quality records for 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 NGVD, Mar. 13, 1962; lowest measured, -2.81 ft NGVD, July 13, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	3.19	DEC 21	3.53	FEB 23	3.85	APR 25	6.16	JUN 20	3.17	SEP 22	2.38
NOV 22	3.33	JAN 24	3.45	MAR 23	4.73	MAY 23	4.94	JUL 22	2.40		

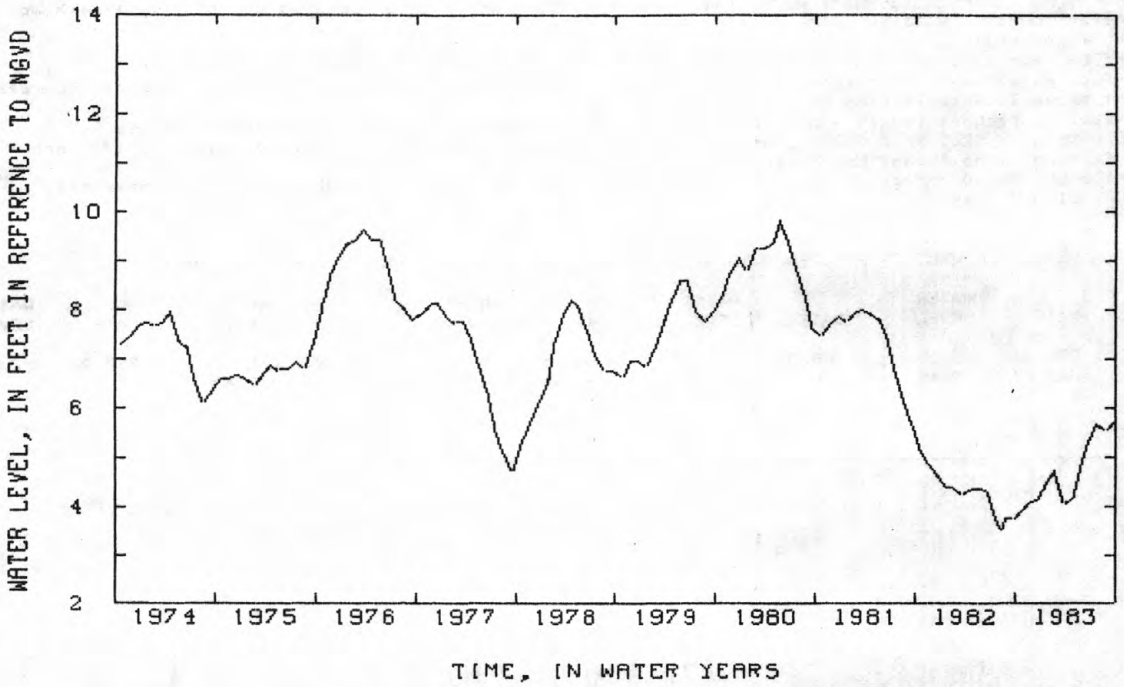


NASSAU COUNTY--Continued

404236073433501. Local number, N 7493.1
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 (confined).
WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in, depth 353 ft, screened 349 to 353 ft.
DATUM.--Land-surface datum is 76.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of flange, 1.59 ft 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 NGVD, Apr. 30, 1964; lowest measured, 3.52 ft NGVD, Aug. 8, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	3.90	DEC 20	4.12	FEB 24	4.72	APR 22	4.18	JUN 20	5.35	AUG 23	5.54
NOV 22	4.06	JAN 21	4.50	MAR 23	4.08	MAY 23	4.83	JUL 21	5.66	SEP 21	5.69



405418073324001. Local number, N 7546.1
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 (confined).
WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in, depth 364 ft, screened 359 to 364 ft.
DATUM.--Land-surface datum is 12.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.87 ft 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 NGVD, Mar. 15, 1975; lowest measured, 2.49 ft NGVD, July 24, 1977.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	8.89	DEC 25	9.47	FEB 23	10.50	APR 24	11.09	JUN 22	7.19	AUG 26	6.63
NOV 24	9.61	JAN 25	9.70	MAR 24	8.98	MAY 24	10.38	JUL 22	7.10	SEP 25	8.10

NASSAU COUNTY--Continued

403805073395303. Local number, N 7675.1
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 (water table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in, depth 35 ft, screened 28 to 34 ft.
DATUM.--Land-surface datum is 6.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.95 ft 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 NGVD, Jan. 20, 1979; lowest measured, -1.00 ft NGVD, Dec. 22, 1980.

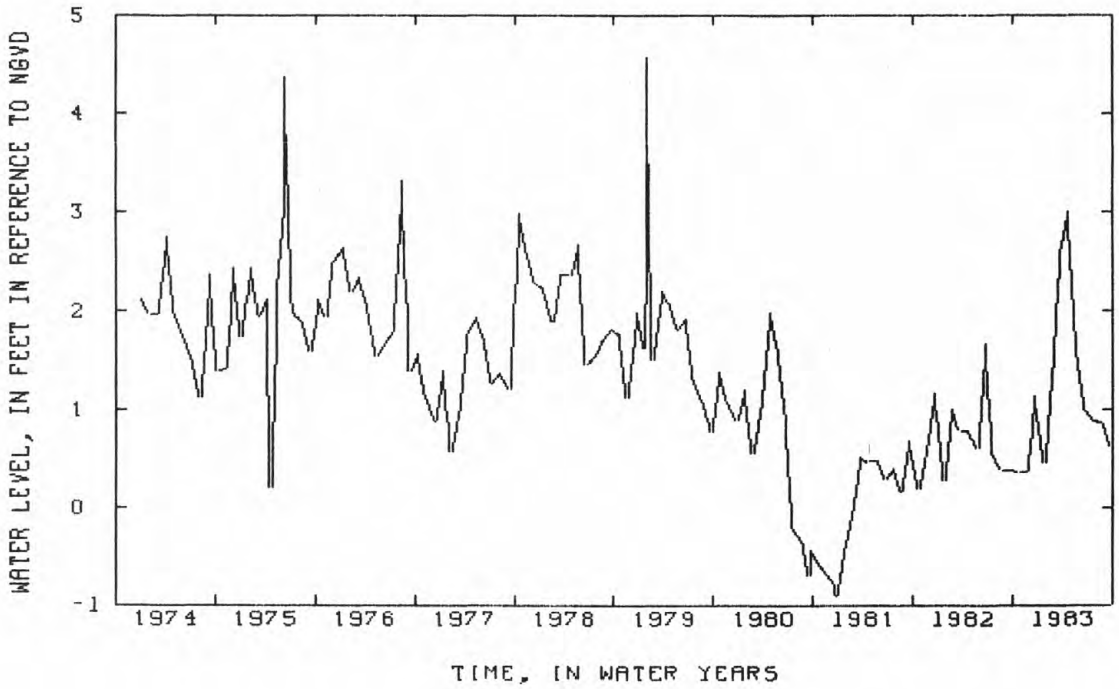
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	0.75	DEC 19	1.34	FEB 21	1.43	APR 20	2.23	JUN 20	1.03	AUG 22	1.04
NOV 18	0.72	JAN 19	0.74	MAR 22	2.57	MAY 20	1.66	JUL 20	1.02	SEP 20	0.84

403805073395304. Local number, N 7676.1
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 (water table).
WELL CHARACTERISTICS.--Driven observation well, diameter 4 in, depth 10 ft, screened 7 to 10 ft .
DATUM.--Land-surface datum is 5.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.83 ft 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 NGVD, Jan. 25, 1979; lowest measured, -0.90 ft NGVD, Dec. 22, 26, 27, 1980.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	0.35	DEC 20	1.13	FEB 22	1.41	APR 21	3.00	JUN 20	0.98	AUG 22	0.85
NOV 18	0.36	JAN 20	0.45	MAR 22	2.62	MAY 20	1.52	JUL 20	0.88	SEP 20	0.61



NASSAU COUNTY--Continued

403805073395303. Local number, N 7677.1
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 (water table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in, depth 89 ft, screened 84 to 89 ft.
DATUM.--Land-surface datum is 6.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.66 ft 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 NGVD, Jan. 25, 1979; lowest measured, -0.88 ft NGVD, Dec. 22, 1980.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	0.99	DEC 19	1.58	FEB 20	1.66	APR 20	2.87	JUN 20	1.10	AUG 22	1.21
NOV 18	0.99	JAN 19	0.97	MAR 22	2.48	MAY 20	1.98	JUL 20	1.14	SEP 20	0.99

403803073395406. Local number, N 7888.1
LOCATION.--Lat 40°38'03", long 73°39'54", Hydrologic Unit 02030202, at Bay Park Sewage Treatment Plant, Bay Park.
Owner: Nassau County Department of Public Works.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in, depth 327 ft, screened 307 to 317 ft.
DATUM.--Land-surface datum is 6.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 5.56 ft 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 NGVD, Feb. 6, 1978; lowest measured, 0.38 ft NGVD, July 18, 19, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	2.23	DEC 19	2.78	FEB 22	2.80	APR 20	4.08	JUN 20	1.95	AUG 22	1.80
NOV 18	2.25	JAN 19	2.18	MAR 22	3.64	MAY 20	3.49	JUL 20	1.76	SEP 20	1.69

403804073395201. Local number, N 8022.1
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 (confined).
WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in, depth 490 ft, screened 420 to 480 ft.
DATUM.--Land-surface datum is 6.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.10 ft 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 NGVD, Feb. 6, 1978; lowest measured, +0.21 ft NGVD, July 18, 19, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

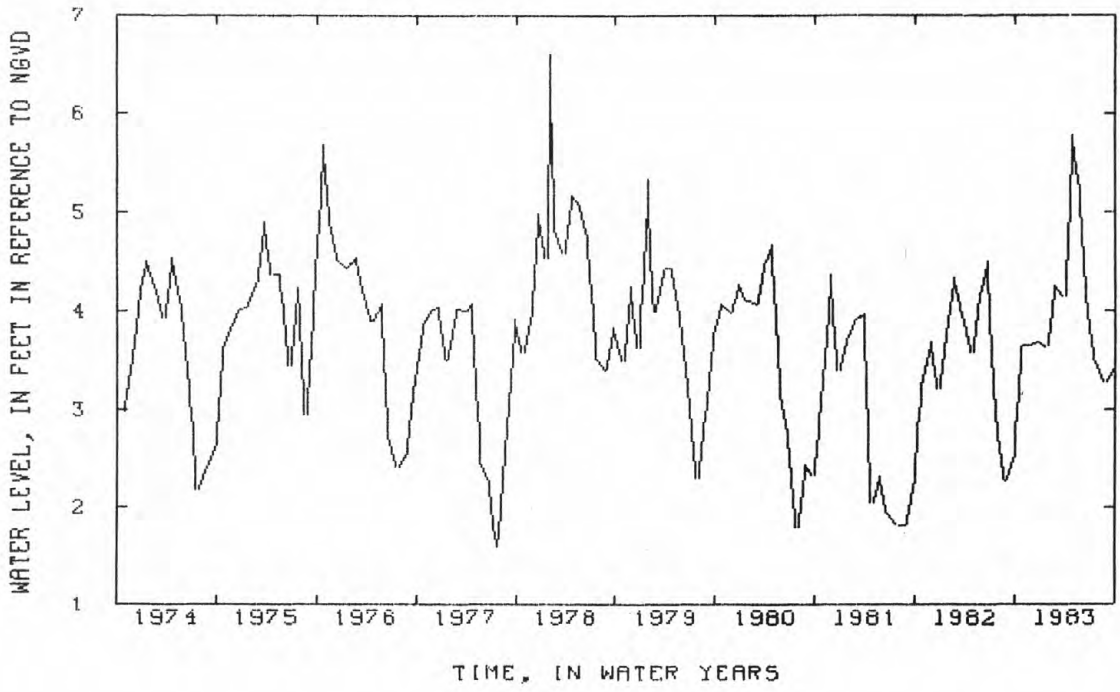
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	2.25	DEC 19	2.76	FEB 21	2.77	APR 20	4.11	JUN 20	1.94	AUG 22	1.70
NOV 18	2.23	JAN 19	2.22	MAR 22	3.67	MAY 20	3.54	JUL 20	1.67	SEP 20	1.59

NASSAU COUNTY--Continued

404947073450301. Local number, N 8046.1
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. --Port Washington (confined). Previously reported as Jameco Aquifer.
WELL CHARACTERISTICS. --Drilled observation well, diameter 4 in, depth 189 ft, screened 184 to 189 ft.
DATUM. --Land-surface datum is 9.3 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.40 ft 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 NGVD, Feb. 6, 1978; lowest measured, -1.20 ft NGVD, July 19, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	3.64	DEC 21	3.68	FEB 23	4.25	APR 25	5.78	JUN 21	4.03	AUG 23	3.26
NOV 23	3.65	JAN 23	3.64	MAR 23	4.14	MAY 23	5.24	JUL 22	3.49	SEP 22	3.40

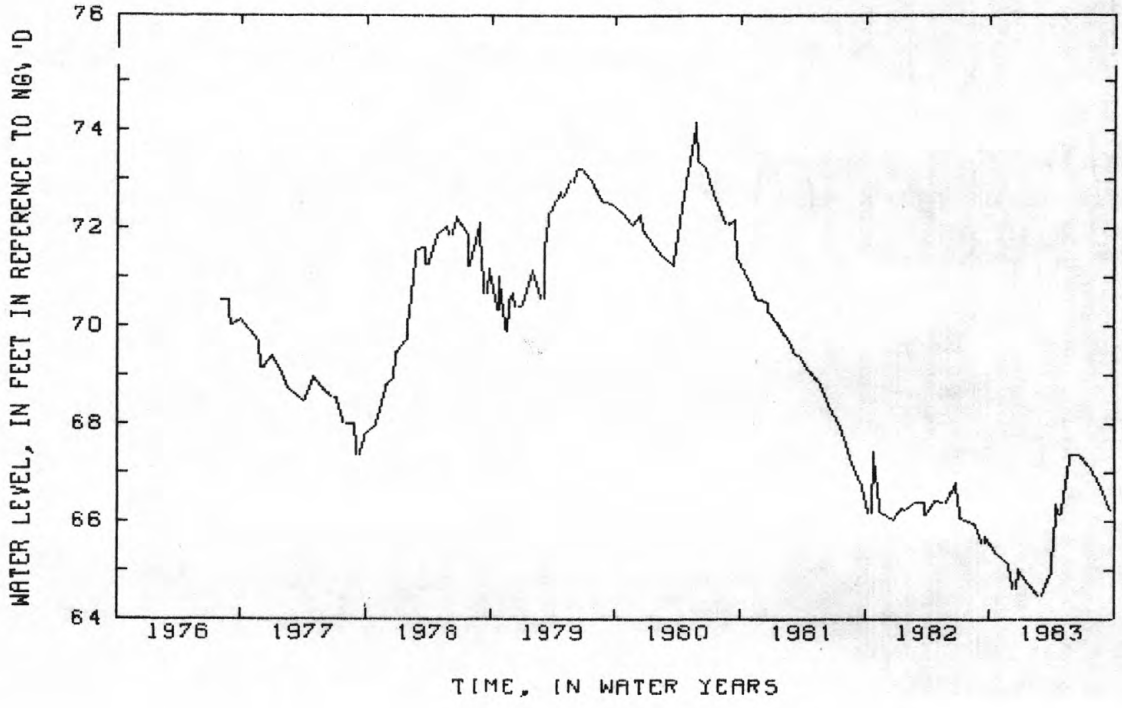


404535073370002. Local number, N 8269-2.
Location.--Lat 40°45'35", long 73°37'00, Hydrologic Unit 02030202, at Hillside Avenue and Bacon Road, Old Westbury. Owner: Nassau County Department of Public Works.
AQUIFER--Magothy (water table).
WELL CHARACTERISTICS.--Driven observation well, diameter 4 in, depth 86 ft, screened 81 to 86 ft.
DATUM.--Land surface datum is 111.7 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.15 ft below land-surface datum.
REMARKS--Prior to April 1967, well was in upper glacial aquifer. Well N 1256.1 was replaced by well N8269.1 in April 1967, which was replaced by well N 8269.2 in June 1976.
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 NGVD, May 20, 1939; lowest measured, 60.83 ft NGVD, Sept. 29, 1971.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	65.33	DEC 21	65.03	MAR 21	64.91	APR 21	66.15	JUN 21	67.37	AUG 22	66.74
NOV 26	65.15	JAN 24	64.72	APR 12	66.38 G	MAY 23	67.38	JUL 25	67.11	SEP 20	66.24
DEC 14	64.59 G	FEB 25	64.46								

G MEASUREMENT BY ANOTHER AGENCY



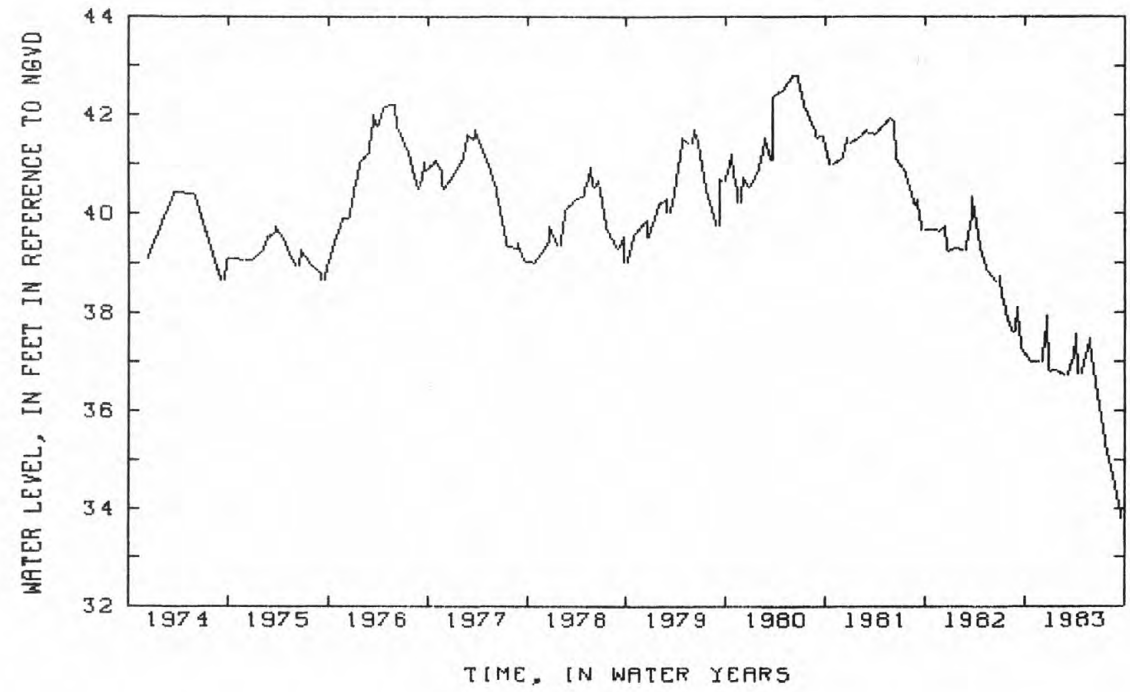
NASSAU COUNTY--Continued

404742073410301. Local number, N 8309.1
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 (water table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in, depth 199 ft, screened 194 to 199 ft.
DATUM.--Land-surface datum is 143.2 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.15 ft below land-surface datum.
REMARKS.--Replaced well N 1121.2 in March 1967 at same location.
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 NGVD, June 20, 1980; lowest measured, 33.53 ft NGVD, Sept. 23, 1968.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	37.00	JAN 4	36.80	MAR 21	37.05	APR 21	36.75	JUN 21	36.45	AUG 22	34.58
NOV 26	36.98	24	36.83	APR 5	37.57 G	MAY 23	37.47	JUL 25	35.25	SEP 20	33.77
DEC 20	37.93 G	FEB 25	36.70								

G MEASUREMENT BY ANOTHER AGENCY

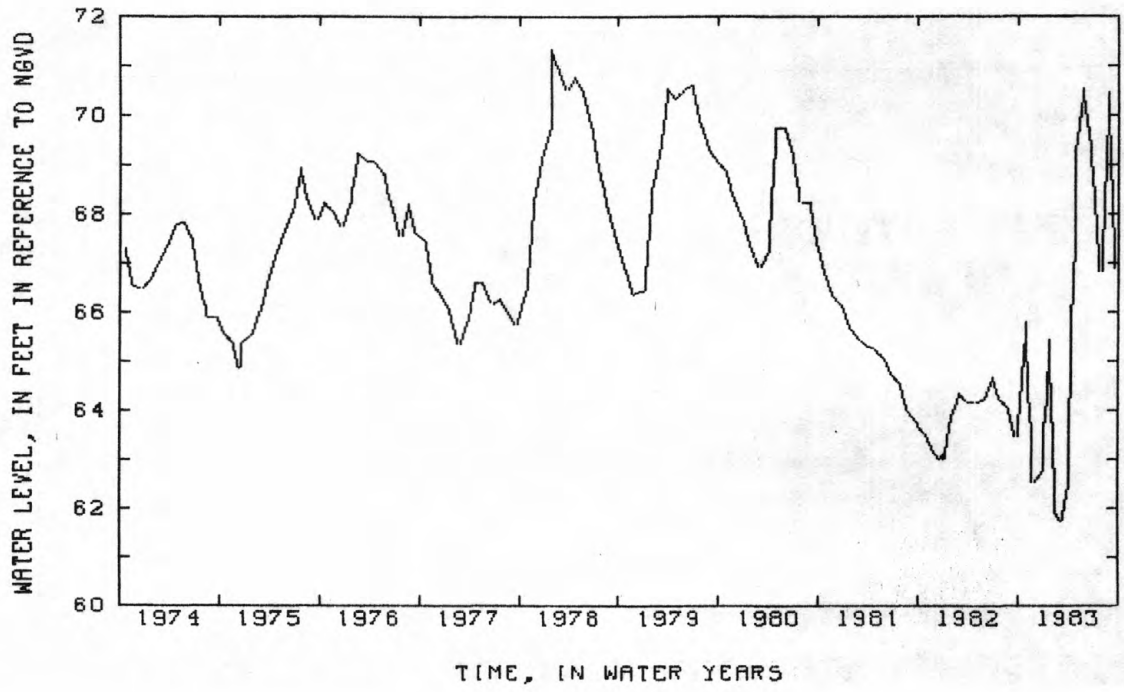


NASSAU COUNTY--Continued

404404073325601. Local number, N 8959.1
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 (water table).
WELL CHARACTERISTICS. --Drilled observation well, diameter 2 in, depth 49 ft, screened 44 to 49 ft.
DATUM. --Land-surface datum is 100.3 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of reducer, 2.87 ft 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 NGVD, Jan. 27, 1978; lowest measured, 61.74 ft NGVD, Mar. 5, & 7, 1983.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	65.79	JAN 26	65.43	MAR 7	61.74	APR 27	69.36	JUN 23	69.48	AUG 26	70.46
NOV 24	62.50	FEB 24	61.86	25	62.37	MAY 25	70.52	JUL 25	66.81	SEP 26	66.87
DEC 27	62.74	MAR 5	61.74								



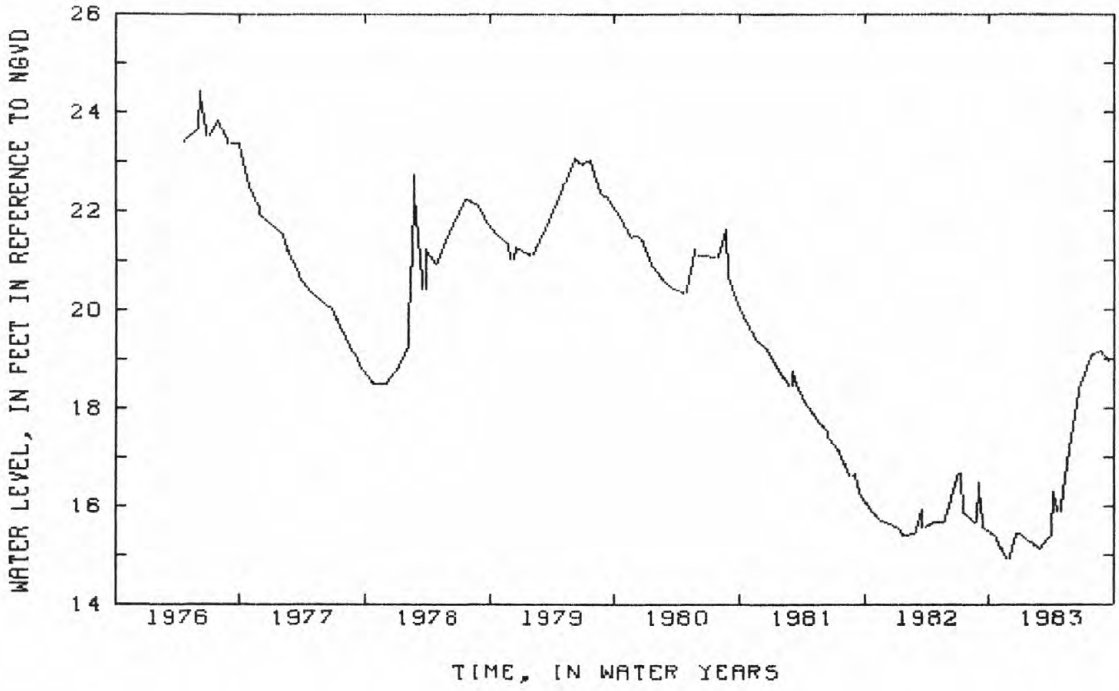
NASSAU COUNTY--Continued

404757073440402. Local number, N 9099.1
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 (water table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in, depth 71 ft, screened 66 to 71 ft.
DATUM.--Land-surface datum is 59.7 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.07 ft below land-surface datum.
REMARKS.--Replaced well N 1479.1 in February 1976. 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 NGVD, June 15, 1949; lowest measured, 14.90 ft above NGVD, Nov. 26, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	15.37	JAN 4	15.40	MAR 23	15.37	APR 21	15.87	JUN 21	18.43	AUG 22	19.18
NOV 26	14.90	24	15.29	APR 6	16.30 G	MAY 23	17.28	JUL 25	19.08	SEP 20	18.93
DEC 17	15.44 G	FEB 25	15.13								

G MEASUREMENT BY ANOTHER AGENCY

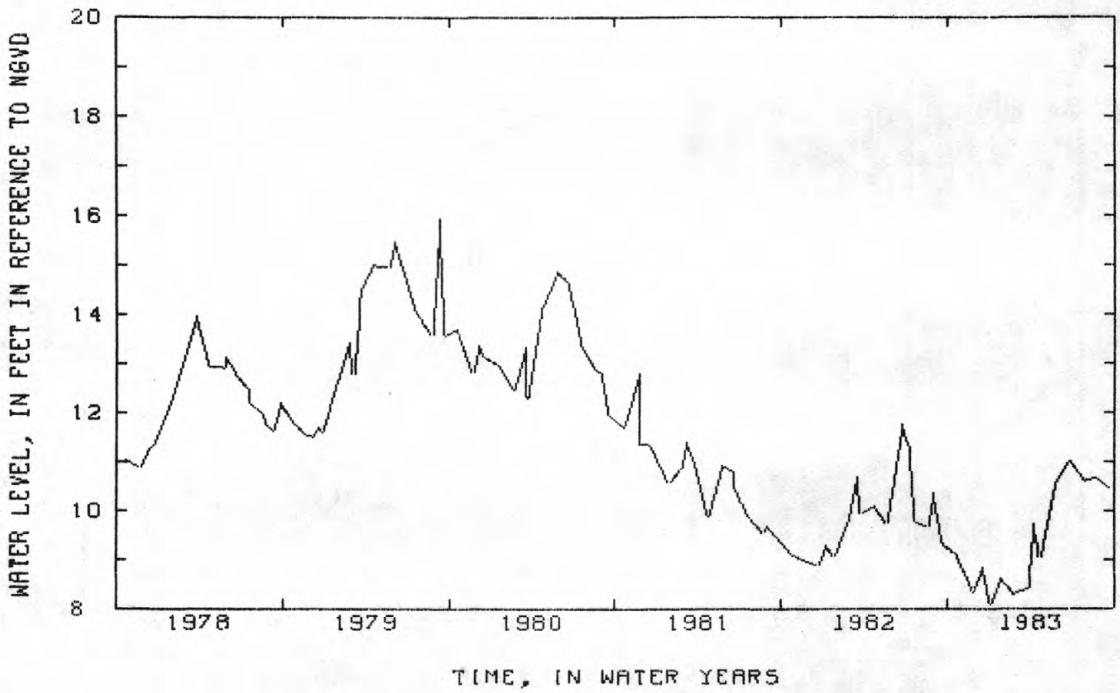


404112073421003. Local number, N 9309.1
LOCATION.--Lat 40°41'12", long 73°42'10", Hydrologic Unit 02030202, at Dutch Broadway and Fletcher Avenue, Elmont. Owner: Nassau County Department of Public Works.
AQUIFER.--Upper Glacial (water table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in, depth 59 ft, screened 54 to 59 ft.
DATUM.--Land-surface datum is 42.7 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.64 ft below land-surface datum.
REMARKS.--Replaced well N 1109.2 in October 1977 at same location.
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 NGVD, Apr. 21, 1939; lowest measured, 8.10 ft NGVD, Jan. 5, 1983.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	9.11	JAN 5	8.10	MAR 23	8.40	APR 21	9.04	JUN 21	11.02	AUG 22	10.66
NOV 26	8.33	24	8.59	APR 6	9.74 G	MAY 23	10.56	JUL 25	10.61	SEP 20	10.43
DEC 17	8.84 G	FEB 25	8.31								

G MEASUREMENT BY ANOTHER AGENCY



404338073371502. Local number, N 10035.1
LOCATION.--Lat 40°43'38", long 73°37'15", Hydrologic Unit 02030202, at Clinton Road and Commercial Avenue, Garden City. Owner: Nassau County Department of Public Works.
AQUIFER.--Upper Glacial (water table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in, depth 56 ft, screened 48 to 53 ft.
DATUM.--Land-surface datum is 77.6 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling 0.38 ft below land-surface datum.
REMARKS.--Replaced well N 1255.2 in October 1982.
PERIOD OF RECORD.--October 1982 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 65.59 ft NGVD, Apr. 15, 1939; lowest measured, 47.29 ft NGVD, Jan. 24, 1983.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	48.76	JAN 24	47.29	MAR 31	48.43	APR 21	50.22	JUL 25	50.52	AUG 31	49.78
NOV 26	48.95	FEB 25	47.58	APR 12	50.09 G	MAY 23	51.64	AUG 24	49.89	SEP 20	48.72
DEC 21	47.89	MAR 23	47.93	14	49.33	JUN 21	51.12	25	49.87		

G MEASUREMENT BY ANOTHER AGENCY

QUEENS COUNTY

404451073475001. Local number, Q 283.1
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 (confined).
WELL CHARACTERISTICS.--Drilled unused well, diameter 26 in, depth 409 ft, screened 309 to 352,367 to 409 ft.
DATUM.--Land-surface datum is 27.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of iron plate, 0.37 ft above land-surface datum.
PERIOD OF RECORD.--June 1946 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.13 ft NGVD, Mar. 28, 1961; lowest measured, -27.40 ft NGVD, Sept. 14, 1976.

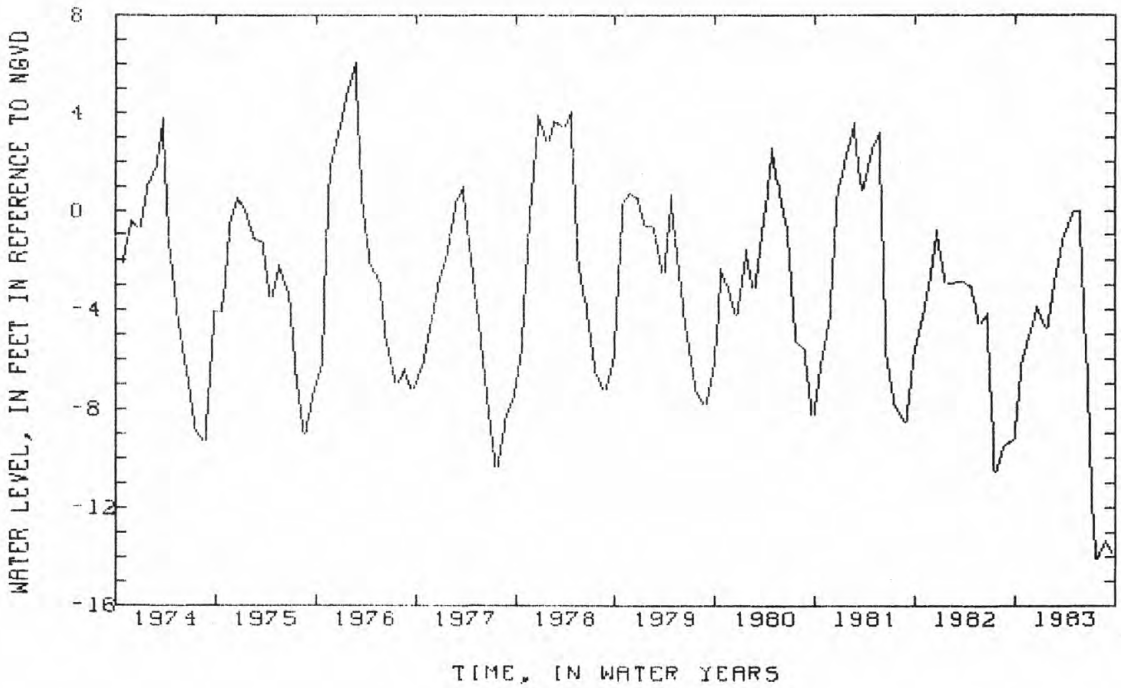
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	-12.65	DEC 20	-12.42	JAN 6	-11.40	MAR 22	-11.59	JUN 28	-9.73	SEP 26	-12.63

40441807344101. Local number, Q 577.1
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 (confined).
WELL CHARACTERISTICS.--Drilled observation well, diameter 12 in, depth 644 ft, screen assumed at bottom.
DATUM.--Land-surface datum is 113.1 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.45 ft 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 NGVD, Mar. 13, 1959; lowest measured, -19.74 ft NGVD, Jul. 27, 1954.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	-6.14	DEC 20	-3.88	FEB 22	-2.76	APR 22	-0.08	JUN 20	-6.20	AUG 22	-13.36
NOV 22	-4.97	JAN 21	-4.71	MAR 21	-1.14	MAY 20	0.03	JUL 21	-14.10	SEP 21	-13.84

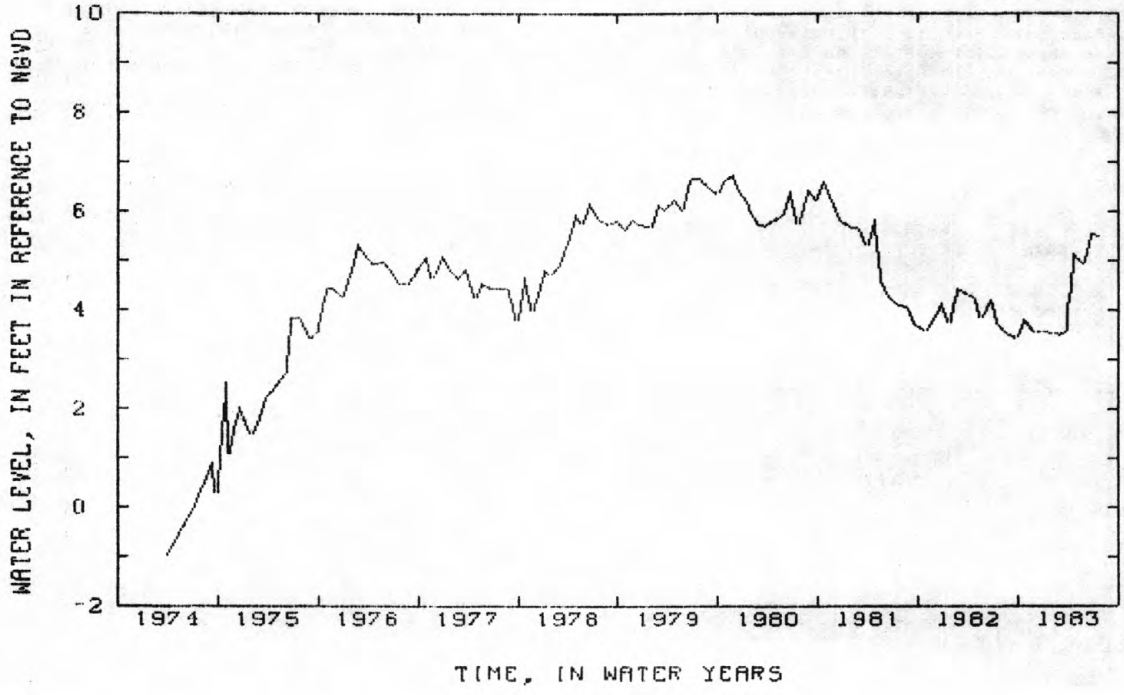


QUEENS COUNTY--Continued

404113073501101. Local number, Q 1254.1
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 (water table).
WELL CHARACTERISTICS.--Driven observation well, diameter 1.5 in, depth 65 ft, screened 63 to 65 ft.
DATUM.--Land-surface datum is 56.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 10.46 ft 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 NGVD, Nov. 23, 1979; lowest measured, -11.29 ft NGVD, Sept. 2, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

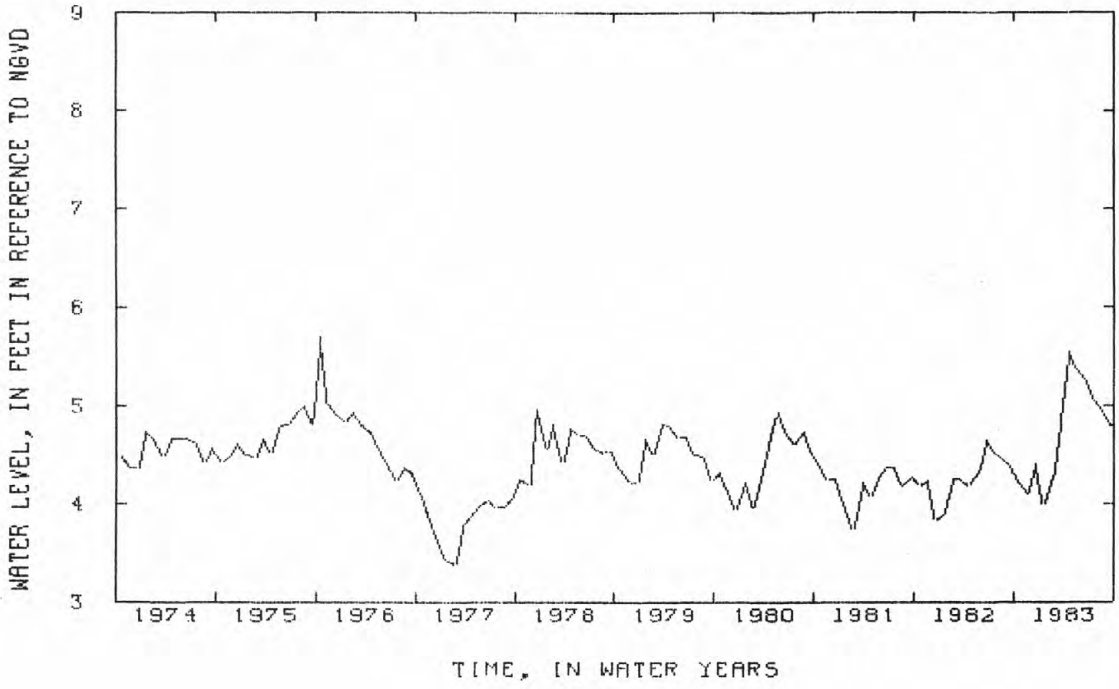
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	3.80	JAN 4	3.57	FEB 25	3.50	APR 21	5.14	JUN 21	5.54	JUL 25	5.47
DEC 6	3.54	24	3.54	MAR 22	3.56	MAY 23	4.95				



404656073503701. Local number, Q 1373.1
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 (confined).
WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in, depth 262 ft, screened 194 to 206 ft.
DATUM.--Land-surface datum is 50.3 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 1.06 ft 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 NGVD, Jan. 10, 1973; lowest measured, -2.80 ft NGVD, Feb. 7, 1962.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	4.20	DEC 20	4.40	FEB 20	4.29	APR 19	5.55	JUN 20	5.25	AUG 20	4.95
NOV 19	4.10	JAN 19	3.98	MAR 20	4.92	MAY 19	5.37	JUL 20	5.05	SEP 20	4.78



403957073495002. Local number, Q 2324.1
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 (water table).
WELL CHARACTERISTICS.--Driven observation well, diameter 2.5 in, depth 91 ft, screen assumed at bottom.
DATUM.--Land-surface datum is 22.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, .04 ft 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 NGVD, Sept. 24, 1980; lowest measured, -3.40 ft NGVD, May 25, 1959.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

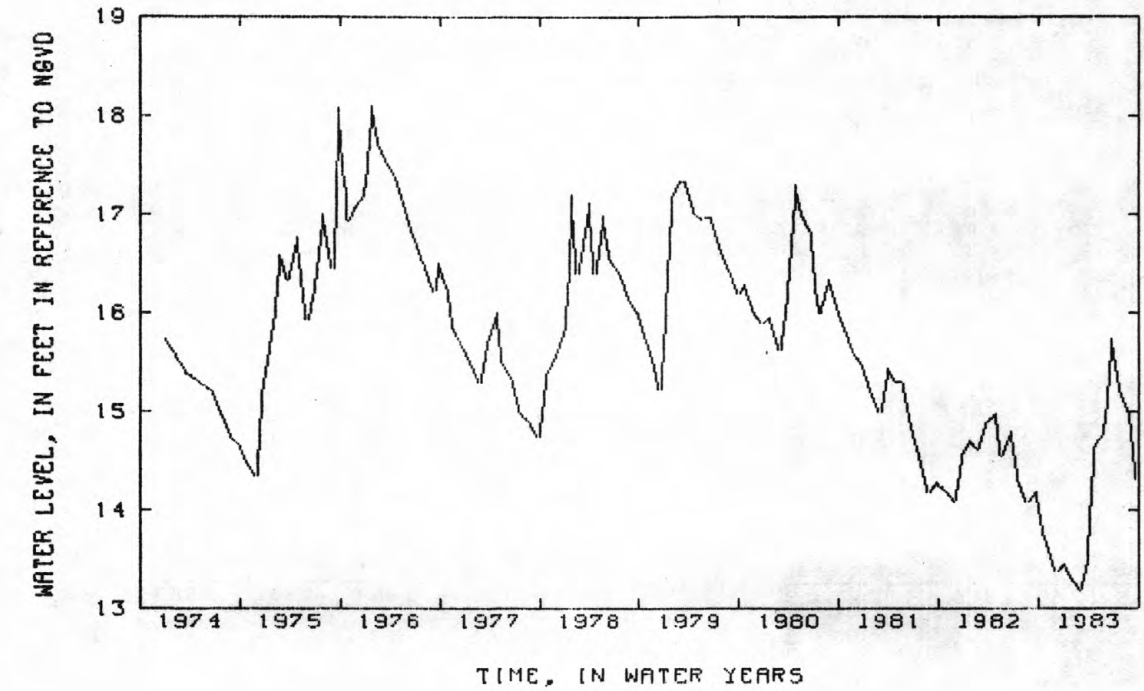
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	2.31	DEC 20	2.04	MAR 23	2.98	JUN 28	3.19	SEP 26	2.69		

QUEENS COUNTY--Continued

404451073475002. Local number, Q 2346.1
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 (water table).
WELL CHARACTERISTICS.--Driven observation well, diameter 1.25 in, depth 17.0 ft, screen assumed at bottom.
DATUM.--Land-surface datum is 29.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.98 ft 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 NGVD, Apr. 26, 1961; lowest 13.18 ft NGVD, Feb. 25, 1983.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	13.73	JAN 4	13.45	FEB 25	13.18	APR 21	14.64	JUN 21	15.74	AUG 22	14.98
DEC 6	13.37	24	13.33	MAR 22	13.43	MAY 23	14.78	JUL 25	15.18	SEP 20	14.30

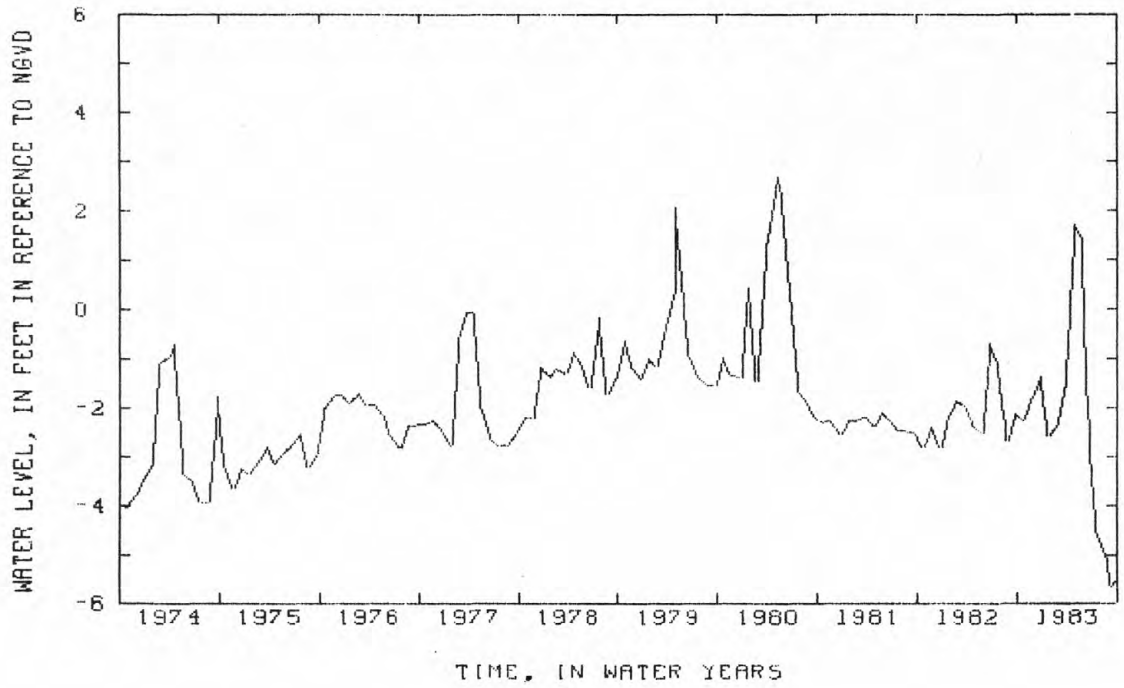


QUEENS COUNTY--Continued

404025073463801. Local number, Q 2422.1
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 (confined).
WELL CHARACTERISTICS.--Drilled observation well, diameter 8 in, depth 370 ft, screened 342 to 362 ft.
DATUM.--Land-surface datum is 21.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of nipple, 1.21 ft 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 NGVD, May 6, 1980; lowest measured, -5.65 ft NGVD, Sep. 7, 1970, & Sep. 9 & 11, 1983.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	-2.27	JAN 21	-2.61	APR 22	1.69	JUN 20	-2.71	AUG 23	-5.07	SEP 11	-5.65
NOV 22	-1.83	FEB 23	-2.35	MAY 23	1.45	JUL 21	-4.58	SEP 9	-5.65	21	-5.57
DEC 21	-1.37	MAR 22	-1.60								



QUEENS COUNTY--Continued

404654073465901. Local number, Q 3119.1
LOCATION.--Lat 40°46'54", long 73°46'59", Hydrologic Unit 02030201, at 18th Avenue and 211th Street, Bayside, Queens, Owner: U.S. Geological Survey.
AQUIFER.--Upper Glacial (water table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 40 ft, screened 37 to 40 ft.
DATUM.--Land-surface datum is 38 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.21 ft above land-surface datum.
REMARKS.--Water-quality records are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--September 1980 to current year. Unpublished records for September 1980 to September 1982 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.35 ft NGVD, Sept. 26, 1983; lowest measured, 18.06 ft NGVD, Oct. 4, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	18.06	DEC 20	18.58	MAR 22	18.87	JUN 28	20.08	SEP 26	21.35		

404631073543901. Local number, Q 3121.1
LOCATION.--Lat 40°46'31", long 73°54'39", Hydrologic Unit 02030201, at 24th Avenue and 32nd Street, Astoria, Queens. Owner: U.S. Geological Survey.
AQUIFER.--Upper Glacial (water table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 47 ft, screened 44 to 47 ft.
DATUM.--Land-surface datum is 5.05 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling 0.14 ft above land-surface datum.
REMARKS.--Water-quality records are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--September 1980 to current year. Unpublished records for September 1980 to September 1982 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.88 ft NGVD, Dec. 22, 1980; lowest measured, 22.84 ft NGVD, Oct. 4, 1982.

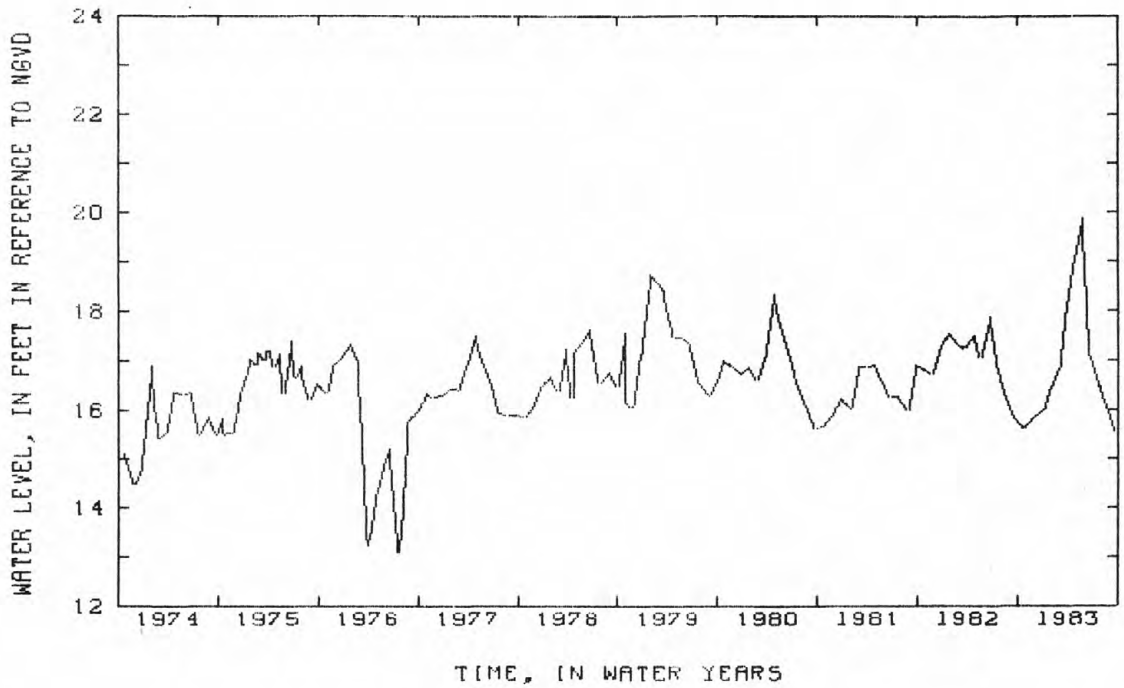
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	22.84	DEC 20	23.04	MAR 22	22.99	JUN 28	23.64	SEP 26	24.47		

404213073201001. Local number, S 1803.1
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 (water-table).
WELL CHARACTERISTICS.--Driven observation well, diameter 1.25 in, depth 19 ft, screened 16 to 19 ft.
DATUM.--Land-surface datum is 23.7 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.08 ft 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, 19.87 ft NGVD, May 23, 1983; lowest measured, 13.06 ft NGVD, July 26, 1976.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	15.60	DEC 30	16.01	FEB 25	16.84	APR 21	18.93	JUN 21	17.07	AUG 22	16.00
NOV 26	15.84	JAN 24	16.39	MAR 21	17.93	MAY 23	19.87	JUL 25	16.43	SEP 20	15.55

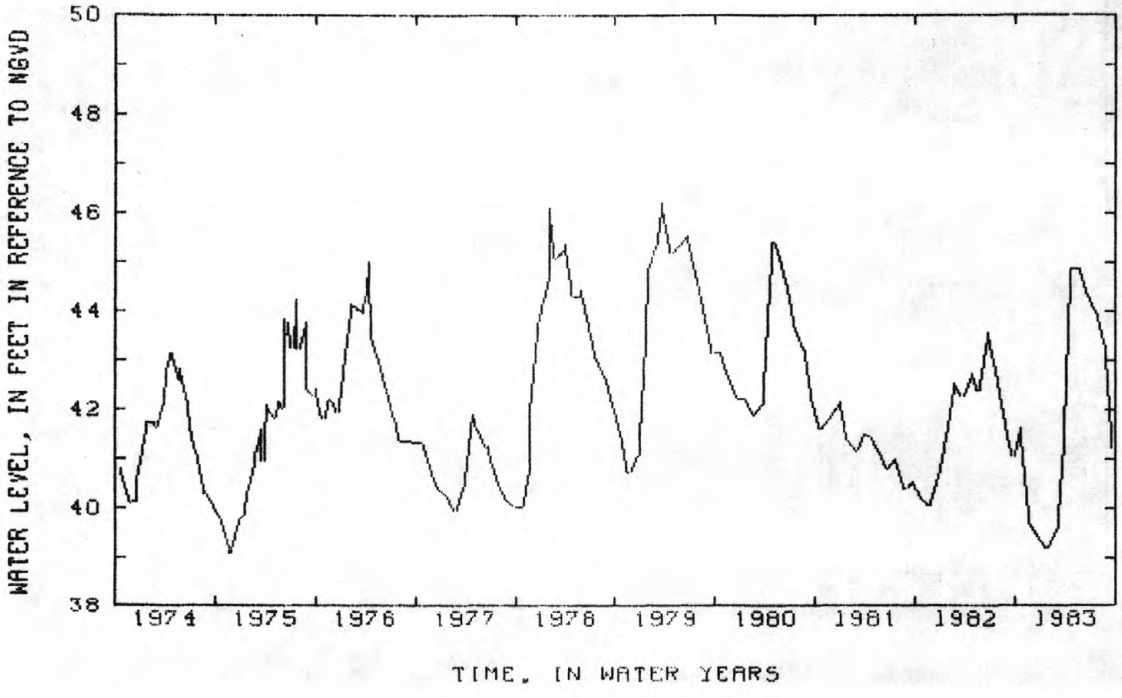


SUFFOLK COUNTY--Continued

404301073240904. Local number, S 1805.1.
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 (water-table).
WELL CHARACTERISTICS.--Driven observation well, diameter 2 in, depth 33 ft, screen assumed at bottom.
DATUM.--Land-surface datum is 58.2 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.22 ft above land-surface datum.
REMARKS.--Replaced S 1805.1 in August 1941 at same location.
PERIOD OF RECORD.--October 1912 to current year. Unpublished records for October 1912 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 NGVD, Apr. 28, 1953; lowest measured, 35.79 ft NGVD, Dec. 28, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	41.62	DEC 30	39.35	FEB 25	39.56	APR 21	44.87	JUN 21	44.34	AUG 22	43.29
NOV 26	39.68	JAN 24	39.18	MAR 21	41.07	MAY 23	44.86	JUL 25	43.92	SEP 20	41.19

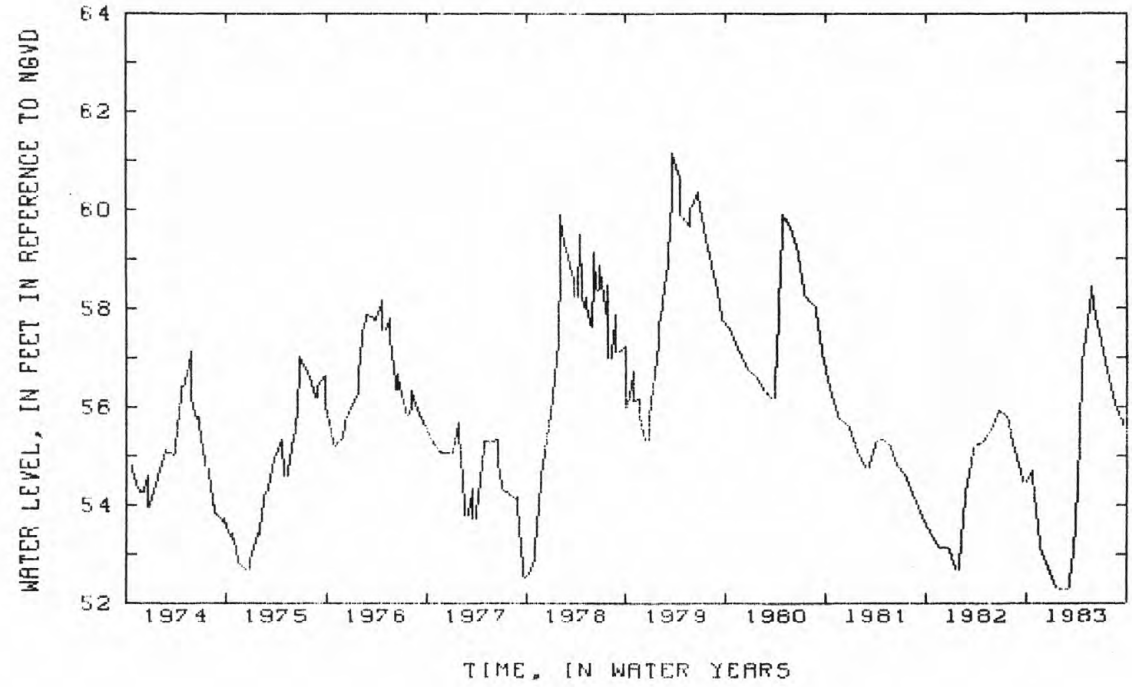


SUFFOLK COUNTY--Continued

404442073240501. Local number, S 1806.1
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 (water-table).
WELL CHARACTERISTICS.--Driven observation well, diameter 1.25 in, depth 44 ft, screened 41 to 44 ft.
DATUM.--Land-surface datum is 85.7 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.19 ft 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 NGVD, Apr. 29, 1939; lowest measured, 46.97 ft NGVD, Jan. 25, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	54.71	JAN 3	52.56	FEB 25	52.31	APR 21	57.01	JUN 21	57.57	AUG 22	56.01
NOV 26	53.07	24	52.31	MAR 21	53.21	MAY 23	58.43	JUL 25	56.62	SEP 20	55.61

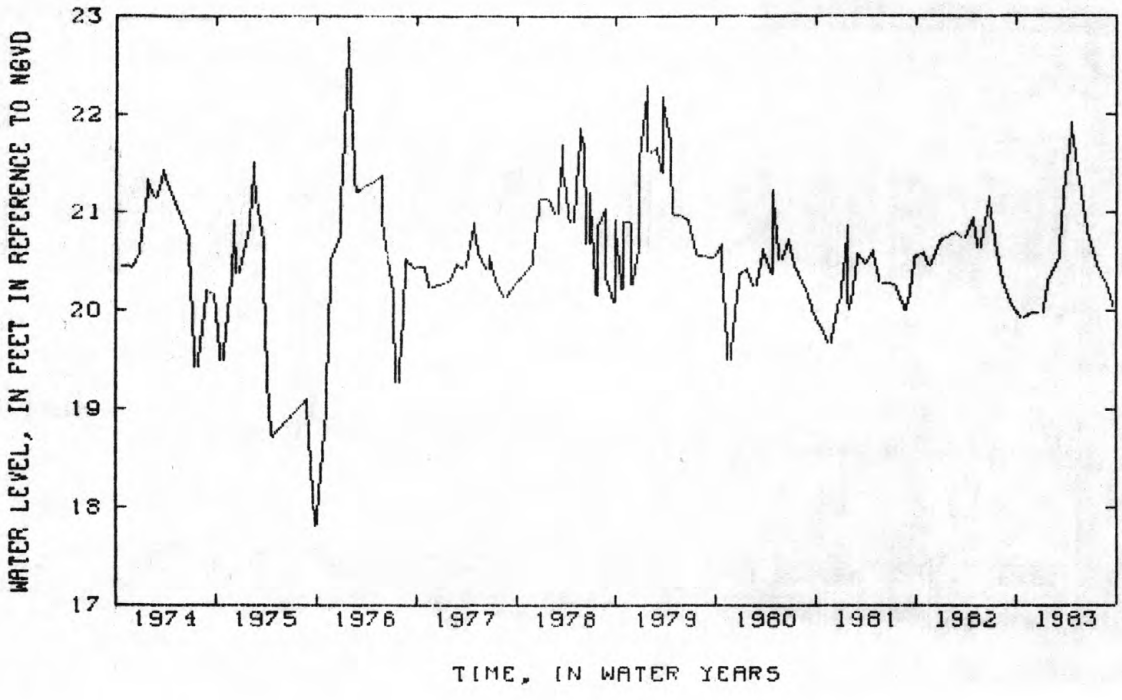


SUFFOLK COUNTY--Continued

404319073184605. Local number, S 1807.1.
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 (water-table).
WELL CHARACTERISTICS.--Driven observation well, diameter 1.25 in, depth 21 ft, screen assumed at bottom.
DATUM.--Land-surface datum is 23.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.21 ft above land-surface datum.
REMARKS.--Water-quality records for 1972-73 are available in files of Long Island Sub-district office. Replaced well S 1807.4 in July 1976 at same location.
PERIOD OF RECORD.--October 1912 to current year. Unpublished records for October 1912 to November 1914, August 1932 to June 1933, and 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 NGVD, Sept. 30, 1938; lowest measured, 17.27 ft NGVD, July 23, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

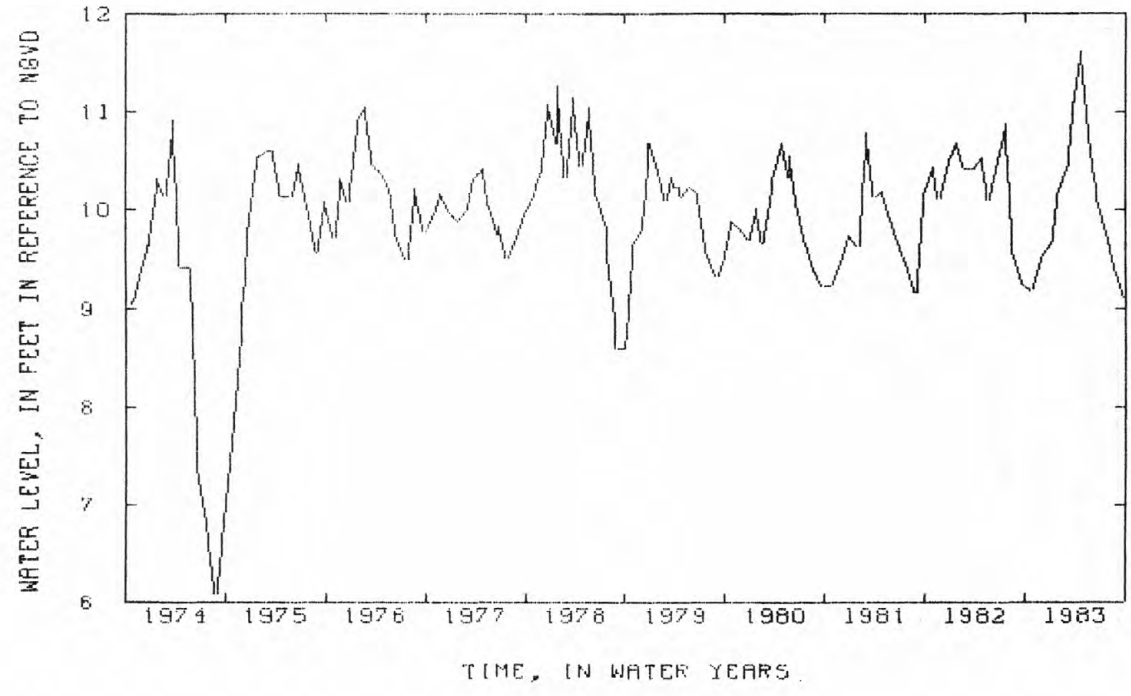
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	19.92	DEC 30	19.97	FEB 25	20.51	APR 21	21.91	JUN 21	20.76	AUG 22	20.29
NOV 26	19.99	JAN 24	20.31	MAR 21	21.26	MAY 23	21.23	JUL 25	20.44	SEP 20	20.04



404221073164805. Local number, S 1808.1.
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 (water-table).
WELL CHARACTERISTICS.--Driven observation well, diameter 1.25 in, depth 11 ft, screen assumed at bottom.
DATUM.--Land-surface datum is 13.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.32 ft above land-surface datum.
REMARKS.--Replaced well S 1808.4 in October 1967 at same location.
PERIOD OF RECORD.--October 1912 to current year. Unpublished records for October 1912 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 NGVD, Feb. 23, 1949; lowest measured, 6.08 ft NGVD, Aug. 27, 1974.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	9.18	DEC 30	9.67	FEB 25	10.43	APR 21	11.61	JUN 21	10.06	AUG 22	9.37
NOV 26	9.52	JAN 24	10.17	MAR 21	11.09	MAY 23	10.66	JUL 25	9.72	SEP 20	9.12

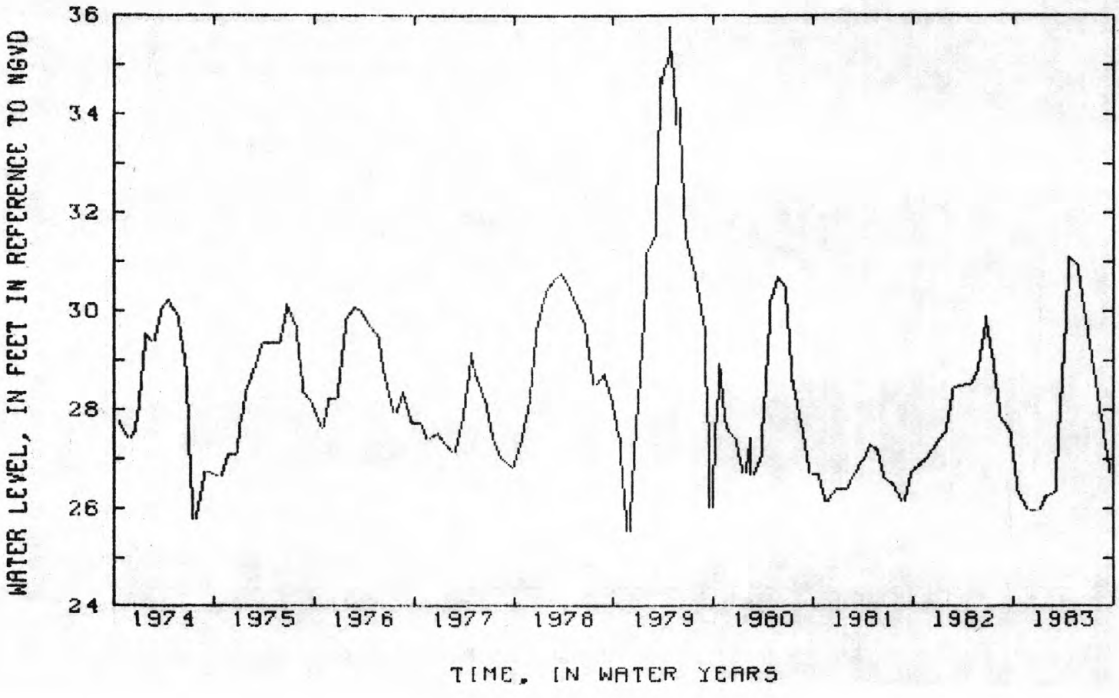


SUFFOLK COUNTY--Continued

404351073164903. Local number, S 1809.1.
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 (water-table).
WELL CHARACTERISTICS.--Driven observation well, diameter 1.2 in, depth 29 ft, screened 26 to 29 ft.
DATUM.--Land-surface datum is 42.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.40 ft above land-surface datum.
REMARKS.--Replaced well S 1809.3 in March 1981 at same location.
PERIOD OF RECORD.--October 1912 to current year. Unpublished records for October 1912 to November 1914, and 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 NGVD, Apr. 26, 1979; lowest measured, 25.00 ft NGVD, Nov. 2, 1932.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	26.34	DEC 30	25.96	FEB 25	26.35	APR 21	31.11	JUN 22	29.93	AUG 22	27.65
NOV 26	25.97	JAN 24	26.25	MAR 21	28.35	MAY 23	30.93	JUL 25	28.71	SEP 20	26.71

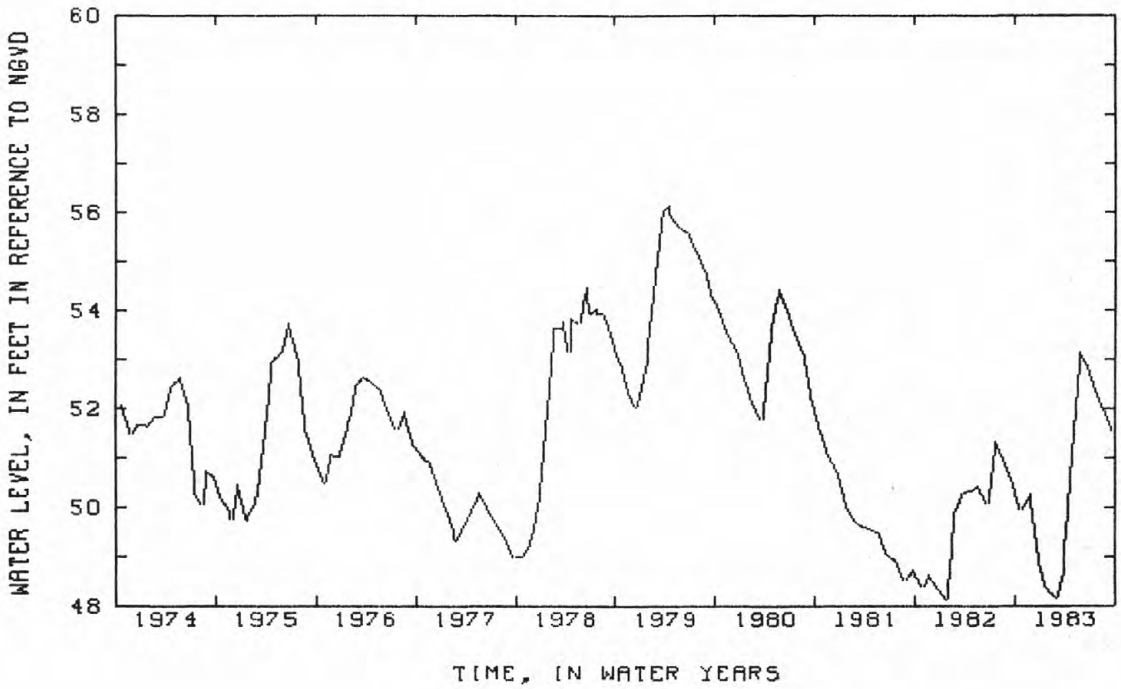


SUFFOLK COUNTY--Continued

404614073164403. Local number, S 1810.1.
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 (water-table).
WELL CHARACTERISTICS.--Augered observation well, diameter 2 in, depth 55 ft, screened 52 to 55 ft.
DATUM.--Land-surface datum is 90.8 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.15 ft below land-surface datum.
REMARKS.--Replaced well S 1810.2 in November 1975.
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 NGVD, Apr. 29, 1939; lowest measured, 43.30 ft NGVD, Feb. 27, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	49.95	JAN 3	48.79	FEB 25	48.18	APR 21	50.80	JUN 21	52.87	AUG 22	51.95
NOV 26	50.27	24	48.38	MAR 21	48.60	MAY 23	53.15	JUL 25	52.29	SEP 20	51.52



404957073401. Local number, S 1811.1
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 (water-table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 21.5 ft, screen assumed at bottom.
DATUM.--Land-surface datum is 58.15 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.08 ft above land-surface datum.
REMARKS.--Water-quality records are available in files of Long Island Sub-district office. Replaced well S 1811.3 in November 1980 at same location.
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 59.20 ft NGVD, June 6, 1979, lowest measured, 50.63 ft NGVD, Dec. 28, 1966.

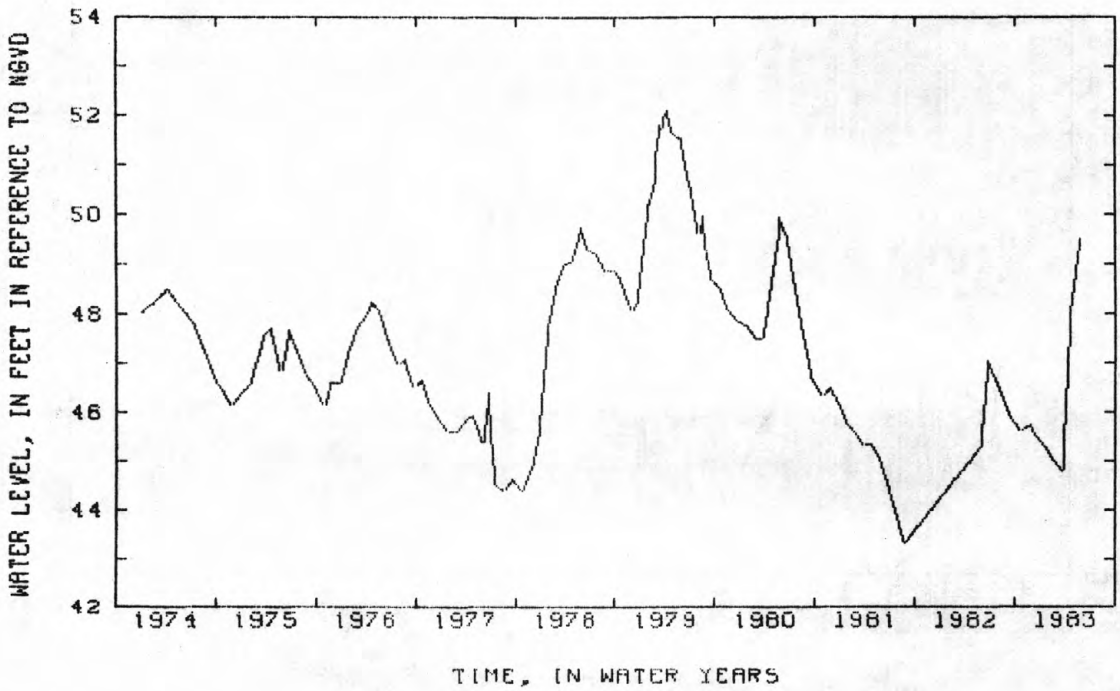
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 29	53.66	MAR 16	54.23	JUN 14	57.23						

404959073084902. Local number, S 1812.1.
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 (water-table).
WELL CHARACTERISTICS.--Driven observation well, diameter 1.25 in, depth 44 ft, screen assumed at bottom.
DATUM.--Land-surface datum is 69.9 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.49 ft below land-surface datum.
REMARKS.--Replaced well S 1812.2 in May 1982 at same location.
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 NGVD, Apr. 10, 1979; lowest measured, 40.09 ft NGVD, Feb. 27 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	45.60	DEC 20	45.50	FEB 24	45.00	MAR 21	44.81	APR 21	48.14	MAY 23	49.50
NOV 24	45.73	JAN 24	45.27								



404737073112303. Local number, S 1814.3
LOCATION.--Lat 40°47'37", long 73°11'23", Hydrologic Unit 02030202, at Suffolk Avenue and Dovecote Lane, Central Islip. Owner: U.S. Geological Survey.
AQUIFER.--Upper Glacial (water table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 54 ft, screened 51 to 54 ft.
DATUM.--Land-surface datum is 63.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.35 ft below land-surface datum.
REMARKS.--Replaced well S1814.3 in May 1982.
PERIOD OF RECORD.--September 1982 to current year. Unpublished records for September 1982 to September 1983 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 40.30 ft NGVD, June 14, 1983; lowest measured, 32.61 ft NGVD, Feb. 27, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

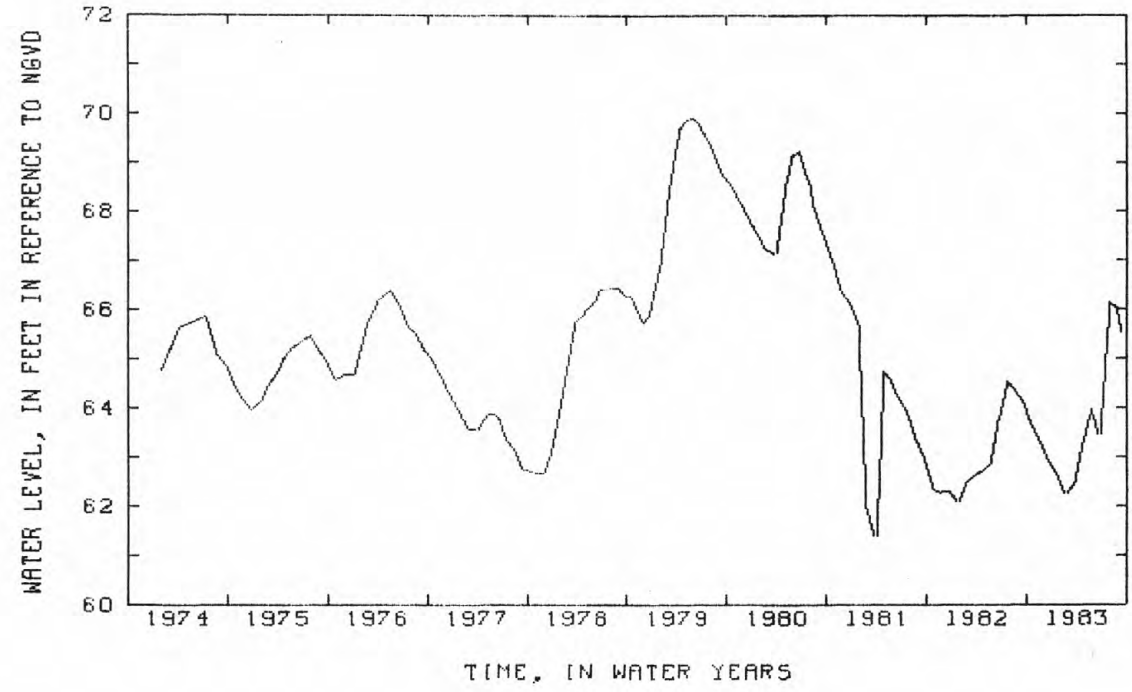
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 28	36.21	MAR 16	36.81	JUN 14	40.30	SEP 19	38.15				

SUFFOLK COUNTY--Continued

405146070318O1. Local number, S 3513.1
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 (water table).
WELL CHARACTERISTICS.--Drilled unused well, diameter 8 in, depth 65 ft, screened 63 to 65 ft.
DATUM.--Land-surface datum is 101.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of reducer, 1.31 ft above land-surface datum.
PERIOD OF RECORD.--April 1942 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 69.91 ft NGVD, May. 29, 1979; lowest measured, 56.06 ft NGVD, Mar. 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	63.63	DEC 20	62.94	FEB 24	62.24	APR 21	63.28	JUN 20	63.42	AUG 22	66.02
NOV 24	63.23	JAN 24	62.60	MAR 21	62.47	MAY 23	63.98	JUL 26	66.14	SEP 19	65.50

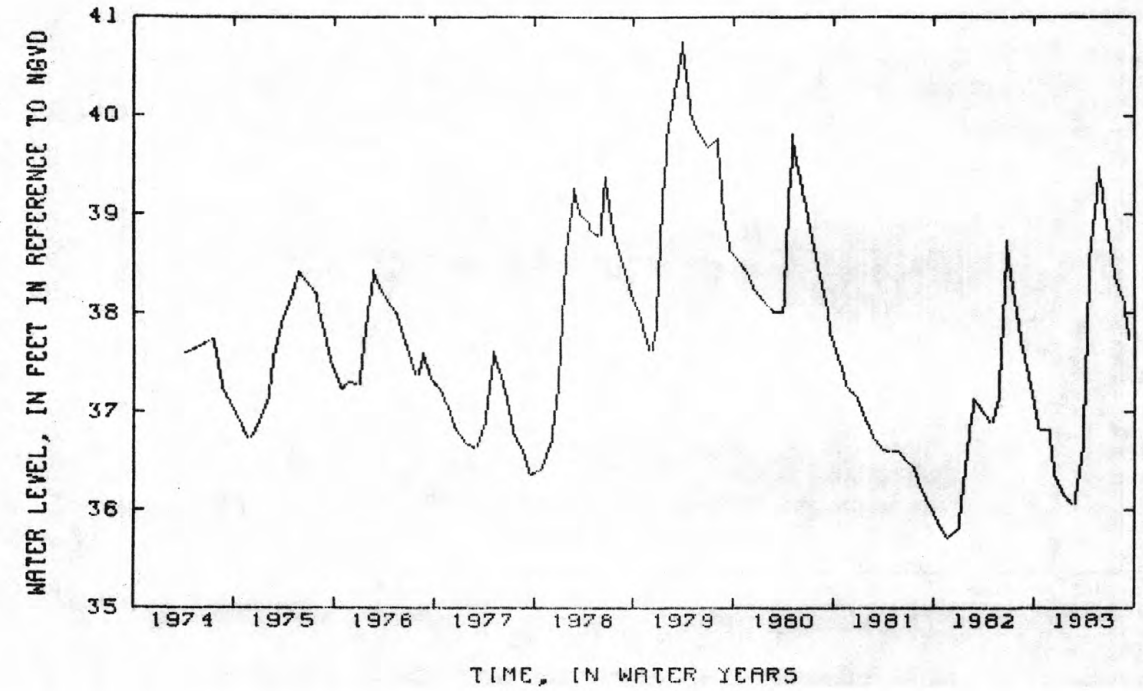


SUFFOLK COUNTY--Continued

404812073004101. Local number, S 3521.1
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 (water table).
WELL CHARACTERISTICS. --Driven observation well, diameter 2 in, depth 50 ft, screen assumed at bottom.
DATUM. --Land-surface datum is 72.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.57 ft 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 NGVD, Mar. 27, 1979; lowest measured, 34.38 ft NGVD, Oct. 26, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	36.82	DEC 20	36.33	FEB 24	36.05	APR 21	38.60	JUN 20	38.95	AUG 22	38.11
NOV 24	36.82	JAN 24	36.13	MAR 21	36.59	MAY 23	39.48	JUL 26	38.34	SEP 19	37.71

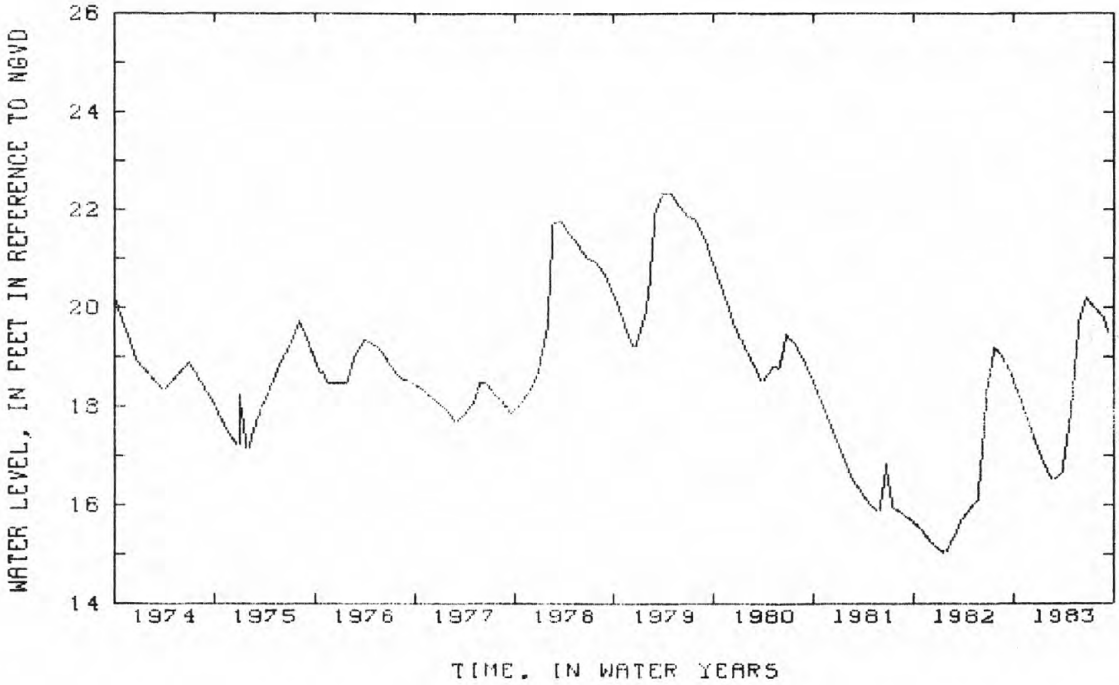


SUFFOLK COUNTY--Continued

405037072390301. Local number, S 3543.1
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 (water table).
WELL CHARACTERISTICS.--Driven observation well, diameter 2 in, depth 58 ft, screened 56 to 58 ft.
DATUM.--Land-surface datum is 64.4 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.04 ft 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 NGVD, Mar. 27, 1979; lowest measured, 15.03 ft NGVD, Jan. 26, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	18.22	JAN 24	16.79	MAR 21	16.64	MAY 23	19.73	JUN 20	20.19	AUG 22	19.80
NOV 24	17.67	FEB 24	16.49	APR 21	17.69	23	19.73	JUL 26	19.98	SEP 19	19.48
DEC 20	17.29										

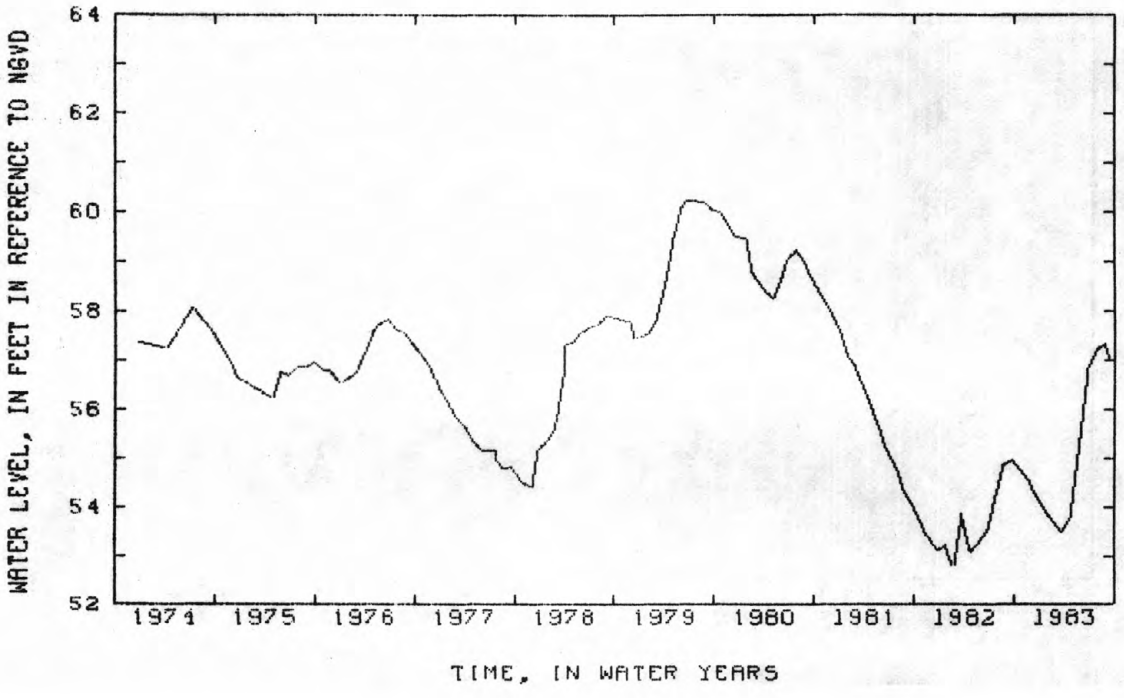


SUFFOLK COUNTY--Continued

405343073055004. Local number, S 3955.1.
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 (water table).
WELL CHARACTERISTICS.--Augered observation well, diameter 2 in, depth 82 ft, screened 80 to 82 ft.
DATUM.--Land-surface datum is 122.8 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.04 ft below land-surface datum.
REMARKS.--Replaced well S 3955.3 in April 1975 at same location.
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 NGVD, June 21, 1979; lowest measured, 48.01 ft NGVD, Mar. 31, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	54.78	DEC 20	54.28	FEB 24	53.69	APR 21	53.76	JUN 21	56.85	AUG 22	57.33
NOV 24	54.52	JAN 24	53.93	MAR 21	53.51	MAY 23	55.40	JUL 27	57.22	SEP 19	56.98

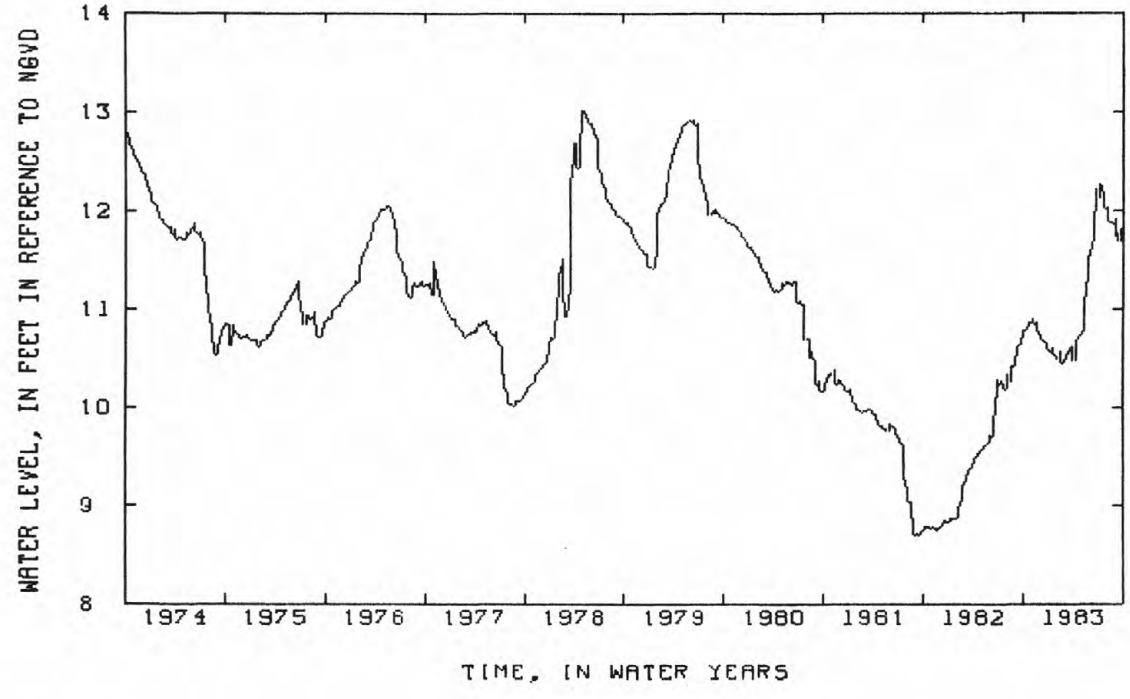


405743072425701. Local number, S 4271.1
LOCATION.--Lat 40°57'43", long 72°42'57", Hydrologic Unit 02030202, at Long Island Research Farm, Sound Avenue, Riverhead. Owner: U.S. Geological Survey.
AQUIFER.--Upper Glacial (water table).
WELL CHARACTERISTICS.-Drilled observation well, diameter 4 in, depth 105 ft, screened 100 to 105 ft.
DATUM.--Land-surface datum is 100.3 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 1.14 ft above land-surface datum.
PERIOD OF RECORD.--August 1945 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.07 ft NGVD, July 23, 30, 1973; lowest measured, 8.16 ft NGVD, Sept. 5, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 2	10.78 G	DEC 5	10.74 G	FEB 7	10.49 G	APR 11	10.69 G	JUN 13	11.98 G	AUG 8	11.89 G
10	10.79 G	13	10.68 G	13	10.56 G	18	10.72 G	19	12.21 G	14	11.88 G
18	10.84 G	19	10.66 G	21	10.45 G	24	10.74 G	27	12.11 G	22	11.87 G
24	10.87 G	27	10.65 G	27	10.48 G	MAY 2	10.77 G	JUL 3	12.27 G	29	11.92 G
NOV 1	10.87 G	JAN 2	10.59 G	MAR 7	10.53 G	9	11.11 G	11	12.25 G	SEP 5	11.73 G
7	10.90 G	9	10.57 G	13	10.56 G	16	11.27 G	17	12.18 G	11	11.76 G
15	10.85 G	16	10.60 G	21	10.60 G	23	11.54 G	25	12.01 G	19	11.68 G
21	10.87 G	24	10.53 G	27	10.61 G	30	11.60 G	AUG 1	12.03 G	25	11.81 G
29	10.76 G	30	10.51 G	APR 4	10.47 G	JUN 6	11.69 G				

G MEASUREMENT BY ANOTHER AGENCY

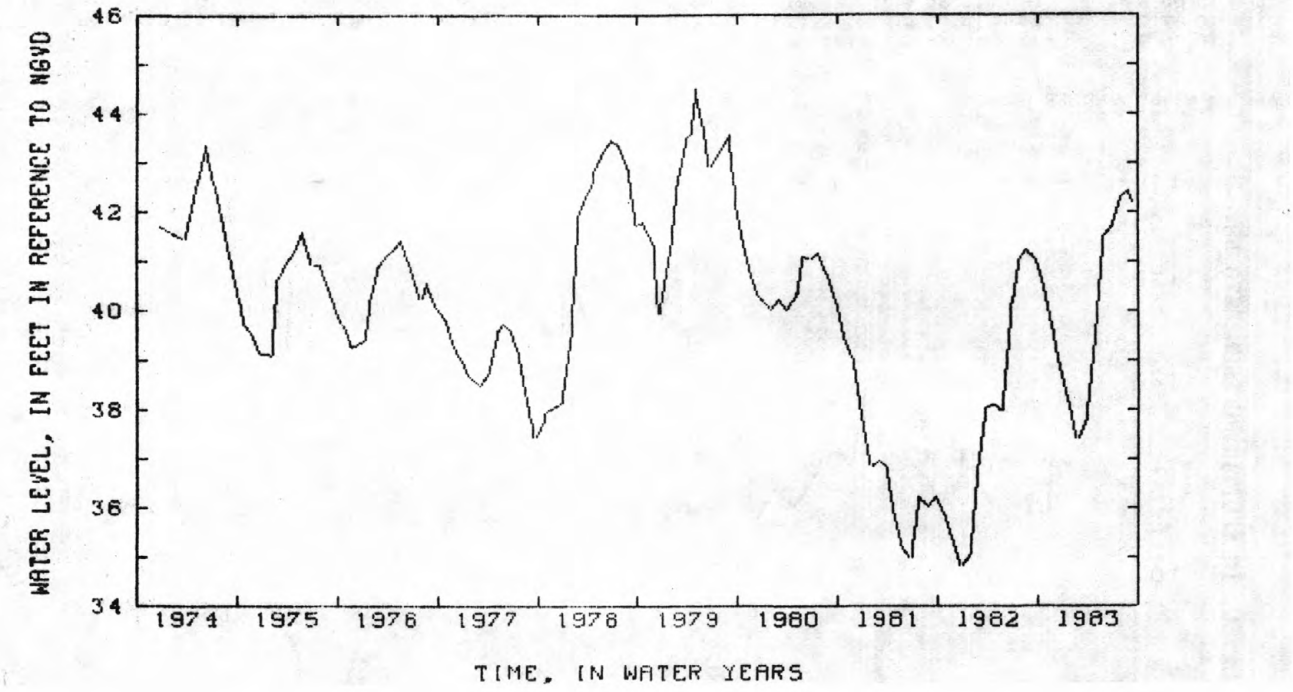


SUFFOLK COUNTY--Continued

405149072532201. Local number, S 5517.1
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 (water table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in, depth 91 ft, screened 85 to 91 ft.
DATUM.--Land-surface datum is 115.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.04 ft above land-surface datum.
PERIOD OF RECORD.--April 1948 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 46.93 ft NGVD, June 25, 1958; lowest measured, 33.34 ft NGVD, Mar. 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

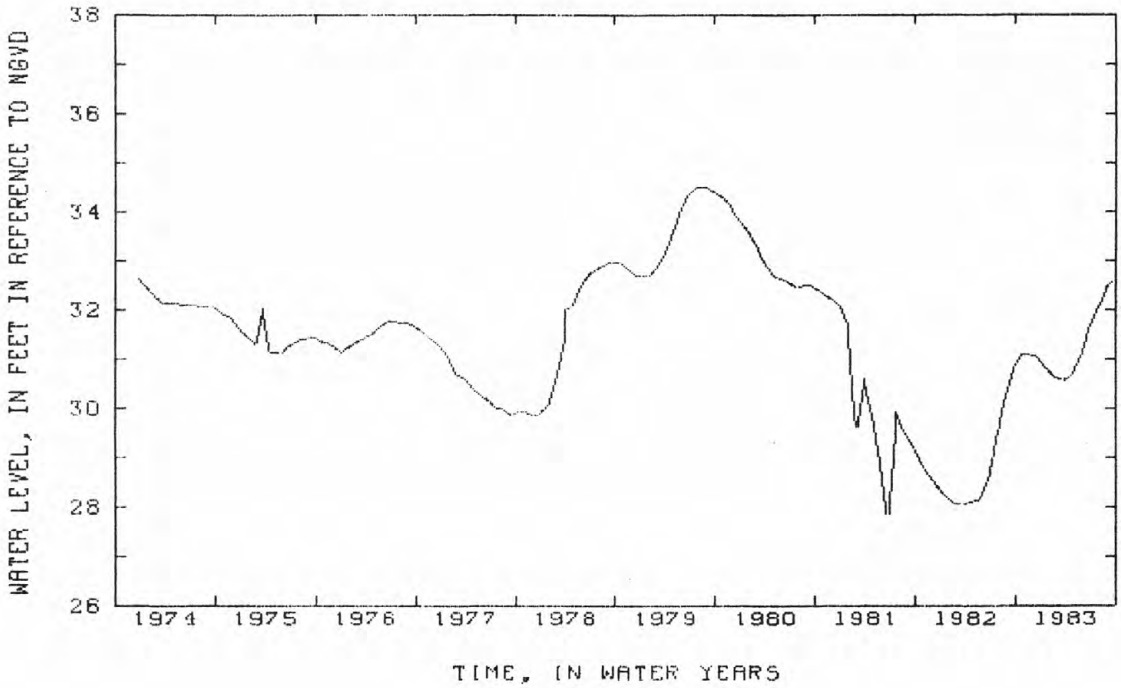
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	40.52	DEC 20	38.95	FEB 24	37.39	APR 21	39.26	JUN 20	41.68	AUG 22	42.43
NOV 24	39.59	JAN 24	38.12	MAR 21	37.78	MAY 23	41.51	JUL 26	42.29	SEP 19	42.18



405650725418O1. Local number, S 6411.1
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 (water table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in, depth 149 ft, screened 143 to 149 ft.
DATUM.--Land-surface datum is 138.4 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.73 ft 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 NGVD, July 26, Aug. 28, 1979; lowest measured, 25.15 ft NGVD, Dec. 28, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	31.11	DEC 20	31.04	FEB 24	30.62	APR 21	30.66	JUN 20	31.62	AUG 22	32.43
NOV 24	31.08	JAN 24	30.81	MAR 21	30.57	MAY 23	31.07	JUL 26	32.07	SEP 19	32.56



405223072523401. Local number, S 6434.1
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 (confined).
WELL CHARACTERISTICS.--Drilled observation well diameter 10 in, depth 1,395 ft, screened 1,312 to 1,392 ft.
DATUM.--Land-surface datum is 85.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in nipple, 2.21 ft 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 NGVD, July 12, 1979; lowest measured, 28.74 ft NGVD, Mar. 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 18	30.82	JUN 15	33.09	SEP 21	31.82						

SUFFOLK COUNTY--Continued

405223072523402. Local number, S 6455.1
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 (confined).
WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in, depth 962 ft, screened 952 to 962 ft.
DATUM.--Land-surface datum is 84.6 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.16 ft 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 NGVD, May 31, 1949; lowest measured, 33.82 ft NGVD, Dec. 27, 1966, Mar. 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

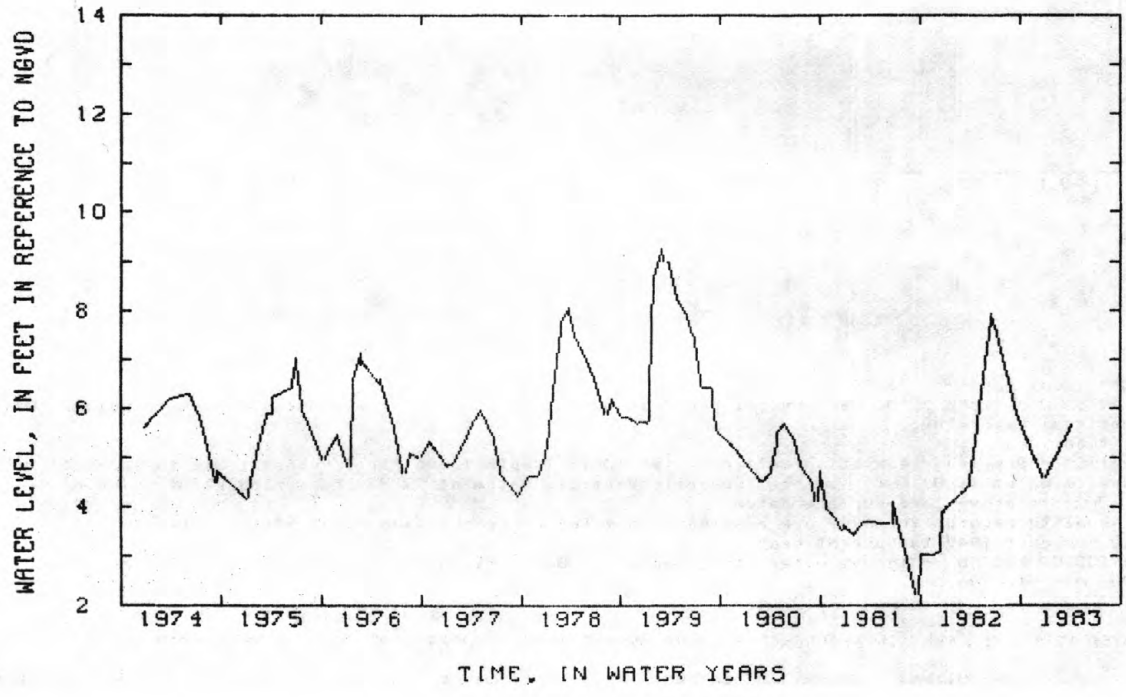
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 12	37.67	MAR 18	37.84	JUN 15	40.39	SEP 21	39.26				

410100072292501. Local number, S 6542.1
LOCATION.--Lat 41°01'00", long 72°29'25", Hydrologic Unit 02030202, at Depot Lane, 0.4 mi north of State Highway 25, Cutchogue. Owner: Cutchogue Fire Department.
AQUIFER.--Upper Glacial (water table).
WELL CHARACTERISTICS.--Drilled fire-protection well, diameter 6 in, depth 36 ft, screen assumed at bottom.
DATUM.--Land-surface datum is 24.4 ft National Geodetic Vertical Datum of 1929. Measuring point: Bottom outside edge of hose connection, 1.79 ft above land-surface datum.
PERIOD OF RECORD.--July 1949 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.28 ft NGVD, Feb. 27, 1979; lowest measured, 2.19 ft NGVD, Sept. 18, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 27	4.56 G	MAR 31	5.66 G								

G MEASUREMENT BY ANOTHER AGENCY



SUFFOLK COUNTY--Continued

405756072173501. Local number, S 8833.1
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 (water table).
WELL CHARACTERISTICS.--Driven observation well, diameter 2 in, depth 13 ft, screened 10 to 13 ft.
DATUM.--Land-surface datum is 20.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.63 ft 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 NGVD, May 26, 1953; lowest measured, 12.84 ft NGVD, Mar. 29, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 13	15.54	MAR 28	16.50	JUN 24	18.14	SEP 26	16.98				

405309072233101. Local number, S 8836.1
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 (water-table).
WELL CHARACTERISTICS.--Drilled fire-protection well, diameter 8 in, depth 37 ft, screen assumed at bottom.
DATUM.--Land-surface datum is 17.4 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.47 ft 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 NGVD, Mar. 29, 1973; lowest measured, 4.93 ft NGVD, Aug. 30, 1968.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

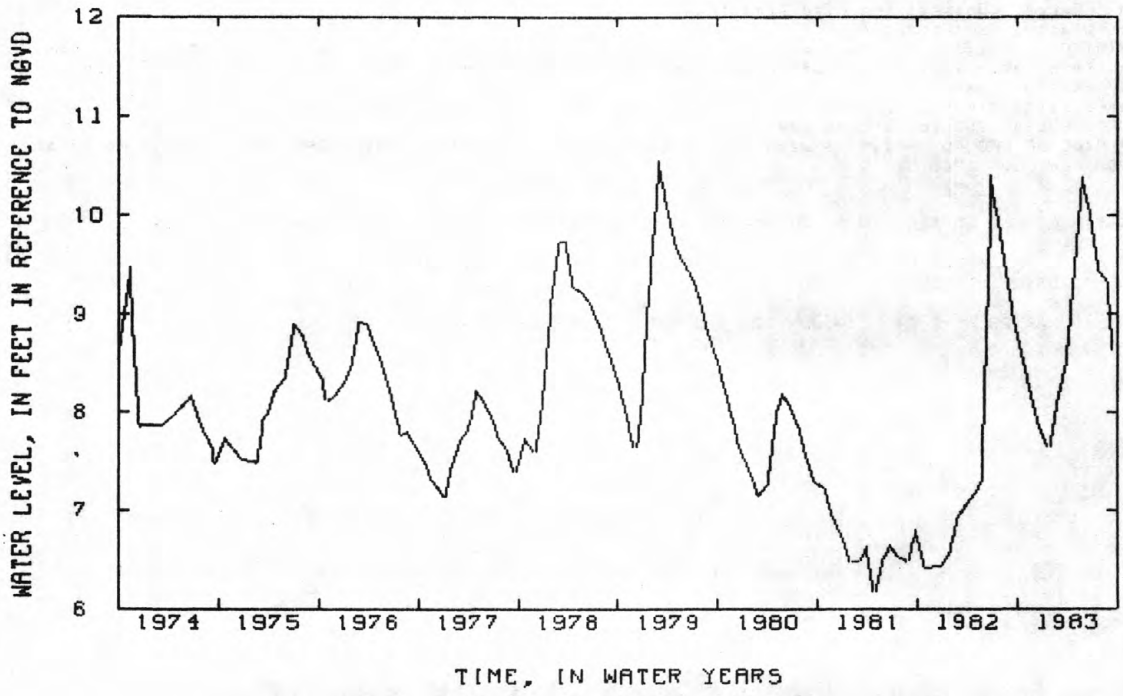
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 14	6.24	MAR 28	7.24	JUN 22	8.10	SEP 26	7.16				

SUFFOLK COUNTY--Continued

405840072082301. Local number, S 8839.1
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 (water-table).
WELL CHARACTERISTICS.--Driven observation well, diameter 1.25 in, depth 37 ft, screen assumed at bottom.
DATUM.--Land-surface datum is 39.1 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.87 ft 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 NGVD, Feb. 27, 1979; lowest measured, 6.10 ft NGVD, Oct. 27, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	8.55	DEC 20	7.86	FEB 24	8.12	APR 21	9.35	JUN 20	10.05	AUG 22	9.32
NOV 24	8.12	JAN 24	7.64	MAR 21	8.46	MAY 23	10.39	JUL 26	9.42	SEP 19	8.61



404831072530501. Local number, S 9130.1
LOCATION.--Lat 40°48'31", long 72°53'05", Hydrologic Unit 02030202, at River Road, Shirley. Owner: Town of Brookhaven.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 28 ft, screened 25 to 28 ft.
DATUM.--Land-surface datum is 26.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 100 ft 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 NGVD, Mar. 29, 1978; lowest measured, 9.50 ft NGVD, Mar. 19, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 18	10.02	MAR 18	10.43	JUN 15	11.20	SEP 27	10.50				

405843072352901. Local number, S 16756.2.
LOCATION.--Lat 40°58'43", long 72°35'29", Hydrologic Unit 02030202, at Herricks Lane, 0.25 mi south of Sound Avenue, Jamesport. Owner: Town of Riverhead.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 62 ft, screened 59 to 62 ft.
DATUM.--Land-surface datum is 61.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.23 ft below land-surface datum.
REMARKS.--Replaced well 16756.1 in December 1975 at same location.
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 NGVD, Mar. 30, 1979; lowest measured, 4.21 ft NGVD, Aug. 31, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 29	7.10	MAR 18	7.57	JUN 22	9.54	SEP 22	7.97				

410356072260301. Local number, S 16780.1
LOCATION.--Lat 41°03'56", long 72°26'03", Hydrologic Unit 02030202, at Horton Lane, 0.5 mi south of North Road, Southold. Owner: U.S. Geological Survey.
AQUIFER.--Upper Glacial (water table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 1.25 in, depth 50 ft, screened 47 to 50 ft.
DATUM.--Land-surface datum is 43 ft, National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, at land-surface datum.
PERIOD OF RECORD.--September 1958 to current year. Unpublished records for September 1958 to September 1982 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.55 ft NGVD, Oct. 6, 1978; lowest measured, 1.45 ft NGVD, Aug. 31, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 29	4.10	MAR 18	4.02	JUN 22	4.98	SEP 23	3.84				

410856072171501. Local number, S 16787.1
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 (water-table).
WELL CHARACTERISTICS.--Driven observation well, diameter 1.25 in, depth 44 ft screened 41 to 44 ft.
DATUM.--Land-surface datum is 22.2 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.24 ft 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 NGVD, Mar. 29, 1979, June 22, 1983; lowest measured, 1.12 ft NGVD, Aug. 8, 1966 .

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

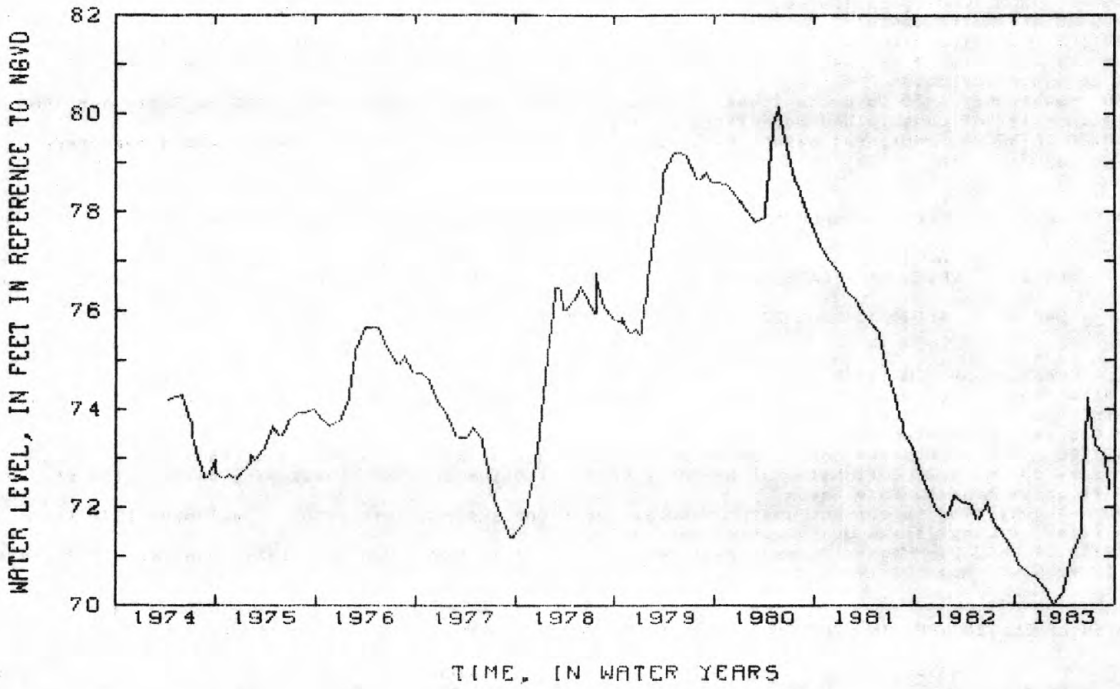
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 19	3.22	MAR 18	3.54	JUN 22	4.57	SEP 23	2.90				

SUFFOLK COUNTY--Continued

404747073241501. Local number, S 16874.1
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 (water-table).
WELL CHARACTERISTICS.--Driven observation well, diameter 1.25 in, depth 82 ft, screen assumed at bottom.
DATUM.--Land-surface datum is 141.2 ft National Geodetic Vertical of 1929. Measuring point: Top of casing, 0.04 ft 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 NGVD, May. 21, 1980; lowest measured, 66.95 ft above NGVD, Oct. 20, 1971.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	70.81	DEC 20	70.56	FEB 24	70.02	APR 21	70.93	JUN 21	74.25	AUG 23	73.02
NOV 24	70.62	JAN 24	70.33	MAR 21	70.23	MAY 23	71.43	JUL 27	73.23	SEP 19	72.32



405446073180701. Local number, S 16884.1
LOCATION.--Lat 40°54'46", long 73°18'07", Hydrologic Unit 02030201, at Route 25A and Fresh Pond Road, Fort Salonga. Owner: Suffolk County Department of Health Services.
AQUIFER.--Upper Glacial (water table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 43 ft, screened 40 to 43 ft.
DATUM.--Land-surface datum is 34 ft, National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.14 ft above land-surface datum.
PERIOD OF RECORD.--July 1958 to current year. Unpublished records for July 1958 to September 1982 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.75 ft NGVD, June 20, 1979; lowest measured, 15.02 NGVD, Oct. 28, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 29	17.96	MAR 17	18.27	JUN 14	20.00						

SUFFOLK COUNTY--Continued

404528073114802. Local number, S 17987.2.
LOCATION.--Lat 40°45'28", long 73°11'48", Hydrologic Unit 02030202, at Carleton Avenue, 260 ft north of Spur Drive Islip Terrace. Owner: U.S. Geological Survey.
AQUIFER.--Upper Glacial (water table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 16 ft, screened 13 to 16 ft.
DATUM.--Land-surface datum is 35 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 1.28 ft above land-surface datum.
PERIOD OF RECORD.--April 1959 to current year. Unpublished records for April 1959 to September 1982 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 33.61 ft NGVD, Aug. 7, 1973; lowest measured, 18.90 NGVD, Mar. 24, 1982.

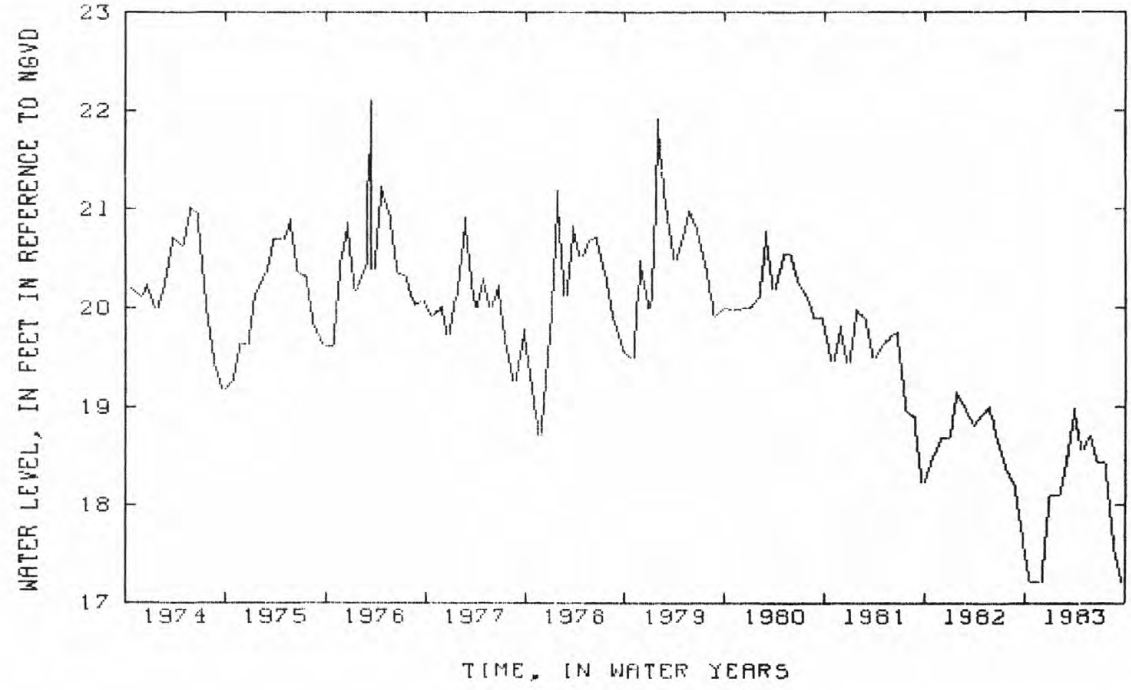
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 30	24.29	MAR 17	23.66	JUN 14	27.10	SEP 16	24.85				

403727073154602. Local number, S 21091.1T
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 (confined).
WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in, depth 1,921 ft, screened 1,918 to 1,921 ft.
DATUM.--Land-surface datum is 10.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of flange, 13.68 ft 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 NGVD, Mar. 16, 1976; lowest measured, 15.13 ft NGVD, June 2, 1972.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	17.21	DEC 28	18.08	FEB 27	18.48	APR 28	18.55	JUN 20	18.44	AUG 27	17.51
NOV 26	17.20	JAN 27	18.10	MAR 28	18.99	MAY 25	18.75	JUL 22	18.41	SEP 26	17.20

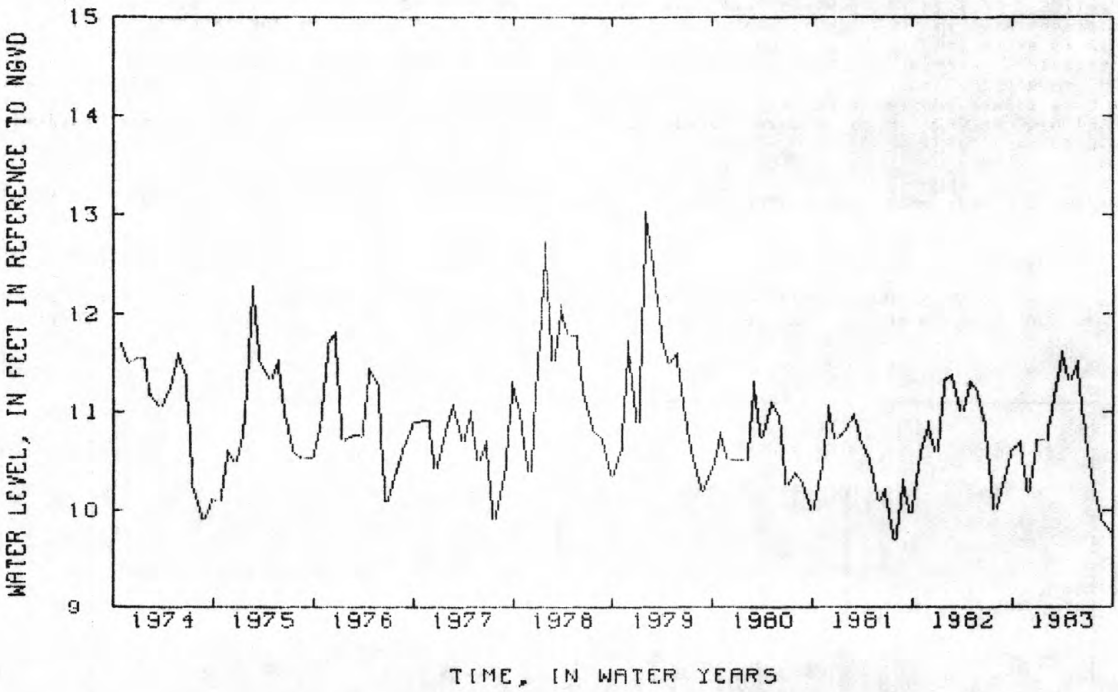


SUFFOLK COUNTY--Continued

403727073154601. Local number, S 21311.1
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 (confined).
WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in, depth 721 ft, screened 711 to 721 ft.
DATUM.--Land-surface datum is 10.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 20.01 ft 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 NGVD, Jan. 25, 1979; lowest measured, 5.35 ft above NGVD, Feb. 23, 1972.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	10.70	DEC 28	10.72	FEB 27	11.20	APR 28	11.32	JUN 23	10.78	AUG 28	9.88
NOV 28	10.19	JAN 27	10.70	MAR 28	11.61	MAY 25	11.51	JUL 23	10.30	SEP 26	9.79



404902073094001. Local number, S 22577.1
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 (confined).
WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in, depth 736 ft, screened 724 to 734 ft.
DATUM.--Land-surface datum is 60.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 2.63 ft 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 NGVD, Mar. 28, 1979; lowest measured, 36.19 ft above NGVD, Mar. 2, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 29	40.30	MAR 16	39.87	JUN 14	42.77	SEP 19	41.35				

SUFFOLK COUNTY--Continued

404902073094002. Local number, S 22578.1
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 (water-table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in, depth 402 ft, screened 392 to 402 ft.
DATUM.--Land-surface datum is 60.1 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in coupling, 2.79 ft 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 NGVD, Mar. 28, 1979; lowest measured, 36.35 ft NGVD, Mar. 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 29	40.50	MAR 16	40.82	JUN 14	43.07	SEP 19	41.39				

404902073094003. Local number, S 22579.1
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 (water-table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in, depth 210 ft, screened 200 to 210 ft.
DATUM.--Land-surface datum is 60.1 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in coupling, 2.50 ft 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 NGVD, Mar. 27, 1979, lowest measured, 36.40 ft NGVD, Mar. 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 29	40.60	MAR 16	40.92	JUN 14	43.60	SEP 19	41.62				

404828073114002. Local number, S 22580.1
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 (water-table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in, depth 802 ft, screened 440 to 450 ft.
DATUM.--Land-surface datum is 123.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 4.30 ft 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 NGVD, Apr. 17, 1979; lowest measured, 34.01 ft NGVD, Jan. 27, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 29	38.00	MAR 16	36.70	JUN 14	42.10	SEP 19	39.30				

SUFFOLK COUNTY--Continued

404828073114003. Local number, S 22581.1
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 (water-table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in, depth 450, screened 440 to 450 ft.
DATUM.--Land-surface datum is 123.2 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 4.08 ft 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 NGVD, Apr. 17, 1979; lowest measured, 34.21 ft NGVD, Jan. 27, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 29	39.16	MAR 16	38.99	JUN 14	41.98	SEP 19	41.08	SEP 19	42.84		

404828073114004. Local number, S 22582.1
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 (water-table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 115 ft, screened 105 to 115 ft.
DATUM.--Land-surface datum is 123.7 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.01 ft 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 NGVD, May 2 and June 12, 1979; lowest measured, 34.74 ft NGVD, Jan. 27, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 29	40.03	MAR 16	39.91	JUN 14	43.61						

404902073094004. Local number, S 23133.1
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 (water-table).
WELL CHARACTERISTICS.--Driven observation well, diameter 2 in, depth 29 ft, screened 26 to 29 ft.
DATUM.--Land-surface datum is 60.3 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.59 ft 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 NGVD, Mar. 28, 1979; lowest measured, 35.66 ft NGVD, Nov. 30, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 29	40.67	MAR 16	41.04	JUN 14	43.29						

SUFFOLK COUNTY--Continued

404809073160301. Local number, S 24769.1
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 (confined).
WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in, depth 810 ft, screened 800 to 810 ft.
DATUM.--Land-surface datum is 139.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.98 ft 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 NGVD, May 2, 1979; lowest measured, 45.31 ft NGVD, Mar. 7, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 16	49.28	JUN 14	50.48	SEP 19	51.31						

404819073160304. Local number, S 24770.1
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 (water-table).
WELL CHARACTERISTICS--Drilled observation well, diameter 4 in, depth 434 ft, screened 424 to 434 ft.
DATUM.--Land-surface datum is 139.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.01 ft 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 NGVD, May 2, 1979; lowest measured, 45.66 ft NGVD, Mar. 7, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

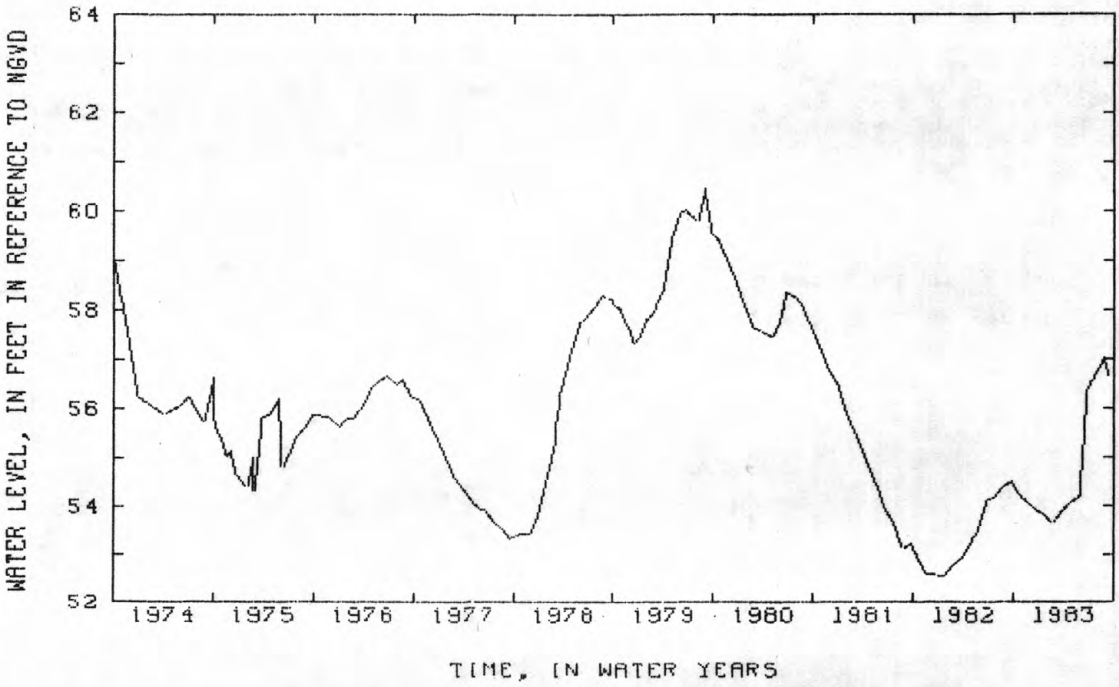
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 29	50.29	MAR 16	49.81	JUN 14	53.03	SEP 19	51.96				

SUFFOLK COUNTY--Continued

404820073160303. Local number, S 24771.1
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 (water-table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in, depth 127 ft, screened 117 to 127 ft.
DATUM.--Land-surface datum is 139.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.86 ft 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 NGVD, Aug. 28, 1979; lowest measured, 43.50 ft NGVD, Nov. 30, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	54.25	DEC 20	53.92	FEB 24	53.62	APR 21	54.03	JUN 21	56.38	AUG 23	57.03
NOV 24	54.04	JAN 24	53.79	MAR 21	53.86	MAY 23	54.17	JUL 27	56.73	SEP 19	56.64



404603073214803. Local number, S 27739.1
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 (confined).
WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in, depth 850 ft, screened 840 to 850 ft.
DATUM.--Land-surface datum is 139.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.37 ft 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 NGVD, Mar. 20, 1979; lowest measured, 50.85 ft NGVD, Feb. 15, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 29	56.94	MAR 16	56.93	JUN 14	58.43	SEP 19	57.74				

404603073214804. Local number, S 27740.1
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 (water-table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in, depth 429 ft, screened 419 to 429 ft.
DATUM.--Land-surface datum is 139.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.85 ft 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 NGVD, Mar. 20, 1979; lowest measured, 51.08 ft NGVD, Feb. 15, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 29	57.07	MAR 16	57.05	JUN 14	58.85	SEP 19	58.08				

404710073264003. Local number, S 29776.1
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 (water-table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in, depth 720 ft, screened 710 to 720 ft.
DATUM.--Land-surface datum is 193.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.44 ft 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 NGVD, Mar. 11, 1980; lowest measured, 67.64 ft NGVD, June 27, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 29	76.12	MAR 16	75.35	JUN 14	76.15	SEP 19	75.74				

404710073264003. Local number, S 29777.1T
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 (confined).
WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in, depth 397 ft, screened 387 to 397 ft.
DATUM.--Land-surface datum is 193.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.80 ft 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 NGVD, Dec. 27, 1979; lowest measured, 67.90 ft NGVD, May 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 29	76.30	MAR 16	76.40	JUN 14	76.95	SEP 19	77.80				

SUFFOLK COUNTY--Continued

404710073264003. Local number, S 29778.1T
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 (water-table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in, depth 168 ft, screened 158 to 168 ft.
DATUM.--Land-surface datum is 193.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.17 ft 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 NGVD, Aug. 28, 1979; lowest measured, 68.27 ft NGVD, June 27, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 29	76.57	MAR 16	76.94	JUN 14	76.67	SEP 19	78.39				

405450073030302. Local number, S 31734.1T
LOCATION.--Lat 40°54'50", long 73°03'03", Hydrologic Unit 02030202, at Jayne Boulevard, 0.7 mi south of State Highway 347, Terryville. Owner: Suffolk County Water Authority.
AQUIFER.--Lloyd (confined).
WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in, depth 1,095 ft, screened 1,069 to 1,090 ft.
DATUM.--Land-surface datum is 165.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.25 in hole in reducer 1.74 ft 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 NGVD, May 30, 1979; lowest measured, 37.41 ft NGVD, Mar. 20, 1972.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 28	39.74	JAN 4	39.56	MAR 16	39.38	JUN 15	40.24	SEP 16	39.47		

405452073025702. Local number, S 32895.1
LOCATION.--Lat 40°54'52", long 73°02'57", Hydrologic Unit 02030202, at Jayne Boulevard, 0.7 mi south of State Highway 347, Terryville. Owner: Suffolk County Water Authority.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in, depth 845 ft, screened 840 to 845 ft.
DATUM.--Land-surface datum is 165.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 1.92 ft 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 NGVD, Oct. 27, 1979; lowest measured, 38.92 ft NGVD, July 26, 1971.

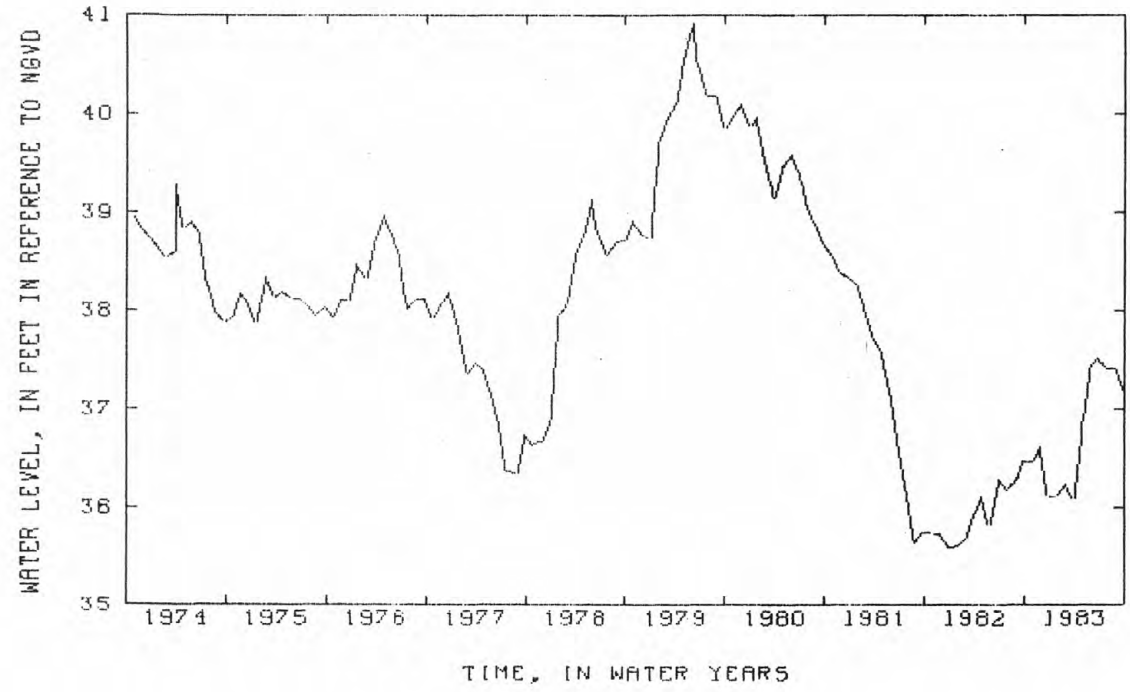
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 28	41.38	MAR 16	40.91	JUN 15	42.38	SEP 16	41.75				

404932073055901. Local number, S 33379.1
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 (confined).
WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in, depth 1,305 ft, screened 1,290 to 1,300 ft.
DATUM.--Land-surface datum is 134.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.34 ft 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 NGVD, Jun. 5, 1979; lowest measured, 34.13 ft NGVD, Oct. 11, 1968.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	36.47	DEC 27	36.12	FEB 25	36.24	APR 28	36.80	JUN 21	37.52	AUG 30	37.40
NOV 24	36.62	JAN 26	36.11	MAR 25	36.08	MAY 26	37.42	JUL 26	37.41	SEP 27	37.18

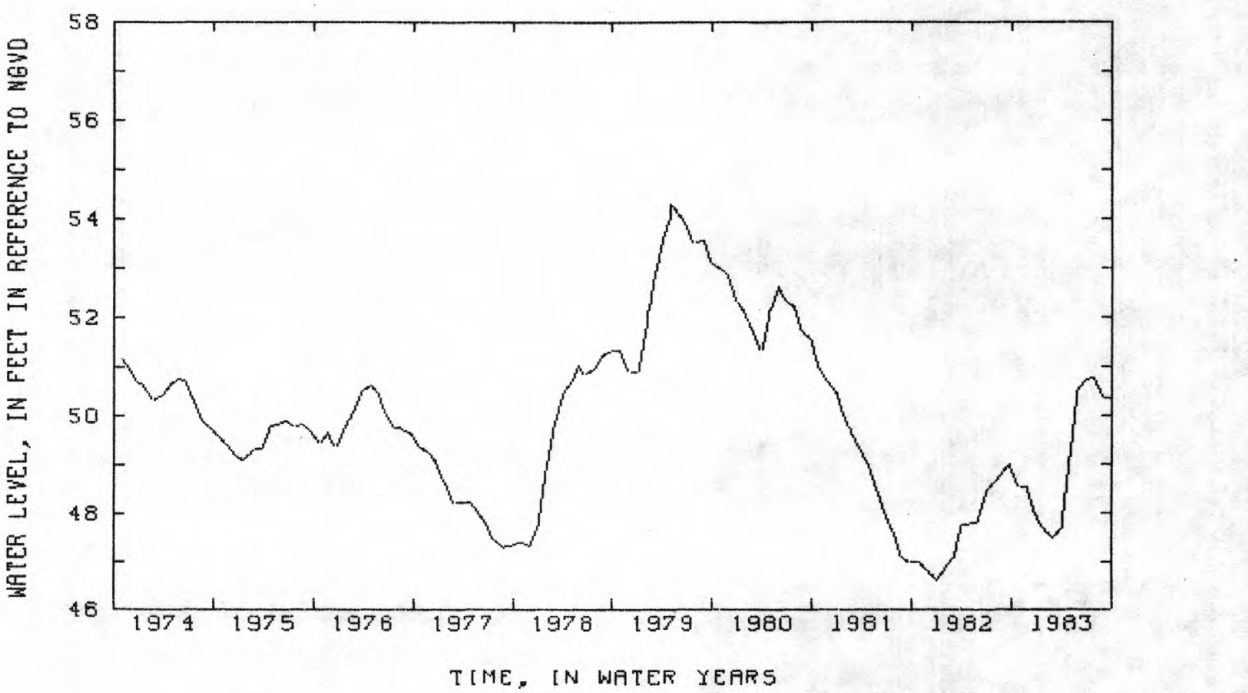


SUFFOLK COUNTY--Continued

404932073055902. Local number, S 33380.1
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 (confined).
WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in, depth 850 ft, screened 840 to 850 ft.
DATUM.--Land-surface datum is 133.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.13 ft 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 NGVD, Apr. 27, 1979; lowest measured, 45.16 ft above NGVD, Dec. 5, 1969.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	48.52	DEC 27	47.99	FEB 25	47.49	APR 28	49.15	JUN 21	50.70	AUG 30	50.38
NOV 24	48.52	JAN 26	47.71	MAR 25	47.68	MAY 26	50.50	JUL 26	50.77	SEP 27	50.35



405517072574902. Local number, S 34892.1
LOCATION.--Lat 40°55'17", long 72°57'49", Hydrologic Unit 02030202, at Radio Avenue, 1.3 mi south of State Highway 25A, Rocky Point. Owner: Suffolk County Water Authority.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in, depth 138 ft, screened 124 to 138 ft.
DATUM.--Land-surface datum is 122.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.68 ft 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 NGVD, May 30, 1979; lowest measured, 42.17 ft NGVD, Mar. 21, 1972.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 8	47.74 G	MAR 17	45.55	MAR 24	45.67 G	JUN 15	49.28	JUL 4	47.18	SEP 21	47.18
JAN 18	46.18										

G MEASUREMENT BY ANOTHER AGENCY

405517072574903. Local number, S 34894.1
LOCATION.--Lat 40°55'17", long 72°57'49", Hydrologic Unit 02030202, at Radio Avenue, 1.3 mi south of State Highway 25A, Rocky Point. Owner: Suffolk County Water Authority.
AQUIFER.--Magothy (confined).
WELL CHARACTERISTICS.--Drilled observation well, diameter 12 in, depth 745 ft, screened 698 to 745 ft.
DATUM.--Land-surface datum is 124.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in nipple, 3.82 ft 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 NGVD, May 30, 1979; lowest measured, 40.56 ft NGVD, Mar. 15, 1972.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 8	45.30 G	MAR 17	43.62	MAR 24	43.83 G	JUN 15	46.74	JUL 1	46.82	SEP 21	46.50
JAN 18	44.12										

G MEASUREMENT BY ANOTHER AGENCY

404656073081401. Local number S 36143.1
LOCATION.--Lat 40°46'56", long 73°08'14", Hydrologic Unit 02030202, at end of 7th Street, Bohemia. Owner: Town of Islip.
AQUIFER.--Upper Glacial (water table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 62 ft, screened 59 to 62 ft.
DATUM.--Land-surface datum is 72 ft, National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.33 ft above land-surface datum.
PERIOD OF RECORD.--October 1969 to current year. Unpublished records for October 1969 to September 1982 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 36.46 ft NGVD, Mar. 29, 1979; lowest measured, 29.93 ft NGVD, Oct. 29, 1969.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 30	31.17	MAR 17	31.53	JUN 13	34.52	SEP 16	32.93	SEP 30	33.30		

404640073050201. Local number, S 36144.1
LOCATION.--Lat 40°46'40", long 73°05'02", Hydrologic Unit 02030202, at Lincoln Avenue, Bohemia. Owner: Town of Islip.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 52.5 ft screen assumed at bottom.
DATUM.--Land-surface datum is 54.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.84 ft 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 NGVD, Mar. 29, 1979; lowest measured, 31.88 ft NGVD, Dec. 15, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 28	34.54	MAR 16	34.63	JUN 14	36.84	SEP 16	36.02				

SUFFOLK COUNTY--Continued

4047073023302. Local number, S 36145.1.
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 (water-table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 43 ft, screened 30 to 43 ft.
DATUM.--Land-surface datum is 44.6 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.30 ft 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 March 1970 to September 1976 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 33.90 ft NGVD, Apr. 10, 1979; lowest measured, 29.56 ft NGVD, Sept. 15, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 28	30.10	MAR 16	30.54	JUN 14	32.56	SEP 16	31.28				

405551072501601. Local number, S 36146.1
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 (water-table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 86.6 ft screen assumed at bottom.
DATUM.--Land-surface datum is 100.0 ft National geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.51 ft 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 NGVD, Apr. 12, 1979; lowest measured, 32.08 ft NGVD, Dec. 16, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 29	34.52	MAR 17	34.10	JUN 15	36.88	SEP 22	36.18				

410524072194201. Local number, S 38463.1
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 (water-table).
WELL CHARACTERISTICS.--Drilled domestic well, 4 in, depth 56 ft, screen assumed at bottom.
DATUM.--Land-surface datum is 59.9 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, in well pit 5.45 ft 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 NGVD, Mar. 5, 1979; lowest measured, -1.89 ft NGVD, June 25, 1971.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 17	2.46 G	MAR 2	2.05 G								

G MEASUREMENT BY ANOTHER AGENCY

SUFFOLK COUNTY--Continued

405153073241101. Local number, S 40841.1
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 (water-table).
WELL CHARACTERISTICS.--Drilled observation well, 2 in, depth 65.8 ft, screen assumed at bottom.
DATUM.--Land-surface datum is 108.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.30 ft above 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 NGVD, Mar. 20, June 20, 1979; lowest measured, 62.10 ft NGVD, Sept. 27, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 29	62.80	MAR 16	62.54	JUN 14	64.92	SEP 16	65.03				

405124073111501. Local number, S 40843.1
LOCATION.--Lat 40°51'24", long 73°11'15", Hydrologic Unit 02030201, at Middle Country Road and Nissequogue Road, Smithtown. Owner: Town of Smithtown.
AQUIFER.--Upper Glacial (water table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 44 ft, screened 41 to 44 ft.
DATUM.--Land-surface datum is 66 ft, National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, at land-surface datum.
PERIOD OF RECORD.--July 1971 to current year. Unpublished records for July 1971 to September 1982 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 37.93 ft NGVD, Mar. 27, 1979; lowest measured, 33.84 ft NGVD, July 9, 1971.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 28	34.88	MAR 16	35.19	JUN 14	36.69	SEP 16	36.59				

405222073021301. Local number, S 41050.1
LOCATION.--Lat 40°52'22", long 73°02'13", Hydrologic Unit 02030202, at Dare Road, 190 ft south of Pine Street, North Selden. Owner: Suffolk County Water Authority.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 8 in, depth 71 ft, screened 67 to 69 ft, sump bottom below screen.
DATUM.--Land-surface datum is 89.4 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in reducer plug, 0.78 ft 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 NGVD, Apr. 10, 1979; lowest measured, 60.29 ft NGVD, July 11, 1972.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 30	66.72	MAR 16	67.38	JUN 15	72.18	SEP 16	70.63				

SUFFOLK COUNTY--Continued

405230073212101. Local number, S 46517.1.
LOCATION.--Lat 40°52'30", long 73°21'21", Hydrologic Unit 02030201, at Maple Road and Stony Hollow Road, Huntington. Owner: Town of Huntington.
AQUIFER.--Upper Glacial (water table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 66 ft, screened 63 to 66 ft.
DATUM.--Land-surface datum is 123.5 ft, National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, at land-surface datum.
PERIOD OF RECORD.--September 1979 to current year. Unpublished records for September 1979 to September 1982 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 69.10 ft NGVD, June 14, 1983; lowest measured, 67.21 ft NGVD, Mar. 17, 1983.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 29	67.63	MAR 15	67.89	MAR 17	67.21	JUN 14	69.10	SEP 16	68.23		

410218072093301. Local number, S 46519.1
LOCATION.--Lat 41°02'18", long 72°09'33", Hydrologic Unit 02030202, at White Birch Drive and Hog Creek Lane, East Hampton. Owner: Suffolk County Department of Health Services.
AQUIFER.--Upper Glacial (water table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 33 ft, screened 30 to 33 ft.
DATUM.--Land-surface datum is 32.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.08 ft below land-surface datum.
PERIOD OF RECORD.--November 1972 to current year. Unpublished records for November 1972 to September 1982 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.45 ft, Jan. 13, 1983; lowest measured, 2.03 ft NGVD, Dec. 21, 1980.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 13	9.45	MAR 29	4.14	JUN 24	3.72	SEP 23	2.53				

405828072115101. Local number, S 46523.1
LOCATION.--Lat 40°58'28", long 72°11'51", Hydrologic Unit 02030202, at Hands Creek Road and Cedar Street, East Hampton. Owner: Town of East Hampton.
AQUIFER.--Upper Glacial (water table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 97 ft, screened 94 to 97 ft.
DATUM.--Land-surface datum is 64.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, at land-surface datum.
PERIOD OF RECORD.--November 1972 to current year. Unpublished records for November 1972 to September 1982 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.21 ft NGVD, June 20, 1973; lowest measured, 9.84 ft NGVD, Dec. 26, 1974.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 13	10.50	MAR 29	10.63	JUN 23	13.21	SEP 23	11.88				

405842072211401. Local number, S 46528.1
LOCATION.--Lat 40°58'42", long 72°21'14", Hydrologic Unit 02030202, at 127 ft south of Millstone Road and about 3,000 ft south of Noyack Road. Owner: Town of Southampton.
AQUIFER.--Upper Glacial (water table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 102 ft, screened 99 to 102 ft.
DATUM.--Land-surface datum is 125.5 ft, National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.32 ft below land-surface datum.
PERIOD OF RECORD.--November 1972 to current year. Unpublished records for November 1972 to September 1982 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 44.02 ft NGVD, July 3, 1979; lowest measured, 36.23 ft NGVD, Mar. 26, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 14	39.75	MAR 28	39.15	JUN 23	41.51						

405332072262201. Local number, S 46531.1
LOCATION.--Lat 40°53'32", long 72°26'22", Hydrologic Unit 02030202, at Tuckahoe Road, 189 ft north of Route 27, Southampton. Owner: Town of Southampton.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 42 ft, screen assumed at bottom.
DATUM.--Land-surface datum is 36.4 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.13 ft 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 NGVD, May 8, 1973; lowest measured, 3.47 ft NGVD, Dec. 30, 1980.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 17	4.05	MAR 28	4.54	JUN 22	5.79	SEP 26	4.55				

405231072341901. Local number, S 46534.1
LOCATION.--Lat 40°52'31", long 72°34'19", Hydrologic Unit 02030202, at Route 27, 2.5 miles east of Route 113, and 2.25 miles west of Hampton Bays, South Flanders. Owner: New York State Department of Transportation.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 84 ft, screened 81 to 84 ft.
DATUM.--Land-surface datum is 82.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.70 ft 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 NGVD, Apr. 4, 1979; lowest measured, 9.28 ft above NGVD, Dec. 16, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 19	10.50	MAR 29	11.03	JUN 20	13.38	SEP 26	12.27				

SUFFOLK COUNTY--Continued

405130072353101. Local number, S 46537.1
LOCATION. --Lat 40°51'30", long 72°35'31", Hydrologic Unit 02030202, at Spinney Road, 0.6 mi south of Hampton Bays Road, East Quogue. Owner: Town of Southampton.
AQUIFER. --Upper Glacial (water-table).
WELL CHARACTERISTICS. --Drilled observation well, diameter 2 in, depth 50 ft, screen assumed at bottom.
DATUM. --Land-surface datum is 56.20 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.21 ft 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 NGVD, July 2, 1980; lowest measured, 9.51 ft NGVD, Dec. 18, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 19	11.10	MAR 28	11.41	JUN 20	13.71	SEP 26	12.83				

405021072355801. Local number, S 46540.1
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 (water-table).
WELL CHARACTERISTICS. --Drilled observation well, diameter 2 in, depth 41 ft, screen assumed at bottom.
DATUM. --Land-surface datum is 38 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.24 ft 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 NGVD, Apr. 2, 1979; lowest measured, 6.96 ft NGVD, Dec. 18, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 19	7.74	MAR 28	9.11	JUN 20	10.65	SEP 26	8.70				

405019072443801. Local number, S 46541.1
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 (water-table).
WELL CHARACTERISTICS. --Drilled observation well, diameter 2 in, depth 34 ft, screen assumed at bottom.
DATUM. --Land-surface datum is 27.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.26 ft 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 NGVD, Feb. 2, 1979; lowest measured, 15.75 ft NGVD, Sept. 17, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 19	16.54	MAR 28	17.52	JUN 20	18.02	SEP 22	17.11				

SUFFOLK COUNTY--Continued

405302072415101. Local number, S 46542.1
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 (water-table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 149 ft, screen assumed at bottom.
DATUM.--Land-surface datum is 163.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.15 ft 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 NGVD, June 29, 1979; lowest measured, 22.59 ft NGVD, Mar. 18, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 19	24.98	MAR 28	24.69	JUN 20	26.46	SEP 26	27.18				

405140072432501. Local number, S 46544.1
LOCATION.--Lat 40°51'40", long 72°43'25", Hydrologic Unit 02030202, at County Road 51 and Service Road for Recharge Basin 34, Eastport. Owner: Suffolk County Department of Public Works.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 107 ft, screen assumed at bottom.
DATUM.--Land-surface datum is 103.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.29 ft 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 NGVD, June 28, 1979; lowest measured, 23.76 ft NGVD, Mar. 18, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 20	25.80	MAR 18	25.57	JUN 20	27.51	SEP 26	28.07				

405330072443701. Local number, S 46545.1
LOCATION.--Lat 40°53'30", long 72°44'37", Hydrologic Unit 02030202, at Toppings Path, 0.9 mi south of Nugget Drive, Calverton. Owner: Town of Brookhaven.
AQUIFER.--Upper Glacial (water-table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 73 ft, screen 70 to 73 ft.
DATUM.--Land-surface datum is 107.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.14 ft 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 NGVD, June 28, 1979; lowest measured, 36.18 ft NGVD, Mar. 17, 1983.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 19	36.69	MAR 17	36.18	JUN 15	40.16	SEP 22	40.91				

SUFFOLK COUNTY--Continued

405716072591601. Local number, S 46548.1
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 (water-table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 84 ft, screen assumed at bottom.
DATUM.--Land-surface datum is 71.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.27 ft 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 NGVD, June 22, 1979; lowest measured, 8.59 ft NGVD, Mar. 16, 1982.

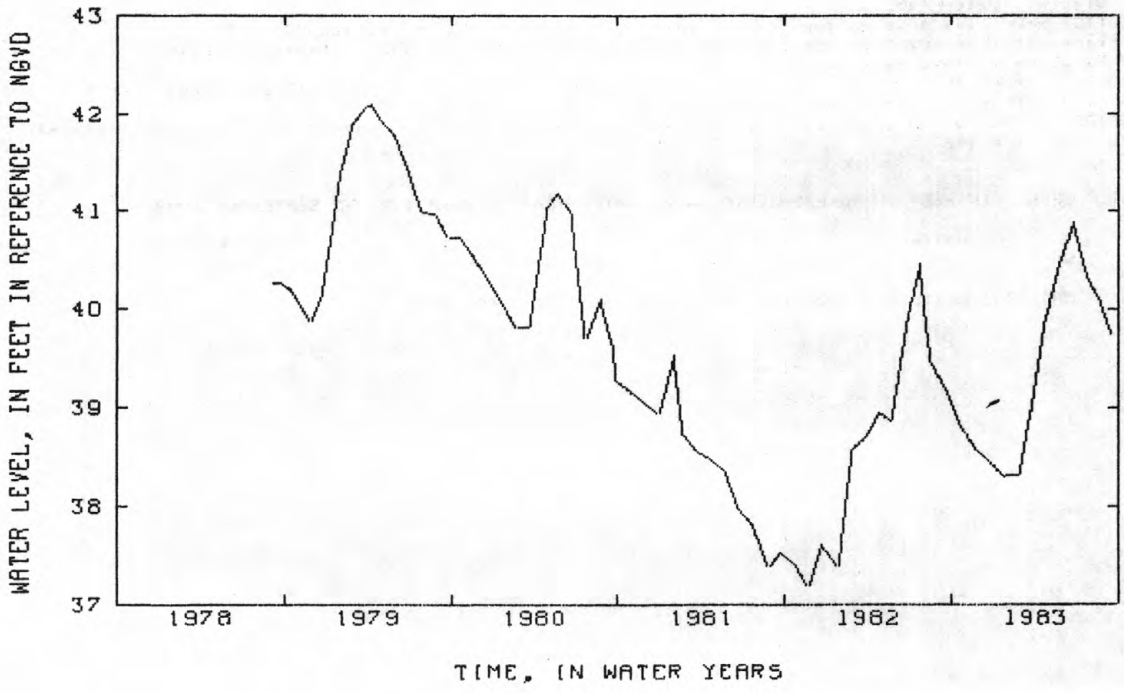
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 18	9.83	MAR 17	9.63	JUN 15	10.98	SEP 21	10.73				

404813073084101. Local number, S 65601.1
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 (water-table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 41 ft, screened 38 to 41 ft.
DATUM.--Land-surface datum is 62.6 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.20 ft 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 NGVD, Apr. 10, 1979; lowest measured, 36.46 ft NGVD, Jan. 25, 1951.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

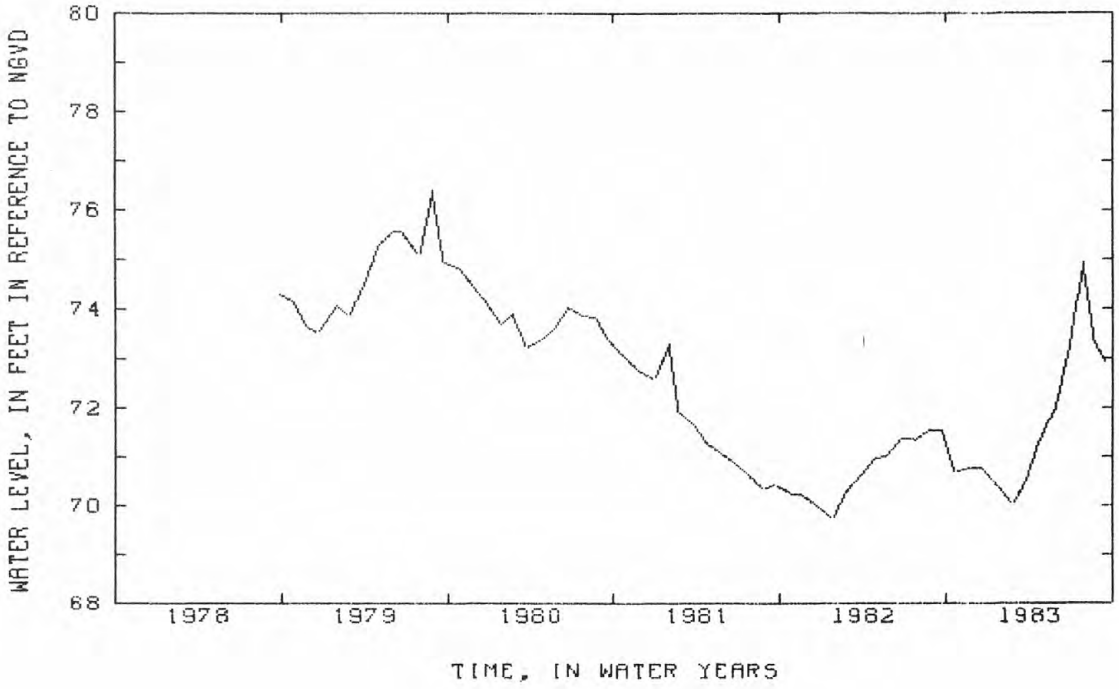
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	38.81	DEC 20	38.46	FEB 24	38.32	APR 21	39.87	JUN 21	40.88	AUG 22	40.09
NOV 24	38.56	JAN 24	38.30	MAR 21	38.95	MAY 23	40.48	JUL 27	40.30	SEP 19	39.73



405030073180601. Local number, S 65602.1
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 (water-table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 96 ft, screened 91 to 96 ft.
DATUM.--Land-surface datum is 146 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.19 ft 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 NGVD, Aug. 28, 1979, lowest measured, 64.23 ft NGVD, Mar. 18, 26, 1951.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	70.68	DEC 20	70.75	FEB 24	70.02	APR 21	71.31	JUN 21	73.15	AUG 23	73.33
NOV 24	70.78	JAN 24	70.36	MAR 21	70.48	MAY 23	71.92	JUL 27	74.92	SEP 19	72.90



404713072575701. Local number, S 65603.1
LOCATION.--Lat 40°47'13", long 72°57'57", Hydrologic Unit 02030202, at Patchogue-Yaphank Road and service road for Sunrise Highway, North Bellport. Owner: U.S. Geological Survey.
AQUIFER.--Upper Glacial (water table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 70 ft, screened 67 to 70 ft.
DATUM.--Land-surface datum is 53.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.19 ft above land-surface datum.
PERIOD OF RECORD.--October 1978 to current year. Unpublished records for October 1978 to September 1982 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.63 ft NGVD, Apr. 2, 1979; lowest measured, 23.11 ft NGVD, Dec. 15, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

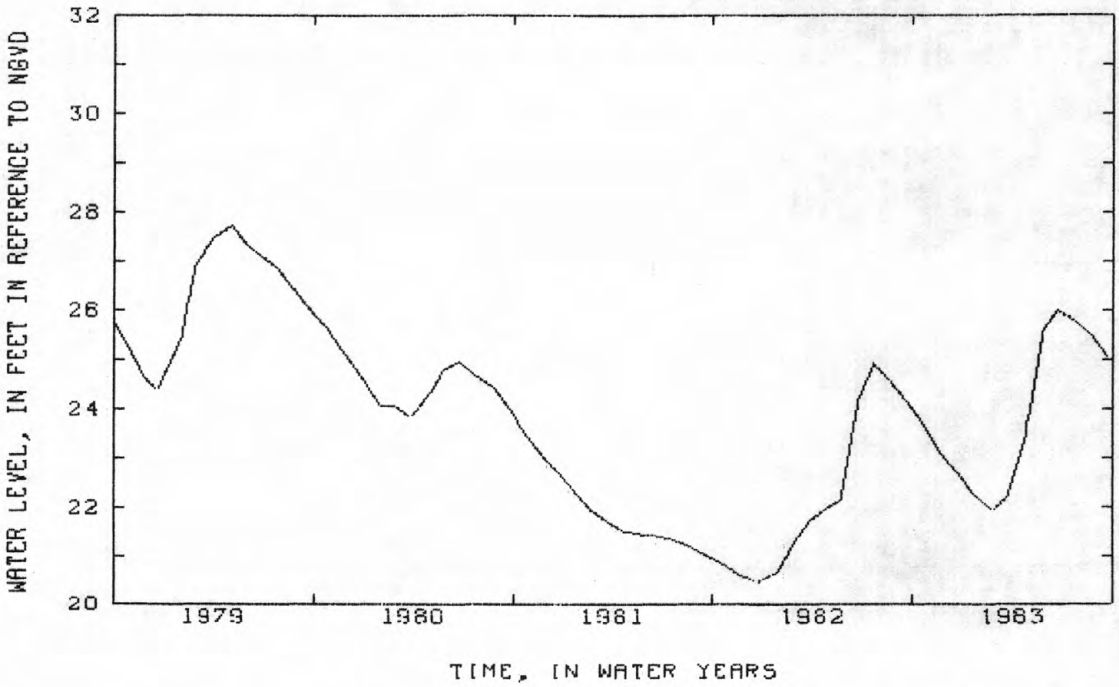
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 18	24.36	MAR 30	25.14	JUN 15	27.79	SEP 22	26.69	SEP 27	26.61		

SUFFOLK COUNTY--Continued

404936072483501. Local number, S 65604.1
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 (water-table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 56 ft, screened 51 to 56 ft.
DATUM.--Land-surface datum is 64 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling 0.16 ft 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 NGVD, June 28, 1978, lowest measured, 20.48 ft NGVD, Dec. 21, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	23.66	DEC 20	22.70	FEB 24	21.93	APR 21	23.39	JUN 20	26.01	AUG 22	25.49
NOV 24	23.07	JAN 24	22.25	MAR 21	22.20	MAY 23	25.58	JUL 26	25.72	SEP 19	25.06



410226072283801. Local number, S 65606.1
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 (water-table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 51 ft, screened 46 to 51 ft.
DATUM.--Land-surface datum is 37.3 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.30 ft 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, 8.89 ft NGVD, Mar. 6, 1979; lowest measured, 2.27 ft NGVD, Aug. 31, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 19	4.31	MAR 18	4.01	JUN 22	4.91	SEP 22	5.07				

WATER GUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

NASSAU COUNTY

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 (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	BARO-METRIC PRES-SURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)
403818073421501	N 1114	112GLCLU	82-11-24	31	650	6.4	18.0	--	5.2
		112GLCLU	83-02-24	31	625	6.6	17.0	--	--
		112GLCLU	83-05-20	31	600	6.5	16.0	--	3.0
		112GLCLU	83-08-25	31	725	6.2	17.0	--	2.5
403716073423101	N 1116	112GLCLU	82-11-24	17	365	6.4	20.0	--	--
		112GLCLU	83-05-20	17	340	6.0	18.5	--	6.3
		112GLCLU	83-08-25	17	--	6.2	21.0	--	5.2
404736073353101	N 1176	211MGTY	82-11-23	198	35	5.2	12.5	765	8.7
		211MGTY	83-02-24	198	40	4.6	11.5	--	--
		211MGTY	83-05-24	198	45	7.9	12.0	--	11.6
		211MGTY	83-08-29	198	40	6.0	18.0	--	6.5
404657073332201	N 1194	112GLCLU	82-11-23	104	240	5.3	13.0	765	8.8
		112GLCLU	83-02-24	104	240	5.0	12.0	--	--
		112GLCLU	83-05-24	104	265	--	13.0	--	11.0
		112GLCLU	83-08-24	104	350	5.5	22.0	--	6.0

DATE OF SAMPLE	HARD-NESS (MG/L AS CACO3)	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)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRATE DIS-SOLVED (MG/L AS N)
82-11-24	110	37	5.0	50	4.5	88	11	89	0.1	7.6	2.8	--
83-02-24	120	38	6.2	47	3.1	98	19	95	<0.1	6.6	--	0.52
83-05-20	--	--	--	--	--	111	3.4	66	<0.1	--	--	--
83-08-25	--	45	5.4	63	4.0	125	1.4	97	<0.1	9.0	--	--
82-11-24	91	29	4.5	19	3.1	38	37	28	<0.1	5.3	--	--
83-05-20	--	30	4.6	17	4.2	28	25	60	<0.1	4.9	--	--
83-08-25	--	28	4.5	14	3.4	26	40	38	<0.1	5.3	--	--
82-11-23	7	1.5	0.8	3.6	0.4	5.0	<1.0	5.1	<0.1	9.1	1.5	--
83-02-24	7	1.7	0.8	4.6	0.7	6.0	1.2	6.2	<0.1	9.2	--	--
83-05-24	--	2.1	0.8	5.6	0.8	6.0	0.7	6.3	<0.1	8.5	--	--
83-08-29	--	1.5	0.7	3.5	0.6	7.0	0.6	3.7	<0.1	8.8	--	1.20
82-11-23	61	16	5.0	17	1.0	14	28	33	<0.1	12	1.9	--
83-02-24	56	15	4.5	17	1.5	13	25	36	<0.1	11	15	--
83-05-24	--	18	5.3	18	1.6	13	--	--	<0.1	11	--	--
83-08-24	--	--	--	--	--	--	--	--	--	--	--	2.10

DATE OF SAMPLE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC DIS-SOLVED (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	NITRO-GEN DIS-SOLVED (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, DIS-SOLVED (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
82-11-24	0.010	5.70	5.60	<1	<1	7.4	--	0.070	--	30000	330
83-02-24	0.030	2.00	2.10	--	--	--	2.8	0.040	<0.010	25000	270
83-05-20	<0.010	1.30	--	--	--	--	--	<0.010	<0.010	2600	500
83-08-25	0.020	1.10	1.00	--	--	--	--	0.020	<0.010	47000	470
82-11-24	<0.010	0.620	1.10	0.080	0.20	4.0	--	0.090	--	9000	170
83-05-20	<0.010	0.220	0.220	--	--	--	5.5	0.020	<0.010	3100	230
83-08-25	0.020	<0.010	0.100	--	--	--	4.2	<0.010	<0.010	5600	190
82-11-23	0.010	<0.010	0.030	--	0.17	--	--	0.020	--	2100	30
83-02-24	<0.010	0.030	0.030	0.070	0.17	4.0	2.7	<0.010	<0.010	1400	20
83-05-24	--	--	<0.010	--	--	--	1.9	<0.010	<0.010	1600	50
83-08-29	<0.010	<0.010	0.020	--	--	--	1.3	0.020	<0.010	3700	70
82-11-23	0.010	<0.010	<0.010	--	--	2.1	--	0.090	--	9700	40
83-02-24	0.010	0.090	0.070	0.21	0.13	15	7.0	0.030	0.020	470	20
83-05-24	<0.010	0.040	0.040	--	--	--	2.2	<0.010	0.020	1300	60
83-08-24	<0.010	0.170	0.110	--	--	--	2.3	0.010	<0.010	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

NASSAU COUNTY--Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	BAROMETRIC PRESSURE (MM OF HG)	OXYGEN, DISSOLVED (MG/L)
404310073261001	N 1250	112GLCLU	82-11-24	33	380	5.5	18.5	--	6.3
		112GLCLU	83-05-20	33	645	5.1	15.0	--	2.6
404239073255201	N 1251	112GLCLU	82-11-24	29	180	5.4	17.0	--	6.0
		112GLCLU	83-05-20	29	270	5.0	14.5	--	5.6
		112GLCLU	83-08-25	29	220	5.2	16.0	--	3.7
404059073254101	N 1253	112GLCLU	82-11-24	29	560	6.0	15.0	--	4.5
		112GLCLU	83-05-20	29	750	6.1	14.0	--	2.7
		112GLCLU	83-08-25	29	590	6.1	21.0	--	5.4
404015073252701	N 1254	112GLCLU	82-11-24	29	330	6.1	21.0	--	5.6
		112GLCLU	83-05-20	29	368	6.0	15.0	--	4.0
		112GLCLU	83-08-25	29	300	5.7	16.0	--	4.4
403920073410701	N 1429	112GLCLU	82-11-24	24	500	5.7	21.0	--	4.2
		112GLCLU	83-02-23	24	480	6.7	21.5	--	--
		112GLCLU	83-05-20	24	545	4.0	16.5	--	2.5
		112GLCLU	83-08-25	24	440	5.5	19.0	--	5.8

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)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)
82-11-24	68	21	3.7	33	3.9	41	34	39	<0.1	7.8	3.4	2.90
83-05-20	--	--	--	--	--	--	--	--	--	--	--	--
82-11-24	38	12	1.9	12	3.0	13	16	10	<0.1	8.0	6.0	--
83-05-20	--	--	--	--	--	18	35	18	<0.1	--	--	--
83-08-25	--	16	2.7	19	1.4	13	23	18	<0.1	7.9	--	19.0
82-11-24	86	28	3.8	65	4.7	83	27	89	<0.1	18	--	--
83-05-20	--	29	3.6	76	11	15	30	140	<0.1	15	--	--
83-08-25	--	32	3.9	65	9.7	85	43	110	<0.1	16	--	--
82-11-24	59	19	2.8	25	3.7	33	29	34	<0.1	6.8	--	--
83-05-20	--	--	--	--	--	42	38	43	<0.1	--	--	--
83-08-25	--	26	4.4	27	4.3	47	41	47	<0.1	8.6	--	4.70
82-11-24	--	--	--	--	--	60	52	53	<0.1	--	0.49	0.45
83-02-23	--	42	6.1	24	9.7	59	70	53	<0.1	9.5	4.6	--
83-05-20	--	53	7.1	27	11	46	94	59	<0.1	10	--	--
83-08-25	--	43	5.9	23	8.0	40	74	31	<0.1	8.1	--	8.80

DATE OF SAMPLE	NITROGEN, NITRITE TOTAL (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)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN DISSOLVED (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
82-11-24	0.030	1.90	2.00	<1	0.30	5.3	--	0.040	--	5400	2200
83-05-20	<0.010	3.20	3.20	--	--	--	12	0.040	<0.010	--	--
82-11-24	0.010	0.050	0.050	--	--	--	--	0.060	--	2700	230
83-05-20	<0.010	0.250	0.260	--	--	--	7.6	0.010	<0.010	--	--
83-08-25	0.010	0.340	0.350	--	--	--	19	<0.010	<0.010	3300	300
82-11-24	--	--	--	--	--	--	--	--	--	350	6000
83-05-20	<0.010	8.50	8.00	--	--	--	8.8	<0.010	0.010	260	6500
83-08-25	<0.010	8.30	--	--	--	--	--	<0.010	--	1300	5000
82-11-24	--	--	--	--	--	--	--	--	--	12000	1100
83-05-20	<0.010	3.40	3.10	--	--	--	30	0.050	0.010	--	--
83-08-25	0.010	1.90	1.90	--	--	--	6.5	<0.010	<0.010	5300	4200
82-11-24	0.010	0.090	0.170	0.41	<1	1.0	--	0.220	--	7200	180
83-02-23	0.010	0.050	0.040	0.55	0.26	5.2	2.1	0.180	<0.010	8200	180
83-05-20	<0.010	0.080	0.020	--	--	--	6.3	0.020	<0.010	--	150
83-08-25	<0.010	<0.010	0.020	--	--	--	8.9	<0.010	<0.010	1500	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

NASSAU COUNTY--Continued

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

STATION NUMBER		LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	BAROMETRIC PRESSURE (MM OF HG)	OXYGEN, DISSOLVED (MG/L)
404544073265603	N	7397	112GLCLU	82-11-23	107	1000	4.7	13.0	765	8.7
			112GLCLU	83-05-24	107	>1000	--	14.0	--	12.3
			112GLCLU	83-08-24	107	1000	5.0	23.0	--	4.8
404730073423101	N	8877	112GLCLU	82-11-24	76	180	6.4	13.0	--	5.1
			112GLCLU	83-02-23	76	178	6.7	13.0	--	--
			112GLCLU	83-05-20	76	175	--	14.0	--	2.8
			112GLCLU	83-08-29	76	162	6.3	17.0	--	1.9
404702073305601	N	8888	112GLCLU	82-11-23	111	500	5.0	14.0	765	6.5
			112GLCLU	83-05-24	111	495	6.1	14.0	--	8.2
			112GLCLU	83-08-24	111	420	5.2	21.0	--	5.0

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)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)
82-11-23	300	40	49	280	3.1	1.0	4.0	560	<0.1	9.0	--	--
83-05-24	--	24	29	340	--	2.0	0.7	670	<0.1	7.0	--	--
83-08-24	--	22	24	280	3.0	3.0	4.7	570	<0.1	7.5	--	3.50
82-11-24	54	10	7.1	8.3	1.5	35	20	6.9	<0.1	23	--	--
83-02-23	--	10	6.6	6.5	3.8	22	22	8.5	0.1	21	--	--
83-05-20	--	10	6.5	6.2	1.8	37	20	19	0.1	20	--	--
83-08-29	--	11	6.8	6.2	1.6	39	21	7.7	<0.1	20	--	--
82-11-23	81	25	4.5	50	6.4	11	39	73	<0.1	15	--	--
83-05-24	--	23	4.0	54	6.6	11	36	77	<0.1	14	--	--
83-08-24	--	19	3.3	48	5.7	13	37	58	<0.1	14	--	24.0

DATE OF SAMPLE	NITROGEN, NITRITE TOTAL (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)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN DISSOLVED (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
82-11-23	<0.010	0.030	0.050	0.17	--	3.5	--	0.010	--	1400	1100
83-05-24	<0.010	0.020	--	--	--	--	--	<0.010	<0.010	780	290
83-08-24	0.020	0.060	0.050	--	--	--	--	<0.010	<0.010	680	220
82-11-24	<0.010	0.050	0.050	0.15	--	0.80	--	0.040	--	6400	240
83-02-23	<0.010	0.070	0.050	--	--	--	--	<0.010	0.010	7900	160
83-05-20	<0.010	0.030	0.020	--	--	--	--	<0.010	<0.010	5900	180
83-08-29	0.020	<0.010	--	--	--	--	--	<0.010	--	5900	170
82-11-23	<0.010	<0.010	0.090	--	0.11	12	--	<0.010	--	450	280
83-05-24	<0.010	<0.010	0.020	--	--	--	13	<0.010	<0.010	720	310
83-08-24	0.040	<0.010	0.060	--	--	--	24	<0.010	<0.010	8200	320

WATER GUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

NASSAU COUNTY--Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	HARDNESS (MG/L AS CACO3)
404224073424002	N 12	211MGTY	83-05-12	424	128	6.0	--	--	--
		211MGTY	83-06-06	424	151	5.8	2.0	--	--
404224073424003	N 13	211MGTY	82-12-14	290	212	5.8	--	--	68
		211MGTY	83-07-18	290	297	5.6	4.0	2.6	--
404411073413701	N 14	112GLCLU	83-06-29	108	295	6.2	--	--	--
		112GLCLU	83-07-18	108	308	5.9	1.0	7.9	--
		112GLCLU	83-09-09	108	266	5.8	--	--	--
404650073440901	N 22	211MGTY	83-06-30	150	193	6.6	--	--	--
404833073414701	N 28	112GLCLU	83-02-17	137	121	6.6	--	--	45
404830073414801	N 29	112GLCLU	83-02-17	209	177	6.8	1.0	--	70
404856073442601	N 31	112PGQF	83-06-30	236	348	6.8	--	--	--
405110073430401	N 36	112PGQF	83-05-18	216	250	6.6	4.0	--	--

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	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 LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
83-05-12	15	6.0	1.4	30	0.9	12	18	8.6	10	109	--	0.001
83-06-06	25	--	--	9.7	--	25	24	14	--	--	--	--
82-12-14	34	14	8.2	14	0.8	9.0	51	16	13	128	1.4	0.001
83-07-18	46	--	--	--	--	13	63	18	--	--	--	0.003
83-06-29	39	16	4.9	20	2.2	19	46	33	14	176	--	0.002
83-07-18	78	--	--	--	--	26	43	26	--	--	--	--
83-09-09	60	24	5.8	18	2.2	21	40	30	14	178	--	--
83-06-30	36	14	8.4	8.0	1.3	40	18	12	13	115	--	--
83-02-17	23	9.4	5.2	6.0	1.0	24	7.0	7.5	6.7	62	1.1	0.002
83-02-17	36	15	8.7	7.0	1.7	50	18	10	21	101	1.1	0.003
83-06-30	34	14	12	30	1.4	44	20	67	14	194	--	0.002
83-05-18	71	29	12	10	3.0	73	34	13	16	167	--	0.008

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
83-05-12	60	--	--
83-06-06	30	50	--
82-12-14	60	410	--
83-07-18	--	--	--
83-06-29	--	260	--
83-07-18	--	--	--
83-09-09	--	90	--
83-06-30	--	--	--
83-02-17	--	70	--
83-02-17	--	270	50
83-06-30	--	180	--
83-05-18	200	260	110

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

NASSAU COUNTY--Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	HARDNESS (MG/L AS CACO3)
405113073430201	N 37	112GLCLU	83-05-18	140	300	6.6	--	--	--
403535073352801	N 46	211LLYD	83-01-13	1266	55	5.6	--	9.5	10
403929073382601	N 52	211MGTY	82-11-30	550	34	5.7	--	--	3
		211MGTY	83-05-04	550	30	5.4	--	--	--
403921073353201	N 68	211MGTY	83-07-07	512	28	5.2	--	--	--
404105073373901	N 72	211MGTY	82-11-30	616	30	6.0	--	--	3
		211MGTY	83-05-04	616	28	5.6	--	--	--
404139073383901	N 75	112GLCLU	83-07-06	184	190	5.5	--	--	--
404256073370901	N 79	211MGTY	82-11-23	430	70	4.4	--	0.8	17
		211MGTY	83-02-01	430	64	5.2	--	--	11
404256073371501	N 80	211MGTY	82-11-23	483	33	5.2	5.0	3.9	9
		211MGTY	83-02-01	483	42	5.8	2.0	--	7

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	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 LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
83-05-18	64	26	13	12	2.3	48	38	22	17	181	--	--
83-01-13	--	--	--	8.1	--	7.0	12	7.4	--	42	--	--
82-11-30	1	0.60	0.30	6.0	0.4	2.0	--	4.7	5.9	20	--	0.001
83-05-04	1	0.30	--	4.0	0.4	4.0	--	5.6	5.9	19	--	--
83-07-07	--	--	--	--	0.3	2.0	7.0	4.8	5.8	22	--	0.001
82-11-30	1	0.60	0.40	6.0	0.6	1.0	--	4.4	5.7	19	0.010	--
83-05-04	1	0.30	--	4.0	0.3	1.0	--	4.9	5.8	16	--	0.001
83-07-06	30	12	2.9	17	2.1	3.0	25	28	9.1	80	--	0.001
82-11-23	11	--	1.7	6.8	0.9	2.0	16	10	--	59	--	--
83-02-01	4	1.8	1.2	8.0	0.4	2.0	5.0	9.5	4.5	33	0.12	--
82-11-23	4	--	0.90	4.2	0.6	5.0	--	5.0	--	--	0.70	--
83-02-01	2	1.0	0.90	6.0	0.4	3.0	--	5.5	3.9	23	0.68	0.002

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
83-05-18	--	110	--
83-01-13	--	1800	--
82-11-30	--	240	--
83-05-04	--	310	--
83-07-07	--	650	--
82-11-30	--	160	--
83-05-04	--	200	--
83-07-06	--	690	90
82-11-23	120	900	--
83-02-01	--	600	--
82-11-23	20	120	--
83-02-01	--	680	--

WATER GUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

NASSAU COUNTY--Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	HARDNESS (MG/L AS CACO3)
404306073371001	N 81	211MGTY	82-11-18	416	55	4.6	3.0	1.5	13
		211MGTY	83-06-01	416	64	5.1	1.0	--	--
404308073370601	N 82	211MGTY	82-11-30	542	43	5.5	--	3.3	13
		211MGTY	83-02-01	542	48	5.9	--	--	9
404307073371201	N 83	211MGTY	82-11-18	403	85	4.5	3.0	1.1	23
		211MGTY	83-04-14	403	116	5.2	--	--	23
404352073383001	N 95	211MGTY	83-01-04	539	65	4.9	--	--	14
404448073381201	N 97	211MGTY	82-10-20	375	91	6.5	--	--	15
		211MGTY	83-06-03	375	80	6.0	--	--	--
404539073374201	N 102	112GLCLU	83-05-10	97	303	5.9	3.0	--	--
405244073350901	N 118	211LLYD	83-05-31	477	65	6.0	--	9.3	--
		211LLYD	83-07-14	477	63	6.6	--	--	--
405244073352301	N 119	211LLYD	83-09-30	572	85	6.1	--	8.7	--

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	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 LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
82-11-18	8	--	1.2	4.7	0.5	1.0	10	7.0	--	42	0.50	--
83-06-01	11	4.4	1.1	6.0	0.4	4.0	6.0	11	5.9	38	--	--
82-11-30	8	--	1.3	4.7	0.7	5.0	--	4.0	--	44	2.1	--
83-02-01	3	1.4	1.2	6.0	0.4	5.0	--	7.0	4.8	31	1.5	0.002
82-11-18	14	--	2.2	8.4	0.7	1.0	15	13	--	76	0.60	--
83-04-14	13	5.4	2.4	12	0.8	5.0	28	19	6.3	82	0.98	0.002
83-01-04	8	3.1	1.5	7.4	0.8	4.0	7.0	11	6.6	50	0.80	--
82-10-20	13	5.4	0.20	10	1.4	13	--	9.0	9.4	59	3.6	0.002
83-06-03	13	5.1	1.8	9.0	0.8	9.0	5.0	8.0	9.0	59	--	--
83-05-10	99	40	12	9.0	1.3	9.0	39	17	12	169	--	0.011
83-05-31	12	--	2.1	5.1	0.8	18	--	5.0	--	46	--	--
83-07-14	7	2.9	1.7	7.0	0.3	16	--	5.7	9.9	45	--	0.005
83-09-30	14	--	2.1	6.6	0.8	16	3.0	5.0	--	76	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
82-11-18	--	340	--
83-06-01	--	500	--
82-11-30	60	--	--
83-02-01	--	140	--
82-11-18	--	330	--
83-04-14	--	100	--
83-01-04	160	100	--
82-10-20	--	110	--
83-06-03	--	--	--
83-05-10	70	490	--
83-05-31	--	30	--
83-07-14	--	90	--
83-09-30	90	50	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

NASSAU COUNTY--Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	HARDNESS (MG/L AS CACO3)
403951073341601	N 134	211MGTY	82-10-05	528	19	5.1	--	--	3
		211MGTY	83-02-03	528	23	5.1	--	--	2
404920073293101	N 199	211MGTY	82-11-04	611	49	6.0	--	--	15
		211MGTY	83-02-25	611	47	6.0	--	--	9
		211MGTY	83-05-12	611	51	6.4	--	--	--
404922073292501	N 570	211MGTY	82-11-04	600	81	5.9	--	--	29
405231073323101	N 585	112GLCLU	83-01-25	78	75	6.2	--	9.4	28
		112GLCLU	83-04-06	78	78	6.5	1.0	--	24
405308073300001	N 590	112PGFG	82-10-12	165	165	6.5	2.0	--	74
		112PGFG	83-01-24	165	100	6.5	2.0	--	54

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	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 LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
82-10-05	2	1.0	--	--	--	5.0	--	3.0	5.8	26	0.080	--
83-02-03	2	0.70	--	3.0	--	3.0	--	3.5	6.2	18	0.050	0.001
82-11-04	11	4.5	0.80	5.0	0.3	5.0	3.0	6.2	6.7	44	3.3	--
83-02-25	4	1.8	0.60	6.0	0.7	5.0	--	5.4	6.3	36	2.0	0.002
83-05-12	7	3.5	0.80	4.0	0.4	4.0	--	3.8	6.7	37	--	--
83-04-28	9	3.6	1.0	6.0	0.4	16	--	4.8	6.7	35	--	0.003
82-11-04	18	7.4	1.9	7.0	0.4	5.0	3.0	8.9	6.3	49	2.1	--
83-01-25	16	--	2.8	5.5	0.7	14	10	5.0	--	80	2.2	--
83-04-06	14	5.7	2.4	5.0	0.9	12	10	10	13	65	2.3	0.001
82-10-12	39	16	7.7	10	1.0	18	27	14	16	113	3.3	0.003
83-01-24	28	11	6.3	11	1.0	25	17	13	16	106	3.5	0.002

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
82-10-05	--	150	--
83-02-03	--	140	--
82-11-04	--	60	--
83-02-25	--	--	--
83-05-12	--	80	--
83-04-28	--	200	--
82-11-04	90	1700	--
83-01-25	60	40	--
83-04-06	90	--	--
82-10-12	300	--	90
83-01-24	100	250	--

WATER GUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

NASSAU COUNTY--Continued

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

STATION NUMBER		LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	HARDNESS (MG/L AS CACO3)
404452073265001	N	617	211MGTY	82-10-14	180	289	5.1	--	--	62
			211MGTY	83-01-31	180	386	5.2	2.0	--	65
			211MGTY	83-07-11	180	--	--	--	--	--
			211MGTY	83-07-27	180	362	5.1	1.0	--	--
404811073360201	N	638	211MGTY	83-09-28	560	66	6.3	1.0	--	--
404534073393301	N	650	211MGTY	83-06-22	350	234	6.4	--	--	--
404743073444401	N	687	211LLYD	83-02-17	314	119	7.0	1.0	--	46
404229073424301	N	693	112GLCLU	83-03-28	98	420	5.8	1.0	--	120
			112GLCLU	83-05-12	98	363	6.0	--	--	--
			112GLCLU	83-09-09	98	383	6.2	--	--	--
405231073323004	N	735	112GLCLU	83-04-06	100	86	6.5	1.0	--	27
405231073323005	N	736	112GLCLU	83-04-06	70	90	6.5	--	--	28
404609073421602	N	1102	112GLCLU	82-11-30	166	340	6.7	2.0	--	120

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	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 LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
82-10-14	35	14	6.5	31	5.3	5.0	65	51	6.1	198	3.3	0.014
83-01-31	35	14	6.5	36	7.8	4.0	58	62	5.1	218	5.1	0.012
83-07-11	42	17	7.8	44	10	--	58	99	6.5	306	--	0.017
83-07-27	32	13	7.0	42	7.0	1.0	46	59	5.6	203	--	0.010
83-09-28	13	5.4	0.80	4.0	1.0	7.0	--	5.6	7.5	48	--	0.001
83-06-22	40	16	7.5	18	1.1	23	16	16	11	158	--	0.005
83-02-17	27	11	4.6	5.0	0.8	42	--	8.0	9.8	67	0.29	0.002
83-03-28	82	--	--	31	--	22	57	48	--	--	8.8	--
83-05-12	50	20	3.0	13	1.6	22	48	44	13	219	--	0.007
83-09-09	75	30	7.4	33	3.4	23	51	51	13	240	--	0.003
83-04-06	16	6.3	2.8	--	0.9	11	12	11	14	65	2.3	0.002
83-04-06	17	6.7	2.8	3.0	0.9	12	11	9.5	16	67	2.3	0.001
82-11-30	72	29	14	11	2.3	56	30	18	13	208	13	0.001

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
82-10-14	--	--	330
83-01-31	470	1600	910
83-07-11	860	5700	1500
83-07-27	150	1200	480
83-09-28	--	100	--
83-06-22	60	100	--
83-02-17	--	--	--
83-03-28	--	--	--
83-05-12	--	--	--
83-09-09	--	130	--
83-04-06	--	--	--
83-04-06	--	--	--
82-11-30	--	300	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

NASSAU COUNTY--Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	HARDNESS (MG/L AS CACO3)
404835073404004	N 1120	112GLCLU	82-11-23	100	339	6.5	--	--	130
404359073361604	N 1160	112GLCLU	82-12-01	58	357	5.8	1.0	--	57
		112GLCLU	83-08-25	58	363	6.0	3.0	--	--
404736073353101	N 1176	211MGTY	82-11-09	198	37	6.5	--	--	12
405132073340701	N 1190	112GLCLU	82-10-06	99	121	6.3	--	--	52
404659073332601	N 1194	112GLCLU	82-10-05	100	211	6.0	4.0	--	72
404614073330504	N 1195	211MGTY	82-10-04	116	319	7.2	--	--	180
404453073323902	N 1197	112GLCLU	82-10-04	69	307	5.4	3.0	--	82
404655073444501	N 1298	211LLYD	83-06-30	343	161	6.8	--	--	--
404557073402201	N 1300	211MGTY	83-03-18	375	138	6.8	--	--	48

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	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 LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
82-11-23	67	27	14	13	1.8	47	43	22	20	201	5.7	0.008
82-10-12	86	35	14	20	2.9	59	71	36	11	241	2.9	0.005
82-12-01	43	17	3.1	46	2.1	10	23	65	6.2	172	5.6	0.011
83-08-25	49	20	2.4	48	2.2	12	42	52	5.8	230	--	0.014
82-11-09	5	2.2	0.50	4.0	0.7	6.0	5.0	5.9	6.8	35	0.85	0.006
82-10-06	32	13	3.3	4.0	1.0	10	34	9.0	11	90	1.2	0.004
82-10-05	52	21	4.5	18	1.2	14	40	37	9.7	150	2.1	0.002
82-10-04	130	53	11	13	7.2	138	--	13	4.3	197	0.070	0.009
82-10-04	71	29	2.3	28	5.4	4.0	61	31	10	210	9.0	0.005
83-06-30	35	14	6.8	8.0	0.9	45	13	9.0	11	97	--	0.002
83-03-18	23	9.2	6.1	8.0	1.0	29	11	9.5	12	83	2.0	0.002

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
82-11-23	--	6600	60
82-10-12	100	2600	60
82-12-01	--	520	980
83-08-25	--	1000	840
82-11-09	--	2500	60
82-10-06	210	3400	--
82-10-05	--	760	--
82-10-04	--	2600	520
82-10-04	--	870	240
83-06-30	--	50	--
83-03-18	80	130	--

WATER GUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

NASSAU COUNTY--Continued

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

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)
404713073410501	N 1328	211LLYD	82-10-21	746	49	6.3	--	--	10
404046073354601	N 1601	211MGTY	83-01-12	608	37	4.8	--	--	6
404029073393703	N 1602	211MGTY	82-10-07	488	29	6.0	1.0	--	8
		211MGTY	83-01-11	488	42	5.6	--	--	3
404115073393301	N 1603	211MGTY	83-06-27	539	70	5.5	1.0	--	--
404631073421501	N 1618	211LLYD	83-02-10	556	40	6.6	--	--	8
405231073363401	N 1651	211LLYD	82-10-08	470	101	6.6	--	--	37
		211LLYD	83-07-14	470	110	6.0	--	8.4	--
404359073383201	N 1697	211MGTY	83-02-08	528	60	5.7	--	--	13
404911073411101	N 1716	211LLYD	83-03-23	483	78	6.9	6.0	--	30
404532073420901	N 1802	211LLYD	83-03-30	703	81	6.0	--	--	40

DATE OF SAMPLE	HARD-NESS CAR-BONATE (MG/L-CACO3)	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 LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)
82-10-21	7	2.8	0.60	4.0	0.3	7.0	47	9.0	6.3	76	0.44	0.001
83-01-12	3	1.3	0.10	6.0	0.3	4.0	9.0	6.0	6.1	33	--	--
82-10-07	5	2.1	0.60	4.0	0.4	4.0	16	7.5	7.6	41	0.070	0.002
83-01-11	2	1.0	--	6.0	0.4	3.0	4.0	4.0	7.4	25	0.050	0.001
83-06-27	2	0.90	1.3	7.0	0.8	2.0	10	13	7.0	41	--	0.001
83-02-10	4	1.6	1.0	4.0	0.5	8.0	3.0	2.7	5.8	24	0.14	--
82-10-08	28	11	1.4	9.0	0.7	17	--	12	11	83	3.8	0.003
83-07-14	20	6.6	3.2	7.6	0.8	25	6.0	7.0	9.7	87	--	0.003
83-02-08	8	--	1.3	6.2	1.1	5.0	4.0	6.0	--	50	6.9	--
83-03-23	15	6.2	3.3	6.0	0.8	25	8.0	5.0	15	62	0.50	0.003
83-03-30	19	7.8	4.8	6.0	1.1	9.0	--	5.8	7.6	62	4.0	0.001

DATE OF SAMPLE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
82-10-21	--	80	--
83-01-12	--	1300	--
82-10-07	--	260	--
83-01-11	--	250	--
83-06-27	--	190	--
83-02-10	--	80	--
82-10-08	--	--	--
83-07-14	--	--	--
83-02-08	--	--	--
83-03-23	60	350	--
83-03-30	--	260	--

WATER GUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

NASSAU COUNTY--Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	HARDNESS (MG/L AS CACO3)
404808073391001	N 1870	211MGTY	82-12-16	260	124	6.2	--	--	9
404409073271101	N 1937	211MGTY	83-04-20	150	131	6.5	--	--	--
		211MGTY	83-08-08	150	100	4.6	--	5.0	--
404425073424801	N 1958	211LLYD	83-01-13	737	39	5.6	--	--	6
		211LLYD	83-01-31	737	48	5.2	--	--	12
404731073400701	N 2028	211MGTY	82-10-21	494	226	6.8	--	--	77
		211MGTY	83-06-08	494	183	6.7	--	--	--
404907073410901	N 2030	211MGTY	83-03-23	218	302	6.6	--	--	110
404829073395301	N 2052	211MGTY	82-12-28	331	166	6.3	--	--	56
		211MGTY	83-03-23	331	172	6.5	--	--	56
404107073432801	N 2115	112GLCLU	83-07-18	85	410	5.8	1.0	4.0	--
		112GLCLU	83-09-09	85	349	6.2	--	--	--
		112GLCLU	83-09-13	85	350	6.1	--	--	--

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	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 LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
82-12-16	6	2.3	0.70	5.0	0.2	12	3.0	5.5	7.2	42	2.4	0.002
83-04-20	4	1.8	2.6	20	0.7	23	--	10	5.7	74	--	0.003
83-08-08	7	--	2.5	9.6	1.1	2.0	2.0	11	--	67	--	--
83-01-13	5	1.9	0.20	3.0	0.4	4.0	--	4.5	6.6	22	0.25	--
83-01-31	12	--	--	3.2	--	6.0	6.0	3.0	--	--	--	--
82-10-21	40	16	9.0	11	1.3	58	--	20	20	128	3.7	0.001
83-06-08	39	16	7.8	10	1.2	49	11	14	17	139	--	0.003
83-03-23	77	31	9.9	10	4.5	41	77	14	20	210	4.3	0.002
82-12-28	31	13	5.9	11	0.9	19	9.0	17	11	102	5.1	0.002
83-03-23	31	13	5.9	10	1.2	19	10	19	12	106	5.6	--
83-07-18	78	--	--	--	--	36	42	56	--	--	--	0.003
83-09-09	55	22	6.0	39	5.2	29	43	50	11	216	--	0.001
83-09-13	55	22	5.6	33	5.2	28	40	50	11	208	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
82-12-16	--	140	--
83-04-20	140	130	--
83-08-08	360	50	30
83-01-13	--	--	--
83-01-31	20	20	--
82-10-21	--	70	--
83-06-08	--	100	--
83-03-23	90	220	--
82-12-28	--	190	--
83-03-23	50	100	--
83-07-18	--	--	--
83-09-09	--	490	130
83-09-13	--	560	150

WATER GUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

NASSAU COUNTY--Continued

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

STATION NUMBER		LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)
404826073450401	N	2214	211LLYD	82-10-27	292	384	7.0	--	--	72
			211LLYD	83-04-13	292	362	6.6	1.0	--	120
			211LLYD	83-05-11	292	360	6.7	--	--	--
404138073384201	N	2239	112GLCLU	83-05-17	178	165	5.5	2.0	--	--
404437073295401	N	2240	112GLCLU	82-10-13	89	155	6.1	4.0	--	39
			112GLCLU	83-05-05	89	208	5.8	--	--	--
405106073372501	N	2316	112GLCLU	83-04-28	170	251	6.1	--	--	--
405125073280501	N	2409	112GLCLU	83-04-28	93	41	6.2	--	--	--
404124073420901	N	2413	211MGTY	82-10-01	514	82	6.1	3.0	--	22
			211MGTY	83-07-18	514	121	5.4	1.0	2.6	--
			211MGTY	83-09-13	514	86	5.8	--	--	--
404124073420902	N	2414	112GLCLU	83-03-28	89	204	5.5	--	--	52
			112GLCLU	83-05-12	89	103	6.2	--	--	--
			112GLCLU	83-07-20	89	185	5.9	--	7.2	--

DATE OF SAMPLE	HARD-NESS CAR-BONATE (MG/L-CACO3)	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 LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)
82-10-27	21	8.5	12	27	2.1	79	41	47	19	217	2.8	0.003
83-04-13	69	28	13	26	2.3	74	28	46	19	220	3.2	0.002
83-05-11	75	30	13	25	1.2	77	27	40	19	257	--	0.003
83-05-17	20	8.2	3.1	15	1.1	1.0	37	21	8.4	102	--	0.002
82-10-13	24	9.8	3.4	17	1.1	7.0	22	28	5.5	108	3.7	0.005
83-05-05	24	9.5	1.4	15	1.4	5.0	9.0	45	4.9	110	--	0.023
83-04-28	39	16	6.1	21	1.6	16	39	21	9.8	153	--	0.003
83-04-28	8	3.3	0.30	4.0	0.3	5.0	--	6.8	0.2	24	--	0.002
82-10-01	12	5.0	2.2	--	0.9	5.0	29	8.0	9.5	61	0.030	0.003
83-07-18	10	--	--	--	--	8.0	24	8.0	--	--	--	--
83-09-13	15	6.0	3.0	5.0	0.9	5.0	18	7.1	9.5	55	--	--
83-03-28	38	--	--	12	--	18	33	16	--	--	4.1	--
83-05-12	20	8.0	5.1	8.0	0.6	21	--	6.6	11	89	--	--
83-07-20	--	16	3.3	15	3.3	9.0	35	21	10	128	--	0.002

DATE OF SAMPLE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
82-10-27	--	90	--
83-04-13	--	200	--
83-05-11	--	60	--
83-05-17	--	610	200
82-10-13	170	330	--
83-05-05	180	450	--
83-04-28	200	140	--
83-04-28	--	--	--
82-10-01	--	520	--
83-07-18	--	--	--
83-09-13	--	290	--
83-03-28	--	20	--
83-05-12	--	--	--
83-07-20	--	60	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

NASSAU COUNTY--Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	HARDNESS (MG/L AS CACO3)
404546073390501	N 2487	211MGTY	82-12-29	343	326	6.7	--	--	110
404516073343401	N 2602	211LLYD	82-11-05	805	32	6.4	--	--	6
		211LLYD	83-03-04	805	29	6.4	--	--	4
403955073361501	N 2613	211MGTY	82-10-06	505	33	5.0	2.0	--	6
		211MGTY	83-04-22	505	35	5.3	--	--	--
404943073415201	N 2635	112GRDR	82-11-15	165	172	7.2	--	--	71
404445073365101	N 2748	211MGTY	83-04-07	515	70	5.6	--	--	18
		211MGTY	83-06-28	515	71	6.0	--	--	--
		211MGTY	83-08-03	515	70	6.0	--	--	--
404412073384701	N 3185	211MGTY	82-10-20	468	186	4.1	--	--	15
		211MGTY	82-11-24	468	163	6.7	--	--	37
		211MGTY	83-06-03	468	158	6.0	--	--	--

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	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 LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
82-12-29	67	27	12	23	1.5	32	17	21	16	219	18	0.002
82-11-05	3	1.2	0.60	3.0	0.3	6.0	--	3.5	6.3	19	0.020	0.002
83-03-04	2	1.0	--	4.0	0.3	6.0	13	3.5	6.2	33	0.22	0.001
82-10-06	3	1.2	0.60	3.0	0.1	4.0	20	8.2	6.4	43	0.10	--
83-04-22	2	0.70	0.40	8.0	0.1	5.0	7.0	1.7	6.0	28	--	--
82-11-15	44	18	5.4	27	1.7	88	4.0	6.6	0.7	119	--	0.009
83-04-07	11	--	1.8	5.4	0.8	9.0	--	5.0	--	52	3.2	--
83-06-28	7	2.7	1.4	8.0	0.6	10	--	4.2	8.1	45	--	0.002
83-08-03	8	3.1	1.5	7.0	0.6	5.0	--	8.0	7.8	46	--	0.002
82-11-18	9	3.5	1.4	4.0	0.9	15	--	5.2	13	35	0.86	--
82-10-20	13	5.3	0.20	15	1.4	5.0	--	32	9.6	59	4.0	0.002
82-11-24	21	8.5	3.8	13	1.1	10	11	22	9.6	92	3.8	0.002
83-06-03	23	9.3	3.4	16	1.3	8.0	13	22	9.0	95	--	0.002

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
82-12-29	--	220	--
82-11-05	60	210	--
83-03-04	--	610	--
82-10-06	--	550	--
83-04-22	--	600	--
82-11-15	--	2400	70
83-04-07	--	--	--
83-06-28	--	130	--
83-08-03	--	170	--
82-11-18	--	260	--
82-10-20	--	360	--
82-11-24	--	--	--
83-06-03	--	60	--

WATER GUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

NASSAU COUNTY--Continued

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

STATION NUMBER		LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	HARDNESS (MG/L AS CACO3)
404818073434601	N	3443	211LLYD	82-10-27	471	222	6.8	--	--	88
			211LLYD	83-02-17	471	227	6.8	--	--	92
404310073331601	N	3457	211MGTY	83-03-03	325	350	5.5	--	4.4	100
			211MGTY	83-05-05	325	323	5.6	--	--	--
			211MGTY	83-05-25	325	316	5.7	--	--	--
405115073372501	N	3466	112GLCLU	83-06-02	177	242	6.3	--	--	--
404847073344001	N	3474	211MGTY	83-06-14	517	47	6.1	--	--	--
404850073344501	N	3475	211MGTY	82-11-04	487	68	6.4	--	--	21
			211MGTY	83-06-14	487	68	6.4	--	--	--
405232073323501	N	3486	112GLCLU	83-04-06	102	88	6.5	--	--	28
404804073411301	N	3523	211MGTY	83-03-30	326	106	6.4	--	--	38
405231073323006	N	3561	112GLCLU	83-04-06	120	84	6.4	--	--	28

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	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 LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
82-10-27	47	19	9.8	10	0.8	46	31	19	16	147	2.9	0.001
83-02-17	48	19	11	8.0	1.2	48	--	19	18	139	2.7	--
83-03-03	--	--	--	1.6	--	12	54	31	--	100	15	--
83-05-05	66	27	8.4	14	1.8	6.0	47	31	9.4	196	--	0.005
83-05-25	61	25	8.0	23	1.6	7.0	67	29	9.2	219	--	0.003
83-06-02	41	17	5.5	24	1.6	23	39	22	12	156	--	0.003
83-06-14	3	1.3	0.70	4.0	0.2	7.0	--	6.5	6.6	30	--	0.003
82-11-04	13	5.2	1.9	5.0	0.5	13	4.0	7.1	10	49	1.5	--
83-06-14	11	4.6	1.6	6.0	0.5	12	--	7.3	9.4	45	--	0.005
83-04-06	17	6.7	2.8	5.0	0.9	15	12	7.0	14	68	2.3	--
83-03-30	19	7.8	4.5	7.0	1.0	28	6.0	6.5	13	76	3.1	--
83-04-06	16	6.5	2.8	4.0	0.9	13	12	8.5	15	68	2.3	0.001

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
82-10-27	--	250	--
83-02-17	--	70	--
83-03-03	--	160	--
83-05-05	200	130	--
83-05-25	160	120	--
83-06-02	70	220	--
83-06-14	--	--	--
82-11-04	--	60	--
83-06-14	--	60	--
83-04-06	60	90	--
83-03-30	--	160	--
83-04-06	70	100	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

NASSAU COUNTY--Continued

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

STATION NUMBER		LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	HARDNESS (MG/L AS CACO3)
403848073403401	N	3562	112GLCLU	83-07-22	55	239	6.2	--	--	--
403848073405401	N	3569	211MGTY	83-04-22	402	295	6.0	8.0	--	--
404248073402301	N	3603	211MGTY	83-02-02	498	66	6.4	--	--	14
			211MGTY	83-08-04	498	60	6.0	--	5.2	--
404247073402301	N	3604	211MGTY	82-10-05	498	46	6.0	--	--	15
			211MGTY	83-08-05	498	50	6.0	--	6.0	--
404153073405901	N	3605	211MGTY	83-08-05	443	115	5.3	--	0.8	--
404340073314701	N	3618	211MGTY	83-01-20	420	29	5.2	--	11.6	10
			211MGTY	83-03-31	420	30	5.3	1.0	--	4
404150073373201	N	3668	211MGTY	82-11-23	505	30	4.5	1.0	1.2	8
			211MGTY	83-04-14	505	40	5.4	--	--	2
403536073394401	N	3687	211LLYD	83-03-09	1252	66	5.8	3.0	--	8
			211LLYD	83-05-23	1252	75	6.0	6.0	--	--

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	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 LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
83-07-22	49	20	2.4	17	2.6	20	34	25	3.7	152	--	0.008
83-04-22	43	17	5.5	31	0.8	8.0	50	38	6.7	179	--	0.085
83-02-02	6	2.6	1.9	6.0	0.5	7.0	--	6.5	4.2	39	2.9	0.001
83-08-04	8	--	1.8	5.0	0.7	9.0	--	6.0	--	49	--	--
82-10-05	11	4.4	0.90	4.0	0.5	7.0	--	3.0	8.9	41	2.2	--
83-08-05	6	--	1.3	4.5	0.6	10	--	4.0	--	40	--	--
83-08-05	16	--	3.2	9.1	0.8	5.0	29	8.0	--	92	--	--
83-01-20	--	--	--	2.1	--	5.0	--	8.1	--	36	0.96	--
83-03-31	3	1.4	0.20	3.0	0.4	6.0	--	2.5	5.4	26	1.0	--
82-11-23	5	--	0.70	3.9	0.5	1.0	4.0	5.0	--	34	--	--
83-04-14	2	1.0	0.60	6.0	0.4	4.0	8.0	6.6	5.7	28	0.47	0.001
83-03-09	2	1.0	--	9.0	0.7	8.0	20	9.0	8.1	56	--	0.002
83-05-23	3	1.4	0.70	10	0.6	8.0	21	6.0	7.5	55	--	0.003

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
83-07-22	--	13800	200
83-04-22	--	11000	160
83-02-02	70	--	--
83-08-04	20	--	--
82-10-05	--	--	--
83-08-05	140	30	--
83-08-05	40	800	40
83-01-20	--	80	--
83-03-31	80	70	--
82-11-23	50	550	--
83-04-14	--	680	--
83-03-09	--	3200	90
83-05-23	--	2300	90

WATER GUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

NASSAU COUNTY--Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	HARDNESS (MG/L AS CACO3)
404449073370701	N 3699	211MGTY	83-06-24	89	341	5.9	--	--	--
		211MGTY	83-08-09	89	319	5.8	--	--	--
404132073383302	N 3704	112QLCLU	83-02-07	159	170	5.3	2.0	--	48
404113073403901	N 3720	211MGTY	82-12-14	521	54	5.5	--	--	11
		211MGTY	83-01-31	521	63	5.2	--	--	14
		211MGTY	83-04-14	521	63	5.8	--	--	11
404621073382901	N 3732	211MGTY	83-06-28	355	138	6.2	--	--	--
		211MGTY	83-08-16	355	140	5.8	--	8.1	--
404628073383101	N 3733	211MGTY	83-03-29	455	47	6.0	--	--	10
		211MGTY	83-08-09	455	50	6.0	--	7.5	--
404109073374901	N 3745	211MGTY	82-11-30	597	29	5.6	--	--	3
		211MGTY	83-05-04	597	27	5.4	--	--	--
404048073354501	N 3832	211MGTY	83-09-21	95	327	5.9	--	--	--

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	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 LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
83-06-24	34	14	3.3	43	3.4	12	31	63	7.3	213	--	0.003
83-08-09	43	17	3.1	37	3.7	12	26	57	7.1	195	--	0.004
83-02-07	35	14	2.7	13	2.2	5.0	39	19	9.4	110	1.4	0.001
82-12-14	6	2.4	1.2	4.0	0.3	4.0	6.0	6.3	8.0	31	0.14	--
83-01-31	10	--	--	4.6	--	8.0	12	3.0	--	--	0.10	--
83-04-14	6	2.4	1.0	7.0	0.8	5.0	13	8.0	8.1	44	0.14	--
83-06-28	22	8.8	4.2	10	1.0	17	20	7.5	12	94	--	0.003
83-08-16	25	--	5.0	8.2	1.1	17	15	7.0	--	114	--	--
83-03-29	6	2.5	0.80	6.0	3.1	10	5.0	5.5	7.8	43	1.3	--
83-08-09	7	--	1.3	4.1	0.7	10	--	3.0	--	38	--	--
82-11-30	1	0.50	0.30	3.0	0.6	2.0	3.0	4.2	5.7	19	--	--
83-05-04	--	0.20	--	5.0	0.3	6.0	--	5.4	5.8	21	--	0.002
83-09-21	57	23	5.2	30	4.5	6.0	37	50	7.8	187	--	0.002

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
83-06-24	--	--	--
83-08-09	--	60	--
83-02-07	--	1000	100
82-12-14	--	270	--
83-01-31	--	180	20
83-04-14	--	300	--
83-06-28	--	60	--
83-08-16	--	--	--
83-03-29	--	--	--
83-08-09	20	30	--
82-11-30	--	220	--
83-05-04	--	390	--
83-09-21	100	90	490

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

NASSAU COUNTY--Continued

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

STATION NUMBER		LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	HARDNESS (MG/L AS CACO3)
404624073323301	N	3878	211MGTY	83-06-10	428	80	5.6	--	7.8	--
			211MGTY	83-06-22	428	80	6.1	--	--	--
404321073402101	N	3881	211MGTY	83-01-11	470	95	5.7	--	--	29
			211MGTY	83-01-17	470	110	6.5	--	--	27
405230073372601	N	3892	112GLCLU	82-12-13	251	255	6.1	--	--	78
404119073323001	N	3895	211MGTY	82-10-07	349	145	5.7	--	--	26
			211MGTY	83-09-06	349	170	3.9	--	<1	--
405044073405501	N	3912	112GLCLU	82-12-07	101	244	6.1	--	--	4
404303073372101	N	3926	112GLCLU	83-09-28	67	169	7.7	1.0	--	--
404403073370901	N	3934	211MGTY	83-01-18	422	150	5.2	--	--	43
			211MGTY	83-01-20	422	200	4.3	--	--	38
			211MGTY	83-08-03	422	81	5.8	--	--	--

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	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 LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
83-06-10	13	--	1.8	7.9	0.7	7.0	6.0	9.0	--	104	--	--
83-06-22	8	3.3	1.2	8.0	0.5	9.0	9.0	9.0	8.0	65	--	--
83-01-11	16	--	3.4	7.3	0.9	9.0	3.0	9.0	--	80	7.3	--
83-01-17	15	6.1	2.9	6.0	0.7	8.0	--	11	9.1	61	4.7	0.002
82-12-13	45	18	8.0	16	1.5	18	25	37	12	141	2.7	--
82-10-07	--	--	--	10	--	--	39	14	--	--	--	0.020
83-09-06	--	--	--	11	--	--	39	17	--	133	--	--
82-12-07	2	0.90	0.30	51	0.3	16	40	15	11	165	8.3	0.009
83-09-28	71	29	1.7	5.0	2.0	65	5.0	10	40	133	--	0.005
83-01-18	26	--	4.3	14	1.5	5.0	24	17	--	114	4.1	--
83-01-20	18	7.3	4.9	15	1.5	--	20	24	7.2	99	4.1	--
83-08-03	9	3.8	1.6	8.0	0.6	5.0	--	9.8	7.7	53	--	0.002

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
83-06-10	260	50	--
83-06-22	60	90	--
83-01-11	30	--	--
83-01-17	--	--	--
82-12-13	180	130	--
82-10-07	80	960	30
83-09-06	70	1000	30
82-12-07	90	440	--
83-09-28	--	220	--
83-01-18	--	--	--
83-01-20	--	--	--
83-08-03	--	60	--

WATER GUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

NASSAU COUNTY--Continued

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

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)
404401073370501	N 3935	211MGTY	82-10-06	415	129	5.6	--	--	25
		211MGTY	83-01-17	415	131	5.8	--	--	24
		211MGTY	83-03-08	415	110	5.4	--	--	25
		211MGTY	83-08-03	415	156	5.6	--	--	--
404626073323101	N 3953	211MGTY	83-06-10	419	210	5.5	--	7.3	--
		211MGTY	83-06-22	419	227	5.7	--	--	--
404307073275101	N 4043	211MGTY	83-02-09	374	39	5.1	--	--	4
		211MGTY	83-03-01	374	36	4.1	--	0.8	5
404323073413801	N 4077	112GLCLU	83-03-28	90	226	5.6	--	--	58
		112GLCLU	83-04-14	90	230	5.9	--	--	61
404525073373201	N 4082	211MGTY	82-10-20	467	49	5.8	--	--	10
		211MGTY	83-03-30	467	47	6.4	--	--	10
404636073280701	N 4095	211MGTY	83-03-10	495	59	6.4	--	--	12

DATE OF SAMPLE	HARD-NESS CAR-BONATE (MG/L-CACO3)	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 LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)
82-10-06	18	7.3	1.6	15	0.8	2.0	14	23	7.3	90	4.3	--
83-01-17	14	5.8	1.6	14	0.9	6.0	5.0	18	7.1	71	3.3	0.001
83-03-08	15	--	2.4	14	1.0	4.0	13	16	--	85	4.1	--
83-08-03	20	7.9	3.6	15	1.4	2.0	22	21	7.8	98	--	0.003
83-06-10	40	--	3.7	22	1.4	7.0	25	24	--	202	--	--
83-06-22	34	14	2.7	22	1.1	5.0	18	29	7.9	173	--	0.001
83-02-09	3	1.4	--	--	0.2	2.0	4.0	3.7	4.7	19	0.28	0.002
83-03-01	4	--	0.40	2.8	0.4	--	7.0	2.0	--	--	--	--
83-03-28	42	--	--	16	--	16	29	25	--	--	3.7	--
83-04-14	41	16	4.8	18	2.0	14	18	43	9.6	133	3.0	0.001
82-10-20	9	3.6	--	6.0	0.8	5.0	--	8.0	7.9	37	1.7	--
83-03-30	6	2.6	0.80	6.0	0.6	10	5.0	3.6	7.7	40	1.7	--
83-03-10	11	4.4	--	--	0.3	10	5.0	7.0	5.5	39	1.9	--

DATE OF SAMPLE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
82-10-06	--	160	--
83-01-17	--	--	--
83-03-08	30	--	--
83-08-03	--	70	--
83-06-10	230	80	--
83-06-22	200	50	--
83-02-09	60	470	--
83-03-01	60	290	20
83-03-28	170	--	--
83-04-14	190	80	--
82-10-20	--	70	--
83-03-30	--	--	--
83-03-10	--	520	--

WATER GUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

NASSAU COUNTY--Continued

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

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)
404639073280201	N 4096	211MGTY	82-11-04	499	46	5.4	--	--	12
		211MGTY	83-03-10	499	44	5.8	--	--	5
404631073293901	N 4097	211MGTY	83-04-26	470	120	5.2	--	--	--
404129073384401	N 4118	112GLCLU	83-02-07	204	189	5.0	--	--	44
403941073364201	N 4132	211MGTY	83-01-11	626	34	5.2	--	--	2
404524073363201	N 4206	211MGTY	83-01-05	360	120	5.7	--	--	29
		211MGTY	83-04-28	360	110	5.8	--	--	--
404855073404701	N 4223	112GLCLU	83-04-28	326	165	6.3	--	--	--
405040073283501	N 4243	211MGTY	83-03-30	260	206	6.8	1.0	--	83
404736073321201	N 4245	211MGTY	82-10-28	571	102	6.3	--	--	24
		211MGTY	83-02-25	571	102	6.2	2.0	--	30
		211MGTY	83-05-12	571	200	5.8	--	--	--

DATE OF SAMPLE	HARD-NESS CAR-BONATE (MG/L-CACO3)	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 LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)
82-11-04	9	3.7	0.70	5.0	0.3	2.0	--	6.7	5.6	27	0.78	--
83-03-10	4	1.6	--	4.0	0.4	4.0	6.0	6.5	5.9	36	2.1	--
83-04-26	20	8.0	2.5	10	0.3	9.0	--	15	5.3	83	--	0.003
83-02-07	31	12	2.5	17	2.2	1.0	43	21	8.7	112	0.79	0.001
83-01-11	1	0.40	--	5.0	0.2	4.0	--	3.8	5.8	18	0.030	--
83-01-05	20	8.1	2.1	8.0	1.7	13	--	13	11	79	4.8	0.001
83-04-28	20	--	3.5	7.8	1.4	13	9.0	9.0	--	102	--	--
83-04-28	33	13	6.6	8.0	1.1	30	10	10	17	106	--	0.003
83-03-30	40	16	10	12	1.8	50	12	19	17	103	2.6	0.001
82-10-28	8	3.4	3.2	7.0	0.7	15	--	11	12	63	1.8	--
83-02-25	16	6.5	2.7	8.0	1.1	8.0	3.0	10	11	64	3.5	0.002
83-05-12	17	7.0	3.1	7.0	0.6	12	27	18	11	91	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
82-11-04	--	160	--
83-03-10	--	340	--
83-04-26	--	--	--
83-02-07	--	1500	150
83-01-11	70	410	--
83-01-05	--	--	--
83-04-28	--	--	--
83-04-28	70	100	--
83-03-30	--	200	--
82-10-28	--	--	--
83-02-25	--	--	--
83-05-12	--	--	--

WATER GUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

NASSAU COUNTY--Continued

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

STATION NUMBER		LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	HARDNESS (MG/L AS CACO3)
404802073313201	N	4246	211MGTY	82-10-28	458	192	6.1	--	--	67
404755073372401	N	4265	211MGTY	82-12-16	490	48	5.7	--	--	4
			211MGTY	83-08-11	490	26	5.9	1.0	--	--
404322073413901	N	4298	211MGTY	82-12-14	390	197	6.0	--	--	51
			211MGTY	83-01-13	390	200	6.0	--	--	48
404621073392301	N	4327	211MGTY	83-03-29	430	135	6.0	--	--	43
			211MGTY	83-08-16	430	150	5.8	--	7.8	--
404652073440101	N	4388	211MGTY	83-02-17	145	245	6.8	--	--	100
404514073412402	N	4390	211MGTY	83-01-13	301	277	6.2	--	--	98
			211MGTY	83-01-31	301	308	6.0	--	--	90
405221073300701	N	4400	211MGTY	82-12-27	302	88	7.1	--	--	30
			211MGTY	83-01-18	302	80	6.1	--	5.8	29
			211MGTY	83-01-24	302	87	7.4	--	--	32

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	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 LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
82-10-28	19	7.5	12	50	1.7	7.0	28	20	9.4	171	8.7	0.002
82-12-16	3	1.2	0.30	--	--	4.0	9.0	3.9	5.8	34	0.19	0.002
83-08-11	7	2.7	0.40	4.0	0.2	4.0	--	3.6	5.6	22	--	0.001
82-12-14	33	13	4.4	17	1.3	13	19	26	12	122	4.7	0.001
83-01-13	36	14	3.0	16	1.5	10	13	27	12	112	4.3	0.001
83-03-29	23	9.1	4.8	9.0	1.1	16	5.0	13	9.8	91	6.7	0.001
83-08-16	22	--	5.4	10	1.2	17	8.0	9.0	--	118	--	--
83-02-17	63	25	9.8	10	1.3	45	15	22	17	142	3.3	--
83-01-13	54	22	11	19	1.8	40	20	38	17	169	3.9	--
83-01-31	63	--	--	19	--	39	30	35	--	--	3.4	--
82-12-27	20	7.9	2.5	7.0	0.9	25	4.0	5.4	16	66	1.6	0.002
83-01-18	18	--	2.8	6.0	1.1	25	4.0	4.0	--	67	1.7	--
83-01-24	14	5.5	4.4	6.0	0.8	22	--	6.3	15	61	1.6	0.001

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
82-10-28	--	60	--
82-12-16	120	70	--
83-08-11	--	60	--
82-12-14	--	100	--
83-01-13	--	--	--
83-03-29	--	100	--
83-08-16	--	--	--
83-02-17	--	70	--
83-01-13	--	--	--
83-01-31	--	--	--
82-12-27	--	200	--
83-01-18	20	--	--
83-01-24	--	--	--

WATER GUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

NASSAU COUNTY--Continued

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

STATION NUMBER		LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)
403515073431001	N	4405	211LLYD	83-06-27	1080	109	6.3	--	--	--
403920073404401	N	4411	211MGTY	83-06-15	555	29	5.6	--	--	--
404301073371401	N	4425	211MGTY	82-11-23	365	60	4.3	6.0	1.3	17
			211MGTY	82-12-13	365	73	4.9	2.0	--	20
			211MGTY	83-06-01	365	71	5.1	1.0	--	--
404311073332701	N	4447	211MGTY	83-05-05	335	264	5.3	--	--	--
			211MGTY	83-08-09	335	260	5.0	--	6.0	--
404306073332901	N	4448	211MGTY	83-01-21	555	25	5.7	--	9.0	13
			211MGTY	83-03-21	555	28	6.3	--	--	2
404323073314601	N	4450	211MGTY	83-01-20	472	78	5.0	--	8.0	20
			211MGTY	83-03-21	472	82	5.7	--	--	11
404100073412201	N	4512	211MGTY	83-01-31	509	87	5.3	--	--	26
			211MGTY	83-06-21	509	84	5.7	2.0	--	--

DATE OF SAMPLE	HARD-NESS CAR-BONATE (MG/L-CACO3)	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 LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)
83-06-27	1	0.40	0.90	12	0.8	10	21	14	7.4	69	--	0.002
83-06-15	8	3.3	0.20	4.0	0.5	3.0	5.0	4.4	6.1	26	--	0.002
82-11-23	10	--	1.6	5.6	0.2	1.0	13	8.0	--	59	0.40	--
82-12-13	13	5.1	1.3	6.0	0.3	1.0	6.0	9.3	6.2	38	0.37	0.004
83-06-01	10	4.1	1.4	6.0	0.5	4.0	--	11	6.4	43	--	0.003
83-05-05	40	16	6.3	12	1.5	4.0	35	30	8.2	151	--	0.003
83-08-09	--	--	--	19	--	5.0	32	34	--	181	--	--
83-01-21	--	--	--	2.3	--	7.0	--	8.3	--	24	0.28	--
83-03-21	2	0.70	--	3.0	0.4	4.0	--	4.0	6.5	20	0.69	0.001
83-01-20	--	--	--	5.1	--	5.0	--	17	--	--	3.5	--
83-03-21	9	3.5	0.40	7.0	0.4	1.0	--	13	6.3	42	3.4	--
83-01-31	20	--	--	5.8	--	6.0	19	9.0	--	--	--	--
83-06-21	8	3.3	1.7	7.0	0.6	5.0	--	18	--	34	--	0.002

DATE OF SAMPLE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
83-06-27	--	6000	130
83-06-15	--	180	--
82-11-23	30	440	--
82-12-13	--	790	--
83-06-01	70	610	--
83-05-05	340	220	--
83-08-09	--	40	--
83-01-21	--	80	--
83-03-21	50	100	--
83-01-20	--	60	--
83-03-21	100	130	--
83-01-31	--	430	--
83-06-21	--	620	--

WATER GUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

NASSAU COUNTY--Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	HARDNESS (MG/L AS CACO3)
404154073261801	N 4602	211MGTY	82-11-03	450	74	7.3	--	--	4
		211MGTY	83-06-13	450	34	5.1	1.0	--	--
404722073394801	N 4623	211MGTY	82-12-01	503	144	6.5	--	--	47
		211MGTY	83-08-11	503	153	6.6	1.0	--	--
404207073345501	N 4756	211MGTY	83-09-09	312	35	6.6	--	6.0	--
404209073345501	N 4757	211MGTY	83-01-13	324	24	5.5	--	9.2	9
		211MGTY	83-04-13	324	26	6.1	--	--	2
404209073345001	N 4758	211MGTY	82-11-24	446	26	6.1	--	--	3
		211MGTY	83-01-13	446	22	5.6	--	10.9	9
404206073344802	N 4759	211MGTY	83-09-13	360	55	5.4	--	2.8	--
405010073414201	N 4859	112PGQF	82-11-30	385	134	7.2	--	--	40
		112PGQF	82-12-28	385	143	7.0	6.0	--	46
		112PGQF	83-04-05	385	142	6.9	3.0	--	42

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	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 LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
82-11-03	1	0.60	0.20	17	--	25	7.0	5.0	6.9	54	0.40	0.003
83-06-13	--	--	--	5.0	0.3	8.0	6.0	5.3	5.7	28	--	0.006
82-12-01	25	10	5.3	8.0	0.7	33	--	8.7	11	70	2.8	0.001
83-08-11	32	13	7.1	9.0	1.0	37	--	9.4	10	62	--	0.002
83-09-09	--	--	--	3.0	--	21	--	7.3	--	29	--	--
83-01-13	--	--	--	5.1	--	6.0	--	8.7	--	17	0.43	--
83-04-13	1	0.30	0.40	5.0	0.3	7.0	--	4.3	5.6	26	0.44	0.001
82-11-24	2	0.90	0.20	3.0	0.4	6.0	3.0	4.0	5.7	22	0.22	--
83-01-13	--	--	--	4.7	--	5.0	--	7.7	--	19	0.14	--
83-09-13	--	--	--	3.5	--	15	11	10	--	30	--	--
82-11-30	22	9.0	4.0	13	2.0	55	6.0	6.0	17	91	--	0.001
82-12-28	27	11	4.3	13	1.5	60	9.0	4.8	17	98	0.14	0.002
83-04-05	25	10	3.9	14	1.8	56	8.0	6.0	22	100	0.11	0.001

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
82-11-03	--	900	--
83-06-13	--	770	--
82-12-01	--	160	--
83-08-11	--	230	--
83-09-09	--	--	--
83-01-13	--	30	20
83-04-13	--	--	--
82-11-24	--	--	--
83-01-13	--	30	--
83-09-13	--	--	--
82-11-30	--	440	360
82-12-28	--	560	420
83-04-05	--	250	320

WATER GUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

NASSAU COUNTY--Continued

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

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)
404552073342001	N 5007	211MGTY	82-11-05	259	202	6.2	--	--	57
		211MGTY	83-01-05	259	193	5.9	--	--	58
404647073423501	N 5099	211MGTY	83-02-10	399	112	7.4	--	--	39
403956073410401	N 5121	211MGTY	83-01-15	547	39	5.9	2.0	--	5
403606073303001	N 5129	211MGTY	82-10-29	970	108	6.4	--	--	10
		211MGTY	83-03-31	970	102	6.2	2.0	--	2
404034073431201	N 5145	211MGTY	82-10-06	465	166	5.8	3.0	--	62
404214073262201	N 5147	211MGTY	83-09-03	219	170	4.6	--	1.0	--
404307073274701	N 5148	211MGTY	82-12-01	369	33	5.2	--	--	5
		211MGTY	83-03-15	369	31	4.3	--	0.7	6
		211MGTY	83-05-25	369	33	5.0	--	--	--
405325073351401	N 5152	112PGQF	82-10-08	360	112	6.7	1.0	--	37
		112PGQF	83-07-14	360	120	6.8	--	--	--

DATE OF SAMPLE	HARD-NESS CAR-BONATE (MG/L-CACO3)	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 LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)
82-11-05	36	14	5.2	15	1.0	12	13	11	8.2	123	8.6	0.003
83-01-05	37	15	4.8	16	1.2	11	--	22	8.2	120	10	--
83-02-10	20	8.0	4.7	7.0	1.0	28	4.0	6.4	14	70	1.8	0.001
83-01-15	3	1.3	0.10	4.0	0.5	6.0	3.0	4.1	6.7	24	0.010	--
82-10-29	1	0.50	1.0	20	2.6	25	32	7.5	7.9	89	0.050	0.002
83-03-31	1	0.30	0.10	20	3.1	18	15	3.7	6.9	61	0.060	--
82-10-06	35	14	6.2	9.0	1.1	5.0	73	15	11	134	0.23	0.002
83-09-03	24	--	4.2	12	1.0	--	44	24	--	143	--	--
82-12-01	2	0.80	0.30	5.0	0.1	3.0	--	4.8	4.8	19	0.060	0.001
83-03-15	5	--	0.40	2.4	0.6	--	5.0	3.0	--	23	--	--
83-05-25	3	1.3	0.20	3.0	0.1	5.0	--	4.4	4.9	19	--	0.002
82-10-08	30	12	1.7	7.0	0.8	16	--	15	15	86	3.5	0.002
83-07-14	20	8.1	3.6	11	0.6	24	7.0	9.6	13	83	--	0.006

DATE OF SAMPLE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
82-11-05	--	100	--
83-01-05	--	200	--
83-02-10	--	--	--
83-01-15	--	560	--
82-10-29	--	--	--
83-03-31	--	--	--
82-10-06	--	740	--
83-09-03	--	2300	90
82-12-01	--	780	90
83-03-15	--	380	20
83-05-25	--	500	--
82-10-08	--	80	--
83-07-14	--	--	--

WATER GUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

NASSAU COUNTY--Continued

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

STATION NUMBER		LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	HARDNESS (MG/L AS CACO3)
403941073364501	N	5153	211MGTY	82-10-07	328	81	4.4	2.0	--	13
404237073420401	N	5155	112GLCLU	83-07-18	90	336	6.4	3.0	8.5	--
404239073420201	N	5156	211MGTY	83-06-06	336	152	5.5	3.0	5.6	--
			211MGTY	83-06-29	336	137	5.9	--	--	--
404402073385901	N	5163	211MGTY	83-01-20	480	129	5.8	--	--	35
			211MGTY	83-02-01	480	110	5.9	--	--	34
403932073382001	N	5193	211MGTY	83-05-04	555	34	5.1	--	--	--
403924073392201	N	5194	211MGTY	83-05-04	520	28	5.4	--	--	--
403924073391901	N	5195	211MGTY	82-11-30	340	26	5.4	--	--	2
			211MGTY	83-02-07	340	26	5.2	--	--	2
403532073353401	N	5227	211LLYD	83-01-07	1265	73	6.5	--	3.6	7
			211LLYD	83-03-09	1265	71	5.8	1.0	--	10
			211LLYD	83-05-23	1265	63	6.0	3.0	--	--

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	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 LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
82-10-07	9	3.7	0.60	--	0.2	--	23	16	7.1	59	0.10	--
83-07-18	43	--	--	--	--	38	36	24	--	--	--	--
83-06-06	27	--	--	10	--	15	21	22	--	--	--	--
83-06-29	18	7.2	3.4	11	0.8	11	17	17	11	84	--	0.002
83-01-20	18	7.2	4.1	11	1.1	10	4.0	16	7.7	76	4.3	0.003
83-02-01	20	--	3.6	9.4	1.1	11	8.0	13	--	98	4.5	--
83-05-04	--	0.20	--	5.0	0.3	5.0	--	5.5	6.0	21	--	--
83-05-04	--	0.20	--	5.0	0.3	5.0	--	4.5	5.9	19	--	0.002
82-11-30	1	0.50	0.20	--	0.5	6.0	3.0	4.4	6.1	21	--	--
83-02-07	2	0.70	--	4.0	0.2	3.0	--	4.0	6.4	17	--	--
83-01-07	--	--	--	6.0	--	--	6.0	5.8	--	36	--	--
83-03-09	2	0.80	0.40	11	0.4	7.0	14	8.5	8.1	56	0.040	--
83-05-23	3	1.2	0.60	8.0	0.2	6.0	16	6.5	7.6	47	--	0.002

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
82-10-07	--	850	50
83-07-18	--	--	--
83-06-06	--	--	30
83-06-29	--	160	--
83-01-20	--	--	--
83-02-01	90	--	--
83-05-04	60	650	--
83-05-04	--	300	--
82-11-30	--	220	--
83-02-07	--	140	--
83-01-07	--	650	--
83-03-09	--	3800	80
83-05-23	--	2400	70

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

NASSAU COUNTY--Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	HARDNESS (MG/L AS CACO3)
404135073383701	N 5260	211MGTY	83-05-17	519	47	6.0	2.0	--	--
404246073314301	N 5302	211MGTY	83-07-12	489	27	5.5	--	--	--
		211MGTY	83-08-09	489	27	5.6	--	8.2	--
403520073382901	N 5308	211LLYD	83-03-09	1225	67	5.8	2.0	--	8
		211LLYD	83-05-23	1225	67	5.9	5.0	--	--
404155073345001	N 5318	211MGTY	83-03-03	315	62	5.7	--	7.8	7
		211MGTY	83-06-08	315	27	5.8	--	--	--
404155073344801	N 5320	211MGTY	83-03-03	384	24	5.6	1.0	8.4	4
		211MGTY	83-03-31	384	24	5.6	--	--	2
404245073320201	N 5321	211MGTY	83-01-21	514	40	5.1	--	5.9	24
		211MGTY	83-05-05	514	40	6.0	--	--	--
404232073360501	N 5457	112GLCLU	83-06-08	52	284	5.5	--	--	--

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	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 LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
83-05-17	5	1.9	0.90	5.0	0.4	17	10	6.5	6.9	43	--	--
83-07-12	--	--	--	4.0	0.2	2.0	--	3.9	5.5	16	--	0.002
83-08-09	--	--	--	1.7	--	5.0	--	6.4	--	19	--	--
83-03-09	2	0.70	--	--	0.5	4.0	19	3.5	7.8	40	0.030	--
83-05-23	3	1.4	0.70	7.0	0.5	5.0	16	5.1	7.8	45	--	0.002
83-03-03	--	--	--	18	--	7.0	--	6.4	--	28	0.17	--
83-06-08	3	1.3	0.30	4.0	0.4	6.0	--	5.1	5.5	22	--	0.002
83-03-03	--	--	--	2.4	--	5.0	5.0	5.8	--	10	0.15	--
83-03-31	1	0.40	0.10	--	0.3	5.0	--	1.6	5.5	20	0.22	--
83-01-21	--	--	--	5.3	--	5.0	--	13	--	39	0.080	--
83-05-05	1	0.60	0.10	4.0	0.4	4.0	--	9.8	6.1	25	--	0.002
83-06-08	70	28	3.5	24	2.3	6.0	39	44	6.4	169	--	0.002

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
83-05-17	--	660	--
83-07-12	--	80	--
83-08-09	--	--	--
83-03-09	--	3700	100
83-05-23	100	2800	90
83-03-03	160	160	20
83-06-08	--	90	--
83-03-03	--	20	20
83-03-31	--	70	--
83-01-21	--	60	--
83-05-05	120	320	--
83-06-08	--	210	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

NASSAU COUNTY--Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	HARDNESS (MG/L AS CACO3)
404419073364304	N 5484	211MGTY	82-11-10	575	71	5.9	--	--	13
		211MGTY	83-01-13	575	66	5.3	--	9.1	20
		211MGTY	83-05-23	575	69	6.2	--	--	--
		211MGTY	83-08-10	575	68	5.8	--	--	--
404617073414401	N 5535	211MGTY	83-09-28	390	125	7.3	--	--	--
404453073372501	N 5596	211MGTY	82-10-20	468	82	5.9	--	--	14
		211MGTY	83-08-03	468	120	5.7	--	--	--
		211MGTY	83-08-08	468	85	6.0	--	--	--
404517073402301	N 5603	211MGTY	83-02-03	420	140	6.1	--	--	51
404112073371601	N 5653	211MGTY	83-01-12	581	31	5.4	--	--	4
404541073333501	N 5655	211MGTY	83-07-14	260	140	5.4	--	7.0	--
		211MGTY	83-07-19	260	144	5.6	--	--	--
		211MGTY	83-08-16	260	132	5.5	--	--	--
403948073392901	N 5656	211MGTY	83-01-12	500	34	5.4	--	--	3

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	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 LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
82-11-10	6	2.5	1.7	11	0.7	5.0	4.0	11	6.8	55	3.3	--
83-01-13	--	--	--	7.7	--	7.0	--	13	--	50	2.5	--
83-05-23	9	3.5	1.7	6.0	0.3	5.0	--	9.9	6.7	46	--	--
83-08-10	6	2.4	1.7	7.0	0.8	3.0	--	8.5	6.4	45	--	--
83-09-28	27	11	5.5	4.0	1.5	34	--	5.5	17	81	--	0.001
82-10-20	7	2.7	1.7	7.0	0.9	6.0	--	10	7.8	52	4.0	0.001
83-08-03	12	4.9	1.7	15	0.8	2.0	8.0	21	7.1	76	--	0.001
83-08-08	12	4.8	1.9	8.0	0.6	5.0	--	5.6	5.7	49	--	0.001
83-02-03	26	--	6.0	8.1	1.5	19	15	16	--	125	4.7	--
83-01-12	3	1.3	0.10	5.0	0.2	3.0	4.0	4.6	5.7	23	0.010	--
83-07-14	19	--	2.5	12	0.8	6.0	2.0	12	--	110	--	--
83-07-19	16	6.5	2.5	13	0.3	5.0	--	17	7.2	88	--	0.005
83-08-16	26	11	2.6	15	0.8	4.0	--	18	7.4	102	--	0.003
83-01-12	2	1.0	--	6.0	0.4	4.0	3.0	4.3	6.2	24	0.10	0.001

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
82-11-10	110	70	--
83-01-13	--	130	--
83-05-23	--	--	--
83-08-10	--	60	--
83-09-28	--	210	--
82-10-20	--	100	--
83-08-03	--	60	--
83-08-08	--	--	--
83-02-03	--	--	--
83-01-12	--	220	--
83-07-14	40	--	--
83-07-19	--	70	--
83-08-16	--	200	--
83-01-12	--	140	--

WATER GUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

NASSAU COUNTY--Continued

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

STATION NUMBER		LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)
405259073341301	N	5672	112GLCLU	83-09-27	121	115	6.6	9.0	--	--
403923073354301	N	5695	211MGTY	83-07-07	529	30	5.0	--	--	--
403946073341601	N	5696	211MGTY	83-02-03	523	23	5.3	--	--	2
404154073261803	N	5703	211MGTY	83-04-04	459	33	4.7	--	--	3
			211MGTY	83-06-13	459	26	5.0	--	--	--
404559073414901	N	5710	211MGTY	83-05-20	390	199	7.1	--	--	--
405129073361501	N	5762	211MGTY	83-03-22	283	138	6.7	2.0	--	42
404054073294901	N	5767	211MGTY	83-09-01	384	40	4.6	--	--	--
405014073373601	N	5792	112GLCLU	82-12-29	300	190	6.4	--	--	63
			112GLCLU	83-03-25	300	196	6.1	--	--	58
404808073374601	N	5852	211MGTY	83-05-19	487	75	6.6	--	--	--

DATE OF SAMPLE	HARD-NESS CAR-BONATE (MG/L-CACO3)	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 LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)
83-09-27	21	--	4.0	6.4	0.8	18	21	2.0	--	89	--	--
83-07-07	--	--	--	3.0	0.3	4.0	7.0	3.7	5.9	23	--	0.002
83-02-03	2	0.80	--	4.0	0.2	1.0	--	3.0	6.2	17	0.020	--
83-04-04	2	0.70	0.10	--	0.8	6.0	7.0	4.8	5.4	24	--	--
83-06-13	--	--	--	4.0	0.1	3.0	43	5.8	5.3	19	--	0.007
83-05-20	36	14	9.0	8.0	1.2	48	16	14	17	120	--	0.002
83-03-22	26	11	3.6	8.0	0.7	19	13	12	15	94	4.2	0.003
83-09-01	--	--	--	3.3	--	--	6.0	10	--	126	--	--
82-12-29	41	17	5.2	12	2.2	21	32	20	9.3	126	3.7	--
83-03-25	39	--	--	11	--	18	27	14	--	--	4.0	--
83-05-19	12	4.8	1.9	6.0	0.5	9.0	4.0	7.0	7.6	47	--	0.004

DATE OF SAMPLE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
83-09-27	100	2800	120
83-07-07	50	370	--
83-02-03	--	250	--
83-04-04	--	320	--
83-06-13	--	410	--
83-05-20	--	70	--
83-03-22	80	670	--
83-09-01	80	330	--
82-12-29	--	--	--
83-03-25	--	30	--
83-05-19	--	--	--

WATER GUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

NASSAU COUNTY--Continued

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

STATION NUMBER		LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)
404858073411501	N	5876	112GLCLU	83-04-05	243	118	6.9	1.0	--	42
404756073425801	N	5884	211MGTY	82-10-27	163	487	6.8	--	--	57
			211MGTY	83-04-13	163	409	6.6	--	--	97
404645073390501	N	5947	211MGTY	83-06-28	370	185	6.2	--	--	--
			211MGTY	83-08-09	370	180	6.0	--	7.2	--
405211073371801	N	5994	211MGTY	83-01-17	226	131	6.4	--	--	43
404650073291102	N	6076	211MGTY	83-03-10	358	155	5.5	--	--	36
404651073291301	N	6077	211MGTY	83-03-10	465	42	5.8	--	--	4
404537073284801	N	6078	211MGTY	83-07-01	280	260	5.8	--	--	--
			211MGTY	83-07-26	280	290	5.5	--	--	--
405010073414401	N	6087	112GLCLU	83-04-05	95	274	6.6	--	--	100
404908073275101	N	6092	211MGTY	83-05-06	637	24	6.7	--	--	--

DATE OF SAMPLE	HARD-NESS CAR-BONATE (MG/L-CACO3)	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 LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)
83-04-05	22	8.8	4.8	6.0	1.2	25	15	9.0	20	91	2.6	0.002
82-10-27	36	15	4.8	12	0.8	46	34	98	15	217	2.1	--
83-04-13	50	20	11	43	1.9	43	29	77	15	233	2.3	0.001
83-06-28	26	10	5.5	12	1.2	16	16	19	11	109	--	0.004
83-08-09	28	--	6.5	13	1.3	21	14	17	--	132	--	--
83-01-17	27	11	3.9	7.0	1.0	20	10	11	14	84	3.1	0.001
83-03-10	23	9.2	2.9	11	0.7	3.0	9.0	19	6.9	102	9.3	--
83-03-10	3	1.4	--	4.0	0.4	6.0	--	6.0	6.1	30	1.9	--
83-07-01	49	20	7.6	18	1.4	6.0	31	23	7.9	192	--	0.004
83-07-26	48	--	8.2	19	1.4	6.0	21	16	--	250	--	--
83-04-05	71	29	8.2	17	2.0	47	28	32	20	179	3.5	0.001
83-05-06	5	2.0	0.50	--	0.3	3.0	--	4.7	5.5	21	--	0.001

DATE OF SAMPLE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
83-04-05	--	--	--
82-10-27	110	150	--
83-04-13	--	--	--
83-06-28	--	--	--
83-08-09	--	20	--
83-01-17	--	70	--
83-03-10	--	360	--
83-03-10	--	400	--
83-07-01	--	--	--
83-07-26	90	20	--
83-04-05	--	--	--
83-05-06	50	70	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

NASSAU COUNTY--Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	HARDNESS (MG/L AS CACO3)
404609073392901	N 6119	211MGTY	83-09-22	181	320	6.2	--	--	--
404004073392201	N 6146	211MGTY	82-10-07	503	42	5.4	1.0	--	8
		211MGTY	83-04-22	503	42	5.5	1.0	--	--
404218073273301	N 6148	211MGTY	83-03-15	566	33	4.3	--	1.1	5
		211MGTY	83-05-25	566	31	4.6	--	--	--
404246073290301	N 6150	211MGTY	83-05-25	612	27	--	--	--	--
404707073305301	N 6190	211MGTY	83-05-25	605	110	5.7	--	--	--
404706073305201	N 6191	211MGTY	83-03-18	555	240	6.0	--	8.3	80
		211MGTY	83-09-22	555	265	6.2	--	--	--
404517073310201	N 6192	211MGTY	83-06-01	632	48	6.0	--	--	--
404517073310501	N 6193	211MGTY	83-08-08	472	158	5.6	--	7.7	--
		211MGTY	83-08-09	472	161	5.5	--	--	--

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	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 LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
83-09-22	66	27	12	21	4.3	27	36	45	12	209	--	0.003
82-10-07	6	2.3	0.40	4.0	0.4	5.0	16	7.1	7.4	41	0.11	0.001
83-04-22	3	1.4	0.80	8.0	0.2	4.0	10	1.6	6.2	31	--	0.001
83-03-15	4	--	0.40	3.6	0.6	--	--	2.0	--	27	--	--
83-05-25	3	1.2	0.20	3.0	0.1	1.0	6.0	3.6	5.4	21	--	0.001
83-05-25	3	1.1	0.20	4.0	0.1	4.0	--	3.7	5.6	18	--	0.001
83-05-25	16	6.6	2.3	10	0.6	7.0	--	14	6.6	69	--	0.002
83-03-18	49	--	7.5	15	1.7	7.0	37	24	--	194	9.2	--
83-09-22	18	7.4	7.4	18	1.8	5.0	32	32	7.2	158	--	0.002
83-06-01	7	2.7	0.90	6.0	0.9	4.0	--	8.0	5.8	34	--	0.002
83-08-08	16	6.5	2.7	18	0.8	2.0	--	22	6.9	106	--	0.001
83-08-09	19	7.8	2.3	18	0.9	3.0	--	23	6.9	112	--	0.004

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
83-09-22	--	90	--
82-10-07	--	380	--
83-04-22	--	160	--
83-03-15	20	280	--
83-05-25	--	300	--
83-05-25	--	300	--
83-05-25	110	60	--
83-03-18	490	20	--
83-09-22	870	120	--
83-06-01	--	170	--
83-08-08	880	20	--
83-08-09	810	60	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

NASSAU COUNTY--Continued

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

STATION NUMBER		LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	HARDNESS (MG/L AS CACO3)
404525073362602	N	6315	211MGTY	83-04-21	353	100	6.0	--	--	--
			211MGTY	83-06-28	353	106	6.1	--	--	--
404443073385901	N	6320	112GLCLU	83-07-07	78	263	6.0	--	--	--
404216073302801	N	6413	112GLCLU	83-07-07	52	287	5.8	1.0	--	--
404123073285002	N	6443	211MGTY	82-11-03	268	187	5.3	--	--	12
			211MGTY	83-06-13	268	175	5.0	1.0	--	--
404357073390501	N	6502	112GLCLU	82-11-17	90	266	6.0	--	--	60
			112GLCLU	83-07-08	90	390	6.1	1.0	--	--
404714073310001	N	6531	112GLCLU	83-05-05	119	339	5.8	7.0	--	--
404630073293801	N	6580	211MGTY	82-11-04	601	26	5.9	--	--	5
			211MGTY	82-11-29	601	27	6.2	--	--	6
			211MGTY	83-04-04	601	27	5.6	--	--	2
403642073433202	N	6610	211MGTY	83-05-10	230	79	6.4	--	--	--

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	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 LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
83-04-21	18	--	3.1	7.8	0.9	13	7.0	7.0	--	77	--	--
83-06-28	13	5.4	2.2	10	0.8	11	8.0	7.3	11	70	--	0.002
83-07-07	54	22	4.1	19	2.5	15	30	35	12	161	--	0.002
83-07-07	50	20	2.7	25	5.5	6.0	37	26	11	195	--	0.047
82-11-03	1	0.50	0.10	14	0.7	1.0	43	23	11	99	--	--
83-06-13	22	8.9	3.5	14	0.4	5.0	26	23	7.5	90	--	0.004
82-11-17	46	18	3.2	50	2.6	6.0	33	49	11	188	3.8	0.003
83-07-08	60	24	5.7	40	4.8	10	25	77	13	213	--	0.003
83-05-05	46	18	3.7	23	3.3	13	23	63	9.2	176	--	0.005
82-11-04	4	1.6	0.10	4.0	--	3.0	--	4.7	5.8	19	0.010	0.001
82-11-29	4	1.5	0.50	--	0.2	6.0	--	5.2	5.8	23	0.82	--
83-04-04	2	0.70	0.10	3.0	0.2	5.0	--	3.4	5.6	20	0.86	--
83-05-10	17	7.0	9.2	5.0	1.6	28	--	7.2	9.6	68	--	0.003

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
83-04-21	--	--	--
83-06-28	--	60	--
83-07-07	--	50	--
83-07-07	--	420	1400
82-11-03	60	5600	120
83-06-13	70	4000	100
82-11-17	320	250	--
83-07-08	--	760	--
83-05-05	110	890	50
82-11-04	--	130	--
82-11-29	--	150	--
83-04-04	--	--	--
83-05-10	--	10600	140

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

NASSAU COUNTY--Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	HARDNESS (MG/L AS CACO3)
404409073271301	N 6644	211MGTY	82-10-14	227	84	4.9	--	--	19
		211MGTY	83-01-31	227	78	5.0	--	--	12
		211MGTY	83-04-20	227	74	5.1	--	--	--
		211MGTY	83-07-26	227	82	5.0	--	--	--
		211MGTY	83-08-08	227	80	4.9	--	7.1	--
404757073315401	N 6651	211MGTY	82-10-28	615	98	6.2	--	--	33
		211MGTY	83-02-25	615	98	6.7	--	--	26
403634073255101	N 6657	211MGTY	82-10-29	294	78	6.6	--	--	17
		211MGTY	83-03-28	294	84	6.4	3.0	--	25
404755073305301	N 6741	211MGTY	83-04-22	423	291	5.7	1.0	--	--
404238073420501	N 6744	112GLCLU	83-03-04	94	298	6.5	--	--	47
		112GLCLU	83-07-18	94	352	6.5	--	8.1	--
404257073371201	N 6769	112GLCLU	83-09-28	37	297	6.2	--	--	--
403931073381701	N 6817	211MGTY	83-02-07	563	30	5.0	--	--	3

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	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 LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
82-10-14	7	2.8	2.6	9.0	0.7	5.0	11	13	6.1	65	3.7	--
83-01-31	5	2.2	1.5	10	0.7	2.0	--	12	1.3	44	3.4	--
83-04-20	4	1.7	1.7	12	0.7	6.0	--	8.1	5.3	50	--	0.002
83-07-26	7	2.9	0.90	11	2.4	1.0	--	10	5.7	51	--	--
83-08-08	7	--	1.5	8.6	1.2	2.0	--	9.0	--	54	--	--
82-10-28	20	7.9	3.2	7.0	0.5	11	--	10	11	74	4.1	0.002
83-02-25	15	6.1	2.5	8.0	0.9	12	--	9.8	10	65	4.1	0.002
82-10-29	1	0.60	0.20	9.0	5.3	17	--	12	4.8	51	0.20	0.002
83-03-28	2	1.0	0.20	6.0	6.4	23	23	23	7.6	--	0.68	0.003
83-04-22	46	18	5.6	32	0.8	6.0	48	37	7.9	172	--	0.006
83-03-04	38	15	2.2	44	1.6	53	30	26	14	187	4.9	0.003
83-07-18	45	--	--	--	--	43	38	31	--	--	--	--
83-09-28	90	36	4.9	19	2.7	39	7.0	33	4.8	144	--	0.003
83-02-07	2	0.90	--	4.0	0.2	2.0	--	4.0	6.3	17	0.10	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
82-10-14	60	580	--
83-01-31	90	--	--
83-04-20	70	--	--
83-07-26	--	60	--
83-08-08	40	--	--
82-10-28	--	60	--
83-02-25	--	--	--
82-10-29	70	8000	140
83-03-28	--	12000	100
83-04-22	--	300	--
83-03-04	--	230	--
83-07-18	--	--	--
83-09-28	--	--	--
83-02-07	--	290	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

NASSAU COUNTY--Continued

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

STATION NUMBER		LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	HARDNESS (MG/L AS CACO3)
404445073332601	N	6848	211MGTY	83-09-23	104	350	5.1	--	--	--
404041073283601	N	6866	211MGTY	82-11-03	626	23	5.4	--	--	15
			211MGTY	83-04-04	626	23	5.2	1.0	--	2
404043073283601	N	6867	211MGTY	83-04-04	492	28	5.0	1.0	--	5
404046073354501	N	6893	211MGTY	83-01-12	565	29	5.4	--	--	3
404400073283201	N	6915	211MGTY	83-03-11	516	40	6.1	--	--	3
			211MGTY	83-06-07	516	35	5.0	--	2.8	--
403802073404101	N	6965	112JMCO	83-07-20	137	84	5.6	36	--	--
403620073441801	N	7000	112JMCO	83-04-15	110	114	6.9	21	--	51
403934073420901	N	7006	112GLCLU	83-04-22	30	169	6.7	1.0	--	--
404635073331001	N	7030	211MGTY	82-10-28	531	142	6.2	--	--	36
			211MGTY	83-05-06	531	100	6.2	--	--	--

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	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 LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
83-09-23	41	16	3.9	18	3.4	3.0	93	31	0.9	184	--	0.007
82-11-03	10	4.0	1.0	3.0	0.6	3.0	--	4.0	7.0	24	--	0.001
83-04-04	1	0.40	0.10	--	0.4	6.0	7.0	3.2	5.5	24	0.010	0.002
83-04-04	4	1.5	0.10	--	0.1	7.0	10	3.7	5.5	28	--	--
83-01-12	2	0.80	0.10	4.0	0.3	4.0	3.0	4.2	5.6	21	0.030	0.001
83-03-11	2	1.0	--	6.0	0.3	5.0	--	7.5	5.9	29	1.1	--
83-06-07	4	--	0.50	3.9	0.5	2.0	--	4.0	--	--	--	--
83-07-20	6	2.4	0.90	13	1.4	5.0	--	14	8.3	55	--	0.045
83-04-15	29	12	3.6	7.0	1.7	44	28	9.7	26	118	0.080	0.009
83-04-22	52	21	3.3	10	0.6	39	19	11	12	101	--	0.003
82-10-28	17	6.9	4.4	8.0	0.7	8.0	30	12	9.0	99	5.2	0.001
83-05-06	25	10	4.5	5.0	0.6	10	18	12	8.9	68	--	0.002

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
83-09-23	--	6600	100
82-11-03	60	440	--
83-04-04	--	260	--
83-04-04	--	250	--
83-01-12	--	500	--
83-03-11	--	380	--
83-06-07	20	160	--
83-07-20	60	3600	80
83-04-15	--	3800	110
83-04-22	--	740	--
82-10-28	--	120	--
83-05-06	--	--	--

WATER GUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

NASSAU COUNTY--Continued

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

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)
404319073400001	N 7058	211MGTY	83-01-17	445	106	6.3	--	--	26
		211MGTY	83-03-08	445	90	5.9	--	--	29
404339073304401	N 7076	211MGTY	83-01-20	674	37	5.7	--	6.6	13
		211MGTY	83-04-15	674	25	6.6	--	--	3
405031073331401	N 7115	211MGTY	83-09-26	274	90	6.7	--	--	--
404213073405801	N 7117	211MGTY	83-02-02	491	57	6.0	--	--	11
		211MGTY	83-08-04	491	55	5.7	--	1.3	--
403759073412201	N 7133	112JMCO	83-07-20	150	540	5.6	11	--	--
405058073411102	N 7157	112GLCLU	83-05-18	243	219	6.6	--	--	--
404745073424701	N 7216	112GLCLU	83-03-18	117	88	6.8	--	--	15
404235073350501	N 7362	112GLCLU	83-07-06	58	264	6.3	5.0	--	--
404312073274801	N 7377	211MGTY	83-05-25	758	25	5.4	2.0	--	--

DATE OF SAMPLE	HARD-NESS CAR-BONATE (MG/L-CACO3)	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 LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)
83-01-17	15	6.2	2.6	6.0	0.8	8.0	3.0	8.4	10	61	4.3	0.001
83-03-08	15	--	3.4	6.8	0.8	9.0	6.0	8.0	--	68	5.4	--
83-01-20	--	--	--	3.2	--	11	--	10	--	41	0.23	--
83-04-15	1	0.60	0.40	5.0	0.2	6.0	--	3.8	5.8	23	0.30	--
83-09-26	23	9.3	2.0	6.0	0.8	14	8.0	2.0	12	56	--	0.010
83-02-02	4	1.8	1.6	7.0	0.5	4.0	6.0	6.0	4.3	33	0.83	0.002
83-08-04	7	--	1.3	5.1	0.7	6.0	9.0	6.0	--	44	--	--
83-07-20	77	31	12	61	4.3	12	38	95	11	274	--	0.011
83-05-18	40	16	7.5	22	1.5	46	3.0	11	17	119	--	--
83-03-18	15	6.0	3.2	4.0	0.7	26	--	6.0	13	54	1.2	0.001
83-07-06	33	13	2.7	33	2.1	8.0	32	49	7.5	161	--	0.005
83-05-25	3	1.2	0.20	3.0	0.1	5.0	--	3.7	5.7	18	--	0.004

DATE OF SAMPLE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
83-01-17	--	--	--
83-03-08	--	--	--
83-01-20	--	--	--
83-04-15	--	--	--
83-09-26	--	860	--
83-02-02	--	--	--
83-08-04	--	--	--
83-07-20	80	4100	750
83-05-18	--	100	--
83-03-18	--	120	--
83-07-06	100	540	60
83-05-25	--	750	--

WATER GUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

NASSAU COUNTY--Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	HARDNESS (MG/L AS CACO3)
404002073333213	N 7407	211MGTY	82-10-01	648	65	5.0	--	0.5	7
		211MGTY	82-12-03	648	26	5.2	2.0	--	3
		211MGTY	83-08-30	648	26	5.5	--	4.6	--
404056073261101	N 7414	211MGTY	82-10-28	533	35	6.5	2.0	0.95	4
		211MGTY	82-12-03	533	35	5.4	6.0	--	5
		211MGTY	83-04-21	533	29	5.2	2.0	--	--
		211MGTY	83-09-06	533	32	5.4	3.0	--	--
404557073270502	N 7421	211MGTY	83-04-26	564	65	5.1	--	--	--
404513073412401	N 7445	211MGTY	83-06-06	453	94	6.2	1.0	6.6	--
		211MGTY	83-06-21	453	88	6.3	--	--	--
404848073344301	N 7446	211MGTY	83-06-06	498	152	6.1	--	--	--
404855073360102	N 7450	112GLCLU	82-10-06	134	117	6.8	--	--	57
404039073255901	N 7464	112GLCLU	82-11-05	35	208	7.5	--	--	130

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	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 LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
82-10-01	--	--	--	2.7	--	3.0	3.0	3.0	--	32	--	--
82-12-03	1	0.60	0.20	3.0	0.3	4.0	3.0	4.1	5.5	19	--	--
83-08-30	--	--	--	2.9	--	3.0	3.0	9.0	--	--	--	--
82-10-28	--	--	--	2.8	--	2.0	4.0	5.0	--	34	--	--
82-12-03	2	0.90	0.50	3.0	0.5	2.0	5.0	4.9	5.9	22	0.020	0.001
83-04-21	1	0.60	0.90	5.0	0.3	1.0	5.0	2.5	5.9	21	--	0.001
83-09-06	--	--	--	2.8	--	9.0	4.0	6.0	--	--	--	--
83-04-26	7	3.4	0.90	5.0	0.3	6.0	--	11	5.3	43	--	0.002
83-06-06	17	--	--	5.7	--	21	4.0	8.0	--	--	--	--
83-06-21	11	4.6	2.8	7.0	0.6	16	--	9.0	--	43	--	--
83-06-06	14	4.7	2.2	4.0	0.5	14	--	7.7	11	53	--	0.001
82-10-06	37	15	4.1	4.0	1.7	27	37	7.1	7.4	--	2.5	0.010
82-11-05	--	43	6.0	21	2.7	58	16	20	8.8	156	0.24	0.030

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
82-10-01	30	300	--
82-12-03	--	210	--
83-08-30	60	530	--
82-10-28	20	440	--
82-12-03	130	360	--
83-04-21	70	340	--
83-09-06	10	360	10
83-04-26	--	--	--
83-06-06	20	--	--
83-06-21	60	60	--
83-06-06	--	--	--
82-10-06	--	1400	100
82-11-05	80	3600	930

WATER GUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

NASSAU COUNTY--Continued

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

STATION NUMBER		LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)
404029073260101	N	7465	112GLCLU	82-11-05	35	331	6.8	--	--	74
404109073432901	N	7482	211MGTY	83-03-28	440	139	5.5	1.0	--	36
			211MGTY	83-06-21	440	125	5.8	--	--	--
404418073345401	N	7500	211MGTY	83-02-04	458	41	6.3	--	--	8
			211MGTY	83-04-18	458	44	6.4	--	--	--
404536073410301	N	7512	211MGTY	82-10-20	380	130	6.3	--	--	52
404652073372802	N	7513	211MGTY	83-06-03	475	42	7.2	--	--	--
404337073271101	N	7515	211MGTY	83-03-01	352	46	4.0	1.0	0.8	5
			211MGTY	83-05-25	352	50	4.4	--	--	--
404337073271102	N	7516	211MGTY	83-02-09	589	26	5.2	--	--	4
			211MGTY	83-03-15	589	25	4.5	5.0	1.6	4
403948073392902	N	7521	211MGTY	82-10-06	560	33	5.2	1.0	--	6
			211MGTY	83-04-22	560	29	5.8	--	--	--

DATE OF SAMPLE	HARD-NESS CAR-BONATE (MG/L-CACO3)	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 LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)
82-11-05	38	15	3.3	34	5.0	63	46	35	11	227	0.96	0.070
83-03-28	22	--	--	8.4	--	--	27	11	--	--	--	--
83-06-21	13	5.4	3.9	9.0	0.7	6.0	--	20	--	83	--	0.001
83-02-04	6	2.4	0.40	6.0	0.3	5.0	--	4.0	7.6	24	1.7	0.001
83-04-18	5	2.0	1.2	7.0	0.4	7.0	--	5.3	7.1	38	--	--
82-10-20	26	--	6.5	7.6	1.0	33	12	10	--	108	3.6	--
83-06-03	5	2.0	0.60	6.0	0.6	5.0	--	6.2	6.6	33	--	--
83-03-01	3	--	0.40	3.9	0.4	--	8.0	3.0	--	33	--	--
83-05-25	3	1.2	0.20	4.0	0.1	2.0	13	5.4	5.5	32	--	0.001
83-02-09	2	0.90	--	--	0.2	1.0	3.0	3.1	5.6	24	0.040	0.002
83-03-15	3	--	0.30	2.2	0.5	--	5.0	2.0	--	21	--	--
82-10-06	3	1.2	0.60	4.0	0.4	1.0	11	7.5	6.3	32	0.070	--
83-04-22	1	0.60	0.50	7.0	0.2	4.0	--	1.6	6.0	18	--	0.001

DATE OF SAMPLE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
82-11-05	170	12500	21500
83-03-28	20	190	60
83-06-21	50	200	50
83-02-04	--	100	--
83-04-18	60	--	--
82-10-20	--	--	--
83-06-03	--	--	--
83-03-01	30	570	20
83-05-25	--	690	--
83-02-09	--	780	--
83-03-15	20	900	--
82-10-06	--	160	--
83-04-22	70	100	--

WATER GUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

NASSAU COUNTY--Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	HARDNESS (MG/L AS CACO3)
404004073391901	N 7522	211MGTY	83-01-11	565	34	5.2	--	--	1
404311073302501	N 7523	211MGTY	82-10-15	684	23	5.6	--	--	1
		211MGTY	83-01-07	684	27	5.0	--	7.2	2
		211MGTY	83-04-15	684	21	5.9	--	--	3
404703073280101	N 7526	211MGTY	82-11-04	691	25	5.6	--	--	5
		211MGTY	82-11-29	691	24	5.9	--	--	6
		211MGTY	83-03-10	691	27	5.9	--	--	2
404010073425301	N 7548	211MGTY	83-01-11	516	90	5.9	2.0	--	25
404738073353201	N 7549	211MGTY	83-06-03	504	25	6.6	--	--	--
404532073422001	N 7560	211MGTY	83-09-26	242	270	6.6	--	--	--
404455073324902	N 7561	211MGTY	83-04-12	551	66	5.9	--	--	10
403853073392501	N 7569	112QLCLU	83-07-22	35	2280	6.5	6.0	--	--

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	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 LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
83-01-11	1	0.40	--	5.0	0.3	5.0	6.0	3.6	6.1	25	--	0.001
82-10-15	1	0.30	--	3.0	--	2.0	--	4.3	5.9	17	0.41	--
83-01-07	--	--	--	3.7	--	8.0	--	6.2	--	19	0.22	--
83-04-15	1	0.60	0.40	4.0	0.1	5.0	--	3.5	5.6	21	0.24	--
82-11-04	4	1.6	0.10	3.0	0.2	2.0	--	4.8	5.5	20	0.81	--
82-11-29	4	1.5	0.40	--	0.2	3.0	--	4.4	5.5	18	0.54	0.002
83-03-10	1	0.30	--	4.0	0.3	2.0	8.0	3.5	5.3	26	0.59	--
83-01-11	13	5.4	2.6	8.0	0.6	6.0	22	5.6	8.9	57	0.010	0.001
83-06-03	1	1.0	0.20	6.0	0.3	6.0	--	5.6	5.7	23	--	--
83-09-26	45	18	10	19	1.8	26	23	39	17	156	--	0.007
83-04-12	6	2.6	0.90	9.0	0.3	5.0	--	9.6	6.8	45	2.9	0.001
83-07-22	110	45	44	200	14	51	100	640	6.8	1110	--	0.004

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
83-01-11	--	150	--
82-10-15	--	70	--
83-01-07	--	80	--
83-04-15	--	--	--
82-11-04	60	100	--
82-11-29	--	100	--
83-03-10	--	--	--
83-01-11	--	380	--
83-06-03	--	--	--
83-09-26	--	660	--
83-04-12	90	--	--
83-07-22	--	1600	840

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

NASSAU COUNTY--Continued

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

STATION NUMBER		LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	HARDNESS (MG/L AS CACO3)
404531073415401	N	7593	211MGTY	82-10-28	473	111	6.5	--	--	48
			211MGTY	83-06-14	473	95	6.2	--	--	--
404814073451801	N	7613	211LLYD	82-12-07	235	451	6.5	2.0	--	160
405148073335801	N	7620	211LLYD	82-10-08	480	41	6.8	--	--	15
			211LLYD	83-07-13	480	44	6.6	--	--	--
			211LLYD	83-07-21	480	50	6.5	--	7.9	--
405424073340001	N	7643	112GLCLU	82-10-08	218	331	6.0	1.0	--	87
			112GLCLU	83-07-13	218	373	5.6	--	--	--
			112GLCLU	83-07-21	218	400	5.7	--	3.7	--
			112GLCLU	83-08-08	218	403	5.7	--	--	--
			112GLCLU	83-09-07	218	396	5.7	--	--	--

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	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 LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
82-10-28	35	14	3.2	6.0	0.2	7.0	11	9.5	9.9	77	4.2	0.002
83-06-14	20	7.9	2.6	7.0	0.4	8.0	7.0	10	9.5	68	--	0.005
82-12-07	91	37	17	18	1.4	32	--	100	8.8	207	0.070	0.001
82-10-08	11	4.4	1.0	4.0	0.4	13	9.0	5.8	9.5	45	0.63	0.002
83-07-13	8	3.2	1.1	4.0	0.7	14	--	6.1	9.4	36	--	--
83-07-21	8	--	1.2	4.3	0.6	14	--	5.0	--	33	--	--
82-10-08	55	22	7.8	38	3.5	12	53	39	13	250	15	0.002
83-07-13	50	20	9.0	42	4.8	9.0	38	48	14	255	--	0.004
83-07-21	49	--	9.5	38	3.5	15	--	46	--	291	--	--
83-08-08	48	19	9.4	42	4.1	10	38	54	13	261	--	0.002
83-09-07	46	19	9.8	42	3.9	11	38	48	14	265	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
82-10-28	--	60	--
83-06-14	--	140	--
82-12-07	--	120	--
82-10-08	--	110	--
83-07-13	--	60	--
83-07-21	--	--	--
82-10-08	280	130	--
83-07-13	160	60	--
83-07-21	160	20	20
83-08-08	290	--	--
83-09-07	--	--	--

WATER GUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

NASSAU COUNTY--Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	HARDNESS (MG/L AS CACO3)
404345073412001	N 7649	211MGTY	82-12-14	210	244	6.0	--	--	72
		211MGTY	83-01-31	210	132	5.8	--	--	31
		211MGTY	83-04-14	210	286	5.9	--	--	85
		211MGTY	83-05-06	210	302	6.0	--	--	--
		211MGTY	83-07-20	210	109	6.1	--	7.5	--
		211MGTY	83-09-01	210	243	6.2	--	--	--
404345073411901	N 7650	211MGTY	82-12-14	445	98	6.1	--	--	26
		211MGTY	83-01-13	445	130	6.2	--	--	26
		211MGTY	83-01-24	445	143	5.8	--	--	24
404910073381201	N 7664	112GLCLU	83-09-26	85	302	6.3	--	--	--
405204073345401	N 7665	112GLCLU	82-10-08	375	120	6.6	--	--	44
		112GLCLU	83-06-30	375	130	6.0	--	9.6	--
		112GLCLU	83-07-14	375	138	6.5	--	--	--
404236073395401	N 7720	211MGTY	83-05-17	511	55	6.4	--	--	--

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	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 LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
82-12-14	46	19	6.3	7.0	1.1	13	30	26	12	146	8.2	0.006
83-01-31	20	--	--	7.7	--	10	6.0	10	--	--	3.6	--
83-04-14	59	24	6.5	21	2.0	14	35	33	14	180	8.3	0.002
83-05-06	45	17	4.5	13	1.1	11	42	37	14	175	--	0.001
83-07-20	--	8.4	3.2	9.0	1.0	10	--	12	9.1	67	--	0.004
83-09-01	49	20	5.4	16	1.7	12	33	28	13	157	--	0.001
82-12-14	14	5.5	3.1	16	0.3	8.0	--	12	9.0	60	2.1	0.001
83-01-13	15	5.9	2.7	9.0	0.6	40	--	12	9.2	84	4.3	--
83-01-24	16	--	--	7.6	--	10	6.0	14	--	--	4.6	--
83-09-26	110	47	9.9	19	2.0	22	35	37	15	215	--	--
82-10-08	34	14	2.2	6.0	0.7	17	24	10	12	93	3.1	0.002
83-06-30	25	--	4.3	6.5	1.0	15	19	5.0	--	106	--	--
83-07-14	25	10	4.0	8.0	0.6	14	21	8.9	11	87	--	0.005
83-05-17	7	3.0	1.5	5.0	0.4	6.0	--	5.8	7.2	39	--	0.003

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
82-12-14	--	70	--
83-01-31	--	--	--
83-04-14	--	--	--
83-05-06	--	--	--
83-07-20	--	70	--
83-09-01	--	80	--
82-12-14	--	--	--
83-01-13	--	--	--
83-01-24	--	--	--
83-09-26	--	--	--
82-10-08	--	--	--
83-06-30	50	30	20
83-07-14	--	50	--
83-05-17	140	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

NASSAU COUNTY--Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	HARDNESS (MG/L AS CACO3)
405102073282101	N 7729	211MGTY	82-12-07	356	197	6.7	3.0	--	71
403537073392001	N 7776	211LLYD	83-07-12	1238	61	5.6	6.0	--	--
404751073322001	N 7781	211MGTY	83-05-06	459	90	6.2	--	--	--
404526073353401	N 7785	211MGTY	83-02-16	404	102	6.1	--	--	30
403949073341706	N 7796	211MGTY	82-10-05	590	24	5.4	--	--	4
404310073331602	N 7797	211MGTY	83-03-31	550	42	5.7	--	--	6
404319073401601	N 7799	112GLCLU	82-11-10	81	205	6.6	--	--	42
		112GLCLU	83-07-08	81	176	6.1	--	--	--
405043073371601	N 7834	112GLCLU	83-09-26	202	140	6.3	--	--	--
404042073403701	N 7855	211MGTY	83-06-15	605	53	5.8	2.0	--	--

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	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 LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
82-12-07	43	17	6.4	8.0	0.4	20	22	14	9.2	116	5.8	0.022
83-07-12	2	0.80	0.80	8.0	0.9	6.0	16	3.8	7.7	46	--	0.001
83-05-06	20	8.0	2.0	5.0	0.6	12	--	10	11	68	--	0.003
83-02-16	22	8.7	1.9	15	0.9	10	--	9.6	8.8	73	4.5	--
82-10-05	3	1.2	--	3.0	0.2	1.0	--	6.0	6.1	27	0.030	0.001
83-03-31	4	1.7	0.30	5.0	0.5	6.0	5.0	2.4	5.8	32	1.8	--
82-11-10	30	12	2.9	31	1.7	8.0	32	23	9.3	135	4.0	--
83-07-08	34	14	2.7	15	1.5	8.0	33	18	8.1	113	--	0.003
83-09-26	25	--	4.5	8.1	1.0	17	7.0	11	--	124	--	--
83-06-15	9	3.6	0.90	5.0	0.6	3.0	13	6.1	7.1	39	--	0.003

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
82-12-07	100	420	170
83-07-12	--	4400	100
83-05-06	--	--	--
83-02-16	--	150	--
82-10-05	--	400	--
83-03-31	--	130	--
82-11-10	--	140	--
83-07-08	--	90	--
83-09-26	60	170	--
83-06-15	--	330	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

NASSAU COUNTY--Continued

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

STATION NUMBER		LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	HARDNESS (MG/L AS CACO3)
404349073333301	N	7856	112GLCLU	82-11-12	70	--	5.9	2.0	--	23
			112GLCLU	83-07-06	70	241	5.8	--	--	--
405059073384101	N	7857	211LLYD	82-12-29	614	42	7.1	--	--	10
			211LLYD	83-06-17	614	46	6.0	1.0	--	--
404815073363901	N	7873	211MGTY	82-12-01	535	32	6.1	--	--	6
			211MGTY	83-05-19	535	31	6.5	--	--	--
404420073353201	N	7957	211MGTY	83-01-07	523	82	6.4	--	8.4	16
			211MGTY	83-01-10	523	80	5.8	--	--	18
			211MGTY	83-08-10	523	82	5.7	--	--	--
404001073320001	N	7997	112GLCLU	83-04-22	94	39	5.9	--	--	--
404343073284301	N	8004	211MGTY	83-06-28	745	25	5.3	--	3.7	--
			211MGTY	83-07-01	745	21	6.2	--	--	--

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	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 LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
82-11-12	6	2.4	4.0	41	5.8	6.0	4.0	5.1	5.6	78	1.2	0.002
83-07-06	47	19	3.9	17	5.4	9.0	26	26	11	171	--	0.002
82-12-29	7	2.7	0.70	5.0	0.6	13	3.0	6.7	6.7	41	0.34	0.001
83-06-17	9	--	--	--	--	13	--	3.0	--	--	--	--
82-12-01	3	1.4	0.40	5.0	0.4	7.0	--	4.1	6.1	26	0.74	0.001
83-05-19	5	1.9	0.60	4.0	0.2	8.0	--	5.0	6.2	29	--	0.001
83-01-07	--	--	--	5.8	--	10	--	13	--	29	4.8	--
83-01-10	13	5.4	1.1	7.0	0.5	5.0	--	7.9	7.3	54	4.5	--
83-08-10	9	3.7	1.7	7.0	0.6	4.0	--	9.8	7.1	53	--	--
83-04-22	4	1.5	0.70	6.0	0.1	3.0	8.0	3.5	6.3	31	--	0.003
83-06-28	3	--	0.30	2.7	0.3	3.0	--	3.0	--	24	--	--
83-07-01	--	--	--	3.0	0.2	6.0	--	2.5	5.5	15	--	0.001

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
82-11-12	600	450	260
83-07-06	230	310	240
82-12-29	--	200	--
83-06-17	--	--	--
82-12-01	1900	220	80
83-05-19	--	70	--
83-01-07	--	130	--
83-01-10	--	60	--
83-08-10	600	120	--
83-04-22	60	2500	--
83-06-28	20	40	--
83-07-01	--	100	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

NASSAU COUNTY--Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	HARDNESS (MG/L AS CACO3)
404543073354901	N 8007	211MGTY	82-11-05	564	52	6.6	--	--	10
		211MGTY	83-01-05	564	43	5.7	--	--	8
		211MGTY	83-07-21	564	45	5.8	--	8.9	--
404739073392101	N 8010	211MGTY	82-12-16	453	41	6.2	--	--	37
		211MGTY	83-05-19	453	142	6.3	--	--	--
403533073401301	N 8011	211LLYD	83-07-12	1270	80	5.8	--	--	--
405241073301801	N 8021	112PGFG	83-01-24	200	65	6.9	1.0	--	--
404046073305803	N 8031	211MGTY	83-04-21	513	22	5.3	--	--	--
		211MGTY	83-08-30	513	25	5.5	--	0.1	--
404545073425501	N 8038	211MGTY	82-11-17	295	225	6.7	--	--	--
404757073283301	N 8043	211MGTY	83-02-25	688	34	6.2	--	--	--
404947073450301	N 8046	112JMCO	82-12-03	189	255	6.8	--	--	--

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	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 LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
82-11-05	6	2.4	0.80	5.0	0.3	7.0	--	5.1	6.9	31	1.3	--
83-01-05	6	2.4	0.30	6.0	0.5	6.0	--	6.0	6.9	33	1.5	0.001
83-07-21	6	--	1.0	4.3	0.5	8.0	--	4.0	--	27	--	--
82-12-16	19	7.7	4.2	8.0	0.4	5.0	18	11	10	--	5.1	0.020
83-05-19	21	8.5	4.8	9.0	0.6	13	6.0	16	10	87	--	0.003
83-07-12	--	--	--	--	--	--	21	--	--	50	--	0.004
83-01-24	--	--	--	--	--	--	4.0	--	--	50	0.49	0.003
83-04-21	--	--	--	--	--	--	--	--	--	16	--	0.001
83-08-30	--	--	--	--	--	--	2.0	--	--	--	--	--
82-11-17	--	--	--	--	--	--	27	--	--	151	4.4	0.002
83-02-25	--	--	--	--	--	--	--	--	--	27	1.5	0.001
82-12-03	--	--	--	--	--	--	50	--	--	167	1.6	0.013

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
82-11-05	--	120	--
83-01-05	--	200	--
83-07-21	--	--	--
82-12-16	--	90	--
83-05-19	--	60	--
83-07-12	--	4500	100
83-01-24	--	130	--
83-04-21	--	260	--
83-08-30	--	120	--
82-11-17	--	80	--
83-02-25	--	--	--
82-12-03	--	5000	80

WATER GUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

NASSAU COUNTY--Continued

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

STATION NUMBER		LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	HARDNESS (MG/L AS CACO3)
404947073450201	N	8052	112GLCLU	82-11-30	94	419	6.4	--	--	--
404357073364101	N	8068	211MGTY	83-08-09	291	177	5.6	--	--	--
404226073270001	N	8136	112GLCLU	82-11-05	70	464	7.0	--	--	--
403855073333701	N	8171	211MGTY	83-06-09	378	38	6.1	--	--	--
403952073361607	N	8196	211MGTY	83-01-12	625	28	5.1	--	--	--
404156073262004	N	8214	211MGTY	82-11-03	686	24	5.0	5.0	--	--
			211MGTY	83-06-13	686	44	4.8	1.0	--	--
404000073371001	N	8216	211MGTY	82-11-30	665	27	5.3	--	--	--
404004073371003	N	8217	211MGTY	82-11-30	508	79	4.6	--	--	--
404109073374201	N	8218	211MGTY	82-11-30	465	41	5.0	--	--	--
			211MGTY	83-03-24	465	42	5.4	3.0	--	--

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	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 LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
82-11-30	--	--	--	--	--	--	38	--	--	152	1.0	0.006
83-08-09	--	--	--	--	--	--	--	--	--	98	--	0.002
82-11-05	--	--	--	--	--	--	24	--	--	280	6.4	0.216
83-06-09	--	--	--	--	--	--	--	--	--	31	--	0.004
83-01-12	--	--	--	--	--	--	4.0	--	--	21	0.23	--
82-11-03	--	--	--	--	--	--	4.0	--	--	19	0.010	0.001
83-06-13	--	--	--	--	--	--	9.0	--	--	23	--	0.004
82-11-30	--	--	--	--	--	--	--	--	--	22	--	0.001
82-11-30	--	--	--	--	--	--	5.0	--	--	42	0.010	--
82-11-30	--	--	--	--	--	--	4.0	--	--	26	0.010	0.001
83-03-24	--	--	--	--	--	--	9.0	--	--	33	0.15	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
82-11-30	--	14000	270
83-08-09	--	120	--
82-11-05	--	80	1800
83-06-09	--	5900	--
83-01-12	--	110	--
82-11-03	--	900	--
83-06-13	--	750	--
82-11-30	--	780	--
82-11-30	--	1300	--
82-11-30	--	520	--
83-03-24	--	410	--

WATER GUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

NASSAU COUNTY--Continued

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

STATION NUMBER		LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)
404922073450001	N	8221	211LLYD	83-09-26	290	305	6.9	1.0	--	--
403518073382001	N	8233	211LLYD	83-03-09	1231	62	6.0	3.0	--	--
			211LLYD	83-05-23	1231	57	5.6	--	--	--
405121073415901	N	8246	112PGQF	82-11-08	350	202	7.8	9.0	--	--
404639073311102	N	8249	211MGTY	83-08-10	495	179	5.4	1.0	--	--
			211MGTY	83-09-22	495	188	5.8	--	--	--
404108073371605	N	8250	211MGTY	82-10-06	485	47	4.8	2.0	--	--
403958073410304	N	8251	211MGTY	82-10-07	500	115	5.3	7.0	--	--
			211MGTY	83-01-11	500	84	5.6	1.0	--	--
404002073333301	N	8253	211MGTY	82-10-07	699	28	5.7	--	0.7	--
404309073302901	N	8279	211MGTY	82-10-15	547	29	5.5	2.0	--	--
			211MGTY	83-01-07	547	29	5.0	--	5.8	--

DATE OF SAMPLE	HARD-NESS CAR-BONATE (MG/L-CACO3)	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 LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)
83-09-26	--	--	--	--	--	--	24	--	--	199	--	0.004
83-03-09	--	--	--	--	--	--	14	--	--	42	--	0.001
83-05-23	--	--	--	--	--	--	15	--	--	43	--	0.004
82-11-08	--	--	--	--	--	--	30	--	--	121	0.28	0.025
83-08-10	--	--	--	--	--	--	9.0	--	--	124	--	0.002
83-09-22	--	--	--	--	--	--	11	--	--	126	--	0.002
82-10-06	--	--	--	--	--	--	18	--	--	43	0.050	--
82-10-07	--	--	--	--	--	--	40	--	--	82	0.070	--
83-01-11	--	--	--	--	--	--	17	--	--	50	0.070	0.001
82-10-07	--	--	--	--	--	--	1.0	--	--	32	--	0.020
82-10-15	--	--	--	--	--	--	14	--	--	33	0.64	0.002
83-01-07	--	--	--	--	--	--	--	--	--	25	0.52	--

DATE OF SAMPLE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
83-09-26	--	3300	--
83-03-09	--	3700	110
83-05-23	--	2900	90
82-11-08	--	1000	70
83-08-10	--	610	100
83-09-22	--	80	80
82-10-06	--	700	--
82-10-07	--	1000	90
83-01-11	--	640	--
82-10-07	--	110	--
82-10-15	--	330	--
83-01-07	--	50	--

WATER GUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

NASSAU COUNTY--Continued

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

STATION NUMBER		LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)
405106073430601	N	8313	112GLCLU	83-05-18	168	263	6.8	--	--	--
404401073315103	N	8321	211MGTY	83-01-07	674	77	5.1	--	7.2	--
			211MGTY	83-01-10	674	40	6.0	--	--	--
404320073401201	N	8339	211MGTY	82-10-06	363	149	5.8	--	--	--
			211MGTY	83-01-04	363	146	6.1	--	--	--
			211MGTY	83-02-08	363	130	6.0	--	--	--
405216073372101	N	8343	211LLYD	83-07-25	420	37	6.4	3.0	--	--
403522073365901	N	8354	211LLYD	83-05-26	1275	158	6.0	4.0	--	--
			211LLYD	83-06-09	1275	225	5.7	2.0	5.6	--
404837073315801	N	8355	211MGTY	83-06-14	595	86	6.3	--	--	--
405339073312701	N	8383	112GLCLU	82-12-07	105	177	6.7	2.0	--	--
			112GLCLU	83-05-06	105	159	6.5	1.0	--	--

DATE OF SAMPLE	HARD-NESS CAR-BONATE (MG/L-CACO3)	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 LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)
83-05-18	--	--	--	--	--	--	39	--	--	163	--	--
83-01-07	--	--	--	--	--	--	--	--	--	32	0.96	--
83-01-10	--	--	--	--	--	--	--	--	--	25	0.86	--
82-10-06	--	--	--	--	--	--	20	--	--	122	9.9	--
83-01-04	--	--	--	--	--	--	15	--	--	93	4.9	0.001
83-02-08	--	--	--	--	--	--	18	--	--	109	5.2	--
83-07-25	--	--	--	--	--	--	--	--	--	27	--	--
83-05-26	--	--	--	--	--	--	19	--	--	99	--	0.003
83-06-09	--	--	--	--	--	--	25	--	--	139	--	--
83-06-14	--	--	--	--	--	--	--	--	--	40	--	0.004
82-12-07	--	--	--	--	--	--	--	--	--	145	1.4	0.001
83-05-06	--	--	--	--	--	--	--	--	--	102	--	0.002

DATE OF SAMPLE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
83-05-18	--	260	--
83-01-07	--	70	--
83-01-10	--	70	--
82-10-06	--	50	--
83-01-04	--	--	--
83-02-08	--	20	--
83-07-25	--	200	--
83-05-26	--	3200	90
83-06-09	--	2000	100
83-06-14	--	70	--
82-12-07	--	860	60
83-05-06	--	170	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

NASSAU COUNTY--Continued

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

STATION NUMBER		LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	HARDNESS (MG/L AS CACO3)
404420073393901	N	8409	211MGTY	82-10-20	405	230	6.0	--	--	--
			211MGTY	82-11-05	405	253	6.4	--	--	--
403558073302704	N	8414	211RRTN	82-10-29	1080	155	6.7	5.0	--	--
			211RRTN	83-02-04	1080	157	6.8	2.0	--	--
			211RRTN	83-03-28	1080	152	6.7	--	--	--
404031073414501	N	8420	211MGTY	83-06-15	425	170	5.6	4.0	--	--
405009073314501	N	8430	211MGTY	82-12-08	145	86	6.6	5.0	--	--
404457073360701	N	8457	211MGTY	83-01-05	440	75	5.5	--	--	--
			211MGTY	83-04-14	440	80	5.5	--	--	--
			211MGTY	83-08-03	440	84	5.8	--	--	--
403940073322201	N	8471	112GLCLU	83-09-01	18	482	6.4	1.0	--	--

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	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 LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
82-10-20	--	--	--	--	--	--	39	--	--	234	14	--
82-11-05	--	--	--	--	--	--	23	--	--	165	12	0.006
82-10-29	--	--	--	--	--	--	37	--	--	96	0.01	0.002
83-02-04	--	--	--	--	--	--	22	--	--	95	0.17	0.001
83-03-28	--	--	--	--	--	--	9.0	--	--	79	0.07	0.002
83-06-15	--	--	--	--	--	--	34	--	--	105	--	0.002
82-12-08	--	--	--	--	--	--	9.0	--	--	61	1.0	0.003
83-01-05	--	--	--	--	--	--	10	--	--	67	4.7	--
83-04-14	--	--	--	--	--	--	--	--	--	63	4.8	--
83-08-03	--	--	--	--	--	--	--	--	--	56	--	0.004
83-09-01	--	--	--	--	--	--	50	--	--	270	--	0.004

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
82-10-20	--	30	--
82-11-05	--	180	--
82-10-29	--	820	--
83-02-04	--	340	--
83-03-28	--	410	--
83-06-15	--	1400	160
82-12-08	--	570	--
83-01-05	--	180	--
83-04-14	--	--	--
83-08-03	--	--	--
83-09-01	--	1200	1900

WATER GUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

NASSAU COUNTY--Continued

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

STATION NUMBER		LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)
404325073363101		N 8474	211MGTY	82-10-13	562	107	--	--	--	--
			211MGTY	82-12-16	562	46	5.9	--	--	--
			211MGTY	83-01-07	562	47	5.8	--	6.8	--
			211MGTY	83-01-10	562	44	5.9	--	--	--
			211MGTY	83-08-10	562	47	5.9	--	--	--
404325073363102		N 8475	211MGTY	82-12-16	486	22	6.1	--	--	--
			211MGTY	83-01-07	486	51	5.2	--	5.6	--
			211MGTY	83-01-10	486	47	5.9	--	--	--
			211MGTY	83-08-10	486	50	5.8	--	--	--
404455073320301		N 8526	211MGTY	83-03-04	601	63	6.7	--	--	--
			211MGTY	83-06-24	601	50	5.7	--	--	--
403520073410901		N 8557	211LLYD	83-07-12	1258	70	5.8	4.0	--	--
404443073404401		N 8585	112GLCLU	82-11-24	107	217	6.6	--	--	--
404056073261102		N 8603	211MGTY	83-08-30	893	24	5.2	--	--	--

DATE OF SAMPLE	HARD-NESS CAR-BONATE (MG/L-CACO3)	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 LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)
82-10-13	--	--	--	--	--	--	--	--	--	51	1.6	--
82-12-16	--	--	--	--	--	--	--	--	--	27	0.60	0.004
83-01-07	--	--	--	--	--	--	--	--	--	35	1.9	--
83-01-10	--	--	--	--	--	--	--	--	--	29	1.6	--
83-08-10	--	--	--	--	--	--	--	--	--	29	--	0.003
82-12-16	--	--	--	--	--	--	3.0	--	--	33	1.2	0.005
83-01-07	--	--	--	--	--	--	--	--	--	24	1.4	--
83-01-10	--	--	--	--	--	--	--	--	--	31	1.5	--
83-08-10	--	--	--	--	--	--	--	--	--	29	--	--
83-03-04	--	--	--	--	--	--	10	--	--	53	1.4	0.002
83-06-24	--	--	--	--	--	--	--	--	--	24	--	--
83-07-12	--	--	--	--	--	--	14	--	--	46	--	0.002
82-11-24	--	--	--	--	--	--	9.0	--	--	129	0.10	0.004
83-08-30	--	--	--	--	--	--	2.0	--	--	79	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
82-10-13	--	130	--
82-12-16	--	100	--
83-01-07	--	--	--
83-01-10	--	190	--
83-08-10	--	70	--
82-12-16	--	90	--
83-01-07	--	70	--
83-01-10	--	--	--
83-08-10	--	100	--
83-03-04	--	--	--
83-06-24	--	--	--
83-07-12	--	3900	100
82-11-24	--	2500	1100
83-08-30	--	230	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

NASSAU COUNTY--Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	HARDNESS (MG/L AS CACO3)
403920073253401	N 8629	211MGTY	82-12-06	183	38	6.4	--	--	--
403927073355001	N 8657	211MGTY	83-07-07	640	26	5.2	1.0	--	--
404221073254501	N 8664	211MGTY	83-02-09	581	32	5.8	--	--	--
		211MGTY	83-03-01	581	27	4.6	--	1.8	--
404221073254502	N 8665	211MGTY	82-12-01	611	45	5.2	--	--	--
404532073284801	N 8767	211MGTY	83-07-01	645	30	6.3	--	--	--
		211MGTY	83-07-26	645	30	5.8	--	--	--
404533073284802	N 8768	211MGTY	83-07-01	683	45	6.1	--	--	--
		211MGTY	83-07-26	683	24	5.7	--	--	--
405427073335501	N 8776	211LLYD	82-10-08	459	37	6.6	1.0	--	--
		211LLYD	83-07-13	459	39	6.4	--	--	--
		211LLYD	83-07-28	459	41	6.3	--	--	--

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	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 LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
82-12-06	--	--	--	--	--	--	3.0	--	--	29	0.29	0.002
83-07-07	--	--	--	--	--	--	--	--	--	14	--	0.001
83-02-09	--	--	--	--	--	--	5.0	--	--	26	0.010	--
83-03-01	--	--	--	--	--	--	5.0	--	--	29	--	--
82-12-01	--	--	--	--	--	--	--	--	--	22	0.060	--
83-07-01	--	--	--	--	--	--	--	--	--	21	--	0.003
83-07-26	--	--	--	--	--	--	--	--	--	28	--	--
83-07-01	--	--	--	--	--	--	--	--	--	39	--	0.002
83-07-26	--	--	--	--	--	--	--	--	--	24	--	--
82-10-08	--	--	--	--	--	--	14	--	--	45	0.32	0.002
83-07-13	--	--	--	--	--	--	--	--	--	29	--	--
83-07-28	--	--	--	--	--	--	--	--	--	34	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
82-12-06	--	2400	--
83-07-07	--	130	--
83-02-09	--	330	--
83-03-01	--	220	--
82-12-01	--	1200	120
83-07-01	--	80	--
83-07-26	--	--	--
83-07-01	--	60	--
83-07-26	--	20	--
82-10-08	--	260	--
83-07-13	--	50	--
83-07-28	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

NASSAU COUNTY--Continued

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

STATION NUMBER		LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TUR-BID-ITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	HARD-NESS (MG/L AS CACO3)
404537073304601	N	8778	211MGTY	83-01-14	590	24	5.9	--	--	--
			211MGTY	83-03-08	590	20	5.5	--	9.3	--
404537073304602	N	8779	211MGTY	83-03-08	585	32	5.4	--	7.2	--
			211MGTY	83-04-12	585	46	5.8	--	--	--
404213073405802	N	8818	211MGTY	82-10-05	486	51	5.8	--	--	--
			211MGTY	83-06-08	486	62	5.9	--	--	--
			211MGTY	83-08-04	486	60	5.7	--	1.6	--
404052073294801	N	8837	211MGTY	82-10-28	681	60	6.8	1.0	0.1	--
			211MGTY	83-09-01	681	23	5.7	--	--	--
404730073423101	N	8877	112GLCLU	82-11-15	76	132	7.4	--	--	--
404702073305601	N	8888	112GLCLU	82-10-05	111	439	6.2	9.0	--	--
404509073333402	N	8957	211MGTY	83-03-03	589	36	5.9	--	9.2	--
			211MGTY	83-05-05	589	36	6.1	--	--	--
			211MGTY	83-08-01	589	33	6.1	--	--	--

DATE OF SAMPLE	HARD-NESS CAR-BONATE (MG/L-CACO3)	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 LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)
83-01-14	--	--	--	--	--	--	--	--	--	18	0.50	0.001
83-03-08	--	--	--	--	--	--	--	--	--	13	0.40	--
83-03-08	--	--	--	--	--	--	--	--	--	23	0.80	--
83-04-12	--	--	--	--	--	--	--	--	--	36	1.5	0.001
82-10-05	--	--	--	--	--	--	11	--	--	40	0.66	--
83-06-08	--	--	--	--	--	--	11	--	--	44	--	0.003
83-08-04	--	--	--	--	--	--	10	--	--	38	--	--
82-10-28	--	--	--	--	--	--	6.0	--	--	42	--	--
83-09-01	--	--	--	--	--	--	1.0	--	--	--	--	--
82-11-15	--	--	--	--	--	--	26	--	--	113	--	0.005
82-10-05	--	--	--	--	--	--	65	--	--	299	11	0.075
83-03-03	--	--	--	--	--	--	--	--	--	11	0.78	--
83-05-05	--	--	--	--	--	--	--	--	--	24	--	0.001
83-08-01	--	--	--	--	--	--	--	--	--	28	--	0.002

DATE OF SAMPLE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
83-01-14	--	--	--
83-03-08	--	--	--
83-03-08	--	40	--
83-04-12	--	--	--
82-10-05	--	60	--
83-06-08	--	130	--
83-08-04	--	--	--
82-10-28	--	200	--
83-09-01	--	320	--
82-11-15	--	10000	210
82-10-05	--	1900	350
83-03-03	--	40	--
83-05-05	--	--	--
83-08-01	--	400	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

NASSAU COUNTY--Continued

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

STATION NUMBER		LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	HARDNESS (MG/L AS CACO3)
404119073323104	N	8976	211MGTY	83-07-27	773	22	5.4	--	--	--
403934073410702	N	8979	211MGTY	83-06-15	440	76	5.3	2.0	--	--
404452073344603	N	8984	112GLCLU	82-12-01	48	296	6.9	--	--	--
404242073342103	N	9057	112GLCLU	82-10-04	47	244	5.6	3.0	--	--
404832073333203	N	9059	211MGTY	82-10-12	175	580	6.2	5.0	--	--
405306073300001	N	9068	112PGFG	82-10-12	325	112	6.6	1.0	--	--
404324073342201	N	9078	112GLCLU	82-10-04	65	198	5.7	4.0	--	--
404504073302002	N	9079	112GLCLU	82-10-05	70	309	5.0	2.0	--	--
			112GLCLU	82-11-29	70	356	4.9	2.0	--	--
405019073335503	N	9087	112GLCLU	82-10-07	111	136	6.2	2.0	--	--
404828073444501	N	9098	112GLCLU	82-11-30	72	690	7.1	1.0	--	--

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	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 LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
83-07-27	--	--	--	--	--	--	--	--	--	18	--	--
83-06-15	--	--	--	--	--	--	15	--	--	49	--	0.002
82-12-01	--	--	--	--	--	--	5.0	--	--	230	0.83	0.007
82-10-04	--	--	--	--	--	--	66	--	--	216	9.3	0.005
82-10-12	--	--	--	--	--	--	36	--	--	311	1.8	0.003
82-10-12	--	--	--	--	--	--	28	--	--	92	0.86	0.002
82-10-04	--	--	--	--	--	--	41	--	--	140	8.1	0.006
82-10-05	--	--	--	--	--	--	63	--	--	226	12	0.007
82-11-29	--	--	--	--	--	--	46	--	--	213	10	0.007
82-10-07	--	--	--	--	--	--	29	--	--	101	4.6	0.003
82-11-30	--	--	--	--	--	--	74	--	--	428	11	0.002

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
83-07-27	--	100	--
83-06-15	--	1600	100
82-12-01	--	57000	850
82-10-04	--	1500	1000
82-10-12	--	1300	70
82-10-12	--	610	--
82-10-04	--	830	--
82-10-05	--	730	1400
82-11-29	--	550	1600
82-10-07	--	640	60
82-11-30	--	380	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

NASSAU COUNTY--Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	HARDNESS (MG/L AS CACO3)
404757073440401	N 9099	112GLCLU	82-11-30	71	419	6.4	3.0	--	--
405158073375301	N 9100	112PGFG	82-10-13	70	224	6.1	5.0	--	--
405113073361301	N 9115	211MGTY	82-10-12	110	279	6.6	--	--	--
405131073405802	N 9116	112GLCLU	82-11-23	31	276	7.1	7.0	--	--
405011073355901	N 9117	211MGTY	82-10-06	73	246	6.6	--	--	--
405416073325701	N 9127	112GLCLU	82-10-13	41	6880	7.3	--	--	--
404224073423811	N 9151	211MGTY	83-01-13	425	191	6.1	--	--	--
		211MGTY	83-01-31	425	211	5.6	--	--	--
404633073345401	N 9168	211MGTY	82-12-01	217	84	6.3	5.0	--	--
404651073421501	N 9188	112GLCLU	82-11-24	80	341	7.2	--	--	--
404703073370202	N 9190	211MGTY	82-11-09	133	174	6.2	5.0	--	--

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	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 LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
82-11-30	--	--	--	--	--	--	42	--	--	241	4.2	0.004
82-10-13	--	--	--	--	--	--	74	--	--	200	3.4	0.004
82-10-12	--	--	--	--	--	--	70	--	--	205	5.9	0.170
82-11-23	--	--	--	--	--	--	35	--	--	170	2.6	0.004
82-10-06	--	--	--	--	--	--	57	--	--	202	9.7	0.080
82-10-13	--	--	--	--	--	--	710	--	--	--	0.080	0.007
83-01-13	--	--	--	--	--	--	26	--	--	119	5.6	--
83-01-31	--	--	--	--	--	--	35	--	--	--	5.8	--
82-12-01	--	--	--	--	--	--	4.0	--	--	59	0.89	0.002
82-11-24	--	--	--	--	--	--	77	--	--	231	0.020	0.003
82-11-09	--	--	--	--	--	--	28	--	--	103	2.8	0.006

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
82-11-30	--	710	--
82-10-13	--	1000	--
82-10-12	--	2100	130
82-11-23	--	1100	340
82-10-06	--	2000	80
82-10-13	--	3000	50
83-01-13	--	--	--
83-01-31	--	--	--
82-12-01	--	800	--
82-11-24	--	12300	590
82-11-09	--	620	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

NASSAU COUNTY--Continued

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

STATION NUMBER		LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	HARDNESS (MG/L AS CACO3)
404619073364501	N	9191	211MGTY	82-12-08	135	128	6.3	4.0	--	--
405350073345401	N	9314	112PGFG	82-10-13	54	142	7.5	5.0	--	--
405326073302102	N	9316	112GLCLU	82-10-13	58	619	6.5	--	--	--
404928073313401	N	9317	211MGTY	82-10-14	194	114	7.3	--	--	--
404228073293507	N	9338	211MGTY	82-10-05	646	32	4.5	--	0.1	--
			211MGTY	83-04-21	646	34	5.9	1.0	--	--
405122073420401	N	9356	112GLCLU	82-11-23	104	163	6.5	3.0	--	--
405126073421001	N	9446	112PGQF	83-05-18	383	278	6.9	--	--	--
404137073383402	N	9452	211MGTY	83-05-17	601	--	5.5	1.0	--	--
			211MGTY	83-07-06	601	118	5.9	--	--	--
404131073311401	N	9514	211MGTY	83-04-21	660	24	5.4	--	--	--

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	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 LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
82-12-08	--	--	--	--	--	--	14	--	--	80	1.4	0.004
82-10-13	--	--	--	--	--	--	18	--	--	109	0.23	0.002
82-10-13	--	--	--	--	--	--	40	--	--	236	2.0	0.009
82-10-14	--	--	--	--	--	--	34	--	--	105	1.4	0.010
82-10-05	--	--	--	--	--	--	2.0	--	--	20	--	--
83-04-21	--	--	--	--	--	--	7.0	--	--	30	--	0.002
82-11-23	--	--	--	--	--	--	28	--	--	96	1.2	0.002
83-05-18	--	--	--	--	--	--	35	--	--	179	--	0.031
83-05-17	--	--	--	--	--	--	3.0	--	--	28	--	--
83-07-06	--	--	--	--	--	--	23	--	--	68	--	0.015
83-04-21	--	--	--	--	--	--	--	--	--	18	--	0.002

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
82-12-08	--	1200	--
82-10-13	--	1200	340
82-10-13	--	36000	--
82-10-14	--	1400	--
82-10-05	--	360	--
83-04-21	--	300	--
82-11-23	--	530	--
83-05-18	--	90	240
83-05-17	--	510	--
83-07-06	--	4200	50
83-04-21	--	220	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

NASSAU COUNTY--Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	HARDNESS (MG/L AS CACO3)
404033073431215	N 9613	211MGTY	83-06-27	485	181	5.8	8.0	--	--
404412073351004	N 9846	211MGTY	82-11-30	615	90	6.5	--	9.6	--
		211MGTY	83-08-09	615	97	6.5	--	8.0	--
		211MGTY	83-08-10	615	30	6.3	--	--	--

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	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 LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SILICA TOTAL (MG/L-SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
83-06-27	--	--	--	--	--	--	45	--	--	103	--	0.001
82-11-30	--	--	--	--	--	--	--	--	--	51	2.0	--
83-08-09	--	--	--	--	--	--	5.0	--	--	64	--	--
83-08-10	--	--	--	--	--	--	--	--	--	22	--	0.001

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
83-06-27	--	1900	--
82-11-30	--	70	--
83-08-09	--	60	--
83-08-10	--	90	--

Geological unit (aquifer):
- 112GLCLU - Upper Glacial Aquifer, Pleistocene age.
- 112GRDR - Gardiners Clay, Pleistocene age.
- 112JMCO - Jameco Gravel, Pleistocene age.
- 112PGFG - Port Washington Confining Unit, Pleistocene age.
- 112PGGF - Port Washington Aquifer, Pleistocene age.
- 211LLYD - Llyod Aquifer, Cretaceous age.
- 211MGTY - Magothy Aquifer, Cretaceous age.
- 211RNCF - Raritan Confining Unit, Cretaceous age.

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

SUFFOLK COUNTY

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CACO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)
404454073033001	S 871	112GLCLU	83-04-13	110	82	--	0.33	18	4.1
		112GLCLU	83-08-08	110	88	5.9	0.30	--	5.3
404454073033002	S 872	112GLCLU	83-04-13	107	122	6.1	0.20	30	7.0
		112GLCLU	83-08-08	107	114	6.0	0.25	--	7.4
404551072561601	S 1331	112GLCLU	83-01-11	60	141	5.8	0.39	--	10
		112GLCLU	83-06-01	60	114	5.8	0.21	--	8.7
		112GLCLU	83-09-06	60	123	5.6	0.30	--	7.7
405412072232901	S 1340	112GLCLU	83-01-24	87	158	5.2	1.2	62	15
405721072123001	S 2570	112GLCLU	82-11-30	88	220	5.9	0.18	54	10
		112GLCLU	83-02-28	88	195	5.6	0.17	83	9.7
		112GLCLU	83-06-27	88	192	5.8	0.50	--	10
405720072122701	S 2405	112GLCLU	82-11-28	90	168	6.0	0.36	51	8.3
		112GLCLU	83-02-28	90	165	5.6	0.16	54	7.1
		112GLCLU	83-06-27	90	148	5.8	0.27	--	7.8

DATE OF SAMPLE	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
83-04-13	1.4	7.3	1.1	13	7.7	9.5	52	0.91	<0.010	<0.100	<5	<30
83-08-08	1.7	9.5	1.2	14	9.9	14	64	--	<0.010	0.100	--	<30
83-04-13	2.1	10	1.7	15	14	12	74	2.0	<0.010	<0.100	<5	<30
83-08-08	2.0	11	2.3	15	15	15	81	--	<0.010	<0.100	--	<30
83-01-11	2.1	11	2.0	--	20	15	92	3.4	<0.100	<0.100	<5	<30
83-06-01	2.2	11	1.8	11	15	15	89	--	0.010	<0.100	--	<30
83-09-06	2.1	11	1.7	11	13	14	74	--	<0.010	<0.100	--	<30
83-01-24	4.0	10	3.6	13	19	24	108	5.0	<0.010	<0.100	<5	<30
82-11-30	5.4	18	1.6	17	24	22	121	4.6	<0.010	<0.100	--	<30
83-02-28	5.2	18	1.8	14	27	19	119	4.8	<0.010	<0.100	<5	40
83-06-27	5.5	18	1.6	11	22	25	120	--	<0.010	<0.100	--	<30
82-11-28	4.8	12	1.1	13	20	18	96	3.5	<0.010	<0.180	--	30
83-02-28	4.2	12	1.4	12	20	14	91	3.6	<0.010	<0.100	<5	<30
83-06-27	4.4	12	1.4	12	12	20	91	--	<0.010	<0.100	--	<30

DATE OF SAMPLE	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	SELENIUM, TOTAL (UG/L AS SE)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
83-04-13	--	440	<2	<0.020
83-08-08	<1	570	--	<0.020
83-04-13	--	990	<2	<0.020
83-08-08	<1	750	--	<0.020
83-01-11	--	<10	<2	<0.020
83-06-01	<1	10	--	<0.020
83-09-06	--	40	--	--
83-01-24	--	10	<2	<0.020
82-11-30	<1	30	--	<0.020
83-02-28	--	30	<2	<0.020
83-06-27	<1	40	--	<0.020
82-11-28	<1	40	--	<0.020
83-02-28	--	20	<2	<0.020
83-06-27	<1	30	--	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CACO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)
405322073211001	S 2978	211MGTY	83-03-08	240	41	5.9	0.10	8	2.0
410310071570901	S 3615	112GLCLU	82-11-29	111	165	6.4	0.29	47	5.9
		112GLCLU	83-02-22	111	180	6.1	0.21	48	7.8
		112GLCLU	83-06-27	111	221	6.3	0.17	--	10
404426073073301	S 3813	112GLCLU	82-10-06	83	145	5.9	0.58	40	8.7
		112GLCLU	83-04-04	83	123	5.9	0.13	35	8.6
		112GLCLU	83-08-08	83	110	6.2	0.17	--	8.2
404426073073302	S 3814	112GLCLU	82-10-13	90	128	6.0	0.19	38	8.0
		112GLCLU	83-04-10	90	104	5.8	0.22	30	7.0
		112GLCLU	83-08-08	90	106	6.0	0.18	--	8.0
404426073073303	S 3815	112GLCLU	82-10-06	83	115	6.0	0.17	39	7.8
		112GLCLU	83-04-04	83	94	6.2	0.69	30	6.4
		112GLCLU	83-08-08	83	102	6.1	0.10	--	7.8

DATE OF SAMPLE	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
83-03-08	0.68	4.0	0.5	7.0	1.0	6.0	34	1.4	<0.010	<0.100	<5	<30
82-11-29	3.9	18	1.1	30	8.6	24	92	1.0	<0.010	<0.100	--	<30
83-02-22	3.4	21	1.4	29	11	30	107	1.2	<0.010	<0.100	<5	<30
83-06-27	5.3	30	1.8	33	11	46	133	--	<0.010	<0.100	--	70
82-10-06	2.4	12	1.8	20	12	16	84	2.5	<0.010	<0.100	--	<30
83-04-04	2.9	10	2.0	17	12	15	85	3.3	<0.010	<0.100	<5	<30
83-08-08	2.7	9.6	1.5	20	9.8	11	74	--	<0.010	<0.100	--	90
82-10-13	2.4	10	1.7	19	12	13	81	3.0	<0.010	<0.100	--	<30
83-04-10	2.3	8.5	1.3	18	9.3	11	71	2.6	<0.010	1.37	<5	<20
83-08-08	2.5	9.3	1.6	17	11	12	76	--	<0.010	<0.100	--	<30
82-10-06	2.9	8.3	1.4	21	9.7	12	76	2.7	<0.010	<0.100	--	<30
83-04-04	2.9	7.1	1.1	23	7.3	8.5	65	2.0	<0.010	<0.100	<5	<30
83-08-08	3.0	9.8	1.4	21	10	11	78	--	<0.010	<0.100	--	<30

DATE OF SAMPLE	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	SELENIUM, TOTAL (UG/L AS SE)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
83-03-08	--	<10	<2	<0.020
82-11-29	<1	10	--	<0.020
83-02-22	--	<10	<2	<0.020
83-06-27	<1	30	--	<0.020
82-10-06	<1	180	--	<0.020
83-04-04	--	120	<2	<0.020
83-08-08	<1	80	--	<0.020
82-10-13	<1	180	--	<0.020
83-04-10	--	170	<2	<0.020
83-08-08	<1	140	--	<0.020
82-10-06	<1	110	--	<0.020
83-04-04	--	80	<2	<0.020
83-08-08	<1	70	--	<0.020

WATER GUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TUR-BID-ITY (NTU)	HARD-NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)
405032073162801	S 4184	112GLCLU	82-11-02	162	295	5.8	0.28	75	19
		112GLCLU	83-01-18	162	280	5.7	0.14	46	19
		112GLCLU	83-05-16	162	261	5.6	0.29	--	21
405646073041601	S 4372	112GLCLU	83-02-16	95	140	6.7	0.29	50	11
405840072114501	S 7570	112GLCLU	82-11-27	162	150	6.6	0.47	45	5.7
		112GLCLU	83-02-23	162	146	5.8	0.12	34	6.2
		112GLCLU	83-06-27	162	161	5.9	0.50	--	7.0
405646073041602	S 8439	112GLCLU	83-03-01	92	62	6.5	0.35	21	3.8
404452073033001	S 9893	112GLCLU	83-04-04	96	59	5.9	0.21	15	3.8
		112GLCLU	83-08-08	96	62	6.0	0.18	--	4.8
405345073203801	S 11105	112GLCLU	83-03-08	517	113	6.1	0.30	33	7.4
		112GLCLU	83-07-20	517	112	5.8	0.22	--	7.9
405126073273802	S 12130	112GLCLU	82-11-04	305	37	6.0	0.24	10	1.5
		112GLCLU	83-05-08	305	36	6.0	0.25	--	2.5

DATE OF SAMPLE	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 LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)
82-11-02	5.2	26	4.0	15	33	34	178	9.1	<0.010	<0.100	--	<30
83-01-18	5.4	24	3.0	15	31	35	177	9.3	<0.010	<0.100	<5	30
83-05-16	5.6	26	3.3	16	31	38	192	--	<0.010	<0.100	--	<30
83-02-16	3.6	7.6	0.4	29	13	10	82	2.2	<0.010	<0.100	<5	<30
82-11-27	3.5	13	0.6	14	13	21	84	2.1	<0.010	<0.100	--	30
83-02-23	3.7	14	0.6	11	14	22	85	2.1	<0.010	<0.100	<5	40
83-06-27	4.0	16	0.6	12	12	30	96	--	<0.010	<0.100	--	<30
83-03-01	1.3	4.3	0.4	15	1.8	5.0	40	1.3	<0.010	<0.100	<5	<30
83-04-04	1.4	4.7	0.6	15	5.1	5.0	41	0.57	<0.010	<0.100	<5	<30
83-08-08	1.6	5.9	1.0	13	6.1	8.5	48	--	<0.010	<0.100	--	<30
83-03-08	2.8	7.6	0.95	10	8.6	11	75	5.0	<0.010	0.150	<5	<30
83-07-20	2.9	7.4	0.8	11	8.3	12	79	--	<0.010	<0.100	--	<30
82-11-04	0.62	3.5	0.4	8.0	0.7	3.0	28	0.99	<0.010	<0.100	--	<30
83-05-08	0.69	3.6	0.4	10	0.8	5.5	34	--	<0.010	<0.100	--	40

DATE OF SAMPLE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	SELE-NIUM, TOTAL (UG/L AS SE)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
82-11-02	--	40	--	<0.020
83-01-18	--	40	<2	<0.020
83-05-16	<1	20	--	<0.020
83-02-16	--	<10	<2	<0.020
82-11-27	<1	<10	--	<0.020
83-02-23	--	<10	<2	<0.020
83-06-27	<1	10	--	<0.020
83-03-01	--	<10	<2	<0.020
83-04-04	--	600	<2	<0.020
83-08-08	<1	480	--	<0.020
83-03-08	--	<10	<2	<0.020
83-07-20	<1	10	--	<0.020
82-11-04	<1	<10	--	<0.020
83-05-08	--	<10	--	<0.020

WATER GUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TUR-BID-ITY (NTU)	HARD-NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)
404919073142701	S 14326	211MGTY	82-10-20	225	65	6.5	0.21	20	4.0
		211MGTY	83-01-12	225	60	6.3	0.14	27	4.1
404551072561602	S 14710	112GLCLU	83-01-05	118	90	6.0	0.41	--	5.6
		112GLCLU	83-09-11	118	110	5.9	0.23	--	7.0
405453073030302	S 14792	211MGTY	83-02-23	453	104	6.1	0.40	68	7.5
405114073261001	S 14828	112GLCLU	82-11-16	508	116	6.0	0.34	37	7.2
		112GLCLU	83-05-03	508	120	5.9	0.20	--	8.3
405806072095401	S 14921	112GLCLU	82-11-27	125	100	6.2	0.24	30	3.8
		112GLCLU	83-02-28	125	100	6.2	0.23	21	4.1
405308073175101	S 15514	211MGTY	83-03-09	595	170	6.9	0.17	63	13
405307073175001	S 15515	211MGTY	83-03-09	356	330	6.0	0.18	130	29

DATE OF SAMPLE	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 LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)
82-10-20	1.4	4.9	0.4	16	2.4	6.0	40	0.55	<0.010	<0.100	--	<30
83-01-12	1.5	4.5	0.4	19	3.0	5.0	42	0.62	<0.010	<0.100	<5	<30
83-01-05	1.8	7.1	0.8	--	5.9	8.0	58	1.8	<0.100	0.100	<5	160
83-09-11	2.2	9.7	1.5	14	9.3	12	65	--	<0.010	<0.100	--	220
83-02-23	3.3	6.2	0.96	19	13	3.0	65	2.5	<0.010	<0.100	<5	<30
82-11-16	3.1	7.2	0.7	13	7.4	10	75	5.2	<0.010	<0.100	--	<30
83-05-03	3.3	7.8	0.95	12	6.7	12	78	--	<0.010	<0.100	<5	<30
82-11-27	2.3	8.5	0.6	10	9.8	12	57	1.1	<0.010	<0.100	--	<30
83-02-28	2.4	8.8	0.8	13	11	12	62	1.3	<0.010	<0.100	<5	<30
83-03-09	4.8	8.8	1.3	14	24	11	103	5.2	<0.010	<0.100	<5	<30
83-03-09	11	13	2.0	13	72	23	211	10	<0.010	<0.100	<5	<30

DATE OF SAMPLE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	SELE-NIUM, TOTAL (UG/L AS SE)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
82-10-20	<1	<20	--	<0.020
83-01-12	--	<10	<2	<0.020
83-01-05	--	30	<2	<0.020
83-09-11	--	50	--	--
83-02-23	--	10	<2	<0.020
82-11-16	<1	<10	--	<0.020
83-05-03	--	<10	<2	<0.020
82-11-27	<1	10	--	<0.020
83-02-28	--	<10	<2	<0.020
83-03-09	--	<10	<2	<0.020
83-03-09	--	<10	<2	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CACO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)
404923073122401	S 15746	112GLCLU	82-10-28	128	320	5.9	0.44	71	17
		112GLCLU	83-01-23	128	290	4.8	0.14	75	19
		112GLCLU	83-05-17	128	285	5.8	0.24	--	17
		112GLCLU	83-08-29	128	165	6.0	0.75	--	10
405113073260801	S 15776	112GLCLU	82-11-17	503	115	6.3	0.20	40	7.1
		112GLCLU	83-05-02	503	90	5.9	0.27	--	6.0
404536073163301	S 15898	112GLCLU	82-11-16	128	178	5.5	0.49	43	10
		112GLCLU	83-01-30	128	154	4.8	0.18	44	8.4
		112GLCLU	83-06-21	128	191	5.3	0.51	--	10
405134073155901	S 15923	112GLCLU	82-10-18	260	203	5.4	0.37	49	8.5
		112GLCLU	83-01-12	260	195	5.4	0.19	55	9.4
		112GLCLU	83-05-12	260	185	5.5	0.44	--	9.3
		112GLCLU	83-09-04	260	185	5.2	0.25	--	11
405607073072401	S 15962	112GLCLU	82-11-30	127	150	6.0	0.51	49	11
		112GLCLU	83-02-24	127	151	5.9	0.23	63	12

DATE OF SAMPLE	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
82-10-28	5.2	32	2.5	18	25	57	183	5.4	<0.010	<0.100	--	<30
83-01-23	5.5	33	2.3	20	23	56	185	5.7	<0.010	<0.100	<5	<30
83-05-17	5.0	33	2.4	22	20	56	182	--	<0.010	<0.100	--	<30
83-08-29	2.6	15	1.5	21	9.0	24	84	--	<0.010	0.060	--	40
82-11-17	2.9	6.1	0.7	13	8.8	9.0	69	3.9	<0.010	<0.100	--	<30
83-05-02	2.2	5.8	0.8	15	4.6	7.5	59	--	<0.010	<0.100	<5	<30
82-11-16	2.8	17	2.0	9.0	19	23	112	5.3	<0.010	<0.100	--	<30
83-01-30	2.8	18	2.0	9.0	19	21	108	5.1	<0.010	<0.100	<5	60
83-06-21	3.0	19	2.4	7.0	19	25	122	--	<0.010	0.750	--	<30
82-10-18	5.5	16	1.6	10	18	22	118	7.2	<0.010	<0.100	--	<30
83-01-12	5.8	15	1.6	10	16	22	119	7.8	<0.010	<0.100	<5	<30
83-05-12	5.8	17	1.8	8.0	17	22	129	--	<0.010	<0.100	--	<30
83-09-04	5.6	16	2.0	8.0	16	23	124	--	<0.010	<0.100	--	<30
82-11-30	3.8	9.4	0.8	25	13	13	92	3.8	<0.010	<0.100	--	<30
83-02-24	3.9	10	0.97	27	15	8.5	95	4.2	<0.010	<0.100	<5	40

DATE OF SAMPLE	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	SELENIUM, TOTAL (UG/L AS SE)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
82-10-28	<1	40	--	<0.020
83-01-23	--	40	<2	<0.020
83-05-17	<1	40	--	<0.020
83-08-29	--	40	--	<0.020
82-11-17	<1	<10	--	<0.020
83-05-02	--	<10	<2	<0.020
82-11-16	<1	180	--	<0.020
83-01-30	--	160	<2	<0.020
83-06-21	<1	210	--	<0.020
82-10-18	--	30	--	<0.020
83-01-12	--	10	<2	<0.020
83-05-12	--	20	--	<0.020
83-09-04	--	20	--	--
82-11-30	<1	<10	--	<0.020
83-02-24	--	<10	<2	<0.020

WATER GUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TUR-BID-ITY (NTU)	HARD-NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)
405301073153201	S 16129	211MGTY	82-10-21	550	46	6.2	0.23	17	3.0
		211MGTY	83-01-12	550	37	6.0	0.090	15	2.1
		211MGTY	83-05-16	550	32	6.2	0.14	--	2.0
404534073163101	S 16175	112GLCLU	82-11-15	130	143	6.4	0.33	53	15
		112GLCLU	83-06-20	130	172	5.4	0.38	--	8.9
404402073193202	S 16256	211MGTY	83-04-10	650	29	5.3	0.37	8	0.90
405230073030601	S 16309	112GLCLU	83-04-05	251	61	6.1	0.19	15	4.1
		112GLCLU	83-08-03	251	50	6.6	0.16	--	4.4
404947072405601	S 16892	112GLCLU	83-01-26	76	56	5.4	1.1	15	3.2
		112GLCLU	83-06-07	76	104	6.0	0.24	--	5.1
		112GLCLU	83-09-19	76	59	5.7	0.26	--	3.4
404945072414201	S 16893	112GLCLU	83-01-24	70	80	5.7	1.6	16	4.6
		112GLCLU	83-06-07	70	119	6.1	0.21	--	5.6
		112GLCLU	83-09-19	70	123	5.8	0.15	--	5.8

DATE OF SAMPLE	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 LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)
82-10-21	0.60	3.4	0.4	13	0.9	4.0	31	0.40	<0.010	<0.100	--	<30
83-01-12	0.53	3.4	0.4	10	0.6	3.0	27	0.49	<0.010	<0.100	<5	<30
83-05-16	0.48	3.2	0.3	11	<0.5	5.0	28	--	<0.010	<0.100	--	<30
82-11-15	2.0	9.0	0.9	27	15	13	90	2.1	<0.010	<0.100	--	<30
83-06-20	2.8	17	2.3	8.0	13	24	108	--	<0.010	<0.100	--	30
83-04-10	0.41	4.0	0.5	6.0	2.6	4.0	25	<0.050	<0.010	3.19	<5	220
83-04-05	1.3	4.8	0.4	16	1.7	6.0	42	1.0	<0.010	0.120	<5	<30
83-08-03	1.7	3.6	0.4	21	3.7	3.0	39	--	<0.010	0.290	--	<30
83-01-26	1.4	3.2	0.9	6.0	5.4	6.5	41	1.7	<0.010	<0.100	<5	<30
83-06-07	1.7	10	0.9	8.0	5.4	19	63	--	<0.010	<0.100	--	50
83-09-19	1.3	4.6	0.9	7.0	6.0	7.0	38	--	<0.010	<0.100	--	60
83-01-24	1.1	7.6	0.8	6.0	8.9	12	51	0.79	<0.010	<0.100	<5	<30
83-06-07	1.7	13	0.9	9.0	8.3	25	73	--	<0.010	<0.100	--	<30
83-09-19	1.8	14	1.0	9.0	8.0	26	70	--	<0.010	<0.100	--	30

DATE OF SAMPLE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	SELE-NIUM, TOTAL (UG/L AS SE)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
82-10-21	<1	<20	--	<0.020
83-01-12	--	<10	<2	<0.020
83-05-16	<1	<10	--	<0.020
82-11-15	<1	<10	--	<0.020
83-06-20	<1	200	--	<0.020
83-04-10	--	20	<2	<0.020
83-04-05	--	<10	<2	<0.020
83-08-03	<1	<10	--	<0.020
83-01-26	--	10	<2	<0.020
83-06-07	<1	40	--	<0.020
83-09-19	--	30	--	--
83-01-24	--	10	<2	<0.020
83-06-07	<1	10	--	<0.020
83-09-19	--	10	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CACO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)
404952072583601	S 17037	112GLCLU	83-01-10	155	119	5.9	0.14	33	7.5
		112GLCLU	83-06-01	155	130	5.9	0.20	--	10
405413072232901	S 17474	112GLCLU	83-01-25	103	205	5.6	1.4	100	25
		112GLCLU	83-06-06	103	260	6.0	0.19	--	28
		112GLCLU	83-09-19	103	250	5.8	0.21	--	26
405449073025601	S 17689	211MGTY	83-02-15	543	40	6.3	0.10	24	2.6
404233073204101	S 18003	211MGTY	83-04-11	668	21	5.0	0.18	5	0.60
404707073190401	S 18261	211MGTY	83-04-13	377	42	5.7	0.30	9	2.1
404528073150501	S 18566	211MGTY	83-04-19	65	38	6.5	0.23	--	2.4
404704073190401	S 18621	112GLCLU	83-04-17	201	82	6.0	0.38	22	4.1
410310071570001	S 18762	112GLCLU	82-11-30	167	163	6.5	0.36	41	6.6
		112GLCLU	83-02-22	167	180	6.2	0.17	51	7.4
		112GLCLU	83-07-04	167	185	6.4	0.45	--	7.9

DATE OF SAMPLE	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
83-01-10	2.1	10	1.8	13	12	8.5	78	4.2	<0.010	<0.100	<5	<30
83-06-01	2.8	12	2.3	13	15	14	96	--	<0.010	<0.100	--	<30
83-01-25	8.2	9.6	2.2	12	62	20	171	6.4	<0.010	<0.100	<5	<30
83-06-06	8.4	9.8	1.8	13	57	21	175	--	0.020	<0.100	--	<30
83-09-19	8.0	9.6	2.3	12	64	20	167	--	<0.010	<0.100	--	30
83-02-15	0.85	3.2	0.3	15	1.2	1.0	28	0.22	<0.010	<0.100	<5	<30
83-04-11	0.29	2.1	0.3	5.0	2.6	3.5	21	<0.050	<0.010	<0.100	--	520
83-04-13	0.93	4.3	0.5	6.0	1.3	6.5	35	1.6	<0.010	<0.100	<5	<30
83-04-19	0.83	3.3	0.4	11	4.7	4.5	32	--	<0.010	<0.100	--	60
83-04-17	2.3	7.2	0.7	12	4.1	10	59	3.2	<0.010	<0.100	<5	<30
82-11-30	3.7	17	1.1	27	9.0	26	91	0.44	<0.010	<0.100	--	<30
83-02-22	4.1	22	1.4	30	12	29	104	0.47	<0.010	0.100	<5	80
83-07-04	4.4	24	1.6	29	12	35	115	--	<0.010	<0.100	--	130

DATE OF SAMPLE	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	SELENIUM, TOTAL (UG/L AS SE)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
83-01-10	--	130	<2	<0.020
83-06-01	<1	170	--	<0.020
83-01-25	--	20	<2	<0.020
83-06-06	<1	20	--	<0.020
83-09-19	--	30	--	--
83-02-15	--	<10	<2	<0.020
83-04-11	--	10	--	<0.020
83-04-13	--	<10	<2	<0.020
83-04-19	--	10	--	<0.020
83-04-17	--	<10	<2	<0.020
82-11-30	<1	10	--	<0.020
83-02-22	--	20	<2	<0.020
83-07-04	<1	20	--	<0.020

WATER GUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TUR-BID-ITY (NTU)	HARD-NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)
404301073161901	S 19048	112GLCLU	83-06-29	731	29	4.5	0.75	--	0.60
404921073122701	S 19399	112GLCLU	82-10-24	131	225	5.8	0.29	53	12
		112GLCLU	83-01-16	131	223	5.7	0.13	56	14
		112GLCLU	83-05-18	131	226	5.9	0.18	--	13
		112GLCLU	83-08-29	131	210	5.8	0.23	--	13
404953072583601	S 19408	112GLCLU	83-06-05	166	94	6.0	0.25	--	7.2
405443073064501	S 19465	112GLCLU	82-11-18	178	114	6.1	0.19	37	6.0
		112GLCLU	83-02-22	178	148	5.8	0.31	37	6.6
404550073104301	S 19565	211MGTY	83-04-20	117	160	6.0	0.24	--	16
405129073071901	S 19884	112GLCLU	83-07-26	288	155	6.2	0.21	--	6.8
405128073072001	S 19885	112GLCLU	83-03-14	297	141	5.9	0.21	29	7.8
		112GLCLU	83-07-25	297	136	5.8	0.11	--	9.3
404519073225101	S 20057	112GLCLU	83-04-12	200	27	5.5	0.35	6	1.5

DATE OF SAMPLE	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 LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)
83-06-29	0.31	3.3	0.5	5.0	4.7	4.0	25	--	<0.010	0.430	--	530
82-10-24	3.0	23	2.4	17	19	36	129	3.4	<0.010	<0.100	--	<30
83-01-16	3.4	24	2.3	20	18	38	138	3.8	<0.010	<0.100	<5	<30
83-05-18	3.4	26	2.4	18	18	42	134	--	<0.010	<0.100	--	<30
83-08-29	3.3	23	2.3	17	18	37	123	--	<0.010	<0.100	--	<30
83-06-05	3.0	7.5	1.1	18	10	8.0	72	--	<0.010	<0.100	--	<30
82-11-18	2.8	7.9	0.5	21	4.3	9.5	67	3.3	<0.010	<0.100	--	160
83-02-22	2.9	7.9	0.4	18	4.5	7.0	64	3.3	<0.010	<0.100	<5	<30
83-04-20	3.2	15	4.7	11	33	24	137	--	<0.010	<0.100	<5	<30
83-07-26	2.6	22	0.9	33	11	14	106	--	0.010	0.280	--	<30
83-03-14	2.7	12	1.2	17	10	13	86	4.5	<0.010	<0.100	<5	<30
83-07-25	2.9	12	1.2	15	11	14	94	--	<0.010	0.200	--	<30
83-04-12	0.36	2.9	0.5	6.0	0.8	5.5	25	0.10	<0.010	<0.100	<5	<30

DATE OF SAMPLE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	SELE-NIUM, TOTAL (UG/L AS SE)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
83-06-29	<1	10	--	<0.020
82-10-24	<1	10	--	<0.020
83-01-16	--	30	<2	<0.020
83-05-18	<1	<10	--	<0.020
83-08-29	--	40	--	--
83-06-05	<1	30	--	<0.020
82-11-18	<1	<10	--	<0.020
83-02-22	--	<10	<2	<0.020
83-04-20	--	100	<2	<0.020
83-07-26	<1	20	--	<0.020
83-03-14	--	<10	<2	<0.020
83-07-25	<1	30	--	<0.020
83-04-12	--	<10	<2	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TUR-BID-ITY (NTU)	HARD-NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)
404516073225101	S 20300	211MGTY	83-04-13	232	18	6.0	0.17	3	0.80
404936073152501	S 20369	211MGTY	82-10-21	312	45	6.2	0.16	14	2.1
		211MGTY	83-01-08	312	45	6.0	0.23	18	2.2
404240073225002	S 20460	211MGTY	83-01-03	499	33	5.0	0.25	8	1.1
		211MGTY	83-05-10	499	28	5.0	0.43	--	0.60
		211MGTY	83-08-17	499	30	4.7	0.12	--	0.90
404547073104201	S 20479	112GLCLU	83-04-19	128	154	6.0	0.34	--	14
405257073202901	S 20530	112GLCLU	83-03-08	607	56	6.7	0.14	21	5.4
404317073153601	S 20566	211MGTY	82-10-31	775	24	5.4	0.47	9	1.0
		211MGTY	83-01-16	775	26	5.2	0.19	4	0.40
		211MGTY	83-05-17	775	20	5.5	0.22	--	0.40
405256073045601	S 20591	112GLCLU	82-10-03	150	270	6.3	0.15	15	13
		112GLCLU	83-04-06	150	290	5.8	0.15	68	17

DATE OF SAMPLE	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 LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)
83-04-13	0.23	2.3	0.3	6.0	<0.5	4.5	21	<0.050	<0.010	<0.100	<5	<30
82-10-21	0.84	4.2	0.4	15	<0.5	3.0	32	0.77	<0.010	<0.100	--	<30
83-01-08	0.85	4.1	0.4	13	0.8	4.0	33	0.76	<0.010	<0.100	<5	<30
83-01-03	0.34	3.9	0.3	4.0	3.5	4.0	25	<0.050	<0.010	1.38	<5	680
83-05-10	0.33	3.2	0.3	3.0	3.0	3.5	22	--	<0.010	<0.100	--	400
83-08-17	0.36	3.9	0.4	3.0	3.8	4.5	25	--	<0.010	0.910	--	420
83-04-19	3.1	8.6	3.5	11	29	14	108	--	<0.010	<0.100	<5	30
83-03-08	0.56	3.8	0.4	17	0.9	5.5	42	1.2	<0.010	<0.100	<5	<30
82-10-31	0.27	2.9	0.3	5.0	3.0	2.5	22	<0.050	<0.010	<0.100	--	230
83-01-16	0.25	2.9	0.3	4.0	2.7	1.0	19	<0.050	<0.010	<0.100	<5	230
83-05-17	0.27	2.9	0.4	3.0	3.0	4.0	22	--	<0.010	<0.100	--	160
82-10-03	5.3	25	3.3	13	22	21	166	14	<0.010	0.100	--	<30
83-04-06	6.5	29	4.2	17	26	19	199	18	<0.010	<0.100	<5	50

DATE OF SAMPLE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	SELE-NIUM, TOTAL (UG/L AS SE)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
83-04-13	--	<10	<2	<0.020
82-10-21	<1	<20	--	<0.020
83-01-08	--	<10	<2	<0.020
83-01-03	--	20	<2	<0.020
83-05-10	<1	20	--	<0.020
83-08-17	--	10	--	<0.020
83-04-19	--	80	<2	<0.020
83-03-08	--	<10	<2	<0.020
82-10-31	<1	<20	--	<0.020
83-01-16	--	<10	<2	<0.020
83-05-17	<1	<10	--	<0.020
82-10-03	--	50	--	<0.020
83-04-06	--	50	<2	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CACO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)
404402073193201	S 20635	211MGTY	83-04-11	704	28	5.3	0.56	6	1.1
404941072372207	S 20688	112GLCLU	82-10-08	78	106	6.2	0.76	36	7.2
		112GLCLU	82-10-27	78	96	6.1	0.39	35	6.3
		112GLCLU	83-01-26	78	70	5.3	1.0	29	4.1
		112GLCLU	83-06-07	78	104	6.1	0.21	--	7.3
		112GLCLU	83-09-19	78	67	5.7	0.29	--	4.2
405045073120401	S 20689	211MGTY	82-10-24	596	49	6.7	0.31	26	3.4
		211MGTY	83-01-18	596	47	6.2	0.10	28	3.4
		211MGTY	83-05-23	596	48	6.5	0.17	--	4.3
404158073212201	S 20955	211MGTY	83-04-12	630	28	5.3	0.40	5	0.50
405134073235702	S 21121	112GLCLU	83-05-02	560	66	6.0	0.25	--	5.3
404304073162001	S 21244	211MGTY	83-01-30	602	37	5.5	6.7	8	1.8
		211MGTY	83-06-23	602	33	5.9	0.36	--	3.3

DATE OF SAMPLE	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
83-04-11	0.52	3.8	0.7	5.0	4.2	4.5	27	<0.050	<0.010	0.860	<5	490
82-10-08	3.5	6.7	0.7	27	8.6	9.0	65	0.80	<0.010	<0.100	--	70
82-10-27	2.9	5.8	0.7	23	8.7	8.0	59	0.91	<0.010	<0.100	--	30
83-01-26	1.9	4.0	0.7	14	7.3	4.0	46	1.4	<0.010	<0.100	<5	<30
83-06-07	3.5	6.8	0.8	29	8.6	9.5	68	--	<0.010	<0.100	--	<30
83-09-19	1.7	4.6	0.9	12	8.3	5.5	41	--	<0.010	<0.100	--	<30
82-10-24	1.6	3.3	0.5	19	2.0	2.0	33	<0.050	<0.010	<0.100	--	60
83-01-18	1.5	3.1	0.4	18	2.7	4.5	36	<0.050	<0.010	<0.100	<5	<30
83-05-23	1.6	3.2	0.4	20	2.1	4.5	37	--	<0.010	<0.100	--	<30
83-04-12	0.27	4.4	0.3	6.0	2.3	3.5	24	<0.050	<0.010	5.04	<5	430
83-05-02	2.0	5.9	0.6	19	<0.5	7.5	55	--	<0.010	<0.100	--	<30
83-01-30	0.99	3.3	0.6	11	4.6	2.0	29	<0.050	<0.010	0.210	<5	250
83-06-23	1.0	3.3	0.6	11	3.4	3.5	31	--	<0.010	<0.100	--	330

DATE OF SAMPLE	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	SELENIUM, TOTAL (UG/L AS SE)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
83-04-11	--	20	<2	<0.020
82-10-08	--	100	--	<0.020
82-10-27	<1	40	--	<0.020
83-01-26	--	10	<2	<0.020
83-06-07	<1	40	--	<0.020
83-09-19	--	40	--	--
82-10-24	<1	<10	--	<0.020
83-01-18	--	<10	<2	<0.020
83-05-23	<1	10	--	<0.020
83-04-12	--	20	<2	<0.020
83-05-02	<1	<10	--	<0.020
83-01-30	--	20	<2	<0.020
83-06-23	<1	10	--	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CACO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)
404717072595601	S 21247	112GLCLU	82-10-26	145	150	5.5	0.10	44	8.6
		112GLCLU	83-01-05	145	200	5.6	3.3	39	7.4
404357073181601	S 21366	211MGTY	83-04-12	455	36	5.9	0.95	20	1.8
404220073190302	S 21375	211MGTY	83-04-12	500	28	6.0	1.5	10	0.70
404320073222401	S 21487	211MGTY	83-05-04	337	54	5.9	0.29	--	4.5
405443073064502	S 21632	211MGTY	83-02-23	516	46	5.9	0.19	20	1.7
405159073085501	S 21945	211MGTY	83-03-15	726	64	5.9	0.34	32	3.3
		211MGTY	83-07-25	726	54	6.2	0.36	--	4.0
405259073202801	S 22048	112GLCLU	83-03-08	600	41	6.0	0.35	15	1.7
405127073070901	S 22171	211MGTY	83-03-14	332	178	--	0.24	47	11
		211MGTY	83-07-25	332	150	--	0.17	--	11

DATE OF SAMPLE	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
82-10-26	3.0	13	1.9	11	13	17	97	5.6	<0.010	<0.100	--	<30
83-01-05	2.8	12	1.8	11	13	16	90	4.8	<0.010	0.100	<5	<30
83-04-12	0.64	3.3	0.4	9.0	1.1	3.5	25	<0.050	<0.010	0.960	<5	420
83-04-12	0.48	3.4	0.5	7.0	3.8	4.0	26	<0.050	<0.010	0.580	--	380
83-05-04	0.56	6.5	0.4	10	5.3	8.5	41	--	<0.010	3.80	--	320
83-02-23	0.64	3.0	0.2	11	0.7	3.0	25	<0.050	<0.010	<0.100	<5	<30
83-03-15	1.6	4.8	0.8	14	10	0.5	39	<0.050	<0.010	1.24	<5	510
83-07-25	1.6	4.8	0.8	13	10	3.5	42	--	<0.010	1.10	--	1200
83-03-08	0.61	4.0	0.5	6.0	0.9	5.0	32	1.6	<0.010	<0.100	<5	<30
83-03-14	4.3	14	2.5	22	15	18	117	6.5	<0.010	<0.100	<5	<30
83-07-25	4.2	15	1.8	16	16	19	113	--	<0.010	<0.100	--	<30

DATE OF SAMPLE	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	SELENIUM, TOTAL (UG/L AS SE)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
82-10-26	<1	80	--	<0.020
83-01-05	--	70	<2	<0.020
83-04-12	--	30	<2	<0.020
83-04-12	--	10	--	<0.020
83-05-04	<1	20	--	<0.020
83-02-23	--	<10	<2	<0.020
83-03-15	--	150	<2	<0.020
83-07-25	<1	150	--	<0.020
83-03-08	--	<10	<2	<0.020
83-03-14	--	10	<2	<0.020
83-07-25	<1	10	--	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CACO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)
404054073231801	S 22351	211MGTY	83-01-05	558	40	5.5	0.49	15	3.5
		211MGTY	83-05-03	558	28	5.3	0.16	--	1.3
404955073170401	S 22362	112GLCLU	82-10-19	314	96	6.2	0.16	31	7.0
		112GLCLU	83-01-10	314	98	6.4	0.11	39	7.7
		112GLCLU	83-05-17	314	118	6.4	0.26	--	12
		112GLCLU	83-08-25	314	86	6.1	0.19	--	7.0
404357073181502	S 22389	211MGTY	83-04-13	466	41	6.1	1.5	11	4.0
404922073162901	S 22471	211MGTY	82-10-19	383	88	6.0	0.19	24	5.3
		211MGTY	83-01-10	383	69	5.9	0.27	20	5.6
		211MGTY	83-08-31	383	71	5.5	0.15	--	4.1
405155073045202	S 22547	112GLCLU	82-10-12	109	155	6.0	0.14	49	10
		112GLCLU	83-03-22	109	153	5.9	1.1	40	11
		112GLCLU	83-08-01	109	132	6.0	0.12	--	9.4
404705073190701	S 22548	211MGTY	83-04-12	416	25	5.4	0.21	16	1.1

DATE OF SAMPLE	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
83-01-05	0.71	2.9	0.3	7.0	4.8	2.0	28	<0.050	<0.010	0.990	<5	300
83-05-03	0.73	2.9	0.4	4.0	5.9	3.5	26	--	<0.010	0.740	--	320
82-10-19	2.5	5.9	0.6	22	4.4	7.5	62	2.6	<0.010	<0.100	--	<30
83-01-10	2.5	6.5	0.6	26	4.6	5.5	63	2.3	<0.010	<0.100	<5	<30
83-05-17	2.7	5.9	0.6	32	4.4	6.5	76	--	<0.010	<0.100	--	<30
83-08-25	2.9	5.8	0.7	19	4.4	7.0	60	--	<0.010	<0.100	--	<30
83-04-13	0.87	3.9	0.5	14	<0.5	4.0	31	<0.050	<0.010	2.00	<5	730
82-10-19	1.5	7.0	0.6	14	0.9	7.0	55	3.5	<0.010	<0.100	--	<30
83-01-10	1.4	5.0	0.5	10	0.9	6.0	49	3.3	<0.010	<0.100	<5	<30
83-08-31	1.4	5.8	0.6	10	<0.5	7.5	47	--	<0.010	<0.100	--	<30
82-10-12	3.3	11	1.3	17	11	15	92	4.9	<0.010	<0.100	--	50
83-03-22	3.5	11	1.4	17	13	12	99	6.2	<0.010	<0.100	<5	160
83-08-01	3.6	11	1.3	15	13	13	98	--	<0.010	<0.100	--	<30
83-04-12	0.33	2.7	0.4	4.0	1.9	4.0	25	0.65	<0.010	<0.100	<5	70

DATE OF SAMPLE	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	SELENIUM, TOTAL (UG/L AS SE)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
83-01-05	--	<10	<2	<0.020
83-05-03	<1	10	--	<0.020
82-10-19	<1	<20	--	<0.020
83-01-10	--	<10	<2	<0.020
83-05-17	<1	<10	--	<0.020
83-08-25	--	<10	--	<0.020
83-04-13	--	40	<2	<0.020
82-10-19	<1	<20	--	<0.020
83-01-10	--	<10	<2	<0.020
83-08-31	--	10	--	--
82-10-12	--	30	--	<0.020
83-03-22	--	50	<2	<0.020
83-08-01	<1	50	--	<0.020
83-04-12	--	<10	<2	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CACO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)
405625073031801	S 22640	211MGTY	82-11-16	453	195	6.8	0.29	68	13
		211MGTY	83-03-02	453	195	6.6	0.14	75	12
		211MGTY	83-06-28	453	180	6.7	0.71	--	16
404921073122702	S 23183	211MGTY	82-10-31	341	71	6.2	0.39	25	4.1
		211MGTY	83-01-19	341	61	6.7	0.16	19	2.7
		211MGTY	83-05-16	341	61	6.1	0.18	--	4.0
		211MGTY	83-09-05	341	65	6.0	0.22	--	4.5
405124072353602	S 23184	112GLCLU	82-10-29	118	165	6.0	0.28	60	13
		112GLCLU	83-01-21	118	152	4.7	0.12	56	9.2
		112GLCLU	83-06-06	118	157	5.9	0.27	--	12
405607073072402	S 23185	211MGTY	83-02-16	544	43	6.2	0.15	20	3.2
405251073142801	S 23186	211MGTY	82-10-20	497	34	5.9	0.54	13	1.7
		211MGTY	83-01-13	497	32	6.0	0.31	15	1.1
		211MGTY	83-05-16	497	28	6.5	0.31	--	1.4
		211MGTY	83-08-25	497	28	5.6	0.16	--	1.2

DATE OF SAMPLE	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
82-11-16	5.7	12	1.1	34	21	16	112	2.9	<0.010	<0.100	--	30
83-03-02	5.4	13	1.3	34	21	14	109	3.1	<0.010	<0.100	<5	<30
83-06-28	6.2	13	1.3	37	19	19	118	--	<0.010	<0.100	--	<30
82-10-31	1.6	4.7	0.4	13	3.8	6.0	41	0.79	<0.010	<0.100	--	<30
83-01-19	1.3	4.6	0.4	14	4.1	5.0	39	0.74	<0.010	<0.100	<5	40
83-05-16	1.6	4.6	0.4	14	2.6	7.5	42	--	0.010	<0.100	--	30
83-09-05	1.7	4.8	0.5	13	4.0	7.5	37	--	<0.010	<0.100	--	<30
82-10-29	5.9	7.3	1.4	9.0	33	12	100	3.1	<0.010	<0.100	--	<30
83-01-21	5.6	7.1	1.3	8.0	34	10	96	3.4	<0.010	<0.100	<5	<30
83-06-06	5.7	7.2	1.1	7.0	24	13	94	--	<0.010	<0.100	--	<30
83-02-16	0.78	3.3	0.3	12	2.1	1.0	27	<0.050	<0.010	<0.100	<5	<30
82-10-20	0.75	3.3	0.4	8.0	1.4	4.0	28	0.58	<0.010	<0.100	--	<30
83-01-13	0.40	2.9	0.3	7.0	1.2	3.5	25	0.46	<0.010	<0.100	<5	<30
83-05-16	0.44	2.9	0.4	8.0	1.0	4.0	26	--	<0.010	<0.100	--	30
83-08-25	0.43	3.2	0.4	6.0	<0.5	4.0	22	--	<0.010	<0.100	--	<30

DATE OF SAMPLE	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	SELENIUM, TOTAL (UG/L AS SE)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
82-11-16	<1	<10	--	<0.020
83-03-02	--	<10	<2	<0.020
83-06-28	<1	<10	--	<0.020
82-10-31	<1	<10	--	<0.020
83-01-19	--	<10	<2	<0.020
83-05-16	<1	<10	--	<0.020
83-09-05	--	10	--	--
82-10-29	<1	40	--	<0.020
83-01-21	--	70	<2	<0.020
83-06-06	<1	140	--	<0.020
83-02-16	--	<10	<2	<0.020
82-10-20	<1	<10	--	<0.020
83-01-13	--	<10	<2	<0.020
83-05-16	--	10	--	<0.020
83-08-25	--	<10	--	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CACO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)
405453073030301	S 23255	211MGTY	83-02-16	487	53	6.5	0.20	57	3.4
405336073202101	S 23371	112GLCLU	83-03-09	474	77	5.7	0.27	16	4.0
404942072591601	S 23440	112GLCLU	83-06-06	165	141	5.8	0.14	--	9.4
404659073164101	S 23445	211MGTY	83-01-31	608	47	5.2	0.16	24	2.4
405158073030001	S 23524	112GLCLU	83-03-27	446	53	6.9	0.15	12	3.3
		112GLCLU	83-08-01	446	46	6.2	0.12	--	2.9
405047073120601	S 23631	211MGTY	82-10-25	595	52	6.4	1.4	21	3.1
		211MGTY	83-01-16	595	48	6.0	0.33	25	2.9
		211MGTY	83-05-22	595	47	6.3	0.40	--	3.0
404955073170402	S 23715	112GLCLU	82-10-19	313	148	6.0	0.19	44	9.0
		112GLCLU	83-01-12	313	141	6.0	0.14	45	8.7
		112GLCLU	83-05-12	313	131	6.7	0.46	--	16

DATE OF SAMPLE	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
83-02-16	1.3	3.9	0.4	15	3.1	1.5	36	0.84	<0.010	<0.100	<5	<30
83-03-09	1.4	5.5	0.7	8.0	1.5	8.0	50	3.5	<0.010	<0.100	<5	<30
83-06-06	3.2	12	1.9	21	11	14	95	--	<0.010	<0.100	--	<30
83-01-31	1.0	3.9	0.4	10	2.9	2.5	33	1.1	<0.010	<0.100	<5	<30
83-03-27	1.2	4.4	0.4	12	1.7	5.5	37	1.0	<0.010	<0.100	<5	<30
83-08-01	1.2	4.4	0.4	11	2.5	5.0	37	--	<0.010	<0.100	--	<30
82-10-25	1.5	4.4	0.5	19	3.1	3.0	36	<0.050	<0.010	1.52	--	990
83-01-16	1.5	3.7	0.5	16	4.1	5.0	36	<0.050	<0.010	1.11	<5	960
83-05-22	1.6	3.5	0.5	18	2.6	4.0	35	--	<0.010	0.260	--	970
82-10-19	4.0	11	0.9	22	8.4	11	92	5.8	<0.010	<0.100	--	<30
83-01-12	4.0	10	0.9	21	8.5	11	89	5.5	<0.010	<0.100	<5	<30
83-05-12	2.9	8.7	0.8	41	4.2	12	99	--	<0.010	<0.100	--	130

DATE OF SAMPLE	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	SELENIUM, TOTAL (UG/L AS SE)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
83-02-16	--	<10	<2	<0.020
83-03-09	--	<10	<2	<0.020
83-06-06	<1	110	--	<0.020
83-01-31	--	<30	<2	<0.020
83-03-27	--	<10	<2	<0.020
83-08-01	<1	<10	--	<0.020
82-10-25	<1	10	--	<0.020
83-01-16	--	<10	2	<0.020
83-05-22	<1	10	--	<0.020
82-10-19	<1	<20	--	<0.020
83-01-12	--	<10	<2	<0.020
83-05-12	<1	10	--	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CACO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)
404922073162701	S 23832	211MGTY	82-10-18	409	76	5.7	0.16	22	4.2
		211MGTY	83-01-08	409	76	5.8	0.26	22	4.1
		211MGTY	83-08-29	409	75	5.4	0.27	--	4.4
404430073211301	S 23848	211MGTY	83-04-13	634	31	6.3	0.83	5	1.5
404806073100101	S 24047	112GLCLU	83-04-19	134	190	6.3	0.70	--	11
405920072170301	S 24323	112GLCLU	83-03-01	174	72	6.3	0.20	19	3.7
		112GLCLU	83-06-28	174	73	6.4	0.40	--	3.9
405248073142901	S 24545	211MGTY	82-10-21	512	30	6.0	0.25	21	1.7
		211MGTY	83-01-08	512	52	6.1	0.22	24	3.7
		211MGTY	83-05-15	512	144	6.6	0.52	--	17
		211MGTY	83-08-29	512	27	5.6	0.35	--	1.4
405626073031701	S 24663	211MGTY	82-11-17	460	235	6.7	0.26	84	17
		211MGTY	83-03-01	460	220	6.6	0.15	93	14
		211MGTY	83-06-21	460	215	6.6	0.31	--	19

DATE OF SAMPLE	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
82-10-18	1.4	6.2	0.6	10	0.8	8.0	54	3.9	<0.010	<0.100	--	<30
83-01-08	1.5	5.5	0.5	11	0.8	5.5	52	4.0	<0.010	<0.100	<5	<30
83-08-29	1.5	6.5	0.7	9.0	<0.5	8.5	52	--	<0.010	<0.100	--	<30
83-04-13	0.22	3.4	0.3	7.0	2.6	4.0	25	<0.050	<0.010	1.84	<5	--
83-04-19	3.9	19	1.9	19	12	30	121	--	<0.010	<0.100	<5	<30
83-03-01	1.5	6.7	0.5	16	4.9	9.5	47	0.28	<0.010	<0.100	<5	<30
83-06-28	1.6	6.8	0.4	15	2.8	11	46	--	<0.010	<0.100	--	<30
82-10-21	0.41	3.0	0.4	8.0	<0.5	1.5	23	0.51	<0.010	<0.100	--	<30
83-01-08	0.64	3.8	0.5	15	1.1	3.5	35	0.74	<0.010	<0.100	<5	<30
83-05-15	1.9	8.7	--	40	3.5	16	92	--	<0.010	<0.100	--	60
83-08-29	0.45	3.1	0.4	6.0	0.5	4.0	24	--	<0.010	<0.100	--	<30
82-11-17	7.8	13	1.0	41	21	19	134	4.9	<0.010	<0.100	--	50
83-03-01	7.3	14	1.2	41	21	17	131	5.2	<0.010	<0.100	<5	<30
83-06-21	8.5	15	1.2	46	26	23	151	--	<0.010	0.950	--	<30

DATE OF SAMPLE	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	SELENIUM, TOTAL (UG/L AS SE)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
82-10-18	<1	<20	--	<0.020
83-01-08	--	<10	<2	<0.020
83-08-29	--	10	--	--
83-04-13	--	20	<2	<0.020
83-04-19	--	70	<2	<0.020
83-03-01	--	<10	<2	<0.020
83-06-28	<1	<10	--	<0.020
82-10-21	<1	<10	--	<0.020
83-01-08	--	<10	<2	<0.020
83-05-15	--	<10	--	<0.020
83-08-29	--	<10	--	<0.020
82-11-17	<1	10	--	<0.020
83-03-01	--	<10	<2	<0.020
83-06-21	<1	<10	--	<0.020

WATER GUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TUR-BID-ITY (NTU)	HARD-NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)
404459073182401	S 25617	211MGTY	83-01-30	440	24	4.3	0.12	9	0.90
404431073211401	S 25674	211MGTY	83-04-12	625	20	6.0	0.45	4	0.90
405306073175201	S 25776	211MGTY	83-03-10	587	180	6.2	0.20	65	13
		211MGTY	83-07-20	587	163	6.4	0.17	--	14
405134073235602	S 27070	112GLCLU	83-04-26	560	64	6.2	0.26	--	4.9
405301073153202	S 27192	211MGTY	82-10-18	474	54	6.3	0.16	19	3.6
		211MGTY	83-01-10	474	27	6.1	0.10	15	1.7
		211MGTY	83-05-18	474	52	6.5	0.18	--	5.3
404617073035401	S 27259	112GLCLU	82-11-04	164	78	6.6	0.39	23	2.8
		112GLCLU	83-04-13	164	122	6.3	0.25	29	6.0
		112GLCLU	83-08-09	164	138	5.6	0.36	--	7.6
404547073104202	S 27533	211MGTY	83-04-21	307	42	6.3	0.23	--	2.6
405336073074001	S 27784	211MGTY	83-02-17	264	114	6.1	0.30	42	8.1

DATE OF SAMPLE	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 LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)
83-01-30	0.46	2.2	0.3	4.0	4.1	0.5	20	<0.050	<0.010	<0.100	<5	130
83-04-12	0.24	2.7	0.3	5.0	1.2	4.0	21	<0.050	<0.010	0.940	<5	300
83-03-10	4.6	9.1	1.7	13	29	11	109	5.5	<0.010	<0.100	<5	<30
83-07-20	4.9	8.4	0.8	14	24	13	109	--	<0.010	<0.100	--	<30
83-04-26	1.8	5.6	0.5	20	<0.5	5.5	48	--	<0.010	<0.100	<5	<30
82-10-18	0.85	4.0	0.5	15	1.5	5.5	38	0.82	<0.010	<0.100	--	<30
83-01-10	0.43	2.9	0.3	9.0	0.5	2.0	23	0.12	<0.010	<0.100	<5	<30
83-05-18	0.84	3.6	0.4	18	0.8	5.5	38	--	<0.010	<0.100	--	<30
82-11-04	2.0	6.1	0.4	10	1.9	6.5	47	2.8	<0.010	<0.100	--	<30
83-04-13	3.4	10	0.8	13	4.2	14	77	5.0	<0.010	<0.100	<5	<30
83-08-09	3.3	14	2.1	14	9.5	22	98	--	<0.010	<0.100	--	<30
83-04-21	1.1	4.1	0.3	11	1.9	7.0	36	--	<0.010	<0.100	<5	30
83-02-17	3.1	7.1	0.5	13	6.3	6.5	70	4.8	<0.010	<0.100	<5	<30

DATE OF SAMPLE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	SELE-NIUM, TOTAL (UG/L AS SE)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
83-01-30	--	<10	<2	<0.020
83-04-12	--	<10	<2	<0.020
83-03-10	--	<10	<2	<0.020
83-07-20	<1	10	--	<0.020
83-04-26	--	<10	<2	<0.020
82-10-18	<1	<20	--	<0.020
83-01-10	--	<10	<2	<0.020
83-05-18	<1	<10	--	<0.020
82-11-04	<1	10	--	<0.020
83-04-13	--	<10	<2	<0.020
83-08-09	<1	50	--	<0.020
83-04-21	--	<10	<2	<0.020
83-02-17	--	<10	<2	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CACO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)
404452073033002	S 28408	211MGTY	83-04-04	341	47	6.2	0.55	13	3.1
		211MGTY	83-08-08	341	40	6.2	0.95	--	3.0
404318073201901	S 28503	211MGTY	83-01-03	676	35	6.2	1.4	5	1.7
		211MGTY	83-05-03	676	34	5.9	0.31	--	3.0
		211MGTY	83-08-22	676	35	5.3	0.29	--	1.3
404717072595602	S 28767	211MGTY	82-10-11	139	149	5.8	0.24	38	9.3
		211MGTY	83-01-05	139	165	5.4	0.46	47	7.4
404912073033301	S 28819	112GLCLU	83-03-01	245	94	6.1	0.12	62	5.6
405414072232701	S 28928	112GLCLU	83-01-25	110	370	5.5	1.2	160	44
		112GLCLU	83-06-06	110	360	5.9	0.36	--	47
		112GLCLU	83-09-19	110	320	5.8	0.22	--	43
405445073064801	S 29411	211MGTY	83-02-17	553	36	6.0	0.17	8	2.0
404120073221601	S 29491	211MGTY	83-01-10	499	36	5.9	0.34	15	2.4
		211MGTY	83-08-17	499	37	5.6	0.22	--	1.3

DATE OF SAMPLE	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
83-04-04	1.2	3.6	0.5	18	2.7	2.5	34	<0.050	<0.010	<0.100	<5	420
83-08-08	1.2	3.8	0.5	16	2.9	4.0	34	--	<0.010	0.110	--	480
83-01-03	0.30	2.4	0.2	7.0	1.5	2.5	22	<0.050	<0.010	0.980	<5	100
83-05-03	0.32	2.8	0.4	10	1.9	2.5	26	--	<0.010	2.51	--	70
83-08-22	0.34	2.8	0.3	5.0	1.0	3.0	21	--	<0.010	1.47	--	110
82-10-11	3.0	13	2.1	11	14	20	97	4.6	<0.010	<0.100	--	<30
83-01-05	3.2	13	2.3	11	14	14	91	5.1	<0.010	<0.100	<5	<30
83-03-01	2.5	7.5	0.8	16	7.3	7.5	61	2.5	<0.010	<0.100	<5	<30
83-01-25	12	11	2.1	13	110	24	256	8.2	<0.010	<0.100	<5	<30
83-06-06	11	11	1.8	14	92	24	250	--	<0.010	<0.100	--	40
83-09-19	9.1	10	2.6	14	96	24	230	--	<0.010	<0.100	--	100
83-02-17	0.71	3.0	0.2	11	2.4	2.5	27	<0.050	<0.010	<0.100	<5	<30
83-01-10	1.0	3.6	0.4	8.0	6.3	1.5	29	<0.050	<0.010	0.430	<5	290
83-08-17	1.1	3.3	0.4	7.0	6.0	4.5	30	--	<0.010	0.600	--	210

DATE OF SAMPLE	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	SELENIUM, TOTAL (UG/L AS SE)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
83-04-04	--	<10	<2	<0.020
83-08-08	<1	10	--	<0.020
83-01-03	--	<10	<2	<0.020
83-05-03	<1	10	--	<0.020
83-08-22	--	<10	--	<0.020
82-10-11	<1	70	--	<0.020
83-01-05	--	<10	<2	<0.020
83-03-01	--	10	<2	<0.020
83-01-25	--	10	<2	<0.020
83-06-06	<1	30	--	<0.020
83-09-19	--	50	--	--
83-02-17	--	<10	<2	<0.020
83-01-10	--	10	<2	<0.020
83-08-17	--	<10	--	<0.020

WATER GUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TUR-BID-ITY (NTU)	HARD-NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)
404912073033302	S 29492	112GLCLU	82-10-01	234	123	6.2	0.11	42	8.2
		112GLCLU	83-03-09	234	110	5.8	0.12	76	6.8
405336073074002	S 29732	211MGTY	83-02-15	565	36	5.6	1.3	20	1.6
405652072590001	S 30088	112GLCLU	83-02-14	283	165	5.7	0.30	75	15
404914073095601	S 30117	112GLCLU	83-03-15	118	126	--	--	36	--
404914073095602	S 30118	112GLCLU	83-03-20	192	106	--	--	34	--
410321071564501	S 30207	112GLCLU	82-11-30	177	133	--	--	31	--
		112GLCLU	83-02-23	177	120	--	--	60	--
		112GLCLU	83-06-28	177	176	--	--	--	--
410327071565201	S 30208	112GLCLU	82-11-30	178	195	--	--	40	--
		112GLCLU	83-02-23	178	132	--	--	33	--
		112GLCLU	83-06-27	178	180	--	--	--	--

DATE OF SAMPLE	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 LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)
82-10-01	3.5	8.3	0.9	20	13	10	79	3.3	<0.010	<0.100	--	<30
83-03-09	3.1	7.9	0.8	15	13	8.5	71	2.9	<0.010	<0.100	<5	<30
83-02-15	0.64	3.1	0.3	10	2.2	0.5	23	<0.050	<0.010	<0.100	<5	60
83-02-14	7.1	5.8	0.6	14	41	7.5	115	4.5	<0.010	<0.100	<5	<30
83-03-15	--	--	--	--	--	12	70	1.5	<0.010	<0.100	<5	<30
83-03-20	--	--	--	--	--	9.0	68	2.6	<0.010	<0.100	<5	<30
82-11-30	--	--	--	--	--	22	77	0.78	<0.010	<0.100	--	<30
83-02-23	--	--	--	--	--	15	68	0.69	<0.010	<0.100	<5	30
83-06-28	--	--	--	--	--	40	103	--	<0.010	<0.100	--	<30
82-11-30	--	--	--	--	--	43	112	0.53	<0.010	<0.100	--	<30
83-02-23	--	--	--	--	--	24	79	0.50	<0.010	<0.100	<5	<30
83-06-27	--	--	--	--	--	46	109	--	<0.010	<0.100	--	<30

DATE OF SAMPLE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	SELE-NIUM, TOTAL (UG/L AS SE)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
82-10-01	--	10	--	<0.020
83-03-09	--	10	<2	<0.020
83-02-15	--	<10	<2	<0.020
83-02-14	--	<10	<2	<0.020
83-03-15	--	10	<2	<0.020
83-03-20	--	<10	<2	<0.020
82-11-30	<1	<10	--	<0.020
83-02-23	--	<10	<2	<0.020
83-06-28	<1	<10	--	<0.020
82-11-30	<1	<10	--	<0.020
83-02-23	--	<10	<2	<0.020
83-06-27	<1	10	--	<0.020

WATER GUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CACO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)
405900072063801	S 30227	112GLCLU	82-11-27	151	102	--	--	28	--
		112GLCLU	83-02-23	151	104	--	--	18	--
		112GLCLU	83-07-11	151	104	--	--	--	--
405854072063801	S 30228	112GLCLU	82-11-29	152	113	--	--	27	--
		112GLCLU	83-02-20	152	109	--	--	19	--
		112GLCLU	83-06-28	152	106	--	--	--	--
404754073132601	S 30234	112GLCLU	83-04-19	153	160	--	--	--	--
404515073225501	S 30506	211MGTY	83-04-11	621	19	--	--	5	--
405336073202301	S 30762	112GLCLU	83-03-08	479	110	--	--	28	--
405411072232901	S 31037	211MGTY	82-10-31	287	210	--	--	48	--
		211MGTY	83-06-07	287	165	--	--	--	--
		211MGTY	83-09-19	287	233	--	--	--	--
404155073212205	S 31038	211MGTY	83-04-12	529	28	--	--	4	--

DATE OF SAMPLE	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
82-11-27	--	--	--	--	--	18	62	0.070	<0.010	<0.100	--	<30
83-02-23	--	--	--	--	--	18	61	<0.050	<0.010	<0.100	<5	<30
83-07-11	--	--	--	--	--	20	65	--	0.010	0.810	--	<30
82-11-29	--	--	--	--	--	20	66	<0.050	<0.010	<0.100	--	<30
83-02-20	--	--	--	--	--	21	66	<0.050	<0.010	<0.100	<5	<30
83-06-28	--	--	--	--	--	21	68	--	<0.010	<0.100	--	<30
83-04-19	--	--	--	--	--	18	107	--	<0.010	<0.100	<5	<30
83-04-11	--	--	--	--	--	3.5	22	<0.050	<0.010	<0.100	<5	<30
83-03-08	--	--	--	--	--	11	70	5.0	<0.010	<0.100	<5	<30
82-10-31	--	--	--	--	--	45	121	0.61	<0.010	<0.100	--	280
83-06-07	--	--	--	--	--	15	102	--	<0.010	<0.100	--	80
83-09-19	--	--	--	--	--	59	122	--	0.010	<0.100	--	300
83-04-12	--	--	--	--	--	3.5	23	<0.050	<0.010	3.03	<5	350

DATE OF SAMPLE	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	SELENIUM, TOTAL (UG/L AS SE)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
82-11-27	<1	<10	--	<0.020
83-02-23	--	<10	<2	<0.020
83-07-11	<1	<10	--	<0.020
82-11-29	<1	<10	--	<0.020
83-02-20	--	<10	<2	<0.020
83-06-28	<1	10	--	<0.020
83-04-19	--	<10	<2	<0.020
83-04-11	--	20	<2	<0.020
83-03-08	--	<10	<2	<0.020
82-10-31	<1	20	--	<0.020
83-06-07	<1	10	--	<0.020
83-09-19	--	50	--	--
83-04-12	--	20	<2	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CACO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)
405253073263401	S 31039	211LLYD	82-11-04	342	62	--	--	20	--
		211LLYD	83-04-30	342	51	--	--	--	--
404754073132602	S 31624	211MGTY	83-04-19	439	58	--	--	--	--
405838072114201	S 31653	211MGTY	82-11-29	466	170	--	--	32	--
		211MGTY	83-03-01	466	144	--	--	35	--
		211MGTY	83-06-27	466	170	--	--	--	--
404616073035701	S 31913	112GLCLU	82-10-19	160	136	--	--	33	--
		112GLCLU	83-04-05	160	128	--	--	32	--
		112GLCLU	83-08-09	160	120	--	--	--	--
405512073010501	S 32180	211MGTY	83-02-28	348	105	--	--	36	--
405113073105901	S 32287	211MGTY	82-10-25	290	150	--	--	50	--
		211MGTY	83-02-18	290	146	--	--	60	--
		211MGTY	83-05-18	290	146	--	--	--	--
405354073021201	S 32325	112GLCLU	83-02-28	160	70	--	--	31	--

DATE OF SAMPLE	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
82-11-04	--	--	--	--	--	6.0	43	1.6	<0.010	<0.100	--	<30
83-04-30	--	--	--	--	--	6.0	41	--	<0.010	<0.100	<5	<30
83-04-19	--	--	--	--	--	6.0	44	--	<0.010	<0.100	<5	<30
82-11-29	--	--	--	--	--	37	91	<0.050	<0.010	1.25	--	840
83-03-01	--	--	--	--	--	31	82	<0.050	<0.010	1.34	<5	500
83-06-27	--	--	--	--	--	44	96	--	<0.010	<0.100	--	660
82-10-19	--	--	--	--	--	15	81	2.8	<0.010	<0.100	--	<30
83-04-05	--	--	--	--	--	16	79	2.8	<0.010	<0.100	6	40
83-08-09	--	--	--	--	--	20	83	--	<0.010	<0.100	--	<30
83-02-28	--	--	--	--	--	9.0	67	3.0	<0.010	<0.100	<5	<30
82-10-25	--	--	--	--	--	14	92	1.6	<0.010	0.150	--	--
83-02-18	--	--	--	--	--	12	87	1.7	<0.010	0.120	<5	<30
83-05-18	--	--	--	--	--	14	89	--	<0.010	0.210	--	<30
83-02-28	--	--	--	--	--	3.0	46	<0.050	<0.010	0.190	<5	<30

DATE OF SAMPLE	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	SELENIUM, TOTAL (UG/L AS SE)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
82-11-04	<1	<10	--	<0.020
83-04-30	--	<10	<2	<0.020
83-04-19	--	<10	<2	<0.020
82-11-29	<1	40	--	<0.020
83-03-01	--	40	<2	<0.020
83-06-27	<1	40	--	<0.020
82-10-19	<1	300	--	<0.020
83-04-05	--	150	<2	<0.020
83-08-09	<1	190	--	<0.020
83-02-28	--	<10	<2	<0.020
82-10-25	<1	50	--	<0.020
83-02-18	--	10	<2	<0.020
83-05-18	<1	<10	--	<0.020
83-02-28	--	<10	<2	<0.020

WATER GUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TUR-BID-ITY (NTU)	HARD-NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)
405351073021201	S 32326	112GLCLU	83-02-27	354	83	--	--	21	--
404046073252101	S 32501	211MGTY	83-01-05	631	25	--	--	8	--
		211MGTY	83-05-10	631	21	--	--	--	--
		211MGTY	83-08-17	631	25	--	--	--	--
405030073032101	S 32551	112GLCLU	83-03-06	245	245	--	--	96	--
405030073032102	S 32552	112GLCLU	83-03-03	243	205	--	--	92	--
404317073201801	S 33005	211MGTY	83-01-04	674	26	--	--	5	--
		211MGTY	83-08-23	674	21	--	--	--	--
405132073155901	S 33006	211MGTY	83-01-13	504	41	--	--	18	--
		211MGTY	83-05-11	504	38	--	--	--	--
404808073100101	S 33308	112GLCLU	83-04-10	132	165	--	--	42	--
405336073073601	S 33500	211MGTY	83-02-09	551	32	--	--	11	--

DATE OF SAMPLE	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 LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)
83-02-27	--	--	--	--	--	9.0	54	1.9	<0.010	<0.100	<5	<30
83-01-05	--	--	--	--	--	2.0	20	<0.050	<0.010	0.450	<5	350
83-05-10	--	--	--	--	--	3.0	20	--	<0.010	1.09	--	320
83-08-17	--	--	--	--	--	4.0	23	--	<0.010	2.10	--	360
83-03-06	--	--	--	--	--	45	142	2.2	<0.010	5.04	<5	30
83-03-03	--	--	--	--	--	32	124	3.7	<0.010	0.200	<5	30
83-01-04	--	--	--	--	--	2.5	21	<0.050	<0.010	0.730	<5	420
83-08-23	--	--	--	--	--	3.0	21	--	<0.010	<0.100	--	120
83-01-13	--	--	--	--	--	3.5	31	0.80	<0.010	<0.100	<5	<30
83-05-11	--	--	--	--	--	4.0	32	--	<0.010	<0.100	--	<30
83-04-10	--	--	--	--	--	27	106	4.0	<0.010	<0.100	<5	<30
83-02-09	--	--	--	--	--	0.5	23	<0.050	<0.010	<0.100	<5	<30

DATE OF SAMPLE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	SELE-NIUM, TOTAL (UG/L AS SE)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
83-02-27	--	<10	<2	<0.020
83-01-05	--	<10	<2	<0.020
83-05-10	<1	10	--	<0.020
83-08-17	--	<10	--	<0.020
83-03-06	--	10	<2	<0.020
83-03-03	--	10	<2	<0.020
83-01-04	--	<10	<2	<0.020
83-08-23	--	<10	--	<0.020
83-01-13	--	<10	<2	<0.020
83-05-11	<1	10	--	<0.020
83-04-10	--	70	<2	<0.020
83-02-09	--	<10	<2	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CACO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)
405415073204801	S 33820	211MGTY	83-03-10	408	250	--	--	80	--
		211MGTY	83-07-19	408	215	--	--	--	--
405257073202902	S 33970	112GLCLU	83-03-11	609	37	--	--	15	--
405512073010502	S 34007	211MGTY	83-03-02	345	58	--	--	27	--
404536073210801	S 34030	211MGTY	83-04-13	538	25	--	--	14	--
404534073210801	S 34031	211MGTY	83-04-13	515	23	--	--	5	--
405615073051501	S 34300	211MGTY	83-02-15	451	53	--	--	20	--
405613073051501	S 34301	211MGTY	83-02-23	536	103	--	--	42	--
405246073142801	S 34460	211MGTY	82-10-21	602	30	--	--	20	--
		211MGTY	83-01-12	602	72	--	--	25	--
		211MGTY	83-05-17	602	63	--	--	--	--
		211MGTY	83-09-07	602	27	--	--	--	--

DATE OF SAMPLE	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
83-03-10	--	--	--	--	--	18	135	4.1	<0.010	0.370	<5	<30
83-07-19	--	--	--	--	--	18	139	--	0.010	0.170	--	<30
83-03-11	--	--	--	--	--	4.5	34	1.8	<0.010	<0.100	<5	<30
83-03-02	--	--	--	--	--	5.0	39	0.71	<0.010	<0.100	<5	<30
83-04-13	--	--	--	--	--	4.0	25	0.38	<0.010	<0.100	--	40
83-04-13	--	--	--	--	--	3.5	23	0.14	<0.010	<0.100	--	110
83-02-15	--	--	--	--	--	1.0	34	0.19	<0.010	<0.100	<5	<30
83-02-23	--	--	--	--	--	5.0	63	1.6	<0.010	<0.100	<5	<30
82-10-21	--	--	--	--	--	2.0	24	0.17	<0.010	<0.100	--	<30
83-01-12	--	--	--	--	--	4.5	44	0.91	<0.010	<0.100	<5	<30
83-05-17	--	--	--	--	--	5.5	58	--	<0.010	<0.100	--	60
83-09-07	--	--	--	--	--	3.5	21	--	<0.010	<0.100	--	<30

DATE OF SAMPLE	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	SELENIUM, TOTAL (UG/L AS SE)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
83-03-10	--	<10	<2	<0.020
83-07-19	<1	10	--	<0.020
83-03-11	--	<10	<2	<0.020
83-03-02	--	<10	<2	<0.020
83-04-13	--	<10	--	<0.020
83-04-13	--	<10	--	<0.020
83-02-15	--	<10	<2	<0.020
83-02-23	--	<10	<2	<0.020
82-10-21	<1	<10	--	<0.020
83-01-12	--	<10	<2	<0.020
83-05-17	--	<10	--	<0.020
83-09-07	--	10	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CACO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)
404203073242202	S 34595	211MGTY	83-01-10	482	34	--	--	11	--
404512073112201	S 35033	211MGTY	83-04-19	317	84	--	--	--	--
405155073045201	S 35494	112GLCLU	83-03-23	429	74	--	--	34	--
		112GLCLU	83-08-02	429	56	--	--	--	--
405140073190801	S 35939	211MGTY	82-10-21	533	116	--	--	34	--
		211MGTY	83-01-12	533	115	--	--	36	--
		211MGTY	83-09-08	533	97	--	--	--	--
405445073063801	S 36166	211MGTY	83-02-24	433	69	--	--	32	--
405434073194201	S 36185	112GLCLU	83-03-11	111	260	--	--	84	--
		112GLCLU	83-07-20	111	253	--	--	--	--
405409073061401	S 36459	211MGTY	83-02-22	522	55	--	--	20	--
404627073070901	S 36460	211MGTY	82-11-07	611	36	--	--	15	--
		211MGTY	83-06-23	611	38	--	--	--	--

DATE OF SAMPLE	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
83-01-10	--	--	--	--	--	2.0	22	<0.050	<0.010	0.620	<5	300
83-04-19	--	--	--	--	--	11	56	--	<0.010	<0.100	<5	50
83-03-23	--	--	--	--	--	2.0	46	0.47	<0.010	<0.100	<5	<30
83-08-02	--	--	--	--	--	2.5	41	--	<0.010	0.190	--	<30
82-10-21	--	--	--	--	--	10	70	4.4	<0.010	<0.100	--	110
83-01-12	--	--	--	--	--	8.5	70	4.6	<0.010	0.130	<5	<30
83-09-08	--	--	--	--	--	11	72	--	<0.010	<0.100	--	<30
83-02-24	--	--	--	--	--	4.0	43	0.85	<0.010	<0.100	<5	<30
83-03-11	--	--	--	--	--	24	175	12	<0.010	<0.100	<5	<30
83-07-20	--	--	--	--	--	25	169	--	0.010	<0.100	--	<30
83-02-22	--	--	--	--	--	3.5	36	0.77	<0.010	<0.100	<5	<30
82-11-07	--	--	--	--	--	4.0	28	<0.050	<0.010	<0.100	--	300
83-06-23	--	--	--	--	--	4.5	29	--	<0.010	<0.100	--	280

DATE OF SAMPLE	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	SELENIUM, TOTAL (UG/L AS SE)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
83-01-10	--	10	<2	<0.020
83-04-19	--	<10	<2	<0.020
83-03-23	--	20	<2	<0.020
83-08-02	--	<10	--	<0.020
82-10-21	10	<20	--	<0.020
83-01-12	--	<10	<2	<0.020
83-09-08	--	<10	--	<0.020
83-02-24	--	<10	<2	<0.020
83-03-11	--	<10	<2	<0.020
83-07-20	<1	10	--	<0.020
83-02-22	--	<10	<2	<0.020
82-11-07	<1	<10	--	<0.020
83-06-23	<1	10	--	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CACO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)
405335072562901	S 36711	112GLCLU	83-03-28	143	99	--	--	35	--
		112GLCLU	83-08-03	143	90	--	--	--	--
404219073190401	S 36748	211MGTY	83-04-13	308	36	--	--	10	--
405014073161401	S 36791	211MGTY	83-01-18	674	54	--	--	21	--
		211MGTY	83-05-17	674	54	--	--	--	--
405321073232401	S 36869	211MGTY	82-11-04	353	105	--	--	34	--
		211MGTY	83-04-30	353	105	--	--	--	--
404923073162801	S 36976	211MGTY	82-10-20	418	47	--	--	13	--
		211MGTY	83-01-12	418	63	--	--	22	--
		211MGTY	83-09-01	418	40	--	--	--	--
404510073112301	S 37140	211MGTY	83-04-19	312	39	--	--	--	--
404753073132401	S 37141	211MGTY	83-04-21	429	30	--	--	--	--

DATE OF SAMPLE	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
83-03-28	--	--	--	--	--	7.0	68	0.61	<0.010	<0.100	<5	50
83-08-03	--	--	--	--	--	5.5	63	--	<0.010	<0.100	--	30
83-04-13	--	--	--	--	--	7.5	34	<0.050	<0.010	<0.100	--	540
83-01-18	--	--	--	--	--	3.0	37	0.69	<0.010	<0.100	<5	<30
83-05-17	--	--	--	--	--	5.5	42	--	<0.010	<0.100	--	<30
82-11-04	--	--	--	--	--	7.0	65	3.3	<0.010	<0.100	--	<30
83-04-30	--	--	--	--	--	9.5	69	--	<0.010	0.130	<5	<30
82-10-20	--	--	--	--	--	5.0	34	1.4	<0.010	<0.100	--	<30
83-01-12	--	--	--	--	--	4.5	43	2.5	<0.010	<0.100	<5	<30
83-09-01	--	--	--	--	--	4.5	28	--	<0.010	<0.100	--	<30
83-04-19	--	--	--	--	--	5.5	33	--	<0.010	<0.100	<5	90
83-04-21	--	--	--	--	--	4.0	28	--	<0.010	<0.100	<5	<30

DATE OF SAMPLE	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	SELENIUM, TOTAL (UG/L AS SE)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
83-03-28	--	10	<2	<0.020
83-08-03	<1	<10	--	<0.020
83-04-13	--	20	--	<0.020
83-01-18	--	<10	<2	<0.020
83-05-17	<1	<10	--	<0.020
82-11-04	<1	<10	--	<0.020
83-04-30	--	<10	<2	<0.020
82-10-20	<1	<20	--	<0.020
83-01-12	--	10	<2	<0.020
83-09-01	--	<10	--	<0.020
83-04-19	--	<10	<2	<0.020
83-04-21	--	<10	<2	<0.020

WATER GUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TUR-BID-ITY (NTU)	HARD-NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)
405200073085801	S 37174	211MGTY	83-03-14	309	104	--	--	61	--
		211MGTY	83-08-01	309	93	--	--	--	--
405409073061402	S 37301	211MGTY	83-02-10	315	66	--	--	25	--
405141073191001	S 37351	211MGTY	82-10-21	608	93	--	--	24	--
		211MGTY	83-01-10	608	91	--	--	30	--
		211MGTY	83-08-25	608	84	--	--	--	--
404717072595603	S 37494	211MGTY	83-01-10	313	51	--	--	26	--
		211MGTY	83-05-31	313	44	--	--	--	--
		211MGTY	83-09-05	313	43	--	--	--	--
404236073225001	S 37681	211MGTY	83-01-04	574	37	--	--	6	--
		211MGTY	83-05-10	574	30	--	--	--	--
		211MGTY	83-08-24	574	30	--	--	--	--
404932073060301	S 37847	112GLCLU	83-03-27	349	111	--	--	30	--
405652072590002	S 38194	112GLCLU	83-02-16	732	120	--	--	52	--

DATE OF SAMPLE	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 LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)
83-03-14	--	--	--	--	--	0.5	62	<0.050	<0.010	0.280	<5	30
83-08-01	--	--	--	--	--	3.5	65	--	<0.010	0.260	--	<30
83-02-10	--	--	--	--	--	2.5	42	0.84	<0.010	<0.100	<5	<30
82-10-21	--	--	--	--	--	7.0	55	4.5	<0.010	<0.100	--	530
83-01-10	--	--	--	--	--	7.0	59	4.8	<0.010	<0.100	<5	<30
83-08-25	--	--	--	--	--	8.5	62	--	<0.010	<0.100	--	<30
83-01-10	--	--	--	--	--	2.5	32	0.24	<0.010	0.150	<5	<30
83-05-31	--	--	--	--	--	5.0	36	--	<0.010	0.150	--	<30
83-09-05	--	--	--	--	--	4.0	27	--	<0.010	<0.100	--	<30
83-01-04	--	--	--	--	--	4.0	26	<0.050	<0.010	3.20	<5	--
83-05-10	--	--	--	--	--	2.5	22	--	<0.010	<0.100	--	500
83-08-24	--	--	--	--	--	3.5	25	--	<0.010	0.310	--	480
83-03-27	--	--	--	--	--	12	73	2.3	<0.010	<0.100	--	<30
83-02-16	--	--	--	--	--	5.0	73	2.1	<0.010	<0.100	<5	<30

DATE OF SAMPLE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	SELE-NIUM, TOTAL (UG/L AS SE)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
83-03-14	--	190	<2	<0.020
83-08-01	<1	130	--	<0.020
83-02-10	--	<10	<2	<0.020
82-10-21	<1	20	--	<0.020
83-01-10	--	<10	<2	<0.020
83-08-25	--	<10	--	<0.020
83-01-10	--	60	<2	<0.020
83-05-31	<1	<10	--	<0.020
83-09-05	--	10	--	--
83-01-04	--	20	<2	<0.020
83-05-10	<1	20	--	<0.020
83-08-24	--	10	--	<0.020
83-03-27	--	<10	--	<0.020
83-02-16	--	<10	<2	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CACO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)
404756073025502	S 38320	112GLCLU	82-10-07	172	110	--	--	31	--
		112GLCLU	83-04-06	172	103	--	--	22	--
		112GLCLU	83-08-09	172	98	--	--	--	--
404921073122703	S 38491	211MGTY	82-10-25	383	51	--	--	22	--
		211MGTY	83-01-23	383	72	--	--	21	--
		211MGTY	83-05-18	383	39	--	--	--	--
		211MGTY	83-08-30	383	38	--	--	--	--
404805073051501	S 38701	112GLCLU	82-10-12	202	158	--	--	44	--
		112GLCLU	83-04-06	202	172	--	--	37	--
405256073045602	S 38784	211MGTY	83-03-23	604	24	--	--	5	--
		211MGTY	83-08-02	604	21	--	--	--	--
405418073064902	S 38916	211MGTY	83-02-22	724	32	--	--	39	--
405919072170201	S 38917	112GLCLU	83-03-02	174	68	--	--	19	--
		112GLCLU	83-06-29	174	61	--	--	--	--

DATE OF SAMPLE	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
82-10-07	--	--	--	--	--	14	64	2.3	<0.010	<0.100	--	<30
83-04-06	--	--	--	--	--	13	74	2.5	<0.010	<0.100	<5	<30
83-08-09	--	--	--	--	--	16	68	--	<0.010	<0.100	--	<30
82-10-25	--	--	--	--	--	5.5	35	0.15	<0.010	<0.100	--	70
83-01-23	--	--	--	--	--	7.0	45	0.92	<0.010	<0.100	<5	<30
83-05-18	--	--	--	--	--	5.0	31	--	<0.010	<0.100	--	<30
83-08-30	--	--	--	--	--	2.5	22	--	<0.010	<0.100	--	<30
82-10-12	--	--	--	--	--	17	98	5.5	<0.010	<0.100	--	<30
83-04-06	--	--	--	--	--	20	103	5.9	<0.010	<0.100	--	<30
83-03-23	--	--	--	--	--	1.0	23	<0.050	<0.010	<0.100	<5	<30
83-08-02	--	--	--	--	--	2.5	21	--	<0.010	<0.100	--	<30
83-02-22	--	--	--	--	--	0.5	24	<0.050	<0.010	<0.100	<5	30
83-03-02	--	--	--	--	--	7.0	41	<0.050	<0.010	<0.100	<5	<30
83-06-29	--	--	--	--	--	9.5	43	--	<0.010	<0.100	--	<30

DATE OF SAMPLE	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	SELENIUM, TOTAL (UG/L AS SE)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
82-10-07	<1	70	--	<0.020
83-04-06	--	60	<2	<0.020
83-08-09	<1	80	--	<0.020
82-10-25	<1	<10	--	<0.020
83-01-23	--	<10	<2	<0.020
83-05-18	<1	<10	--	<0.020
83-08-30	--	10	--	--
82-10-12	<1	90	--	<0.020
83-04-06	--	100	--	<0.020
83-03-23	--	<10	<2	<0.020
83-08-02	<1	<10	--	<0.020
83-02-22	--	<10	<2	<0.020
83-03-02	--	<10	<2	<0.020
83-06-29	<1	<10	--	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TUR-BID-ITY (NTU)	HARD-NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)
404358073181801	S 39024	211MGTY	83-04-19	623	20	--	--	--	--
405054073050901	S 39347	112GLCLU	83-03-09	175	126	--	--	55	--
		112GLCLU	83-07-27	175	165	--	--	--	--
404614073123001	S 39531	211MGTY	83-04-19	288	151	--	--	--	--
405335072562902	S 40161	112GLCLU	82-10-03	137	108	--	--	42	--
		112GLCLU	83-03-29	137	100	--	--	34	--
		112GLCLU	83-08-01	137	95	--	--	--	--
404321073222601	S 40330	211MGTY	82-12-14	328	95	--	--	23	--
		211MGTY	83-01-10	328	76	--	--	30	--
405221073021201	S 40331	112GLCLU	82-10-01	457	81	--	--	28	--
		112GLCLU	83-03-30	457	99	--	--	26	--
404232073204103	S 40498	211MGTY	83-04-11	748	22	--	--	20	--

DATE OF SAMPLE	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 LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)
83-04-19	--	--	--	--	--	3.0	18	--	<0.010	0.530	<5	400
83-03-09	--	--	--	--	--	7.5	78	3.2	<0.010	0.170	<5	30
83-07-27	--	--	--	--	--	17	111	--	<0.010	0.160	--	<30
83-04-19	--	--	--	--	--	16	91	--	<0.010	<0.100	<5	<30
82-10-03	--	--	--	--	--	5.5	68	0.73	<0.010	0.160	--	<30
83-03-29	--	--	--	--	--	6.0	65	0.66	<0.010	<0.100	<5	1600
83-08-01	--	--	--	--	--	6.5	65	--	<0.010	0.140	--	<30
82-12-14	--	--	--	--	--	16	53	<0.050	<0.010	1.02	--	960
83-01-10	--	--	--	--	--	13	47	<0.050	<0.010	0.680	<5	930
82-10-01	--	--	--	--	--	6.0	53	2.3	<0.010	<0.100	--	<30
83-03-30	--	--	--	--	--	9.0	60	2.8	<0.010	<0.100	<5	<30
83-04-11	--	--	--	--	--	2.5	23	<0.050	<0.010	0.800	--	220

DATE OF SAMPLE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	SELE-NIUM, TOTAL (UG/L AS SE)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
83-04-19	--	20	<2	<0.020
83-03-09	--	10	<2	<0.020
83-07-27	<1	40	--	<0.020
83-04-19	--	<10	<2	<0.020
82-10-03	--	<20	--	<0.020
83-03-29	--	20	<2	<0.020
83-08-01	<1	<10	--	<0.020
82-12-14	<1	30	--	<0.020
83-01-10	--	30	<2	<0.020
82-10-01	--	<10	--	<0.020
83-03-30	--	<10	<2	<0.020
83-04-11	--	10	--	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CACO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)
405222073211901	S 40709	112GLCLU	82-10-01	484	65	--	--	23	--
		112GLCLU	83-03-23	484	72	--	--	20	--
405207073131401	S 40710	112GLCLU	82-10-24	463	35	--	--	17	--
		112GLCLU	83-01-18	463	34	--	--	23	--
		112GLCLU	83-08-30	463	31	--	--	--	--
405209073131401	S 40711	112GLCLU	83-01-16	274	96	--	--	45	--
		112GLCLU	83-08-30	274	106	--	--	--	--
405514073050102	S 40838	112GLCLU	83-02-17	288	150	--	--	61	--
405418073064901	S 40980	211MGTY	83-02-10	578	27	--	--	24	--
404820073073401	S 40982	112GLCLU	83-03-01	150	260	--	--	46	--
		112GLCLU	83-07-19	150	214	--	--	--	--
405015073090201	S 42226	112GLCLU	83-08-01	270	210	--	--	--	--

DATE OF SAMPLE	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
82-10-01	--	--	--	--	--	4.0	45	1.1	<0.010	<0.100	--	<30
83-03-23	--	--	--	--	--	6.0	47	1.2	<0.010	<0.100	<5	<30
82-10-24	--	--	--	--	--	3.0	27	0.38	<0.010	<0.100	--	<30
83-01-18	--	--	--	--	--	6.0	29	0.49	<0.010	<0.100	<5	<30
83-08-30	--	--	--	--	--	4.0	22	--	<0.010	<0.100	--	<30
83-01-16	--	--	--	--	--	15	62	2.8	<0.010	<0.100	<5	<30
83-08-30	--	--	--	--	--	18	62	--	<0.010	<0.100	--	40
83-02-17	--	--	--	--	--	6.0	85	4.9	<0.010	<0.100	<5	<30
83-02-10	--	--	--	--	--	0.5	21	<0.050	<0.010	<0.100	<5	<30
83-03-01	--	--	--	--	--	45	136	3.7	<0.010	<0.100	<5	<30
83-07-19	--	--	--	--	--	48	141	--	<0.010	<0.100	--	<30
83-08-01	--	--	--	--	--	19	142	--	<0.010	0.150	--	<30

DATE OF SAMPLE	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	SELENIUM, TOTAL (UG/L AS SE)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
82-10-01	--	<10	--	<0.020
83-03-23	--	<10	<2	<0.020
82-10-24	<1	<20	--	<0.020
83-01-18	--	<10	<2	<0.020
83-08-30	--	10	--	--
83-01-16	--	<10	<2	<0.020
83-08-30	--	10	--	<0.020
83-02-17	--	<10	<2	<0.020
83-02-10	--	<10	<2	<0.020
83-03-01	--	50	<2	<0.020
83-07-19	<1	70	--	<0.020
83-08-01	<1	<10	--	<0.020

WATER GUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TUR-BID-ITY (NTU)	HARD-NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)
405016073090301	S 42227	112GLCLU	83-03-15	254	180	--	--	89	--
		112GLCLU	83-07-26	254	175	--	--	--	--
405119073123700	S 42270	211MGTY	82-10-26	650	40	--	--	19	--
		211MGTY	83-01-16	650	39	--	--	16	--
405119073123702	S 42473	211MGTY	82-10-31	648	47	--	--	16	--
		211MGTY	83-01-18	648	40	--	--	8	--
404738072562701	S 42499	112GLCLU	83-06-05	176	95	--	--	--	--
		112GLCLU	83-09-07	176	90	--	--	--	--
405215073012501	S 42504	112GLCLU	82-10-18	223	158	--	--	43	--
		112GLCLU	83-03-25	223	148	--	--	33	--
405215073012502	S 42505	112GLCLU	82-10-13	233	129	--	--	40	--
		112GLCLU	83-03-22	233	134	--	--	36	--
405054073050902	S 42760	112GLCLU	83-03-05	174	170	--	--	66	--
		112GLCLU	83-07-12	174	165	--	--	--	--

DATE OF SAMPLE	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 LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)
83-03-15	--	--	--	--	--	7.5	103	2.6	<0.010	<0.100	<5	<30
83-07-26	--	--	--	--	--	12	114	--	<0.010	0.100	--	<30
82-10-26	--	--	--	--	--	3.0	30	<0.050	<0.010	<0.100	--	--
83-01-16	--	--	--	--	--	2.5	30	<0.050	<0.010	<0.100	<5	<30
82-10-31	--	--	--	--	--	3.0	36	<0.050	<0.010	<0.100	--	60
83-01-18	--	--	--	--	--	1.0	30	<0.050	<0.010	<0.100	<5	70
83-06-05	--	--	--	--	--	17	60	--	<0.010	<0.100	--	40
83-09-07	--	--	--	--	--	15	58	--	<0.010	<0.100	--	<30
82-10-18	--	--	--	--	--	22	88	2.2	<0.010	<0.100	--	<30
83-03-25	--	--	--	--	--	20	89	2.3	<0.010	<0.100	<5	--
82-10-13	--	--	--	--	--	18	76	1.9	<0.010	<0.010	--	<30
83-03-22	--	--	--	--	--	18	83	2.0	<0.010	<0.100	<5	30
83-03-05	--	--	--	--	--	14	110	7.5	<0.010	<0.100	<5	<30
83-07-12	--	--	--	--	--	17	113	--	<0.010	0.160	--	<30

DATE OF SAMPLE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	SELE-NIUM, TOTAL (UG/L AS SE)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
83-03-15	--	<10	<2	<0.020
83-07-26	<1	10	--	<0.020
82-10-26	<1	<10	--	<0.020
83-01-16	--	<10	<2	<0.020
82-10-31	<1	<10	--	<0.020
83-01-18	--	10	<2	<0.020
83-06-05	<1	10	--	<0.020
83-09-07	--	<10	--	<0.020
82-10-18	--	400	--	<0.020
83-03-25	--	420	<2	<0.020
82-10-13	--	<10	--	<0.020
83-03-22	--	<10	<2	<0.020
83-03-05	--	50	<2	<0.020
83-07-12	<1	40	--	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CACO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)
404756073025501	S 42761	211MGTY	82-10-05	334	48	--	--	23	--
		211MGTY	83-04-04	334	47	--	--	13	--
		211MGTY	83-08-09	334	42	--	--	--	--
404305073161401	S 42762	211MGTY	83-06-22	743	20	--	--	--	--
404511073112301	S 42827	211MGTY	82-11-09	664	49	--	--	13	--
		211MGTY	83-04-20	664	39	--	--	--	--
405113073260901	S 43001	112GLCLU	82-11-18	532	97	--	--	38	--
		112GLCLU	83-04-25	532	95	--	--	--	--
405256073045603	S 43117	211MGTY	83-03-23	552	28	--	--	6	--
		211MGTY	83-08-01	552	26	--	--	--	--
404820073073402	S 43641	211MGTY	83-03-06	706	47	--	--	20	--
		211MGTY	83-07-19	706	36	--	--	--	--
405710072571301	S 44640	112GLCLU	83-02-28	205	103	--	--	35	--
		112GLCLU	83-07-19	205	84	--	--	--	--

DATE OF SAMPLE	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
82-10-05	--	--	--	--	--	4.0	34	<0.050	<0.010	0.960	--	190
83-04-04	--	--	--	--	--	2.5	38	<0.050	<0.010	0.540	<5	250
83-08-09	--	--	--	--	--	4.5	35	--	<0.010	<0.100	--	280
83-06-22	--	--	--	--	--	3.0	24	--	<0.010	0.280	--	220
82-11-09	--	--	--	--	--	4.0	33	<0.050	<0.010	1.86	--	460
83-04-20	--	--	--	--	--	4.0	32	--	<0.010	1.01	<5	470
82-11-18	--	--	--	--	--	8.5	67	3.6	<0.010	<0.100	--	<30
83-04-25	--	--	--	--	--	8.5	64	--	<0.010	<0.100	<5	<30
83-03-23	--	--	--	--	--	2.0	26	0.68	<0.010	<0.100	<5	<30
83-08-01	--	--	--	--	--	3.0	25	--	<0.010	<0.100	--	<30
83-03-06	--	--	--	--	--	1.5	31	<0.050	<0.010	0.130	<5	200
83-07-19	--	--	--	--	--	4.0	30	--	<0.010	<0.100	--	270
83-02-28	--	--	--	--	--	9.0	68	3.3	<0.010	<0.100	<5	<30
83-07-19	--	--	--	--	--	11	65	--	<0.010	<0.100	--	<30

DATE OF SAMPLE	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	SELENIUM, TOTAL (UG/L AS SE)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
82-10-05	<1	10	--	<0.020
83-04-04	--	10	<2	<0.020
83-08-09	<1	10	--	<0.020
83-06-22	<1	10	--	<0.020
82-11-09	--	<10	--	<0.020
83-04-20	--	<10	<2	<0.020
82-11-18	<1	<10	--	<0.020
83-04-25	--	<10	<2	<0.020
83-03-23	--	<10	<2	<0.020
83-08-01	<1	<10	--	<0.020
83-03-06	--	50	<2	<0.020
83-07-19	<1	20	--	<0.020
83-02-28	--	40	<2	<0.020
83-07-19	<1	<10	--	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CACO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)
404920073142801	S 44774	112GLCLU	82-10-21	293	61	--	--	18	--
		112GLCLU	83-01-13	293	60	--	--	30	--
405322073211404	S 45610	112GLCLU	82-12-06	312	54	--	--	21	--
404503073131201	S 45839	211MGTY	83-04-20	726	21	--	--	--	--
404218073190400	S 45840	211MGTY	83-04-19	315	42	--	--	--	--
404432073151300	S 46235	211MGTY	83-01-30	713	28	--	--	9	--
405002073022600	S 46400	112GLCLU	83-03-02	266	138	--	--	50	--
404803072484001	S 46712	112GLCLU	82-10-26	100	97	--	--	31	--
		112GLCLU	83-01-05	100	104	--	--	33	--
		112GLCLU	83-05-30	100	96	--	--	--	--
404804072484101	S 46713	211MGTY	82-10-06	443	69	--	--	29	--
		211MGTY	83-01-11	443	88	--	--	26	--
		211MGTY	83-06-06	443	80	--	--	--	--

DATE OF SAMPLE	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
82-10-21	--	--	--	--	--	5.5	41	0.52	<0.010	<0.100	--	<30
83-01-13	--	--	--	--	--	4.5	40	0.56	<0.010	<0.100	<5	<30
82-12-06	--	--	--	--	--	5.0	36	0.72	<0.010	<0.100	--	<30
83-04-20	--	--	--	--	--	5.0	23	--	<0.010	<0.100	<5	230
83-04-19	--	--	--	--	--	6.0	33	--	<0.010	<0.100	--	700
83-01-30	--	--	--	--	--	2.5	23	<0.050	<0.010	<0.100	<5	250
83-03-02	--	--	--	--	--	12	89	2.9	<0.010	0.100	<5	<30
82-10-26	--	--	--	--	--	13	55	0.54	<0.010	0.270	--	<30
83-01-05	--	--	--	--	--	16	59	0.64	<0.010	<0.100	<5	<30
83-05-30	--	--	--	--	--	19	64	--	<0.010	<0.100	--	<30
82-10-06	--	--	--	--	--	7.5	44	0.10	<0.010	<0.100	--	110
83-01-11	--	--	--	--	--	13	51	0.34	<0.010	<0.100	<5	110
83-06-06	--	--	--	--	--	15	55	--	<0.010	<0.100	--	80

DATE OF SAMPLE	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	SELENIUM, TOTAL (UG/L AS SE)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
82-10-21	<1	<20	--	<0.020
83-01-13	--	<10	<2	<0.020
82-12-06	--	<10	--	<0.020
83-04-20	--	<10	<2	<0.020
83-04-19	--	20	--	<0.020
83-01-30	--	10	<2	<0.020
83-03-02	--	<10	<2	<0.020
82-10-26	<1	<20	--	<0.020
83-01-05	--	<10	<2	<0.020
83-05-30	<1	<10	--	<0.020
82-10-06	<1	20	--	<0.020
83-01-11	--	20	<2	<0.020
83-06-06	<1	10	--	<0.020

WATER GUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TUR-BID-ITY (NTU)	HARD-NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)
404606073174601	S 46830	211MGTY	83-01-31	655	27	--	--	11	--
405455073025801	S 46928	211MGTY	83-02-14	649	45	--	--	35	--
404628072430803	S 47024	211MGTY	83-05-23	365	235	--	--	--	--
		211MGTY	83-09-19	365	230	--	--	--	--
404617073035501	S 47035	112GLCLU	82-10-21	508	45	--	--	14	--
		112GLCLU	83-04-17	508	42	--	--	10	--
405407073001102	S 47219	112GLCLU	82-11-28	208	155	--	--	55	--
		112GLCLU	83-02-14	208	151	--	--	72	--
405407073001101	S 47310	211MGTY	83-02-16	698	42	--	--	44	--
404317073201802	S 47435	211MGTY	83-01-05	441	28	--	--	5	--
		211MGTY	83-05-08	441	29	--	--	--	--
		211MGTY	83-08-17	441	39	--	--	--	--
405110072531501	S 47436	112GLCLU	83-03-28	165	66	--	--	22	--

DATE OF SAMPLE	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 LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)
83-01-31	--	--	--	--	--	5.0	26	0.30	<0.010	<0.100	<5	<30
83-02-14	--	--	--	--	--	1.0	31	<0.050	<0.010	<0.100	<5	<30
83-05-23	--	--	--	--	--	14	143	--	<0.010	0.610	--	<30
83-09-19	--	--	--	--	--	18	107	--	<0.010	0.400	--	30
82-10-21	--	--	--	--	--	1.5	30	<0.050	<0.010	<0.100	--	360
83-04-17	--	--	--	--	--	3.0	31	<0.050	<0.010	<0.100	<5	160
82-11-28	--	--	--	--	--	14	95	2.5	<0.010	<0.100	--	<30
83-02-14	--	--	--	--	--	11	87	2.5	<0.010	<0.100	<5	<30
83-02-16	--	--	--	--	--	1.0	27	<0.050	<0.010	<0.100	<5	<30
83-01-05	--	--	--	--	--	2.0	20	<0.050	<0.010	0.670	<5	280
83-05-08	--	--	--	--	--	2.5	24	--	<0.010	1.53	--	130
83-08-17	--	--	--	--	--	2.5	29	--	<0.010	2.14	--	250
83-03-28	--	--	--	--	--	7.0	42	0.19	<0.010	<0.100	<5	<30

DATE OF SAMPLE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	SELE-NIUM, TOTAL (UG/L AS SE)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
83-01-31	--	<10	<2	<0.020
83-02-14	--	10	<2	<0.020
83-05-23	<1	<10	--	<0.020
83-09-19	--	<10	--	<0.020
82-10-21	<1	20	--	<0.020
83-04-17	--	<10	<2	<0.020
82-11-28	<1	<10	--	<0.020
83-02-14	--	<10	<2	<0.020
83-02-16	--	<10	<2	<0.020
83-01-05	--	<10	<2	<0.020
83-05-08	<1	10	--	<0.020
83-08-17	--	10	--	<0.020
83-03-28	--	<10	<2	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CACO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)
405110072531502	S 47437	112GLCLU	83-03-28	179	101	--	--	39	--
405110072531503	S 47438	211MGTY	82-10-04	269	85	--	--	30	--
		211MGTY	83-03-22	269	96	--	--	32	--
405142073105801	S 47673	112GLCLU	82-10-24	280	135	--	--	48	--
		112GLCLU	83-01-18	280	130	--	--	50	--
		112GLCLU	83-05-18	280	125	--	--	--	--
404204073242001	S 47886	211MGTY	83-01-10	507	33	--	--	9	--
404046073252102	S 47887	211MGTY	83-01-03	618	23	--	--	5	--
		211MGTY	83-05-11	618	21	--	--	--	--
		211MGTY	83-08-23	618	21	--	--	--	--
405203073085501	S 48014	211MGTY	83-08-07	343	91	--	--	--	--
404515073225502	S 48193	211MGTY	83-04-10	534	39	--	--	12	--

DATE OF SAMPLE	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
83-03-28	--	--	--	--	--	7.5	60	0.25	<0.010	<0.100	<5	<30
82-10-04	--	--	--	--	--	9.0	52	0.48	<0.010	<0.100	--	480
83-03-22	--	--	--	--	--	7.5	59	0.39	<0.010	<0.100	<5	<30
82-10-24	--	--	--	--	--	10	78	1.7	<0.010	0.190	--	80
83-01-18	--	--	--	--	--	9.5	79	1.8	<0.010	<0.100	<5	<30
83-05-18	--	--	--	--	--	12	78	--	<0.010	0.180	--	<30
83-01-10	--	--	--	--	--	2.5	24	<0.050	<0.010	0.780	<5	350
83-01-03	--	--	--	--	--	1.5	17	<0.050	<0.010	<0.100	<5	300
83-05-11	--	--	--	--	--	3.0	19	--	<0.010	0.650	--	230
83-08-23	--	--	--	--	--	4.5	21	--	<0.010	0.910	--	270
83-08-07	--	--	--	--	--	3.5	63	--	<0.010	0.140	--	110
83-04-10	--	--	--	--	--	4.5	32	<0.050	<0.010	<0.100	<5	<30

DATE OF SAMPLE	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	SELENIUM, TOTAL (UG/L AS SE)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
83-03-28	--	<10	<2	<0.020
82-10-04	--	20	--	<0.020
83-03-22	--	<10	<2	<0.020
82-10-24	<1	20	--	<0.020
83-01-18	--	10	<2	<0.020
83-05-18	<1	10	--	<0.020
83-01-10	--	<10	<2	<0.020
83-01-03	--	<10	<2	<0.020
83-05-11	--	<10	--	<0.020
83-08-23	--	<10	--	<0.020
83-08-07	<1	290	--	<0.020
83-04-10	--	30	<2	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CACO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)
405319073233601	S 48719	112GLCLU	82-11-04	350	93	--	--	26	--
		112GLCLU	83-04-25	350	91	--	--	--	--
404739072562701	S 49018	211MGTY	83-06-05	518	60	--	--	--	--
		211MGTY	83-09-05	518	55	--	--	--	--
405720072122702	S 49422	112GLCLU	82-11-29	148	121	--	--	27	--
		112GLCLU	83-02-28	148	120	--	--	39	--
		112GLCLU	83-06-28	148	115	--	--	--	--
405335072562903	S 49606	211MGTY	82-10-01	388	86	--	--	31	--
		211MGTY	83-03-28	388	110	--	--	37	--
		211MGTY	83-08-02	388	83	--	--	--	--
404432073151303	S 50546	211MGTY	83-01-30	667	36	--	--	12	--
404426073073304	S 50630	211MGTY	82-10-11	245	65	--	--	24	--
		211MGTY	83-04-17	245	58	--	--	17	--
		211MGTY	83-08-08	245	58	--	--	--	--

DATE OF SAMPLE	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
82-11-04	--	--	--	--	--	6.0	59	2.1	<0.010	<0.100	--	<30
83-04-25	--	--	--	--	--	7.5	61	--	<0.010	<0.100	<5	30
83-06-05	--	--	--	--	--	4.0	43	--	<0.010	5.46	--	1100
83-09-05	--	--	--	--	--	4.0	40	--	<0.010	1.64	--	1000
82-11-29	--	--	--	--	--	14	68	1.5	<0.010	<0.100	--	<30
83-02-28	--	--	--	--	--	9.0	71	1.5	<0.010	<0.100	<5	<30
83-06-28	--	--	--	--	--	15	76	--	<0.010	<0.100	--	200
82-10-01	--	--	--	--	--	5.0	54	0.49	<0.010	<0.100	--	50
83-03-28	--	--	--	--	--	8.5	72	1.6	<0.010	<0.100	<5	--
83-08-02	--	--	--	--	--	5.0	56	--	<0.010	0.200	--	<30
83-01-30	--	--	--	--	--	3.0	27	<0.050	<0.010	0.400	<5	370
82-10-11	--	--	--	--	--	5.0	44	<0.050	<0.010	2.38	--	880
83-04-17	--	--	--	--	--	5.0	42	<0.050	<0.010	1.09	<5	880
83-08-08	--	--	--	--	--	4.5	43	--	<0.010	3.35	--	860

DATE OF SAMPLE	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	SELENIUM, TOTAL (UG/L AS SE)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
82-11-04	<1	<10	--	<0.020
83-04-25	--	<10	<2	--
83-06-05	<1	30	--	<0.020
83-09-05	--	<10	--	<0.020
82-11-29	<1	<10	--	<0.020
83-02-28	--	<10	<2	<0.020
83-06-28	<1	20	--	<0.020
82-10-01	--	<20	--	<0.020
83-03-28	--	80	<2	<0.020
83-08-02	<1	10	--	<0.020
83-01-30	--	20	<2	<0.020
82-10-11	<1	20	--	<0.020
83-04-17	--	40	<2	<0.020
83-08-08	<1	30	--	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CACO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)
405410073010501	S 51266	112GLCLU	83-03-09	593	54	--	--	40	--
410253071570801	S 51274	112GLCLU	83-02-23	55	225	--	--	51	--
		112GLCLU	83-06-27	55	203	--	--	--	--
410212071574401	S 51275	211MGTY	82-11-30	178	210	--	--	50	--
		211MGTY	83-02-24	178	215	--	--	73	--
		211MGTY	83-06-27	178	104	--	--	--	--
404353073215801	S 51298	211MGTY	83-08-21	652	26	--	--	--	--
404321073222602	S 51457	211MGTY	83-01-11	623	24	--	--	1	--
		211MGTY	83-05-03	623	18	--	--	--	--
404808073113302	S 51519	211MGTY	83-04-20	408	47	--	--	--	--
404820073073403	S 51609	211MGTY	83-02-28	730	43	--	--	22	--
		211MGTY	83-07-19	730	35	--	--	--	--
404225073193001	S 51673	211MGTY	83-04-10	763	25	--	--	20	--

DATE OF SAMPLE	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
83-03-09	--	--	--	--	--	2.0	35	0.13	<0.010	0.320	<5	70
83-02-23	--	--	--	--	--	39	120	0.90	<0.010	<0.100	<5	700
83-06-27	--	--	--	--	--	44	126	--	<0.010	<0.100	--	720
82-11-30	--	--	--	--	--	44	119	0.26	<0.010	<0.100	--	<30
83-02-24	--	--	--	--	--	41	116	0.19	<0.010	<0.100	<5	<30
83-06-27	--	--	--	--	--	21	66	--	<0.010	<0.100	--	210
83-08-21	--	--	--	--	--	4.0	22	--	<0.010	1.22	--	390
83-01-11	--	--	--	--	--	2.5	22	<0.50	<0.010	1.06	<5	870
83-05-03	--	--	--	--	--	3.0	21	--	<0.010	1.17	--	650
83-04-20	--	--	--	--	--	5.0	39	--	<0.010	<0.100	<5	50
83-02-28	--	--	--	--	--	0.5	27	<0.050	<0.010	1.33	<5	40
83-07-19	--	--	--	--	--	4.0	31	--	<0.010	<0.100	--	460
83-04-10	--	--	--	--	--	3.0	24	<0.050	<0.010	2.02	--	220

DATE OF SAMPLE	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	SELENIUM, TOTAL (UG/L AS SE)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
83-03-09	--	10	<2	<0.020
83-02-23	--	230	<2	<0.020
83-06-27	<1	190	--	<0.020
82-11-30	<1	<10	--	<0.020
83-02-24	--	<10	<2	<0.020
83-06-27	<1	10	--	<0.020
83-08-21	--	<10	--	<0.020
83-01-11	--	10	<2	<0.020
83-05-03	<1	<10	--	<0.020
83-04-20	--	<10	<2	<0.020
83-02-28	--	20	<2	<0.020
83-07-19	<1	30	--	<0.020
83-04-10	--	10	--	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CACO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)
405607073021301	S 51953	112GLCLU	82-12-16	316	120	--	--	45	--
		112GLCLU	83-03-09	316	110	--	--	72	--
404612073055001	S 52126	112GLCLU	82-10-03	156	131	--	--	32	--
		112GLCLU	83-04-06	156	118	--	--	24	--
		112GLCLU	83-08-09	156	122	--	--	--	--
405407073001103	S 52451	112GLCLU	83-02-15	183	134	--	--	66	--
405354073021202	S 52490	211MGTY	83-03-02	554	56	--	--	27	--
404905072565501	S 52944	112GLCLU	83-01-11	204	104	--	--	260	--
		112GLCLU	83-05-30	204	95	--	--	--	--
404905072565502	S 52945	112GLCLU	83-01-05	196	103	--	--	310	--
		112GLCLU	83-06-05	196	97	--	--	--	--
404756073025504	S 53074	112GLCLU	82-10-06	165	64	--	--	27	--
		112GLCLU	83-04-12	165	49	--	--	12	--
		112GLCLU	83-08-08	165	62	--	--	--	--

DATE OF SAMPLE	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
82-12-16	--	--	--	--	--	12	77	2.9	<0.010	<0.100	--	<30
83-03-09	--	--	--	--	--	8.0	69	2.6	<0.010	0.100	<5	<30
82-10-03	--	--	--	--	--	19	78	1.5	<0.010	<0.100	--	<30
83-04-06	--	--	--	--	--	19	71	1.1	<0.010	<0.100	<5	<30
83-08-09	--	--	--	--	--	19	76	--	0.010	<0.100	--	<30
83-02-15	--	--	--	--	--	11	73	1.5	<0.010	<0.100	<5	<30
83-03-02	--	--	--	--	--	3.0	38	<0.050	<0.010	<0.100	<5	<30
83-01-11	--	--	--	--	--	14	60	0.89	<0.100	<0.100	<5	<30
83-05-30	--	--	--	--	--	16	59	--	<0.010	<0.100	--	<30
83-01-05	--	--	--	--	--	17	61	0.78	<0.100	<0.100	<5	<30
83-06-05	--	--	--	--	--	19	66	--	<0.010	<0.100	--	<30
82-10-06	--	--	--	--	--	7.5	44	1.0	<0.010	<0.100	--	<30
83-04-12	--	--	--	--	--	2.0	37	<0.050	<0.010	1.15	5	250
83-08-08	--	--	--	--	--	8.5	48	--	<0.010	<0.100	--	<30

DATE OF SAMPLE	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	SELENIUM, TOTAL (UG/L AS SE)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
82-12-16	<1	<10	--	<0.020
83-03-09	--	10	<2	<0.020
82-10-03	<1	20	--	<0.020
83-04-06	--	10	<2	<0.020
83-08-09	<1	20	--	<0.020
83-02-15	--	<10	<2	<0.020
83-03-02	--	10	<2	<0.020
83-01-11	--	<10	<2	<0.020
83-05-30	<1	<10	--	<0.020
83-01-05	--	<10	<2	<0.020
83-06-05	<1	<10	--	<0.020
82-10-06	<1	20	--	<0.020
83-04-12	--	10	<2	<0.020
83-08-08	<1	30	--	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CACO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)
405002073022602	S 53291	112GLCLU	83-03-01	271	75	--	--	35	--
405032073162802	S 53360	211MGTY	82-10-25	668	62	--	--	21	--
		211MGTY	83-01-16	668	53	--	--	27	--
		211MGTY	83-05-16	668	48	--	--	--	--
405133073155901	S 53361	211MGTY	82-10-24	560	48	--	--	21	--
		211MGTY	83-01-08	560	55	--	--	20	--
		211MGTY	83-05-17	560	44	--	--	--	--
		211MGTY	83-08-25	560	42	--	--	--	--
404950073085001	S 53497	112GLCLU	83-03-17	173	108	--	--	26	--
		112GLCLU	83-07-26	173	114	--	--	--	--
404950073085002	S 53498	211MGTY	82-10-19	721	165	--	--	56	--
		211MGTY	83-03-27	721	118	--	--	40	--
		211MGTY	83-07-26	721	54	--	--	--	--

DATE OF SAMPLE	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
83-03-01	--	--	--	--	--	2.5	49	0.62	<0.010	0.100	<5	--
82-10-25	--	--	--	--	--	3.5	39	1.0	<0.010	<0.100	--	<30
83-01-16	--	--	--	--	--	3.0	38	1.1	<0.010	<0.100	<5	<30
83-05-16	--	--	--	--	--	5.0	42	--	<0.010	<0.100	--	<30
82-10-24	--	--	--	--	--	4.0	33	0.83	<0.010	<0.100	--	<30
83-01-08	--	--	--	--	--	1.5	34	0.78	<0.010	<0.100	<5	<30
83-05-17	--	--	--	--	--	3.0	30	--	<0.010	<0.100	--	<30
83-08-25	--	--	--	--	--	4.0	32	--	<0.010	<0.100	--	<30
83-03-17	--	--	--	--	--	16	70	2.1	<0.010	<0.100	<5	<30
83-07-26	--	--	--	--	--	18	76	--	<0.010	0.150	--	<30
82-10-19	--	--	--	--	--	11	91	1.8	<0.010	<0.100	--	320
83-03-27	--	--	--	--	--	13	75	1.3	<0.010	<0.100	<5	<30
83-07-26	--	--	--	--	--	8.5	40	--	<0.010	<0.100	--	<30

DATE OF SAMPLE	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	SELENIUM, TOTAL (UG/L AS SE)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
83-03-01	--	40	<2	<0.020
82-10-25	<1	<10	--	<0.020
83-01-16	--	<10	<2	<0.020
83-05-16	<1	10	--	<0.020
82-10-24	<1	<10	--	<0.020
83-01-08	--	<10	<2	<0.020
83-05-17	<1	<10	--	<0.020
83-08-25	--	<10	--	<0.020
83-03-17	--	70	<2	<0.020
83-07-26	<1	80	--	<0.020
82-10-19	<1	40	--	<0.020
83-03-27	--	20	<2	<0.020
83-07-26	<1	<10	--	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CACO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)
405230072430001	S 53522	112GLCLU	82-10-01	294	75	--	--	24	--
		112GLCLU	82-10-11	294	61	--	--	28	--
		112GLCLU	83-01-11	294	55	--	--	22	--
		112GLCLU	83-06-26	294	46	--	--	--	--
		112GLCLU	83-09-11	294	49	--	--	--	--
405124072353603	S 53593	112GLCLU	82-10-28	162	160	--	--	60	--
		112GLCLU	83-01-22	162	146	--	--	51	--
		112GLCLU	83-06-07	162	157	--	--	--	--
405140073191001	S 53747	211MGTY	82-10-21	454	89	--	--	22	--
		211MGTY	83-01-08	454	90	--	--	30	--
		211MGTY	83-08-25	454	89	--	--	--	--
404914073095603	S 53850	112GLCLU	83-03-17	188	134	--	--	58	--
405230072430002	S 53851	112GLCLU	83-01-11	239	60	--	--	18	--
		112GLCLU	83-09-11	239	60	--	--	--	--

DATE OF SAMPLE	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
82-10-01	--	--	--	--	--	7.5	48	0.14	<0.010	0.180	--	<30
82-10-11	--	--	--	--	--	5.5	38	0.13	<0.010	<0.100	--	60
83-01-11	--	--	--	--	--	5.5	37	0.19	<0.010	<0.100	<5	<30
83-06-26	--	--	--	--	--	6.5	38	--	<0.010	<0.100	--	<30
83-09-11	--	--	--	--	--	4.5	30	--	<0.010	<0.100	--	<30
82-10-28	--	--	--	--	--	10	93	3.6	<0.010	1.35	--	<30
83-01-22	--	--	--	--	--	9.0	92	3.9	<0.010	<0.100	<5	<30
83-06-07	--	--	--	--	--	13	95	--	<0.010	<0.100	--	<30
82-10-21	--	--	--	--	--	9.5	56	3.4	<0.010	<0.100	--	340
83-01-08	--	--	--	--	--	7.5	58	3.6	<0.010	<0.100	<5	<30
83-08-25	--	--	--	--	--	12	66	--	<0.010	<0.100	--	<30
83-03-17	--	--	--	--	--	9.0	79	0.98	<0.010	<0.100	<5	<30
83-01-11	--	--	--	--	--	5.5	37	0.13	<0.010	<0.100	<5	<30
83-09-11	--	--	--	--	--	4.5	32	--	<0.010	<0.100	--	100

DATE OF SAMPLE	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	SELENIUM, TOTAL (UG/L AS SE)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
82-10-01	--	<20	--	<0.020
82-10-11	<1	10	--	<0.020
83-01-11	--	<10	<2	<0.020
83-06-26	<1	<10	--	<0.020
83-09-11	--	20	--	--
82-10-28	<1	<20	--	<0.020
83-01-22	--	<10	<2	<0.020
83-06-07	<1	10	--	<0.020
82-10-21	<1	<20	--	<0.020
83-01-08	--	10	<2	<0.020
83-08-25	--	<10	--	<0.020
83-03-17	--	<10	<2	<0.020
83-01-11	--	<10	<2	<0.020
83-09-11	--	30	--	--

WATER GUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TUR-BID-ITY (NTU)	HARD-NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)
405359073182801	S 54162	112GLCLU	83-03-08	544	190	--	--	78	--
		112GLCLU	83-07-20	544	193	--	--	--	--
404759073122501	S 54308	211MGTY	82-10-26	794	34	--	--	15	--
		211MGTY	83-01-16	794	29	--	--	14	--
405030073032103	S 54473	112GLCLU	83-03-08	312	102	--	--	61	--
404210073250202	S 54568	211MGTY	83-01-03	423	62	--	--	17	--
		211MGTY	83-08-17	423	66	--	--	--	--
404722073030501	S 54730	211MGTY	82-10-07	259	54	--	--	18	--
		211MGTY	83-04-11	259	56	--	--	24	--
405332072242001	S 55028	112GLCLU	83-01-21	161	230	--	--	91	--
405410073010502	S 55502	112GLCLU	83-03-07	595	54	--	--	40	--

DATE OF SAMPLE	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 LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)
83-03-08	--	--	--	--	--	12	114	6.7	<0.010	<0.100	9	<30
83-07-20	--	--	--	--	--	19	129	--	0.010	0.130	--	<30
82-10-26	--	--	--	--	--	4.5	26	<0.050	<0.010	<0.100	--	<30
83-01-16	--	--	--	--	--	1.5	23	<0.050	<0.010	<0.100	<5	<30
83-03-08	--	--	--	--	--	4.0	59	1.0	<0.010	5.45	<5	130
83-01-03	--	--	--	--	--	11	39	<0.050	<0.010	0.620	<5	670
83-08-17	--	--	--	--	--	14	39	--	<0.010	0.210	--	580
82-10-07	--	--	--	--	--	5.0	37	0.10	<0.010	<0.100	--	200
83-04-11	--	--	--	--	--	8.0	40	<0.050	<0.010	<0.100	<5	240
83-01-21	--	--	--	--	--	25	158	5.8	<0.010	<0.100	<5	<30
83-03-07	--	--	--	--	--	0.5	35	0.050	<0.010	<0.100	<5	40

DATE OF SAMPLE	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	SELE-NIUM, TOTAL (UG/L AS SE)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
83-03-08	--	<10	<2	<0.020
83-07-20	<1	20	--	<0.020
82-10-26	<1	20	--	<0.020
83-01-16	--	10	<2	<0.020
83-03-08	--	30	<2	<0.020
83-01-03	--	20	<2	<0.020
83-08-17	--	20	--	<0.020
82-10-07	<1	20	--	<0.020
83-04-11	--	<10	<2	<0.020
83-01-21	--	<10	<2	<0.020
83-03-07	--	10	<2	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CACO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)
404326073174101	S 55733	211MGTY	82-11-15	233	94	--	--	27	--
		211MGTY	83-02-16	233	91	--	--	35	--
		211MGTY	83-06-22	233	87	--	--	--	--
405014072492501	S 56038	112GLCLU	82-10-15	155	122	--	--	44	--
		112GLCLU	83-01-05	155	170	--	--	67	--
		112GLCLU	83-06-05	155	118	--	--	--	--
405014072492502	S 56039	112GLCLU	82-11-16	160	136	--	--	52	--
		112GLCLU	83-01-11	160	133	--	--	53	--
405434073194202	S 56133	112GLCLU	83-03-09	333	134	--	--	46	--
		112GLCLU	83-07-20	333	150	--	--	--	--
404950073001501	S 56674	112GLCLU	82-10-31	180	122	--	--	50	--
		112GLCLU	83-01-13	180	104	--	--	39	--
		112GLCLU	83-09-06	180	98	--	--	--	--
404658073164201	S 57008	211MGTY	83-01-30	704	110	--	--	37	--

DATE OF SAMPLE	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
82-11-15	--	--	--	--	--	12	59	<0.050	<0.010	1.60	--	380
83-02-16	--	--	--	--	--	7.0	53	<0.050	<0.010	0.280	<5	1000
83-06-22	--	--	--	--	--	14	64	--	<0.010	0.640	--	1000
82-10-15	--	--	--	--	--	7.0	74	2.3	<0.010	<0.100	--	<30
83-01-05	--	--	--	--	--	8.5	105	2.6	<0.010	<0.100	<5	70
83-06-05	--	--	--	--	--	9.5	84	--	<0.010	<0.100	--	<30
82-11-16	--	--	--	--	--	6.5	78	2.5	<0.010	<0.100	--	90
83-01-11	--	--	--	--	--	7.5	80	2.6	<0.010	<0.100	<5	80
83-03-09	--	--	--	--	--	10	85	3.8	<0.010	<0.100	<5	<30
83-07-20	--	--	--	--	--	13	98	--	0.010	<0.100	--	<30
82-10-31	--	--	--	--	--	5.0	71	2.1	<0.010	<0.100	--	<30
83-01-13	--	--	--	--	--	5.5	64	2.6	<0.010	<0.100	<5	<30
83-09-06	--	--	--	--	--	8.0	54	--	<0.010	<0.100	--	<30
83-01-30	--	--	--	--	--	8.5	71	1.8	<0.010	<0.100	<5	30

DATE OF SAMPLE	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	SELENIUM, TOTAL (UG/L AS SE)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
82-11-15	<1	60	--	<0.020
83-02-16	--	60	<2	<0.020
83-06-22	<1	50	--	<0.020
82-10-15	<1	<20	--	<0.020
83-01-05	--	<10	<2	<0.020
83-06-05	<1	<10	--	<0.020
82-11-16	<1	10	--	<0.020
83-01-11	--	<10	<2	<0.020
83-03-09	--	<10	<2	<0.020
83-07-20	<1	20	--	<0.020
82-10-31	<1	<20	--	<0.020
83-01-13	--	<10	<2	<0.020
83-09-06	--	30	--	--
83-01-30	--	<10	<2	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CACO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)
405126073273803	S 57354	112GLCLU	82-11-04	257	43	--	--	1	--
		112GLCLU	83-05-08	257	53	--	--	--	--
410249072554501	S 57357	112GLCLU	82-11-29	89	130	--	--	30	--
		112GLCLU	83-02-28	89	124	--	--	28	--
		112GLCLU	83-06-28	89	260	--	--	--	--

DATE OF SAMPLE	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
82-11-04	--	--	--	--	--	4.0	32	1.2	<1	<0.100	--	<30
83-05-08	--	--	--	--	--	6.3	43	--	<0.010	<0.100	--	40
82-11-29	--	--	--	--	--	23	70	0.15	<0.010	<0.100	--	450
83-02-28	--	--	--	--	--	24	72	<0.050	<0.010	<0.100	<5	180
83-06-28	--	--	--	--	--	67	157	--	<0.010	<0.100	--	<30

DATE OF SAMPLE	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	SELENIUM, TOTAL (UG/L AS SE)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
82-11-04	<1	<10	--	<0.020
83-05-08	--	<10	--	<0.020
82-11-29	<1	20	--	<0.020
83-02-28	--	<10	<2	<0.020
83-06-28	<1	<10	--	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

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 LAB (UMHOS)	PH LAB (STANDARD UNITS)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
404703073264205	S 29778	211MGTY	82-12-17	168	134	6.9	54	6.5	5.3
		211MGTY	83-03-14	168	137	6.6	44	7.4	5.4
		211MGTY	83-06-13	168	134	6.8	--	7.3	5.6
		211MGTY	83-09-14	168	146	6.2	--	7.0	5.4
404920072484602	S 46913	112GLCLU	82-12-17	19	34	7.1	23	2.8	0.6
		112GLCLU	83-03-14	19	29	6.8	12	2.6	0.5
		112GLCLU	83-06-13	19	47	6.9	--	4.8	0.95
		112GLCLU	83-09-14	19	125	6.6	--	7.0	1.4
404917072484501	S 46914	112GLCLU	82-12-17	33	102	6.9	24	3.9	0.98
		112GLCLU	83-03-14	33	42	6.6	15	2.4	0.7
		112GLCLU	83-06-13	33	20	6.6	--	1.1	0.3
		112GLCLU	83-09-14	33	30	6.2	--	1.8	0.4
405240072491402	S 47226	112GLCLU	82-12-17	27	52	6.6	30	5.0	0.8
		112GLCLU	83-03-14	27	51	6.8	22	5.1	0.8
		112GLCLU	83-06-13	27	47	6.7	--	4.9	0.8
		112GLCLU	83-09-14	27	47	6.2	--	4.8	0.8

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, 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)	PHOSPHATE, TOTAL (MG/L AS PO4)
82-12-17	7.4	1.6	17	15	12	<0.10	90	<0.010	<0.010	<0.010	<0.010	<0.10
83-03-14	7.0	1.7	17	15	16	<0.10	67	<0.010	<0.010	<0.010	<0.010	<0.10
83-06-13	7.4	1.7	10	14	19	<0.10	80	<0.010	<0.010	<0.010	<0.010	<0.10
83-09-14	8.3	1.8	15	9.4	21	<0.10	78	<0.010	<0.010	<0.010	<0.010	<0.10
82-12-17	2.4	1.2	16	1.2	<0.1	<0.10	18	<0.010	<0.010	<0.010	<0.010	<0.10
83-03-14	2.4	0.7	14	1.7	1.0	<0.10	--	<0.010	<0.010	<0.010	<0.010	<0.10
83-06-13	2.4	1.6	23	2.4	1.0	<0.10	35	<0.010	<0.010	<0.010	<0.010	<0.10
83-09-14	15	3.1	25	8.1	21	<0.10	68	<0.010	<0.010	<0.010	<0.010	<0.10
82-12-17	12	1.2	13	1.3	19	<0.10	48	<0.010	<0.010	<0.010	<0.010	<0.10
83-03-14	4.2	0.8	11	1.6	6.0	<0.10	--	<0.010	<0.010	<0.010	<0.010	<0.10
83-06-13	2.3	0.5	7.0	2.9	2.0	<0.10	23	<0.010	<0.010	<0.010	<0.010	<0.10
83-09-14	3.3	0.9	8.0	1.3	5.0	<0.10	24	<0.010	<0.010	<0.010	<0.010	<0.10
82-12-17	4.0	0.4	22	1.1	4.0	<0.10	51	0.030	<0.010	<0.010	<0.010	<0.10
83-03-14	3.8	0.4	21	1.4	5.5	<0.10	38	<0.010	<0.010	<0.010	<0.010	0.19
83-06-13	3.5	0.4	17	2.0	4.5	<0.10	49	<0.010	<0.010	<0.010	<0.010	0.17
83-09-14	3.6	0.4	18	2.4	6.0	<0.10	28	<0.010	<0.010	<0.010	<0.010	0.23

DATE OF SAMPLE	PHOSPHATE, ORTHO, DISSOLVED (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)
82-12-17	<0.10	640	140	20	30	<0.020
83-03-14	<0.10	1100	640	<10	<10	<0.020
83-06-13	--	2300	160	20	20	<0.020
83-09-14	--	1000	170	10	10	<0.020
82-12-17	<0.10	230	170	10	10	<0.020
83-03-14	<0.10	460	120	<10	<10	<0.020
83-06-13	--	90	40	<10	<10	<0.020
83-09-14	--	160	120	140	130	<0.020
82-12-17	<0.10	320	140	10	20	<0.020
83-03-14	<0.10	360	<30	40	40	<0.020
83-06-13	--	60	<30	<10	<10	<0.020
83-09-14	--	30	40	<10	<10	<0.020
82-12-17	<0.10	7300	7300	150	150	<0.020
83-03-14	0.23	7300	7300	130	140	<0.020
83-06-13	--	6700	6200	130	120	<0.020
83-09-14	--	6200	6100	130	130	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983

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 LAB (UMHOS)	PH LAB (STANDARD UNITS)	HARDNESS (MG/L AS CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
405240072491401	S 47227	112GLCLU	82-12-17	100	94	7.0	53	12	2.4
		112GLCLU	83-03-14	100	101	7.2	42	13	2.6
		112GLCLU	83-06-13	100	102	7.4	--	13	2.7
		112GLCLU	83-09-14	100	98	7.0	--	13	2.7
405121072490601	S 48946	112GLCLU	82-12-17	41	240	6.2	100	22	7.4
		112GLCLU	83-03-14	41	184	6.8	68	18	5.5
		112GLCLU	83-06-13	41	235	6.5	--	23	7.0
		112GLCLU	83-09-14	41	233	6.4	--	22	7.3
405500072495201	S 51583	112GLCLU	82-12-17	49	54	6.5	24	1.7	1.2
		112GLCLU	83-03-14	49	49	6.5	17	1.9	1.2
		112GLCLU	83-06-13	49	48	6.5	--	1.7	1.2
		112GLCLU	83-09-14	49	44	6.1	--	1.4	1.1
405349072494101	S 51592	112GLCLU	82-12-17	39	118	6.5	24	2.9	1.1
		112GLCLU	83-03-14	39	85	6.4	13	2.7	0.8
		112GLCLU	83-06-13	39	102	6.2	--	2.7	0.96
		112GLCLU	83-09-14	39	77	5.8	--	2.2	0.8

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, 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)	PHOSPHATE, TOTAL (MG/L AS PO4)
82-12-17	4.5	0.3	43	5.1	3.0	<0.10	60	0.050	<0.010	<0.010	<0.010	0.32
83-03-14	4.4	0.4	47	2.4	5.0	<0.10	48	<0.010	<0.010	<0.010	<0.010	0.41
83-06-13	4.5	0.4	48	1.9	5.0	<0.10	77	<0.010	<0.010	<0.010	<0.010	0.51
83-09-14	4.3	0.5	46	1.8	5.0	<0.10	38	<0.010	<0.010	<0.010	<0.010	0.58
82-12-17	10	4.9	14	40	17	<0.10	161	<0.010	<0.010	<0.010	<0.010	<0.10
83-03-14	6.1	3.3	14	35	13	<0.10	112	<0.010	<0.010	<0.010	<0.010	0.17
83-06-13	9.4	4.8	15	37	22	<0.10	154	<0.010	<0.010	<0.010	<0.010	<0.10
83-09-14	9.3	5.3	18	37	23	<0.10	149	<0.010	<0.010	<0.010	<0.010	<0.10
82-12-17	5.5	1.1	10	7.1	4.0	<0.10	69	<0.010	<0.010	<0.010	<0.010	<0.10
83-03-14	4.9	1.0	8.0	6.9	6.0	<0.10	15	<0.010	<0.010	<0.010	<0.010	<0.10
83-06-13	4.8	1.1	8.0	7.3	7.5	<0.10	37	<0.010	<0.010	<0.010	<0.010	<0.10
83-09-14	4.6	1.0	8.0	1.4	5.5	<0.10	26	<0.010	<0.010	<0.010	<0.010	<0.10
82-12-17	19	0.9	9.0	13	25	<0.10	26	<0.010	<0.010	<0.010	<0.010	<0.10
83-03-14	13	0.9	8.0	15	13	<0.10	--	<0.010	<0.010	<0.010	<0.010	<0.10
83-06-13	15	0.8	8.0	10	22	<0.10	71	<0.010	<0.010	<0.010	<0.010	<0.10
83-09-14	11	0.7	6.0	0.8	15	<0.10	42	<0.010	<0.010	<0.010	<0.010	<0.10

DATE OF SAMPLE	PHOSPHATE, ORTHO, DISSOLVED (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)
82-12-17	0.33	720	710	280	270	<0.020
83-03-14	0.42	2400	760	300	290	<0.020
83-06-13	--	1100	660	300	270	<0.020
83-09-14	--	780	660	290	290	<0.020
82-12-17	<0.10	400	240	70	80	<0.020
83-03-14	0.11	600	60	130	120	<0.020
83-06-13	--	1400	1300	240	290	<0.020
83-09-14	--	770	640	150	140	<0.020
82-12-17	<0.10	470	210	40	40	<0.020
83-03-14	<0.10	720	150	40	30	<0.020
83-06-13	--	1800	60	<10	<10	<0.020
83-09-14	--	670	120	20	20	<0.020
82-12-17	<0.10	280	230	20	30	<0.020
83-03-14	<0.10	1100	30	20	20	<0.020
83-06-13	--	700	340	<10	20	<0.020
83-09-14	--	410	210	20	20	<0.020

Geological unit (aquifer):
  112GLCLU - Upper Glacial Aquifer, Pleistocene age.
  112GRDR - Gardiners Clay, Pleistocene age.
  112JMCO - Jameco Gravel, Pleistocene age.
  112PGFG - Port Washington Confining Unit, Pleistocene age.
  112PGGF - Port Washington Aquifer, Pleistocene age.
  211LLYD - Lliyod Aquifer, Cretaceous age.
  211MGTY - Magothy Aquifer, Cretaceous age.
  211RNCF - Raritan Confining Unit, Cretaceous age.

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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

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