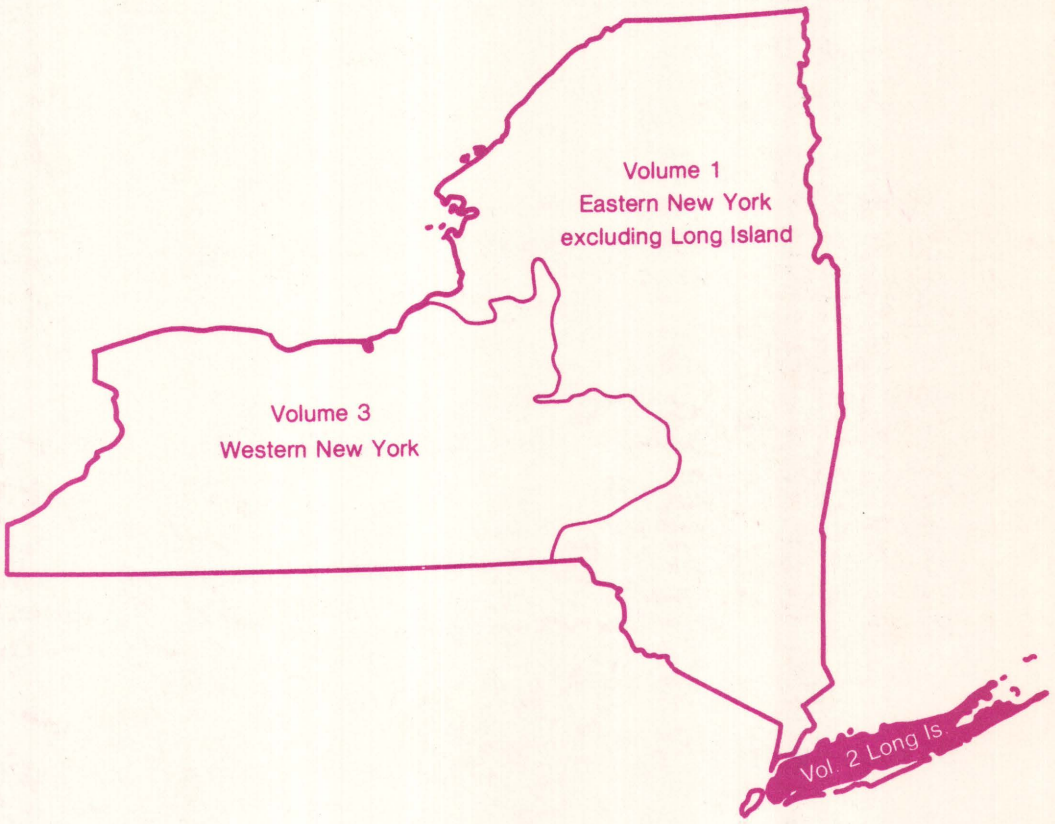
Water Resources Data New York Water Year 1984

Volume 2. Long Island



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT NY-84-2
Prepared in cooperation with the State of New York
and with other agencies

Water Resources Data New York Water Year 1984

Volume 2. Long Island

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

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UNITED STATES DEPARTMENT OF THE INTERIOR

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GEOLOGICAL SURVEY

Dallas L. Peck, Director

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Syosset, New York 11791

1985

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:

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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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Water resources data for the 1984 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; 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, 884 wells; and water levels at 139 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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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, 1984
Volume 2.--Long Island

INTRODUCTION

Water resources data for the 1984 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, 884 wells; and water levels at 139 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-84-2". 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, Henry G. Williams, 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 1984 water year, streamflow and ground-water levels were average. Significantly above-average precipitation from March through July resulted in above-average streamflow and ground-water levels that continued into September (figs. 2-5).

The maximum discharges of the 1984 water year occurred mainly from March through July; heavy localized precipitation on June 30 caused Valley Stream and Pines Brook to reach new maximum discharges. Streamflow on Long Island was above average throughout the water year. Maximum monthly mean discharges at most stations occurred in July; minimum monthly mean discharges occurred in October at the beginning of the water year, although some streams in southeastern Nassau County returned to average conditions in September.

Ground-water levels in most wells screened in the water-table aquifer started to rise in December and reached their peaks in July or August, then declined slowly. A few wells in mid-Nassau and mid-Suffolk Counties had record high water levels from July through September, and some North and South Fork wells had record highs in June. Ground-water levels in most wells screened in the Lloyd and Magothy aquifers rose above the previous year's levels.

The concentrations of inorganic constituents in surface and ground water during the 1984 water year did not change significantly from the previous year. Concentrations of dissolved constituents in ground water were greatest in the upper glacial aquifer, where specific conductance values had a maximum value of 1,000 µmho/cm and averaged 160 µmho/cm. However, significant concentrations have also been detected in the upper part of the Magothy aquifer, where specific conductance had a maximum value of 580 µmho/cm and averaged 88 µmho/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.

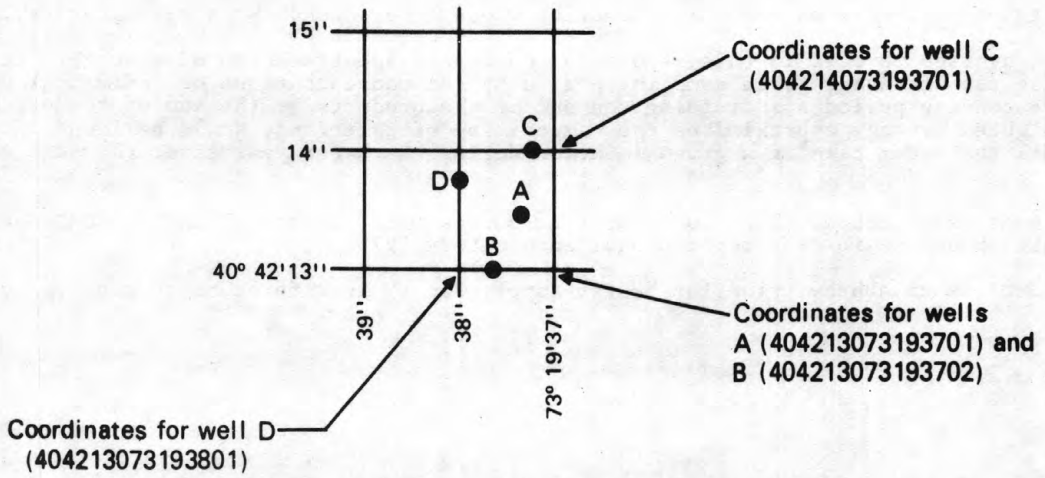


Figure 1. System for numbering wells (latitude and longitude).

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.

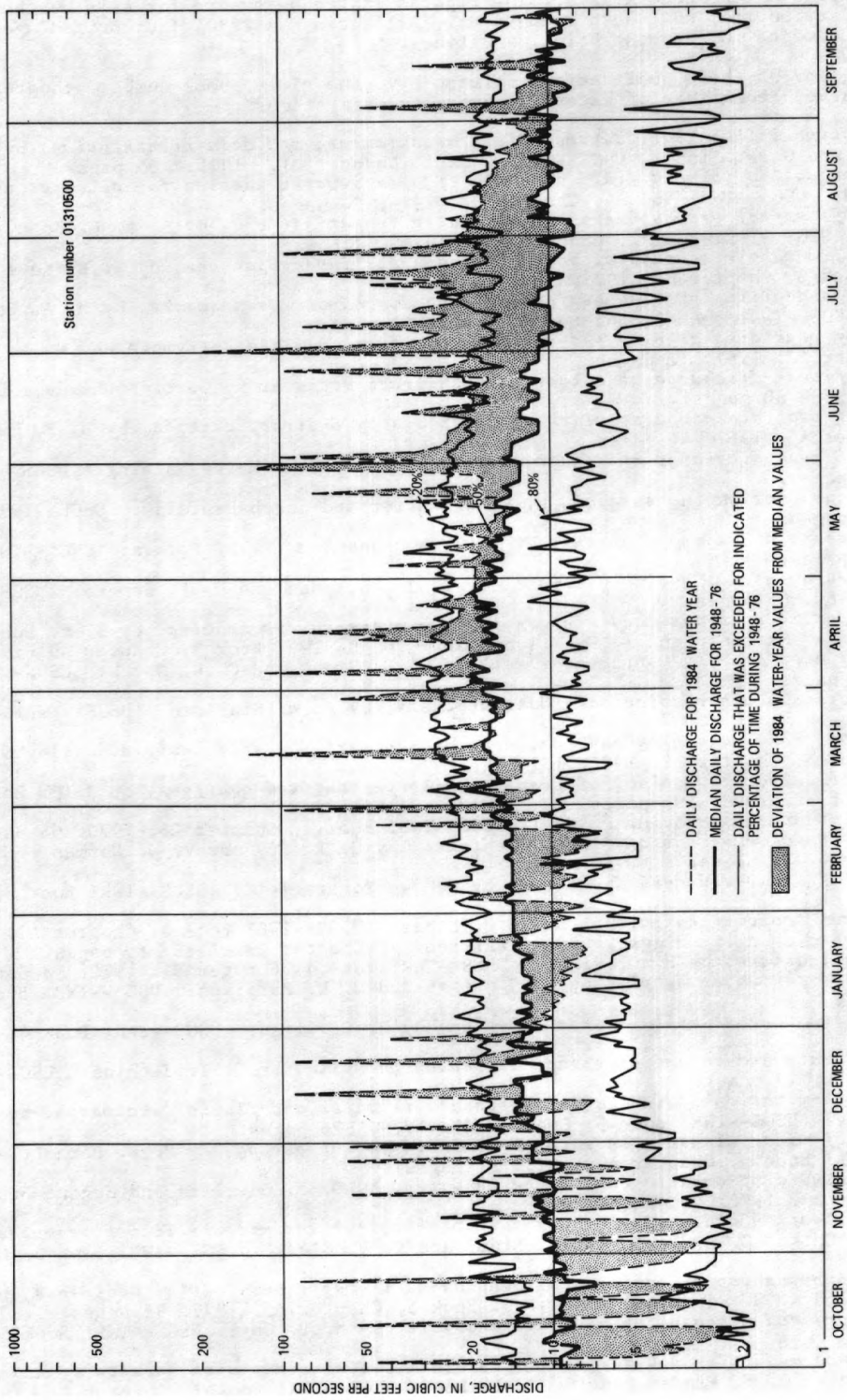


Figure 2.--Hydrographic Comparisons, East Meadow Brook at Freeport.

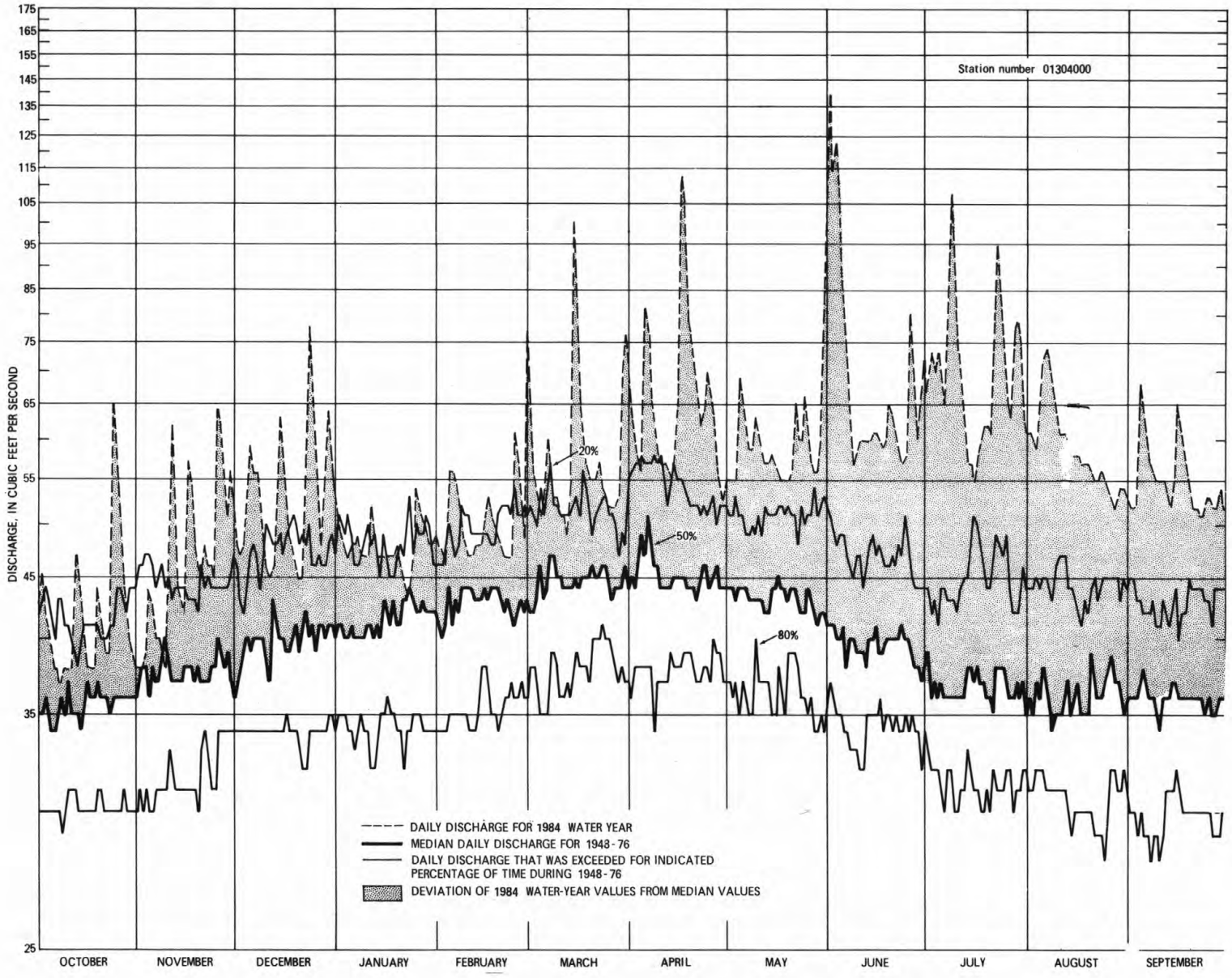


Figure 3.--Hydrographic Comparisons, Nissequogue River near Smithtown.

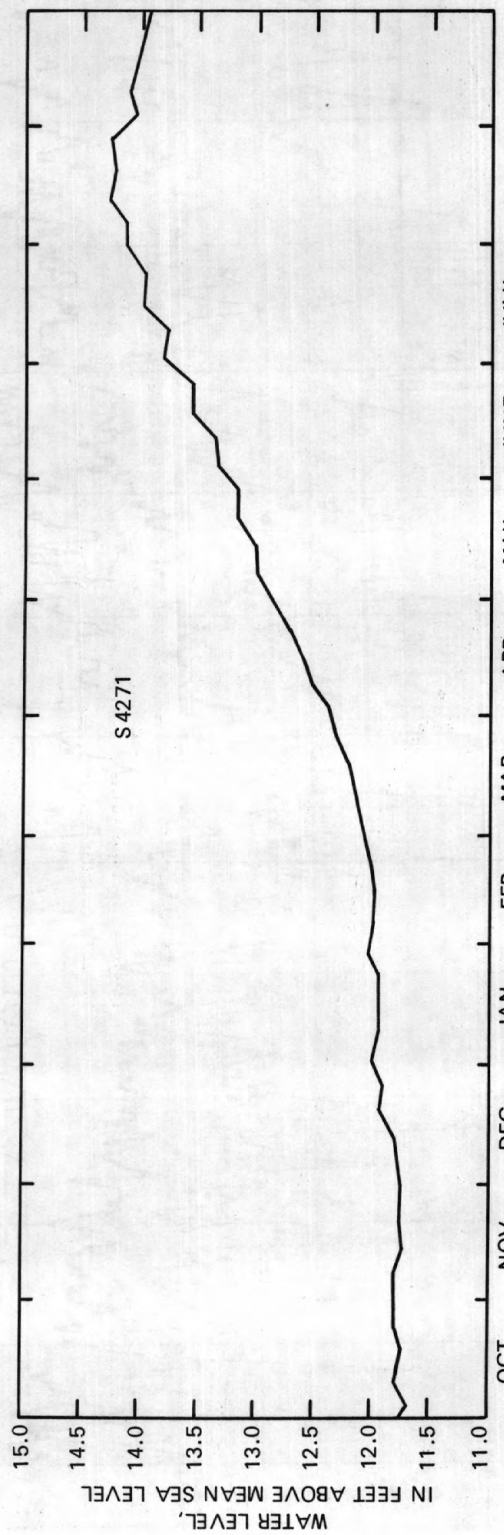


Figure 4.--Hydrograph of water-table well S4271 at Riverhead.

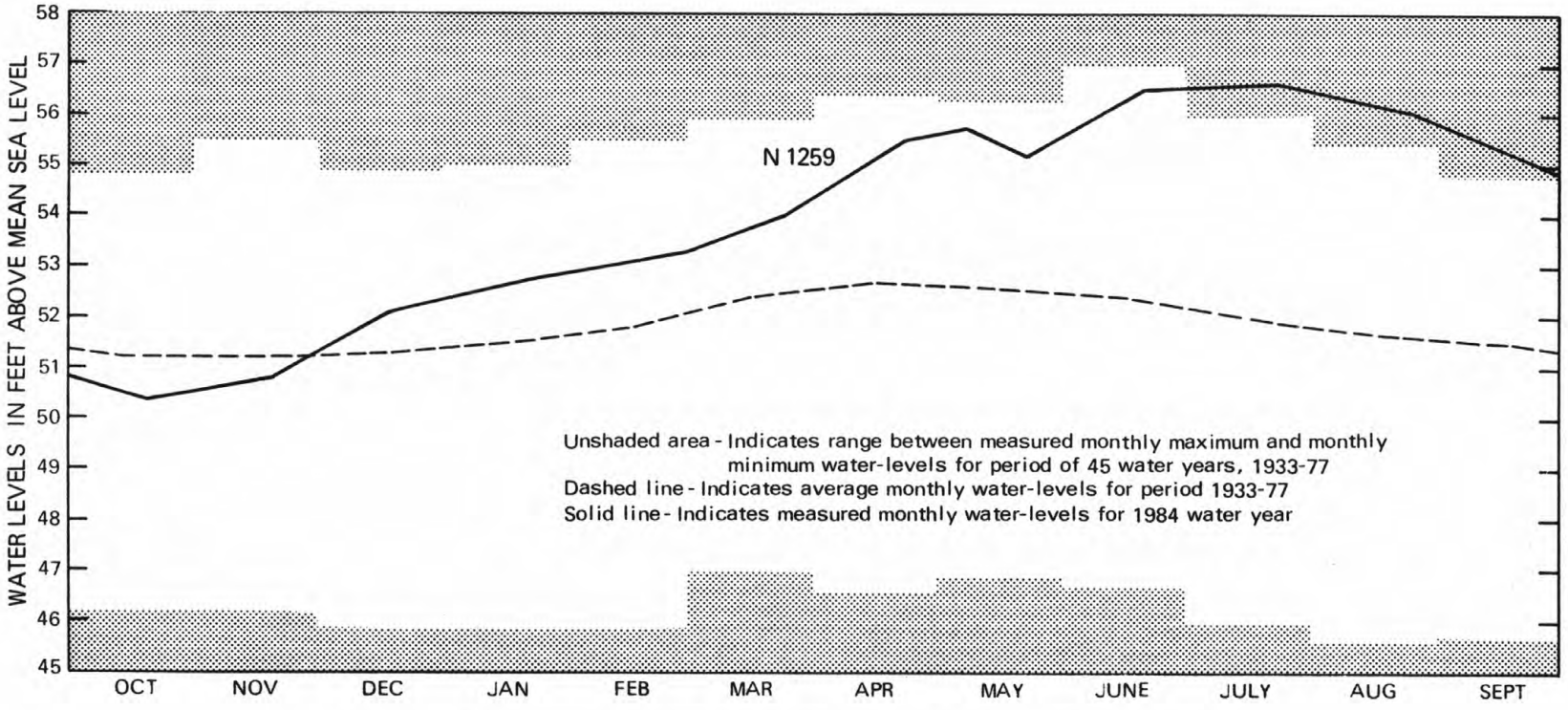


Figure 5.--Hydrograph of water-table observation well N1259 at Plainedge.

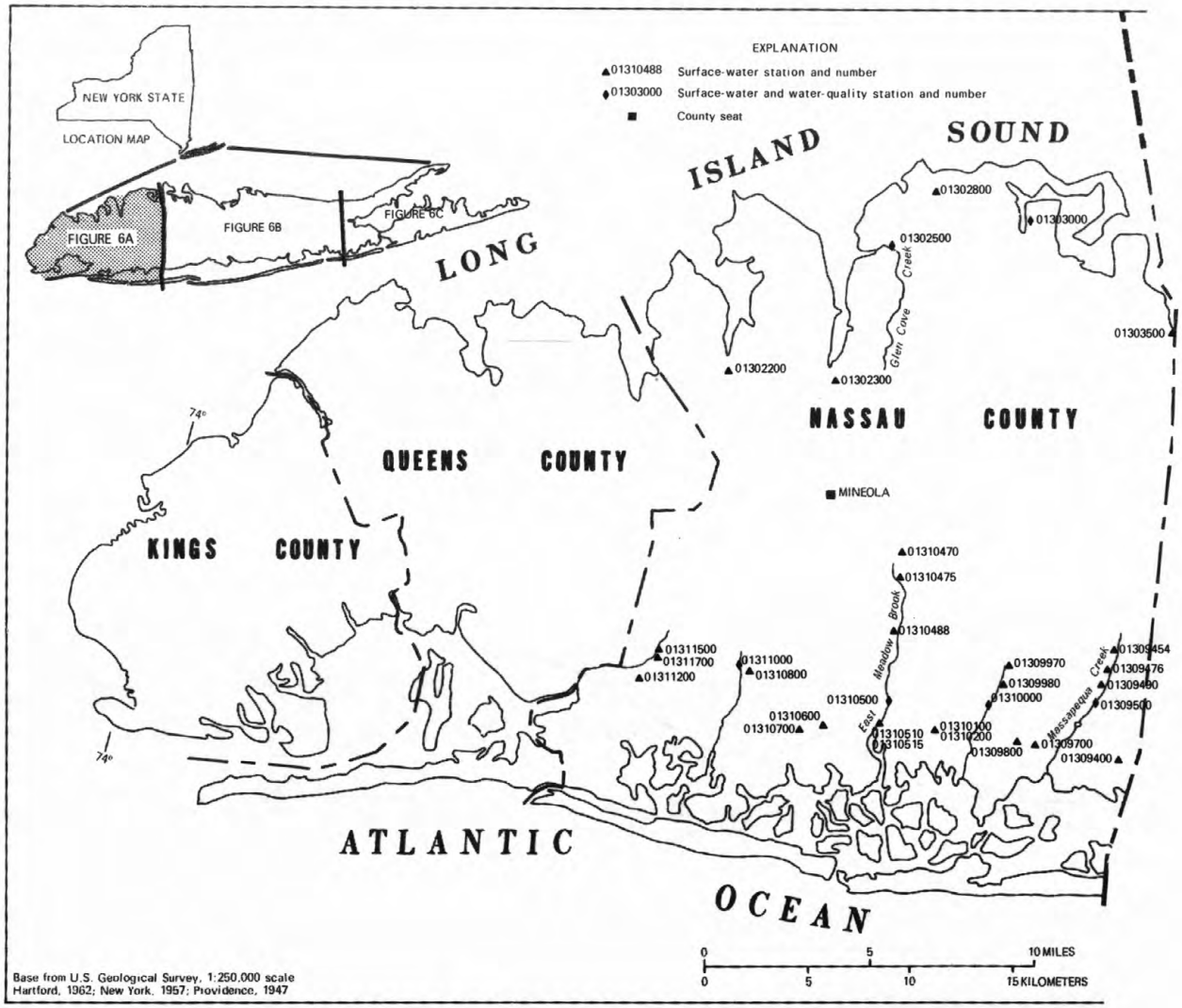


FIGURE 6A.-- LOCATION OF SURFACE-WATER DATA COLLECTION STATIONS

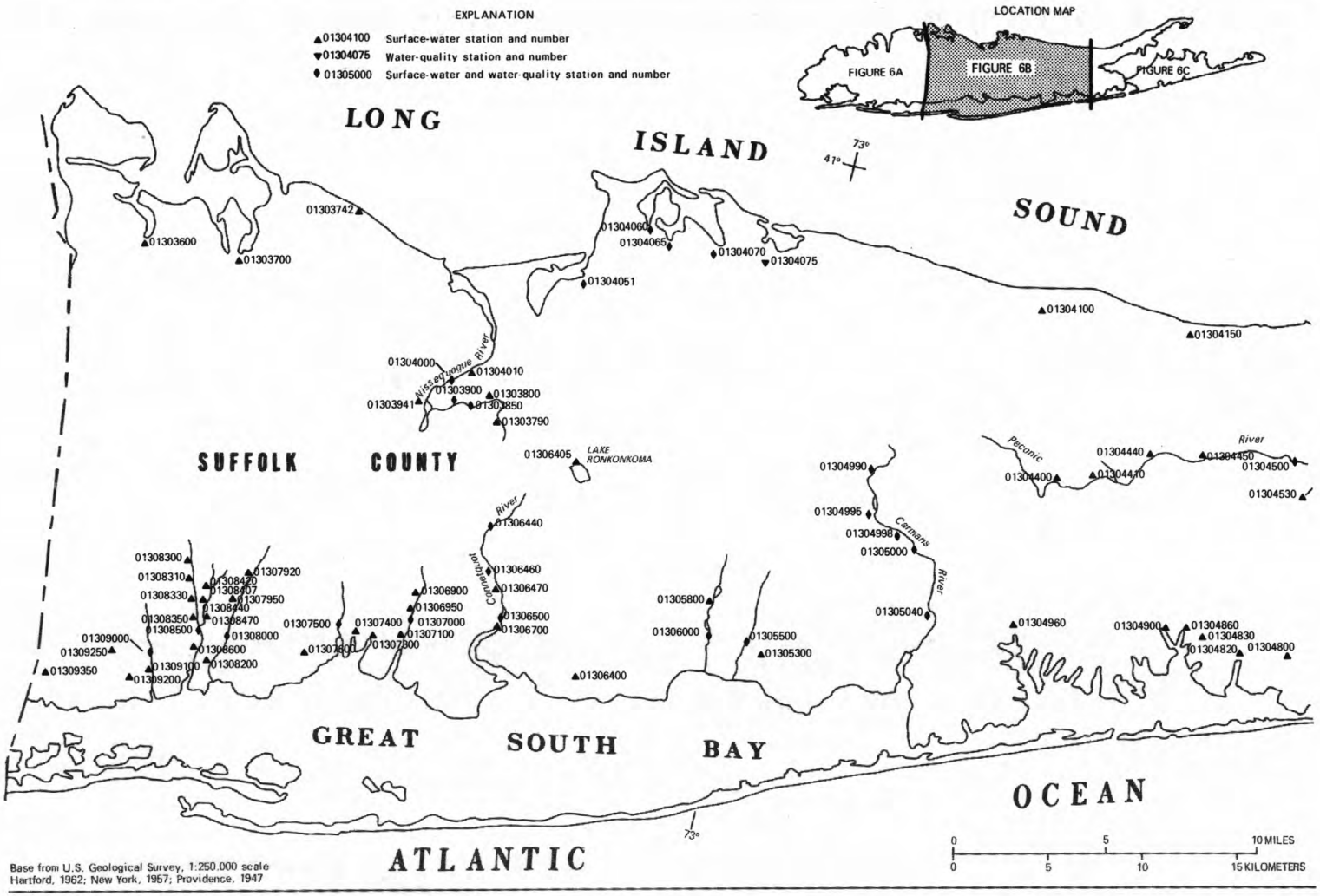


FIGURE 6B.-- LOCATION OF SURFACE-WATER DATA COLLECTION STATIONS

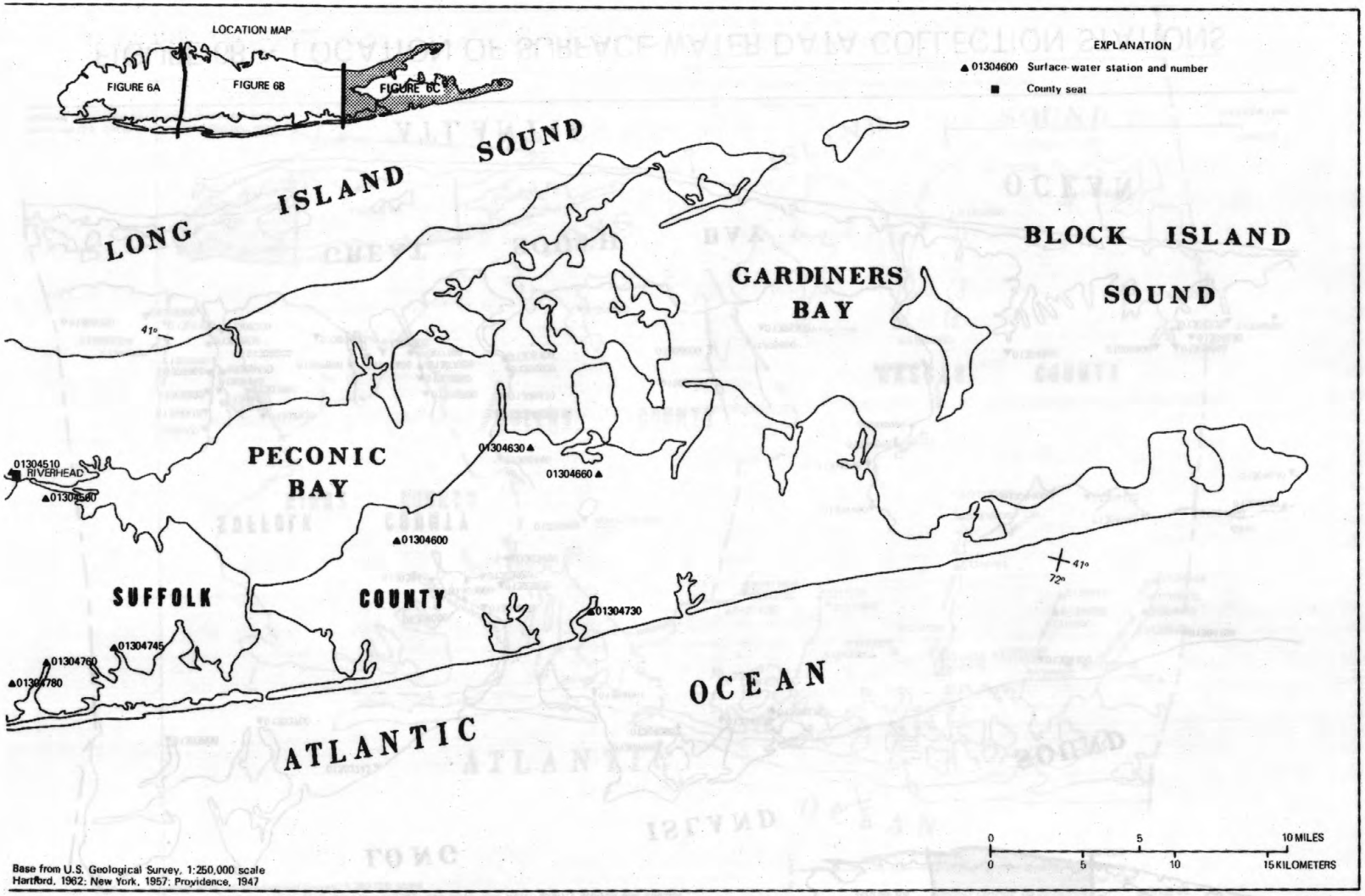


FIGURE 6C.-- LOCATION OF SURFACE-WATER DATA COLLECTION STATIONS

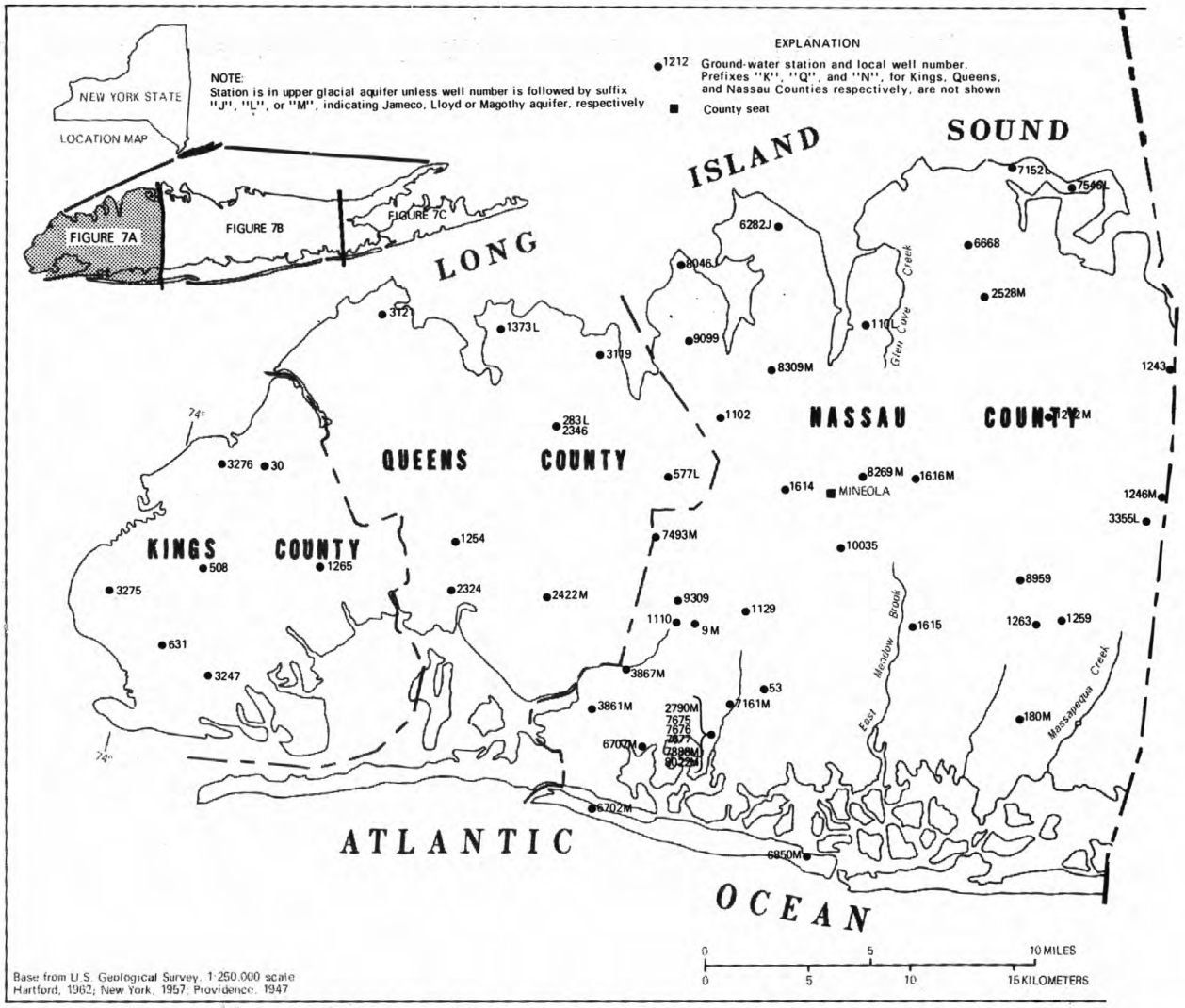


FIGURE 7A.-- LOCATION OF WATER-LEVEL DATA COLLECTION STATIONS

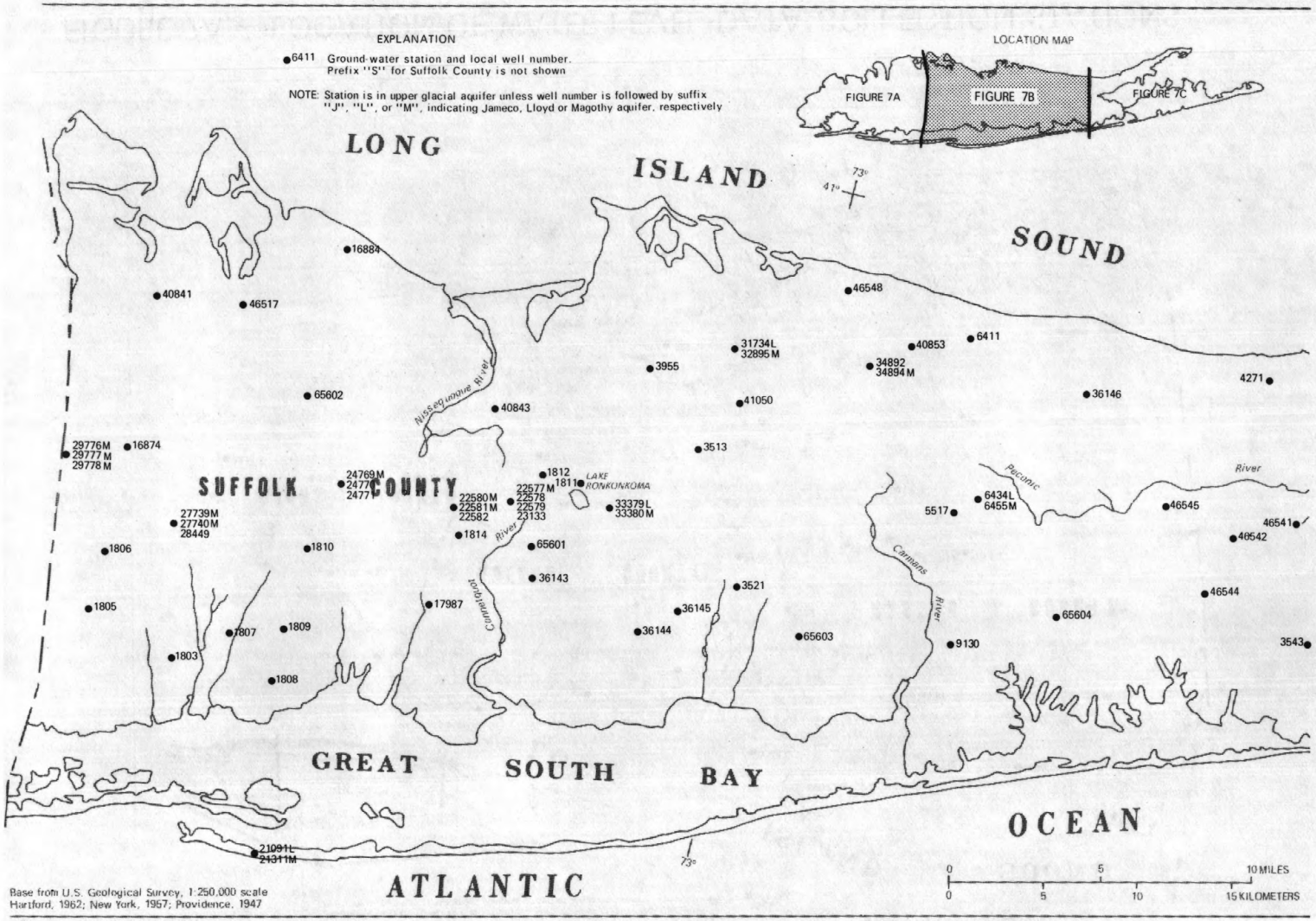


FIGURE 7B.-- LOCATION OF WATER-LEVEL DATA COLLECTION STATIONS

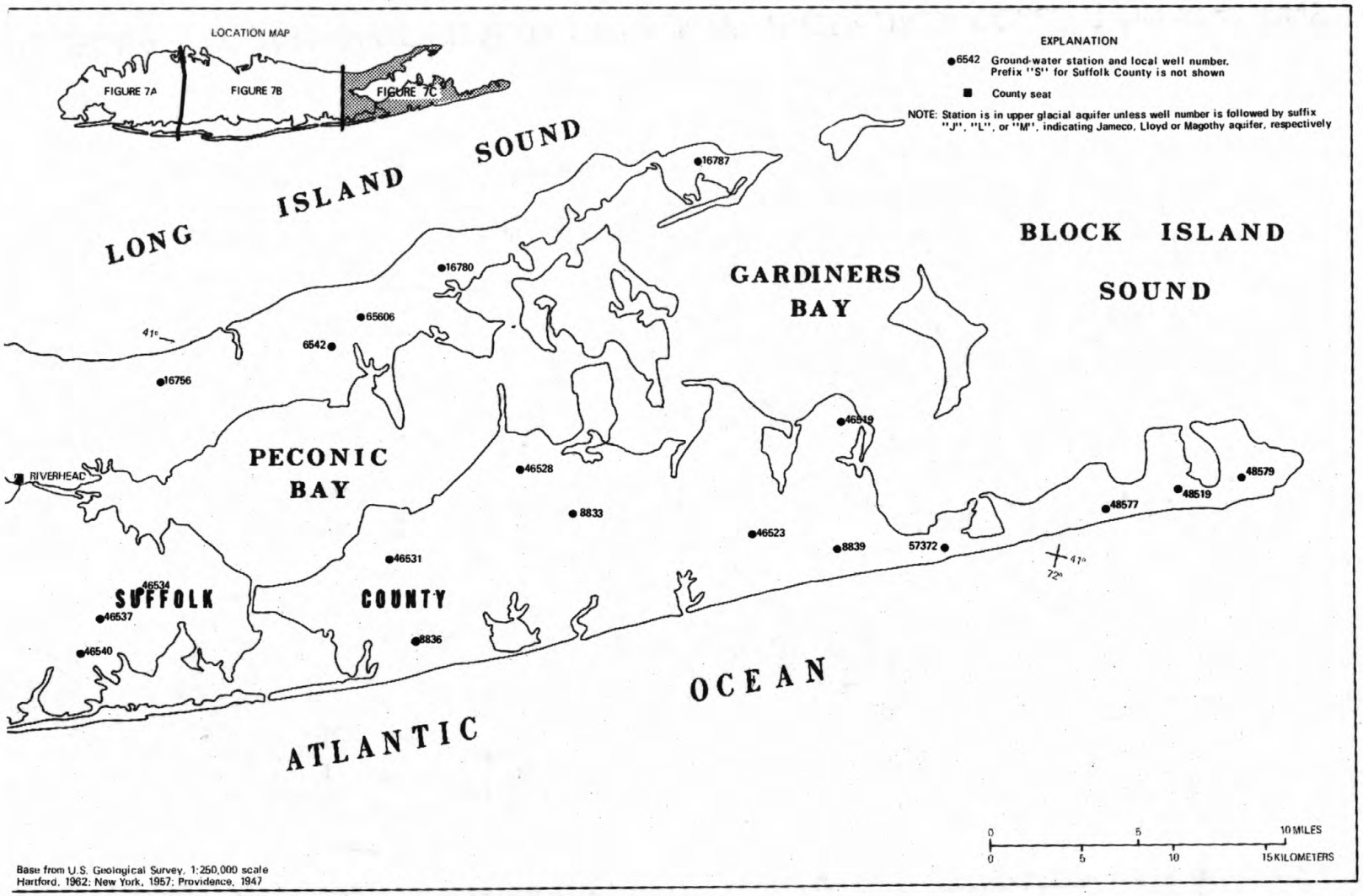


FIGURE 7C.-- LOCATION OF WATER-LEVEL DATA COLLECTION STATIONS

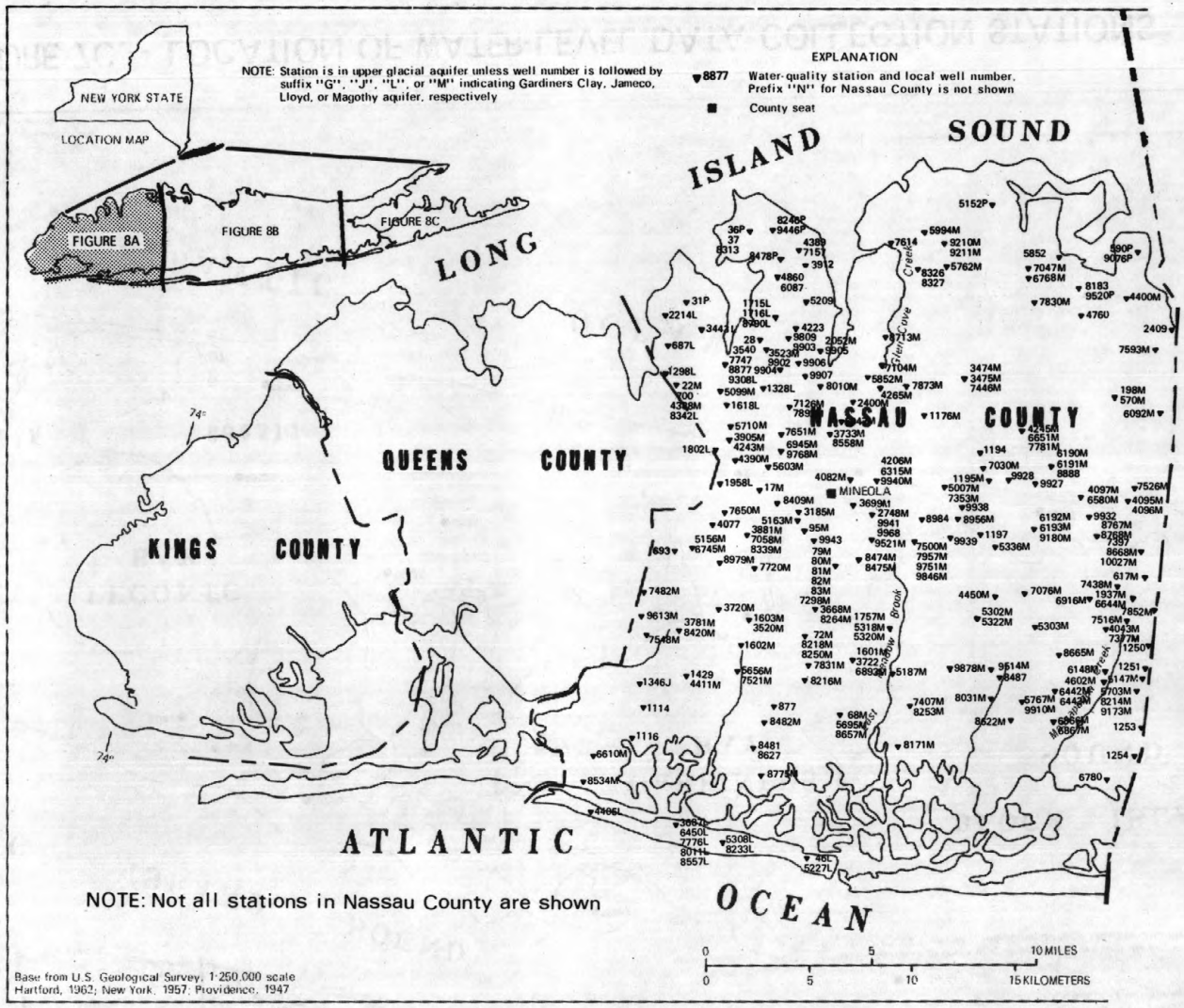


FIGURE 8A.-- LOCATION OF QUALITY OF GROUND-WATER DATA COLLECTION STATIONS

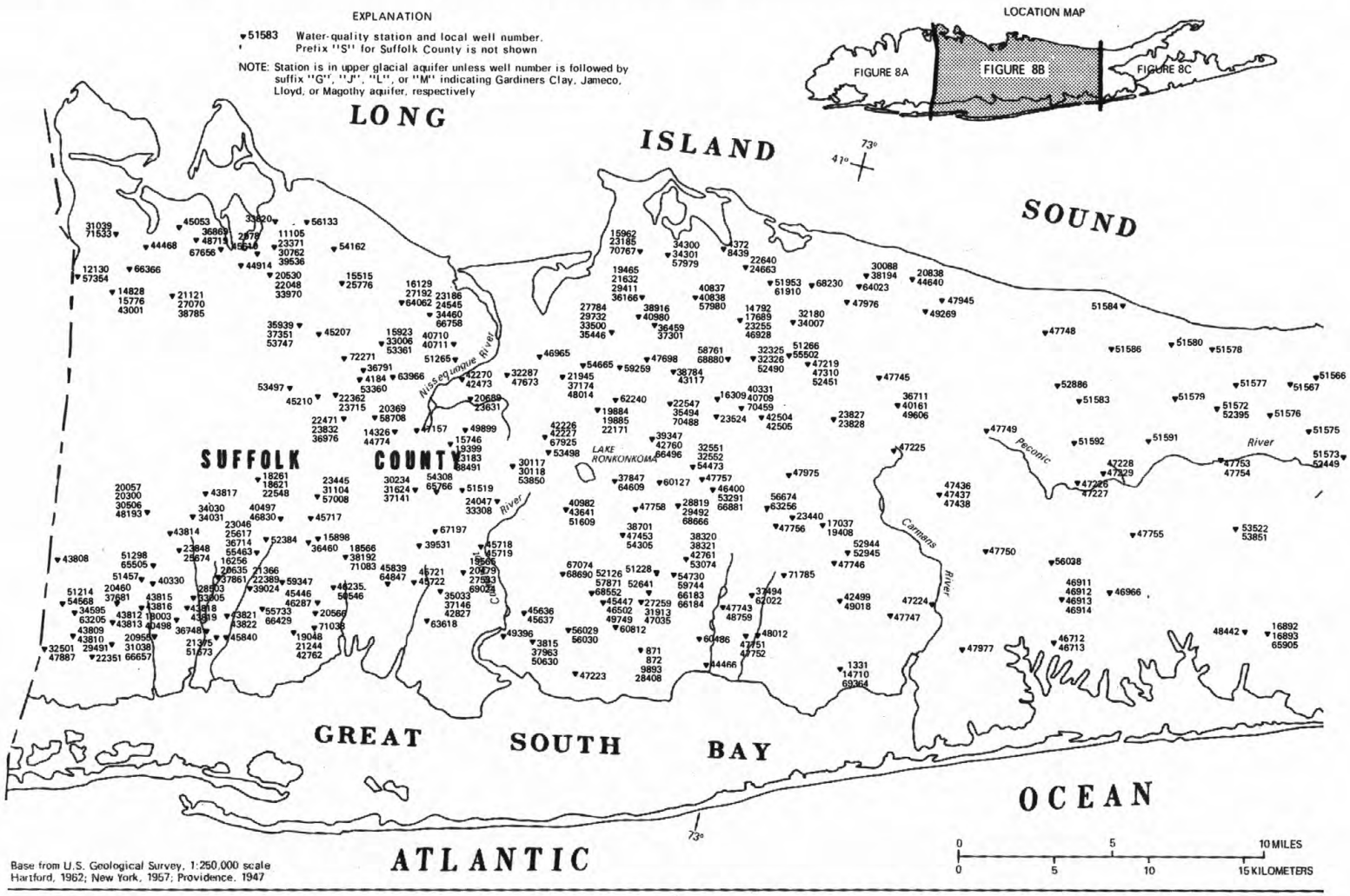


FIGURE 8B.-- LOCATION OF QUALITY OF GROUND-WATER DATA COLLECTION STATIONS

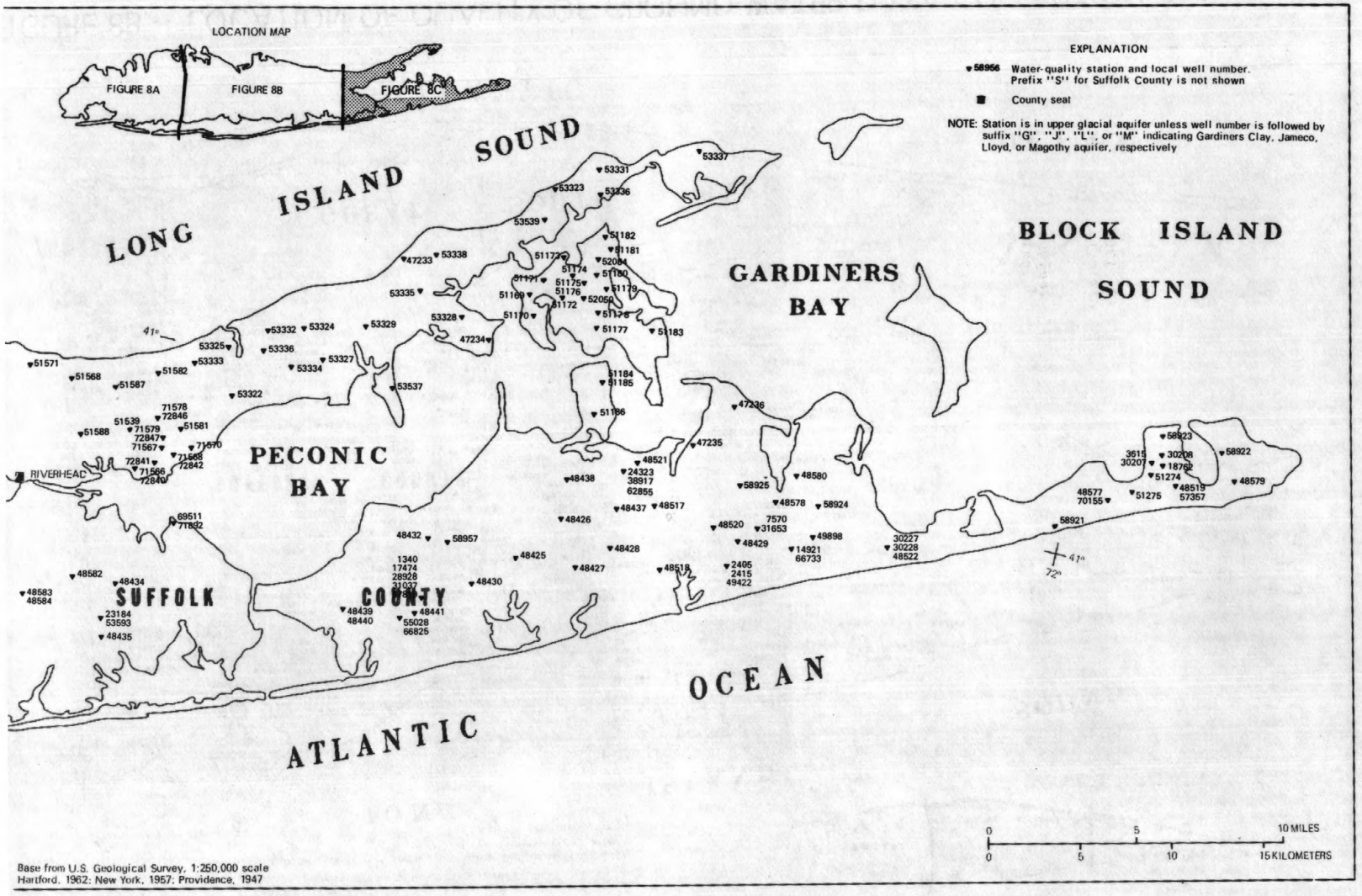


FIGURE 8C.-- LOCATION OF QUALITY OF GROUND-WATER DATA COLLECTION STATIONS

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 mi².

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 ft³/s, which are poor.

AVERAGE DISCHARGE.--46 years, 7.30 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,860 ft³/s Sept. 12, 1960, gage height, 7.12 ft, from rating curve extended above 220 ft³/s; minimum, 2.1 ft³/s Oct. 15, 1967; minimum gage height, 0.52 ft Oct. 22, 1959, Oct. 15, 1967.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1080 ft³/s July 3, gage height, 5.71 ft from rating curve extended above 220 ft³/s; minimum discharge, 4.1 ft³/s Nov. 5, 6, 7, 8, 9, 10, gage height, 0.68 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.8	4.5	6.4	5.6	5.1	7.1	10	6.7	22	29	8.8	7.1
2	15	4.4	6.1	5.6	4.9	6.3	8.0	6.6	46	17	9.1	7.0
3	6.8	5.6	8.2	5.6	7.6	5.9	6.9	9.1	17	122	9.2	26
4	6.5	6.4	32	5.7	20	5.7	17	24	13	27	8.9	18
5	11	4.2	9.3	5.7	12	13	107	8.1	12	18	16	10
6	6.2	4.2	12	5.6	8.6	9.3	24	7.0	10	16	9.4	9.4
7	5.5	4.1	10	5.4	6.1	6.4	13	7.0	8.9	59	16	8.5
8	5.3	4.1	8.2	5.2	5.3	6.0	9.5	12	8.0	23	9.9	7.7
9	4.9	4.2	5.9	5.1	5.2	6.3	7.9	8.1	7.7	16	9.0	7.3
10	4.7	24	5.8	5.9	5.1	5.7	7.5	6.9	7.6	14	8.8	7.4
11	4.6	8.0	5.5	5.4	8.3	5.8	7.7	6.7	7.7	12	8.6	8.4
12	56	5.2	15	5.0	5.8	5.3	7.3	8.8	7.4	9.9	8.9	8.0
13	8.2	4.8	48	4.9	5.3	33	7.0	6.9	16	9.1	8.7	7.9
14	7.1	4.6	19	5.1	5.3	54	22	9.6	10	8.8	8.0	8.4
15	6.5	9.8	9.2	4.9	9.5	15	15	6.8	8.1	8.3	7.4	15
16	5.8	26	7.3	4.7	6.3	11	53	6.6	7.6	9.6	7.2	8.3
17	5.7	6.3	6.6	4.6	5.4	7.8	15	6.5	7.6	8.6	7.0	8.2
18	5.5	5.6	6.2	4.6	5.2	6.9	11	6.5	7.7	18	7.0	8.0
19	15	5.3	6.1	4.7	5.3	6.5	8.6	6.4	16	9.7	6.9	7.7
20	5.5	5.0	5.8	4.6	5.1	6.6	8.0	17	7.9	8.9	7.2	7.7
21	5.2	18	5.5	4.5	4.9	14	7.6	10	7.9	31	6.8	7.7
22	5.0	5.7	52	4.3	4.8	7.4	7.2	7.0	7.8	13	6.9	7.6
23	13	5.3	16	4.4	9.1	6.3	12	26	7.7	10	8.2	7.7
24	34	9.3	10	13	20	6.1	8.9	9.9	23	10	7.0	7.7
25	7.7	39	6.9	11	7.2	5.9	7.7	7.7	36	9.3	6.7	7.9
26	6.7	8.2	5.9	7.9	5.6	5.8	7.3	9.5	12	8.8	6.7	7.7
27	6.0	6.6	5.6	6.6	5.2	5.7	7.0	7.4	11	28	6.8	7.6
28	5.7	11	28	5.8	44	7.6	6.8	46	10	11	6.8	11
29	5.2	24	10	5.3	11	24	6.7	35	11	9.6	7.0	6.2
30	4.7	7.3	6.6	5.3	---	20	6.7	94	104	9.3	6.9	5.5
31	4.7	---	5.8	6.3	---	17	---	85	---	9.0	11	---
TOTAL	292.5	280.7	384.9	178.3	253.2	343.4	443.3	514.8	478.6	592.9	262.8	272.6
MEAN	9.44	9.36	12.4	5.75	8.73	11.1	14.8	16.6	16.0	19.1	8.48	9.09
MAX	56	39	52	13	44	54	107	94	104	122	16	26
MIN	4.6	4.1	5.5	4.3	4.8	5.3	6.7	6.4	7.4	8.3	6.7	5.5

CAL YR 1983 TOTAL 3654.2 MEAN 10.0 MAX 132 MIN 3.4
WTR YR 1984 TOTAL 4298.0 MEAN 11.7 MAX 122 MIN 4.1

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 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	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)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)
NOV										
07...	0940	4.1	280	6.1	13.0	--	--	--	80	36
FEB										
21...	1220	5.0	315	6.4	11.0	--	--	--	36	1
MAY										
21...	1130	8.3	286	6.1	15.5	760	9.4	94	68	34
AUG										
15...	0945	8.1	303	6.5	16.0	759	8.2	84	81	40

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)
NOV										
07...	20	7.2	19	2.1	44	27	29	<.10	15	150
FEB										
21...	9.4	3.1	9.3	.80	35	25	32	<.10	5.8	110
MAY										
21...	18	5.6	17	2.4	34	26	28	<.10	11	130
AUG										
15...	21	7.0	19	2.1	41	29	30	<.10	15	150

DATE	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
NOV										
07...	3.89	.010	.140	.36	4.4	.020	.020	780	100	.03
FEB										
21...	2.29	.010	.220	.38	2.9	<.010	<.010	350	30	.04
MAY										
21...	3.07	.030	.270	.83	4.2	.070	.030	1100	110	.06
AUG										
15...	4.16	.040	.270	.13	4.6	.020	.030	1100	90	.01

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 mi².

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.--47 years, 9.17 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 137 ft³/s Sept. 12, 1960, gage height, 1.60 ft from rating curve extended above 70 ft³/s; maximum gage height, 4.85 ft Sept. 21, 1938 (hurricane wave); minimum discharge, 0.09 ft³/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 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Dec. 14	0015	34	0.76	May 29	0430	33	0.74
Dec. 22	1730	34	.76	May 31	0800	54	.98
Feb. 28	1730	34	.75	June 25	0330	38	.81
Mar. 14	0330	43	.86	June 30	1830	50	.94
Mar. 29	1130	Tidal effect	2.03	July 3	2030	*65	1.08
Apr. 5	1300	51	.95	July 7	1300	47	.91
Apr. 16	1230	34	.75				

Minimum discharge, 6.3 ft³/s Oct. 9, 10, 11, 29, 30, gage height, 0.26 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	6.6	8.9	8.4	8.7	12	14	9.5	23	32	12	11
2	16	6.9	8.1	8.4	8.1	9.7	11	9.2	25	20	12	10
3	10	7.1	9.1	8.4	8.5	8.9	9.9	9.8	20	28	12	13
4	8.2	8.0	17	8.5	14	8.5	10	17	15	41	11	26
5	7.7	7.4	17	8.8	13	9.7	40	15	13	21	14	16
6	8.2	7.1	12	8.8	12	13	26	12	12	19	14	13
7	7.1	7.0	11	8.5	10	10	15	10	12	33	14	11
8	6.7	6.8	8.6	8.2	8.7	8.9	12	11	11	27	16	11
9	6.6	6.8	7.9	8.0	8.4	9.4	11	12	11	17	13	11
10	6.5	10	7.7	8.3	8.3	9.0	9.9	10	11	14	12	11
11	6.5	19	7.4	11	9.3	8.6	9.9	10	11	13	12	11
12	13	10	10	9.1	10	9.5	9.9	9.8	11	13	13	10
13	20	7.9	24	8.4	9.4	11	9.6	10	11	12	13	10
14	11	7.2	26	8.7	8.9	32	13	11	15	12	12	10
15	7.9	7.3	15	8.4	10	17	19	10	12	11	12	15
16	6.8	16	10	8.2	11	12	28	9.8	11	12	11	13
17	6.6	11	8.8	8.0	9.5	10	20	9.6	10	12	11	11
18	6.9	8.6	8.4	8.4	8.9	9.7	14	9.6	11	15	10	11
19	10	7.8	8.4	9.3	8.8	9.3	12	11	16	15	11	11
20	8.8	7.7	10	8.5	8.6	9.2	11	11	13	13	11	10
21	7.5	10	8.8	8.1	8.3	10	10	16	11	20	10	10
22	7.0	8.8	20	7.9	8.1	12	9.8	12	10	23	10	10
23	7.6	7.6	20	7.9	8.1	9.5	11	12	10	16	11	10
24	19	7.8	12	9.8	16	8.9	13	16	11	14	11	10
25	13	18	9.5	12	12	9.1	11	12	30	12	10	10
26	9.4	14	8.5	11	9.9	8.9	10	10	17	11	10	10
27	7.8	9.7	8.0	9.7	8.8	8.7	10	10	13	20	10	9.8
28	7.2	9.0	11	9.0	20	9.3	10	12	11	19	10	12
29	6.5	16	15	8.6	20	19	9.9	28	12	14	10	12
30	6.5	11	11	8.6	---	21	9.9	40	25	13	10	11
31	6.8	---	9.0	9.3	---	17	---	45	---	12	12	---
TOTAL	287.8	288.1	368.1	274.2	305.3	360.8	409.8	430.3	424	554	360	349.8
MEAN	9.28	9.60	11.9	8.85	10.5	11.6	13.7	13.9	14.1	17.9	11.6	11.7
MAX	20	19	26	12	20	32	40	45	30	41	16	26
MIN	6.5	6.6	7.4	7.9	8.1	8.5	9.6	9.2	10	11	10	9.8

CAL YR 1983 TOTAL 3435.1 MEAN 9.41 MAX 33 MIN 5.3
WTR YR 1984 TOTAL 4412.2 MEAN 12.1 MAX 45 MIN 6.5

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 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	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)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)
NOV 07...	0855	7.0	170	6.2	8.0	--	--	--	46	18
FEB 21...	1300	8.1	175	6.7	7.0	--	--	--	37	18
MAY 21...	1030	16	202	9.1	19.0	--	--	--	44	19
AUG 15...	0845	12	162	9.2	27.5	--	--	--	45	13

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)
NOV 07...	11	4.4	12	3.3	28	18	17	<.10	9.4	92
FEB 21...	9.2	3.5	13	1.2	19	16	21	<.10	7.1	82
MAY 21...	11	4.1	13	1.3	25	20	21	<.10	6.6	92
AUG 15...	11	4.2	11	1.4	32	19	16	<.10	8.2	90

DATE	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
NOV 07...	1.17	.030	.270	.83	2.3	.040	.020	440	20	.03
FEB 21...	1.29	.010	.030	.57	1.9	.030	.020	570	30	.03
MAY 21...	--	<.010	.310	.79	--	.040	.010	550	40	.04
AUG 15...	.150	.050	.060	1.9	2.2	.060	.030	1000	40	<.01

40

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 mi².

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 ft³/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.--33 years (1951-78, 80-84), 2.64 ft³/s (unadjusted).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 181 ft³/s Jan. 21, 1979, gage height, 1.99 ft (result of regulation), from rating curve extended above 80 ft³/s; maximum gage height, 5.34 ft Aug. 31, 1954 (backwater from high tide), from high-water mark; minimum discharge, 0.20 ft³/s Jan. 24-27, 1967, gage height, 0.07 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 74 ft³/s Nov. 25, gage height, 1.29 ft; maximum gage height, 3.42 ft Mar. 29 (backwater from high tide); minimum discharge 0.15 ft³/s Dec. 1, 7, gage height, 0.06 ft (result of regulation).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.7	2.2	.25	3.3	3.1	3.9	4.4	3.7	6.7	11	4.3	4.1
2	8.4	2.4	.24	3.2	2.9	3.2	4.0	3.6	13	6.4	4.2	4.0
3	4.1	2.2	.23	3.0	2.9	3.0	3.6	3.7	7.3	6.4	4.0	4.9
4	3.4	2.8	.26	3.0	4.3	2.8	3.6	5.4	5.0	7.9	4.0	9.7
5	2.6	3.0	.26	3.5	4.3	3.2	11	4.6	4.4	4.6	4.5	5.4
6	2.4	2.4	.20	3.5	4.1	4.0	6.9	3.9	4.2	4.4	4.5	4.5
7	2.4	3.0	.18	3.5	3.4	3.3	4.5	3.9	4.0	12	4.4	4.3
8	2.4	2.6	.21	3.4	3.0	2.9	3.9	4.1	3.9	6.9	4.7	4.3
9	2.1	2.6	.20	3.2	2.8	3.3	3.7	4.2	3.7	4.5	4.3	4.3
10	2.1	3.2	.97	3.3	2.8	3.0	3.6	3.8	3.5	4.1	4.1	4.3
11	2.1	5.4	2.4	3.9	2.9	2.9	3.5	3.6	3.5	4.1	4.0	4.3
12	3.4	3.5	3.2	3.1	3.0	2.8	3.5	3.7	3.2	3.9	4.0	4.3
13	6.3	2.8	6.1	3.0	2.9	3.4	3.5	3.7	3.4	3.7	4.2	4.3
14	3.8	2.6	8.2	3.0	2.8	14	4.2	4.0	4.3	3.6	4.0	4.3
15	2.9	2.6	4.6	3.0	3.2	5.2	7.1	3.8	4.2	3.5	4.0	5.6
16	2.6	4.5	3.7	3.0	3.4	4.0	10	3.6	3.8	4.0	4.0	5.0
17	2.3	4.0	3.2	3.0	3.0	3.7	6.0	3.6	3.5	4.1	4.0	4.4
18	2.2	3.0	3.0	3.1	3.0	3.2	4.5	3.5	3.7	4.9	4.0	4.3
19	4.5	2.6	3.0	3.2	3.0	3.2	4.2	3.6	6.6	4.8	4.0	4.3
20	3.4	3.7	2.8	3.1	3.0	3.2	4.0	3.9	4.6	3.9	4.1	4.3
21	2.5	4.0	2.8	3.0	2.8	3.5	3.8	5.6	3.8	7.8	4.0	4.3
22	2.4	3.0	11	2.9	2.8	4.1	3.7	4.3	3.4	7.3	4.0	4.1
23	2.7	2.8	7.7	2.8	2.8	3.6	4.0	5.6	3.2	4.6	4.2	4.2
24	7.8	3.2	4.3	3.2	4.9	3.2	5.2	8.2	3.6	4.1	4.2	4.3
25	4.8	19	3.7	4.0	4.1	3.2	4.4	4.4	9.8	3.8	4.0	4.2
26	3.0	7.9	3.3	4.1	3.2	3.2	4.0	3.9	4.9	3.8	4.1	4.2
27	2.6	8.7	3.1	3.6	2.8	3.2	3.8	4.0	3.9	8.6	4.1	4.2
28	2.6	14	3.5	3.1	6.7	3.5	3.5	4.2	3.6	6.7	4.0	4.8
29	2.4	17	5.5	3.0	6.4	6.4	3.6	5.1	3.7	4.8	4.0	4.8
30	2.2	3.7	3.9	3.0	---	6.0	3.8	12	8.6	4.2	4.2	4.5
31	2.2	---	3.3	3.3	---	4.7	---	15	---	4.2	4.2	---
TOTAL	102.3	144.4	95.30	100.3	100.3	122.8	139.5	150.2	145.0	168.6	128.3	138.5
MEAN	3.30	4.81	3.07	3.24	3.46	3.96	4.65	4.85	4.83	5.44	4.14	4.62
MAX	8.4	19	11	4.1	6.7	14	11	15	13	12	4.7	9.7
MIN	2.1	2.2	.18	2.8	2.8	2.8	3.5	3.5	3.2	3.5	4.0	4.0

CAL YR 1983 TOTAL 1048.30 MEAN 2.87 MAX 19 MIN .18
WTR YR 1984 TOTAL 1535.50 MEAN 4.20 MAX 19 MIN .18

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 mi².

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.--41 years, 42.0 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 952 ft³/s Jan. 22, 1979, gage height, 3.22 ft (result of dam failure), from rating curve extended above 600 ft³/s; minimum, 16 ft³/s June 5, 6, 1967; minimum gage height, 0.46 ft Feb. 9, 1951; minimum daily, 19 ft³/s June 6, 1967.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 160 ft³/s May. 31, gage height, 1.31 ft; minimum, 37 ft³/s Oct. 6, 7, 8, 9, 10, 11, gage height, 0.66 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	38	48	50	48	63	63	55	115	70	61	52
2	45	38	47	49	47	56	59	55	121	73	60	52
3	42	39	48	48	46	53	57	55	111	70	59	55
4	41	44	54	47	56	51	56	69	88	73	63	68
5	39	43	59	48	56	52	81	66	76	67	72	64
6	38	40	56	48	55	60	77	61	69	65	74	59
7	38	40	56	49	52	56	66	59	61	91	72	57
8	37	39	52	47	49	53	61	59	57	108	67	56
9	38	38	48	47	48	53	58	63	59	83	63	55
10	38	45	46	47	47	51	57	60	60	73	61	55
11	38	62	45	52	47	51	57	58	60	69	61	55
12	43	50	46	49	48	49	56	57	60	63	61	53
13	47	44	52	47	48	55	55	57	60	57	59	52
14	43	43	63	47	48	101	57	58	61	57	58	55
15	40	42	58	47	51	81	66	57	61	55	58	65
16	38	57	53	47	53	66	113	56	60	58	58	63
17	38	55	49	47	51	59	105	55	59	59	57	59
18	38	49	48	47	50	57	80	55	60	62	57	57
19	44	46	46	48	49	55	77	55	65	62	57	54
20	42	45	45	46	48	55	71	56	63	61	56	52
21	40	48	45	45	47	55	66	65	60	75	55	52
22	39	46	63	44	47	57	62	60	58	94	55	51
23	39	46	78	44	47	54	64	60	57	84	56	51
24	65	45	67	47	61	53	70	66	58	72	55	53
25	60	64	56	54	57	52	67	61	81	66	54	53
26	51	62	51	52	52	52	64	57	72	63	53	52
27	45	54	48	51	49	52	56	56	64	77	52	52
28	43	51	53	50	67	53	54	56	60	80	53	54
29	40	56	64	48	77	69	53	60	72	70	54	52
30	39	52	57	48	---	76	55	85	67	63	54	51
31	38	---	53	49	---	69	---	133	---	61	53	---
TOTAL	1309	1421	1654	1489	1501	1819	1983	1925	2075	2181	1828	1659
MEAN	42.2	47.4	53.4	48.0	51.8	58.7	66.1	62.1	69.2	70.4	59.0	55.3
MAX	65	64	78	54	77	101	113	133	121	108	74	68
MIN	37	38	45	44	46	49	53	55	57	55	52	51

CAL YR 1983	TOTAL	17894	MEAN	49.0	MAX	159	MIN	32
WTR YR 1984	TOTAL	20844	MEAN	57.0	MAX	133	MIN	37

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 1983 TO SEPTEMBER 1984

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)	HARD-NESS (MG/L AS CACO3)
NOV												
08...	1300	39	125	6.4	10.0	1.7	--	--	--	--	--	26
DEC												
* 19...	1400	46	85	6.7	4.0	--	--	11.8	--	--	--	24
FEB												
14...	0930	48	175	6.3	7.0	4.0	767	9.8	80	K9	K13	34
APR												
* 09...	1300	57	120	5.6	10.0	--	--	11.6	--	--	--	28
MAY												
15...	1120	57	119	6.6	14.5	<1.0	761	9.9	98	K12	K15	27
JUN												
* 12...	1300	60	110	4.9	22.0	--	--	7.2	--	--	--	29
AUG												
21...	1000	55	131	7.2	18.0	.50	--	--	--	K14	K18	29
SEP												
* 12...	1320	54	100	6.0	17.0	--	--	8.2	--	--	--	29

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 1983 TO SEPTEMBER 1984

DATE	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
NOV 08...	9	6.5	2.4	11	1.3	--	17	11	17	<.10	7.5	76
DEC 19...	11	6.5	2.0	9.5	1.4	14	--	7.7	14	--	--	--
FEB 14...	18	8.3	3.2	15	1.3	--	16	12	22	<.10	6.3	98
APR 09...	12	7.0	2.5	13	1.8	16	--	9.4	18	<.50	--	--
MAY 15...	13	6.6	2.5	12	1.1	--	14	9.3	16	.10	4.9	95
JUN 12...	10	7.5	2.5	12	1.3	19	--	7.8	16	<.50	--	--
AUG 21...	10	7.3	2.5	12	1.2	--	19	11	17	<.10	6.4	77
SEP 12...	18	7.4	2.6	11	1.1	12	--	10	16	<.50	--	--

DATE	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	ALUMINUM, DISSOLVED (UG/L AS AL)
NOV 08...	67	--	--	--	--	--	1.7	--	.010	<.010	<.010	20
DEC 19...	--	1.9	.016	1.9	.100	.90	1.0	2.9	.009	<.002	.002	--
FEB 14...	78	--	--	--	--	--	.30	--	<.010	<.010	<.010	10
APR 09...	--	2.0	.009	2.0	.080	.12	.20	2.2	.011	.012	.004	--
MAY 15...	62	--	--	--	--	--	.80	--	.040	.020	<.010	10
JUN 12...	--	1.9	.016	1.9	.100	.60	.70	2.6	.018	.012	.007	--
AUG 21...	69	--	--	--	--	--	.40	--	<.010	<.010	<.010	10
SEP 12...	--	2.4	.007	2.4	.060	.04	.10	2.5	.007	.005	.002	--

01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN, NY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, DIS-SOLVED (UG/L AS BA)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	LITHIUM DIS-SOLVED (UG/L AS LI)
NOV											
08...	<1	25	<.5	<1	4	<3	2	--	47	1	<4
DEC											
19...	--	--	--	--	--	--	--	100	80	--	--
FEB											
14...	<1	29	<.5	<1	2	<3	1	--	56	3	<4
APR											
09...	--	--	--	--	--	--	--	200	200	--	--
MAY											
15...	<1	20	<1.0	1	<1	<3	2	--	84	2	<4
JUN											
12...	--	--	--	--	--	--	--	300	200	--	--
AUG											
21...	1	25	<.5	<1	<1	<3	1	--	75	2	<4
SEP											
12...	--	--	--	--	--	--	--	400	400	--	--

DATE	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY DIS-SOLVED (UG/L AS HG)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, DIS-SOLVED (UG/L AS AG)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, DIS-SOLVED (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
NOV											
08...	--	23	.2	<10	1	<1	<1	48	<6	18	--
DEC											
19...	70	50	--	--	--	--	--	--	--	--	<.02
FEB											
14...	--	53	.2	<10	2	<1	<1	74	<6	17	--
APR											
09...	40	40	--	--	--	--	--	--	--	--	.03
MAY											
15...	--	34	<.1	<10	2	<1	<1	58	<6	12	--
JUN											
12...	90	--	--	--	--	--	--	--	--	--	<.02
AUG											
21...	--	43	<.1	<10	4	<1	<1	54	<6	4	--
SEP											
12...	70	--	--	--	--	--	--	--	--	--	<.02

01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN, NY--Continued

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV					
08...	1300	39	2	.21	--
FEB					
14...	0930	48	4	.52	--
AUG					
21...	1000	55	35	5.2	42

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 mi².

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.--42 years, 37.4 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 225 ft³/s Jan. 30, 1978, gage height, 1.20 ft (result of regulation); maximum gage height, 2.09 ft Mar. 29, 1984 (backwater from high tide); minimum discharge, 1.4 ft³/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 ft³/s Aug. 2, 1944.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 144 ft³/s June 5, gage height, 0.97 ft; maximum gage height, 2.09 ft Mar. 29 (backwater from high tide); minimum discharge, 4.7 ft³/s Dec. 24, 25, gage height, 0.19 ft (result of freezeup); minimum daily, 23 ft³/s Oct. 18.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	28	65	60	55	84	94	85	106	95	78	49
2	41	28	63	60	53	83	93	81	124	92	75	47
3	36	27	62	58	52	83	90	80	134	88	71	47
4	33	31	65	58	60	81	90	88	140	85	70	52
5	33	30	73	58	64	82	97	88	143	82	70	52
6	32	30	71	57	66	87	99	85	140	82	70	51
7	30	28	73	56	66	85	97	83	135	88	69	50
8	27	28	71	56	64	82	94	83	128	94	55	50
9	26	28	69	55	65	82	91	87	120	91	60	49
10	25	30	67	54	66	80	89	84	110	89	62	49
11	24	39	64	58	66	79	88	81	103	88	75	49
12	26	38	64	56	66	76	86	80	97	87	70	47
13	30	36	66	55	65	77	83	78	95	84	64	47
14	27	34	67	54	64	99	81	79	96	81	63	46
15	25	34	67	52	67	98	86	78	92	78	62	51
16	24	57	65	51	68	98	103	77	88	80	61	51
17	24	59	63	50	66	99	107	74	87	80	60	50
18	23	56	61	50	64	98	108	74	85	81	58	49
19	26	53	59	51	62	98	109	72	87	81	58	49
20	26	50	57	49	62	94	110	72	84	80	57	49
21	26	54	56	46	60	93	108	75	82	82	55	48
22	25	64	61	45	58	92	104	73	79	87	54	47
23	25	58	67	45	58	90	103	72	76	86	53	45
24	32	51	56	47	69	87	109	73	73	85	50	45
25	36	70	53	54	68	84	105	71	101	82	49	44
26	36	69	66	54	66	82	100	69	104	80	49	43
27	34	66	58	54	64	81	97	68	104	84	49	43
28	32	64	59	54	74	79	94	66	102	87	49	43
29	31	69	64	54	86	88	91	68	100	85	48	43
30	29	67	63	54	---	95	87	78	97	82	47	43
31	28	---	62	57	---	95	---	100	---	80	49	---
TOTAL	914	1376	1977	1662	1864	2711	2893	2422	3112	2626	1860	1428
MEAN	29.5	45.9	63.8	53.6	64.3	87.5	96.4	78.1	104	84.7	60.0	47.6
MAX	42	70	73	60	86	99	110	100	143	95	78	52
MIN	23	27	53	45	52	76	81	66	73	78	47	43

CAL YR 1983 TOTAL 17838 MEAN 48.9 MAX 129 MIN 13
WTR YR 1984 TOTAL 24845 MEAN 67.9 MAX 143 MIN 23

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 1983 TO SEPTEMBER 1984

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)	ALKA-LINITY FIELD (MG/L AS CACO3)
DEC											
19...	0900	60	80	6.4	5.0	9.6	7.0	2.0	8.0	1.8	14
APR											
09...	0800	93	84	6.0	9.0	10.7	5.5	2.0	9.5	2.0	13
JUN											
12...	0900	98	83	4.6	24.0	5.8	5.8	1.8	7.6	1.5	17
SEP											
12...	0815	47	93	5.5	19.0	6.5	8.8	2.2	9.0	1.5	11

DATE	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)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)
DEC										
19...	13	12	--	.27	.25	.006	.009	.270	.260	.30
APR										
09...	13	13	<.50	.09	.32	.001	.017	.160	.200	.10
JUN										
12...	10	11	<.50	.12	.10	.013	.015	.310	.250	1.0
SEP										
12...	12	14	<.50	.15	.17	.005	.008	.100	.100	.40

DATE	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	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										
19...	.40	.078	.071	.048	.050	500	400	160	160	<.02
APR										
09...	.20	.050	.035	.024	.029	700	400	120	100	<.02
JUN										
12...	.70	.168	.123	.098	.117	1300	1100	220	--	<.02
SEP										
12...	.20	.066	.057	.035	.041	900	700	150	--	<.02

01305000 CARMANS RIVER AT YAPHANK, NY

(National stream-quality accounting network station)

LOCATION.--Lat 40°49'49", long 72°54'24", Suffolk County, Hydrologic Unit 02030202, on left bank 50 ft 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.--42 years, 24.2 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, 86 ft³/s June 25, gage height, 1.80 ft; minimum, 9.2 ft³/s Dec. 25, gage height, 0.84 ft (result of freezeup).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	24	28	29	29	36	40	41	55	50	42	38
2	27	24	28	29	28	33	39	40	64	47	43	37
3	25	24	29	29	28	33	38	41	56	46	43	38
4	25	27	33	29	36	32	37	46	51	45	42	49
5	25	25	34	29	35	34	44	43	49	45	43	42
6	24	24	31	29	33	38	43	41	49	45	43	39
7	24	24	32	29	30	35	40	40	48	55	46	37
8	24	24	29	28	29	34	38	44	48	54	49	37
9	24	23	29	28	29	35	37	45	47	48	45	37
10	23	26	29	28	29	34	37	42	46	45	41	37
11	23	31	28	31	29	34	37	40	46	45	42	38
12	25	28	28	29	31	33	37	41	46	44	42	38
13	28	25	29	28	30	37	37	41	46	43	42	37
14	26	25	31	28	28	55	38	41	48	42	42	39
15	24	25	30	28	31	43	46	40	47	42	41	50
16	24	39	29	28	32	40	62	39	45	44	41	43
17	24	32	29	28	30	39	52	39	45	43	40	40
18	24	28	28	28	30	38	46	38	46	48	40	39
19	26	27	28	29	30	38	44	38	48	47	40	38
20	25	26	28	28	30	38	44	39	46	43	40	38
21	24	29	27	27	29	38	43	42	45	51	39	38
22	23	27	35	26	29	39	44	39	44	55	38	37
23	24	26	35	26	29	38	50	40	44	49	39	38
24	34	27	32	29	38	37	47	42	44	46	39	38
25	30	42	27	33	33	37	45	39	66	44	38	37
26	27	34	31	31	31	37	43	39	54	43	38	37
27	26	30	29	30	30	37	42	39	48	52	38	37
28	25	29	31	30	42	37	42	39	46	50	38	37
29	24	31	34	29	41	49	41	40	54	46	38	37
30	24	29	31	29	---	47	41	52	56	44	38	37
31	24	---	29	30	---	43	---	65	---	43	38	---
TOTAL	783	835	931	892	909	1178	1274	1295	1477	1444	1268	1164
MEAN	25.3	27.8	30.0	28.8	31.3	38.0	42.5	41.8	49.2	46.6	40.9	38.8
MAX	34	42	35	33	42	55	62	65	66	55	49	50
MIN	23	23	27	26	28	32	37	38	44	42	38	37

CAL YR 1983	TOTAL	10464	MEAN	28.7	MAX	54	MIN	19
WTR YR 1984	TOTAL	13450	MEAN	36.7	MAX	66	MIN	23

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 1983 TO SEPTEMBER 1984

	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)	HARD-NESS (MG/L AS CACO3)
	NOV 08...	1015	23	120	6.3	9.5	1.5	--	--	--	--	--	31
*	DEC 19...	1000	28	90	6.8	4.0	--	--	10.8	--	--	--	30
	FEB 14...	1145	28	125	6.2	12.0	1.7	767	6.8	63	K1	K1	29
*	APR 09...	0900	37	100	6.3	9.0	--	--	12.0	--	--	--	24
	MAY 16...	1030	40	105	6.6	14.0	1.2	--	--	--	K1	K5	29
*	JUN 12...	1000	45	105	4.9	21.0	--	--	7.1	--	--	--	30
	AUG 24...	0815	40	119	6.6	17.5	1.0	757	8.2	86	K5	K13	30
*	SEP 12...	0925	38	100	5.8	17.0	--	--	6.5	--	--	--	32

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

01305000 CARMANS RIVER AT YAPHANK, NY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	HARDNESS, NONCARBONATE (MG/L CACO3)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	ALKALINITY LAB (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)
NOV												
08...	13	7.5	2.9	9.0	1.2	--	18	15	14	<.10	12	73
DEC												
19...	12	8.0	2.5	9.0	1.4	19	--	13	14	--	--	--
FEB												
14...	14	7.3	2.7	9.0	1.1	--	15	14	14	<.10	9.8	66
APR												
09...	7	6.5	2.0	8.0	1.6	17	--	13	13	<.50	--	--
MAY												
16...	15	7.1	2.7	8.7	1.0	--	14	15	12	<.10	9.8	89
JUN												
12...	--	8.0	2.5	9.0	1.2	--	--	12	14	<.50	--	--
AUG												
24...	15	7.5	2.8	8.7	.90	--	15	16	14	<.10	9.5	75
SEP												
12...	20	8.2	2.8	9.0	1.1	12	--	14	14	<.50	--	--

DATE	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DISSOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)	ALUMINUM, DISSOLVED (UG/L AS AL)
NOV												
08...	73	--	--	--	--	--	.20	--	.010	.010	<.010	20
DEC												
19...	--	1.2	.004	1.2	<.050	--	<.10	--	.009	.010	.005	--
FEB												
14...	67	--	--	--	--	--	.20	--	<.010	<.010	<.010	10
APR												
09...	--	.91	.006	.92	.070	--	<.10	--	.009	.008	.002	--
MAY												
16...	66	--	--	--	--	--	.90	--	.020	.010	<.010	10
JUN												
12...	--	.76	.010	.77	.100	.50	.60	1.4	.018	.015	.010	--
AUG												
24...	69	--	--	--	--	--	.40	--	<.010	<.010	<.010	20
SEP												
12...	--	.95	.005	.96	<.050	--	.10	1.1	.009	.008	.004	--

01305000 CARMANS RIVER AT YAPHANK, NY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, DIS-SOLVED (UG/L AS BA)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR)	COBALT, DIS-SOLVED (UG/L AS CO)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, DIS-SOLVED (UG/L AS PB)	LITHIUM DIS-SOLVED (UG/L AS LI)
NOV											
08...	<1	27	<.5	1	6	<3	3	--	120	2	<4
DEC											
19...	--	--	--	--	--	--	--	200	200	--	--
FEB											
14...	<1	26	<.5	1	2	<3	1	--	110	1	<4
APR											
09...	--	--	--	--	--	--	--	400	300	--	--
MAY											
16...	<1	23	<1.0	<1	<1	<3	1	--	270	2	<4
JUN											
12...	--	--	--	--	--	--	--	500	400	--	--
AUG											
24...	1	28	<.5	<1	<1	<3	2	--	130	1	<4
SEP											
12...	--	--	--	--	--	--	--	500	500	--	--

DATE	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)	MERCURY DIS-SOLVED (UG/L AS HG)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELE-NIUM, DIS-SOLVED (UG/L AS SE)	SILVER, DIS-SOLVED (UG/L AS AG)	STRON-TIUM, DIS-SOLVED (UG/L AS SR)	VANA-DIUM, DIS-SOLVED (UG/L AS V)	ZINC, DIS-SOLVED (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
NOV											
08...	--	45	<.1	<10	2	<1	<1	36	<6	19	--
DEC											
19...	110	110	--	--	--	--	--	--	--	--	<.02
FEB											
14...	--	68	<.1	<10	3	<1	1	36	<6	39	--
APR											
09...	100	90	--	--	--	--	--	--	--	--	<.02
MAY											
16...	--	78	.1	<10	1	<1	<1	36	<6	13	--
JUN											
12...	100	--	--	--	--	--	--	--	--	--	<.02
AUG											
24...	--	33	<.1	<10	<1	<1	<1	37	<6	10	--
SEP											
12...	80	--	--	--	--	--	--	--	--	--	<.02

01305000 CARMANS RIVER AT YAPHANK, NY--Continued

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	SEDI-MENT, SUS-PENDED (MG/L)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV					
08...	1015	23	2	.12	--
FEB					
14...	1145	28	3	.23	--
AUG					
24...	0915	40	24	2.6	82

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 mi².

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 July to September, which are fair. Flow regulated occasionally at outlet of Swan Lake.

AVERAGE DISCHARGE.--38 years, 12.7 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 52 ft³/s June 5, 1982, gage height, 2.18 ft; minimum, 0.06 ft³/s Sept. 2, 1964, gage height, 0.02 ft (result of regulation); minimum daily, 4.3 ft³/s Oct. 13, 14, 1967.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 45 ft³/s July 27, gage height, 1.77 ft; minimum, 4.0 ft³/s July 17, gage height, 0.42 ft (result of regulation).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	12	14	16	16	18	20	22	24	20	20	20
2	12	12	15	16	16	18	20	22	29	19	20	20
3	12	12	16	16	16	18	20	22	24	19	19	22
4	12	14	21	16	23	17	20	26	22	19	20	26
5	12	12	18	16	21	18	24	23	21	19	21	21
6	12	11	17	16	20	21	21	22	22	19	21	19
7	12	11	18	16	18	19	20	22	21	28	21	20
8	12	12	16	16	17	18	20	23	21	23	21	19
9	12	12	15	16	17	18	20	24	21	20	21	19
10	12	16	15	16	16	18	20	21	20	20	21	19
11	12	18	15	17	16	18	20	21	20	20	21	19
12	14	12	16	16	17	18	20	21	19	20	21	19
13	13	12	17	16	16	20	20	21	22	19	21	18
14	12	11	17	16	16	28	20	22	21	18	20	21
15	11	14	16	16	18	20	25	20	21	18	20	23
16	11	21	16	16	17	20	32	20	20	18	20	21
17	11	15	16	16	16	19	23	20	20	16	20	20
18	11	14	15	16	16	19	22	20	21	24	20	20
19	13	14	15	16	16	19	22	20	25	21	20	20
20	12	14	14	16	16	19	21	20	20	19	20	20
21	11	15	14	16	16	19	21	22	20	27	20	20
22	11	15	21	16	16	19	21	19	21	24	20	18
23	12	14	18	16	16	19	23	21	20	21	20	19
24	21	14	16	17	24	19	23	20	20	21	19	19
25	13	24	16	20	19	19	22	19	28	20	19	19
26	13	16	16	17	17	19	22	19	21	20	19	19
27	12	15	15	17	17	19	22	18	20	27	19	18
28	12	15	19	16	24	19	22	18	20	22	19	19
29	12	16	18	16	23	29	23	20	24	21	20	18
30	12	15	16	16	---	24	23	27	20	20	20	17
31	12	---	16	17	---	21	---	31	---	20	21	---
TOTAL	382	428	507	505	516	609	652	666	648	642	624	592
MEAN	12.3	14.3	16.4	16.3	17.8	19.6	21.7	21.5	21.6	20.7	20.1	19.7
MAX	21	24	21	20	24	29	32	31	29	28	21	26
MIN	11	11	14	16	16	17	20	18	19	16	19	17

CAL YR 1983 TOTAL 5449.0 MEAN 14.9 MAX 27 MIN 9.0
WTR YR 1984 TOTAL 6771 MEAN 18.5 MAX 32 MIN 11

01305500 SWAN RIVER AT EAST PATCHOGUE, NY--Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)	ALKA-LINITY FIELD (MG/L AS CACO3)
DEC											
19...	1300	15	85	6.7	5.0	11.2	8.0	2.0	9.0	1.6	16
APR											
09...	1000	20	93	5.8	8.0	12.0	6.5	2.0	10	2.0	14
JUN											
12...	1100	18	100	4.9	19.0	8.6	8.5	2.0	10	1.4	36
SEP											
12...	1031	19	95	5.9	17.0	8.3	8.0	2.2	9.0	1.3	11

DATE	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)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)
DEC										
19...	10	12	--	1.8	1.8	.011	.011	.130	.130	.40
APR										
09...	11	13	<.50	1.7	2.0	.008	.015	.080	.110	<.10
JUN										
12...	10	13	<.50	1.6	1.6	.210	.210	.080	.080	2.1
SEP										
12...	12	11	<.50	1.9	1.9	.010	.010	.060	.060	.10

DATE	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	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										
19...	<.10	.017	.010	.007	.006	100	90	140	140	<.02
APR										
09...	.10	.012	.014	.008	.006	200	200	120	110	<.02
JUN										
12...	1.8	.028	.015	.008	.006	300	200	110	--	<.02
SEP										
12...	.20	.018	.012	.008	.009	500	400	80	--	<.02

01306000 PATCHOGUE RIVER AT PATCHOGUE, NY

LOCATION.--Lat 40°45'56", long 73°01'16", Suffolk County, Hydrologic Unit 02030202, on left bank just downstream from Montauk Highway in Patchogue, and 1.0 mi 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 1983 TO SEPTEMBER 1984

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 19...	1300	125	6.9	7.0	9.5	11	3.2	16	4.1	33
APR 09...	1100	150	6.2	10.0	10.4	10	3.0	15	4.1	37
JUN 12...	1200	160	5.0	23.0	7.8	11	3.5	16	4.2	63
SEP 02...	1155	150	6.4	20.0	7.4	11	3.4	14	3.8	25

DATE	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)
DEC 19...	12	21	--	2.4	2.5	.035	.036	.900	.890	1.8
APR 09...	10	21	<.50	2.2	2.1	.032	.034	1.10	1.10	.80
JUN 12...	10	23	<.50	1.7	1.8	.140	.140	1.40	1.40	1.7
SEP 02...	12	22	<.50	2.8	2.8	.098	.098	.340	.340	.20

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	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 19...	1.0	.031	.003	.008	.008	400	300	300	280	<.02
APR 09...	.70	.026	.025	.005	.006	800	700	850	820	<.02
JUN 12...	.40	.046	.042	.010	.013	1000	600	680	--	.03
SEP 02...	.20	.016	.014	.003	.004	700	600	160	--	<.02

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 mi².

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.

AVERAGE DISCHARGE.--5 years, 6.95 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 40 ft³/s Aug. 4, 1979, gage height, 1.56 ft; minimum, 0.36 ft³/s July 15, 1980 (result of regulation), gage height, 0.12 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 31 ft³/s June 2, July 21, gage height, 1.33 ft; minimum, 3.9 ft³/s Oct. 22, gage height, 0.39 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.6	5.0	8.0	9.0	7.8	11	13	14	21	19	18	15
2	5.4	5.0	7.7	9.0	7.5	11	13	14	27	18	18	14
3	4.9	5.0	8.1	9.0	7.7	10	12	14	24	18	17	15
4	4.7	6.2	10	9.0	9.8	10	12	16	22	19	17	22
5	4.6	5.4	10	8.9	9.6	11	16	14	20	18	18	17
6	4.5	5.1	9.5	8.8	9.3	12	14	14	20	18	17	16
7	4.3	5.0	9.5	8.6	8.9	11	14	14	19	22	17	15
8	4.3	4.9	8.6	7.7	8.5	10	16	15	19	22	17	15
9	4.3	4.8	8.4	7.8	8.4	10	15	17	18	20	16	15
10	4.3	6.5	8.3	8.0	8.2	9.8	14	15	17	19	16	13
11	4.2	8.6	8.0	8.5	8.3	9.9	13	14	17	19	16	13
12	4.8	6.8	8.3	7.9	8.6	9.6	13	14	17	18	16	16
13	5.2	6.3	9.4	7.7	8.9	11	13	14	17	17	16	15
14	4.9	6.0	11	7.8	8.5	18	14	15	17	17	16	17
15	4.5	6.2	9.2	7.8	9.1	14	16	14	17	17	16	25
16	4.3	11	8.7	7.7	8.8	13	22	14	16	17	15	19
17	4.2	8.5	8.4	7.6	8.4	13	19	14	16	16	15	17
18	4.2	7.6	8.2	7.6	8.3	12	17	13	16	17	15	17
19	5.0	7.2	8.1	7.7	8.0	12	16	14	18	17	15	16
20	4.6	7.0	7.9	7.4	8.0	12	16	14	16	16	15	16
21	4.3	8.0	7.7	7.3	8.0	12	15	15	16	22	15	16
22	4.2	7.0	12	7.2	7.8	12	15	14	15	23	15	15
23	4.4	6.6	12	7.1	7.9	11	16	14	15	20	15	15
24	11	7.0	9.9	8.0	11	11	16	15	15	19	15	15
25	7.9	13	9.2	9.0	9.4	11	15	14	21	18	14	15
26	6.5	9.9	8.9	8.4	8.8	11	15	14	17	17	14	15
27	6.1	8.8	9.1	8.3	8.5	11	14	13	16	23	14	15
28	5.7	8.6	11	8.1	13	11	14	13	15	21	14	15
29	5.5	9.6	12	7.9	13	15	14	14	15	19	13	15
30	5.2	8.5	9.6	7.9	---	15	14	19	15	19	13	15
31	5.1	---	9.1	8.3	---	14	---	24	---	18	16	---
TOTAL	158.7	215.1	285.8	251.0	258.0	364.3	446	456	534	583	484	479
MEAN	5.12	7.17	9.22	8.10	8.90	11.8	14.9	14.7	17.8	18.8	15.6	16.0
MAX	11	13	12	9.0	13	18	22	24	27	23	18	25
MIN	4.2	4.8	7.7	7.1	7.5	9.6	12	13	15	16	13	13

CAL YR 1983	TOTAL	2717.1	MEAN	7.44	MAX	21	MIN	1.7
WTR YR 1984	TOTAL	4514.9	MEAN	12.3	MAX	27	MIN	4.2

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 mi².

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.--6 years, 30.3 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 146 ft³/s Aug. 12, 1978, gage height, 2.78 ft from flood marks; minimum, 13 ft³/s Aug. 18-22, 1981, gage height, 1.88 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 90 ft³/s June 2, July 21, July 27; maximum gage height, 2.52 ft June 2; minimum discharge, 20 ft³/s Oct. 6, 7, 8, 9, 10, 11, 12, gage height, 2.06 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	22	29	34	28	36	41	40	56	51	44	35
2	23	22	29	33	28	34	39	40	75	49	43	34
3	22	22	30	31	28	33	37	40	63	48	43	37
4	21	27	37	31	35	32	36	45	54	51	42	54
5	21	24	37	31	34	34	50	41	51	45	48	42
6	21	23	35	31	33	38	44	40	49	45	45	38
7	21	23	35	30	31	34	42	39	48	59	44	36
8	20	22	33	29	30	32	42	42	47	55	43	36
9	21	22	32	29	29	33	42	49	46	49	41	34
10	21	28	31	29	29	32	40	43	45	47	41	33
11	21	35	30	31	29	32	39	42	44	46	41	32
12	23	30	31	29	29	32	38	41	42	45	41	34
13	24	28	34	28	29	36	38	40	42	44	40	34
14	23	27	38	27	28	60	40	42	44	42	40	37
15	21	27	34	27	30	44	46	40	43	41	39	58
16	21	44	32	27	30	41	68	40	41	42	39	43
17	21	35	31	27	29	39	53	39	41	41	38	39
18	21	33	31	27	28	37	48	38	42	43	38	37
19	24	32	30	27	28	36	47	38	49	42	36	36
20	22	31	29	26	28	36	44	39	43	40	36	36
21	22	34	29	26	27	36	43	42	41	59	35	35
22	21	31	41	26	27	36	43	40	39	58	36	35
23	22	31	40	27	27	35	44	41	38	49	36	35
24	43	31	36	30	37	34	45	45	39	47	36	35
25	32	50	35	31	31	34	43	43	56	44	35	35
26	28	40	35	30	30	34	42	43	45	43	35	35
27	25	37	35	29	29	34	41	42	42	64	35	34
28	24	33	38	29	44	34	41	42	41	54	35	36
29	24	34	39	28	41	46	40	41	41	48	35	35
30	23	31	34	28	---	46	40	53	40	47	34	35
31	23	---	34	29	---	43	---	71	---	45	35	---
TOTAL	722	909	1044	897	886	1143	1296	1321	1387	1483	1209	1115
MEAN	23.3	30.3	33.7	28.9	30.6	36.9	43.2	42.6	46.2	47.8	39.0	37.2
MAX	43	50	41	34	44	60	68	71	75	64	48	58
MIN	20	22	29	26	27	32	36	38	38	40	34	32

CAL YR 1983	TOTAL	11204	MEAN	30.7	MAX	72	MIN	19
WTR YR 1984	TOTAL	13412	MEAN	36.6	MAX	75	MIN	20

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 mi².

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. 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.--41 years, 38.9 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 263 ft³/s Oct. 16, 1955; minimum daily, 9.3 ft³/s Nov. 25, 27, 1982 (result of regulation).

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 103 ft³/s June 2; minimum daily, 21 ft³/s Oct. 15 (result of regulation).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	34	46	48	45	57	60	56	84	66	60	45
2	30	35	45	49	44	52	57	55	103	67	60	44
3	28	37	46	48	46	50	55	53	98	63	59	46
4	27	42	56	47	55	50	54	63	79	66	58	70
5	29	40	59	47	54	52	71	58	69	62	66	56
6	28	40	56	47	54	58	68	54	68	61	64	50
7	27	37	58	47	50	53	61	54	66	71	59	47
8	27	35	48	45	48	49	57	58	64	74	56	45
9	28	34	46	44	48	51	59	73	62	65	54	45
10	27	39	45	43	46	50	56	60	61	62	54	45
11	29	58	44	46	47	49	57	58	59	61	53	45
12	31	48	47	42	46	48	56	58	57	61	54	45
13	32	42	54	44	46	53	56	56	57	59	53	46
14	29	44	60	44	46	88	55	58	62	58	51	48
15	21	46	53	43	50	67	66	55	59	57	51	71
16	24	70	49	43	49	60	96	53	55	57	50	60
17	33	58	46	43	48	58	81	53	55	57	49	52
18	33	48	44	43	46	57	70	53	57	59	49	49
19	36	46	44	44	46	57	64	54	67	57	50	48
20	36	47	44	43	47	56	63	54	60	53	49	49
21	34	52	42	41	45	56	59	59	56	76	48	46
22	35	47	58	41	44	58	56	54	55	84	47	45
23	38	45	61	41	43	54	59	56	54	65	48	45
24	56	49	51	45	56	51	66	57	55	62	46	45
25	52	67	43	49	51	51	62	53	75	58	45	44
26	48	57	49	47	47	51	58	52	62	57	47	46
27	42	50	49	47	47	50	58	51	59	82	47	43
28	40	50	51	47	70	52	56	51	57	80	47	46
29	37	57	59	47	73	78	55	57	55	67	47	47
30	34	50	50	47	---	82	56	72	53	63	47	46
31	35	---	49	48	---	67	---	102	---	62	47	---
TOTAL	1036	1404	1552	1400	1437	1765	1847	1800	1923	1992	1615	1459
MEAN	33.4	46.8	50.1	45.2	49.6	56.9	61.6	58.1	64.1	64.3	52.1	48.6
MAX	56	70	61	49	73	88	96	102	103	84	66	71
MIN	21	34	42	41	43	48	54	51	53	53	45	43

CAL YR 1983 TOTAL 15908 MEAN 43.6 MAX 117 MIN 19
WTR YR 1984 TOTAL 19230 MEAN 52.5 MAX 103 MIN 21

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.

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)	ALKA-LINITY FIELD (MG/L AS CACO3)
DEC 20...	1400	30	88	--	1.0	8.3	7.0	2.5	9.0	1.4	--
APR 10...	1300	40	100	5.7	9.0	9.4	6.0	2.5	10	4.2	25
JUN 13...	1300	40	105	--	16.0	4.7	8.0	3.0	10	1.4	--
SEP 13...	1210	27	100	5.8	15.0	4.8	7.5	2.9	9.0	1.3	14

DATE	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)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)
DEC 20...	8.4	12	--	1.8	1.8	.010	.011	.080	.100	<.10
APR 10...	8.0	13	<.50	1.7	1.7	.008	.008	.140	.150	<.20
JUN 13...	9.0	15	<.50	1.7	1.8	.015	.022	.090	.090	.30
SEP 13...	10	13	<.50	1.9	1.9	.010	.010	.080	.070	.20

DATE	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	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 20...	<.10	.028	.012	.008	.010	200	100	110	100	<.02
APR 10...	<.20	.020	.016	.003	.004	200	200	100	100	.02
JUN 13...	.30	.015	.012	.004	.004	200	200	120	--	.05
SEP 13...	.20	.011	.009	.004	.004	200	200	90	--	.02

01307000 CHAMPLIN CREEK AT ISLIP, NY

LOCATION.--Lat 40°44'13", long 73°12'08", Suffolk County, Hydrologic Unit 02030202, on right bank just upstream from Long Island Railroad bridge, 220 ft 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 1983 TO SEPTEMBER 1984

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 20...	1300	155	--	6.0	5.6	12	3.0	23	3.0	--
APR 10...	1200	210	5.6	9.0	10.3	9.0	2.5	18	3.2	26
JUN 13...	1300	235	--	14.0	5.1	14	4.0	32	3.0	--
SEP 13...	1045	230	5.8	13.0	4.0	14	4.0	32	2.7	16

DATE	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	FLUORIDE, DISSOLVED (MG/L AS F)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)
DEC 20...	20	32	--	3.0	3.0	.020	.021	.710	.750	.60
APR 10...	19	39	<.50	3.2	3.2	.021	.023	.530	.540	.20
JUN 13...	19	51	<.50	3.3	3.3	.056	.057	.400	.400	.70
SEP 13...	19	56	<.50	3.5	3.6	.047	.048	.250	.260	.20

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	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 20...	.70	.021	.017	.006	.007	400	300	860	850	.03
APR 10...	.30	.012	.012	.003	.004	400	300	680	680	<.02
JUN 13...	.80	.026	.032	.011	.007	400	300	480	--	.02
SEP 13...	.30	.016	.012	.009	.010	200	200	500	--	.02

01307500 PENATAQUIT CREEK AT BAY SHORE, NY

LOCATION.--Lat 40°43'37", long 73°14'41", Suffolk County, Hydrologic Unit 02030202, on right bank just upstream from Union Avenue in Bay Shore, and 4,500 ft 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 1983 TO SEPTEMBER 1984

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 20...	1200	185	--	6.0	8.4	16	3.4	30	3.7	--
APR 10...	1100	250	5.6	10.0	9.2	14	3.4	27	3.9	37
JUN 13...	1100	255	--	14.0	5.9	17	4.0	33	3.5	--
SEP 11...	1420	240	5.9	16.0	7.2	16	3.8	29	3.3	24

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 20...	24	43	--	3.8	3.9	.010	.016	.940	.970	<.10
APR 10...	24	46	<.50	3.8	3.8	.019	.020	.890	.900	.90
JUN 13...	24	49	<.50	3.5	3.8	.048	.053	.830	.850	1.1
SEP 11...	22	45	<.50	4.0	4.0	.043	.044	.690	.700	.40

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	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 20...	<.10	.065	.003	.004	.004	1000	300	1700	1600	.03
APR 10...	.50	.019	.014	.002	.003	400	300	1100	1100	.04
JUN 13...	1.1	.020	.029	.004	.005	500	400	1200	--	.02
SEP 11...	.40	.027	.012	.004	.005	700	400	1200	--	.05

01308000 SAMPAWAMS CREEK AT BABYLON, NY

LOCATION.--Lat 40°42'15", long 73°18'52", Suffolk County, Hydrologic Unit 02030202, on left bank at upstream side of John Street Bridge in Babylon, 180 ft 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 October, July to September, which are fair. Flow regulated slightly by pumping operations at railroad and occasionally by ponds above station. Indeterminate effect caused by ground-water pumpage for water-supply purposes at Smith Street substation 0.2 mi northwest of gage. Prior to November 1950, slight diurnal fluctuation caused by power operations.

AVERAGE DISCHARGE.--40 years, 9.78 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 75 ft³/s(revised) and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Oct. 24	0800	75	1.52	July 3	1915	85	1.63
Feb. 28	1345	91	1.52	July 7	1130	*119	2.09
Mar. 3	2400	113	1.80	July 21	1530	95	1.85
Apr. 16	1230	111	1.77	July 27	1030	112	*2.12
June 25	0330	79	1.42				

Minimum discharge, 3.5 ft³/s Nov. 9, gage height, 0.22 ft; minimum gage height, 0.21 ft May 7 (result of regulation).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.6	5.0	10	12	10	15	20	19	27	24	15	15
2	8.8	5.0	9.8	12	10	14	19	18	43	18	15	15
3	8.0	5.4	12	12	11	13	18	18	29	25	15	19
4	7.6	7.6	24	12	14	13	18	16	22	20	20	29
5	7.6	5.7	14	12	13	17	33	8.5	21	16	27	18
6	7.2	5.4	15	12	12	18	23	5.6	21	16	21	16
7	6.8	5.4	13	12	11	15	20	4.5	20	42	19	14
8	6.4	5.4	12	12	11	14	19	9.1	19	26	18	14
9	6.4	5.4	11	12	10	14	19	24	19	18	17	14
10	6.4	16	11	12	11	14	19	19	18	16	16	14
11	6.1	12	11	12	11	14	18	18	18	16	16	14
12	12	10	12	12	10	13	18	17	17	16	16	14
13	6.8	8.6	18	12	10	25	18	16	22	15	16	13
14	6.8	7.9	21	11	10	42	21	14	22	15	16	16
15	6.8	9.2	14	11	12	21	24	13	17	15	16	24
16	6.4	21	13	11	11	19	64	13	17	16	16	16
17	6.4	11	12	11	10	18	18	13	17	15	16	13
18	6.4	9.0	12	11	9.9	18	22	13	18	19	16	13
19	9.2	8.3	12	11	9.9	18	22	13	28	16	16	13
20	6.4	8.0	11	11	10	17	22	14	19	15	16	13
21	6.1	12	11	10	9.6	20	21	17	17	34	17	12
22	5.7	8.7	27	10	9.2	19	20	15	16	26	17	12
23	7.6	8.2	18	10	10	17	23	22	16	16	17	12
24	26	11	15	13	20	16	23	19	18	15	16	12
25	12	27	13	14	13	16	22	16	38	14	16	12
26	8.4	13	12	12	12	16	21	15	20	14	16	12
27	6.4	11	12	12	11	16	21	15	16	41	16	12
28	6.1	12	21	11	32	16	21	15	16	23	16	13
29	5.7	13	17	11	20	34	20	17	16	17	16	12
30	5.4	11	14	11	---	25	20	36	19	15	16	12
31	5.4	---	13	11	---	21	---	46	---	15	16	---
TOTAL	240.9	298.2	440.8	358	353.6	568	667	518.7	626	609	522	438
MEAN	7.77	9.94	14.2	11.5	12.2	18.3	22.2	16.7	20.9	19.6	16.8	14.6
MAX	26	27	27	14	32	42	64	46	43	42	27	29
MIN	5.4	5.0	9.8	10	9.2	13	18	4.5	16	14	15	12

CAL YR 1983 TOTAL 4111.5 MEAN 11.3 MAX 50 MIN 4.1
WTR YR 1984 TOTAL 5640.2 MEAN 15.4 MAX 64 MIN 4.5

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 1983 TO SEPTEMBER 1984

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)	ALKA-LINITY FIELD (MG/L AS CACO3)
DEC											
20...	1100	11	165	6.4	5.0	8.0	14	3.0	22	4.0	--
APR											
10...	1000	19	195	5.5	9.0	8.1	14	3.0	22	4.3	45
JUN											
13...	1000	17	200	--	19.0	4.9	18	3.5	20	3.7	--
SEP											
11...	1300	15	175	5.7	19.0	6.2	12	2.8	18	3.6	18

DATE	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)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)
DEC										
20...	27	26	--	3.2	3.2	.015	.019	1.90	1.90	1.5
APR										
10...	26	28	<.50	2.9	3.0	.018	.023	1.90	1.90	1.9
JUN										
13...	25	27	<.50	2.5	2.6	.103	.105	1.40	1.40	2.0
SEP										
11...	26	25	<.50	3.5	3.4	.036	.036	.400	.410	.40

DATE	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	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										
20...	1.7	.018	.008	.005	.005	500	400	1500	1500	.07
APR										
10...	1.1	.018	.014	.006	.005	900	800	1400	1300	.04
JUN										
13...	1.8	.037	.026	.005	.006	1200	900	1100	--	.06
SEP										
11...	.30	.012	.006	.003	.005	500	400	300	--	.05

01308500 CARLLS RIVER AT BABYLON, NY

LOCATION.--Lat 40°42'31", long 73°19'44", Suffolk County, Hydrologic Unit 02030202, on left bank 130 ft 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 mi².

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.--40 years, 26.9 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 243 ft³/s Jan. 21, 1979, gage height, 2.26 ft; minimum, 0.05 ft³/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 ft³/s July 6, 1966.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 187 ft³/s Mar. 14, gage height, 1.95 ft; minimum, 15 ft³/s Oct. 9, 10, 11, 12, gage height, 0.56 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	20	30	33	29	43	50	38	69	54	39	24
2	25	20	29	32	28	40	47	37	102	46	37	24
3	20	20	34	32	28	37	45	37	78	51	36	26
4	18	26	55	32	41	36	43	60	62	59	49	61
5	17	22	49	31	37	41	84	45	56	43	72	35
6	17	20	41	31	35	52	62	38	52	46	53	32
7	16	19	42	30	31	40	51	36	50	91	47	25
8	16	18	34	29	29	36	47	41	48	65	48	24
9	16	18	32	28	29	37	45	60	46	49	39	25
10	15	28	31	29	29	34	43	41	44	46	37	25
11	15	51	30	33	29	34	42	37	41	44	35	29
12	24	29	33	28	29	33	41	37	39	43	34	27
13	31	24	42	27	28	43	40	36	42	40	34	24
14	22	23	66	27	28	132	45	40	50	36	34	22
15	19	24	43	27	33	61	59	35	41	35	32	47
16	17	61	37	26	31	51	124	34	37	37	32	31
17	17	36	34	26	29	47	72	33	36	35	31	27
18	17	29	33	27	28	45	59	32	36	42	30	26
19	24	27	32	27	27	44	53	33	53	38	29	25
20	22	26	30	26	27	43	50	34	40	34	29	25
21	25	33	29	26	26	45	48	48	35	74	29	24
22	22	27	64	26	26	48	46	35	34	78	28	23
23	20	25	58	26	27	41	50	40	33	48	29	22
24	68	28	42	26	58	38	56	52	33	43	28	22
25	37	75	37	38	36	38	47	37	78	39	27	22
26	28	43	35	35	31	37	43	34	45	36	26	23
27	25	34	35	33	29	35	41	34	39	92	26	22
28	23	33	46	31	80	37	40	34	36	63	26	28
29	21	42	53	30	66	80	39	38	38	47	26	21
30	20	33	37	29	---	71	39	75	40	44	26	22
31	20	---	34	32	---	54	---	110	---	41	26	---
TOTAL	704	914	1227	913	984	1453	1551	1321	1433	1539	1074	813
MEAN	22.7	30.5	39.6	29.5	33.9	46.9	51.7	42.6	47.8	49.6	34.6	27.1
MAX	68	75	66	38	80	132	124	110	102	92	72	61
MIN	15	18	29	26	26	33	39	32	33	34	26	21

CAL YR 1983	TOTAL	11001	MEAN	30.1	MAX	127	MIN	12
WTR YR 1984	TOTAL	13926	MEAN	38.0	MAX	132	MIN	15

01308500 CARLLS RIVER AT BABYLON, NY--Continued

WATER-QUALITY RECORDS

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)	ALKA-LINITY FIELD (MG/L AS CACO3)
DEC 20...	1000	30	140	7.2	1.0	11.8	13	2.8	25	3.9	33
APR 09...	0900	45	210	5.8	9.0	8.6	13	3.0	25	4.3	32
JUN 13...	0900	38	220	--	21.0	5.4	14	3.0	25	3.8	--
SEP 11...	1110	28	195	6.2	19.0	6.3	14	3.0	20	3.6	17

DATE	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)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N)
DEC 20...	27	29	--	3.1	3.2	.019	.021	1.70	1.70	1.8
APR 09...	26	33	<.50	3.0	3.0	.022	.026	1.60	1.70	1.3
JUN 13...	26	31	<.50	3.0	3.1	.090	.088	1.10	1.20	1.6
SEP 11...	28	29	<.50	3.4	3.4	.031	.032	.370	.390	.30

DATE	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	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 20...	1.0	.010	.010	.003	.004	400	300	1500	1500	.04
APR 09...	1.1	.027	.012	.003	.005	800	300	1500	1400	.03
JUN 13...	1.8	.028	.015	.002	.002	500	400	1400	--	.03
SEP 11...	.30	.012	.004	.002	.003	500	400	330	--	.02

01309000 SANTAPOGUE CREEK AT LINDENHURST, NY

LOCATION.--Lat 40°41'30", long 73°21'20", Suffolk County, Hydrologic Unit 02030202, on left bank just upstream from East Hoffman Avenue bridge, 1.0 mi 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 1983 TO SEPTEMBER 1984

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 20...	0900	220	6.9	3.0	9.0	22	4.5	35	7.6	108
APR 09...	0800	400	6.0	8.0	8.6	27	6.3	50	14	128
JUN 13...	0800	420	--	15.0	4.7	28	6.5	50	13	--
SEP 11...	1000	360	6.4	16.0	6.2	26	6.0	50	12	96

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 20...	34	47	--	1.5	1.7	.007	.012	3.60	3.60	3.5
APR 09...	28	68	<.50	1.3	1.3	.017	.022	6.50	6.50	8.4
JUN 13...	26	70	<.50	1.6	1.6	.086	.094	6.50	6.70	4.4
SEP 11...	27	67	<.50	1.6	1.7	.028	.028	6.00	5.90	6.3

DATE	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	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 20...	3.3	.099	.016	.003	.003	3000	1200	4000	3400	.07
APR 09...	8.2	.017	.016	.002	.007	800	500	5000	5000	.05
JUN 13...	--	.008	.004	.002	.002	700	500	5500	--	.05
SEP 11...	6.2	.032	.009	.003	.003	1100	800	3300	--	.04

01309500 MASSAPEQUA CREEK AT MASSAPEQUA, NY

LOCATION.--Lat 40°41'20", long 73°27'19", Nassau County, Hydrologic Unit 02030202, on left bank 3000 ft 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 mi².

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.--47 years (1937-84), 11.4 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 510 ft³/s July 29, 1980, gage height, 2.40 ft, from rating curve extended above 170 ft³/s; minimum, 0.95 ft³/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 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Nov. 10	2030	137	1.60	May 31	0730	115	1.52
Dec. 22	1430	120	1.54	June 2	1300	140	1.61
Feb. 28	1400	198	1.78	June 25	0230	112	1.51
Mar. 13	2400	*205	1.80	July 21	1615	191	1.76
Apr. 16	0545	137	1.60	July 27	1030	187	1.75

Minimum discharge, 4.0 ft³/s Oct. 7, 8, 9, 10, 11, 12, gage height, 0.68 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.9	4.9	9.0	12	9.0	16	23	18	38	43	20	10
2	19	4.9	8.6	12	8.6	14	21	17	78	24	20	9.5
3	5.8	5.4	11	12	8.6	14	20	18	41	27	19	14
4	5.4	9.0	32	12	16	13	21	31	35	22	20	28
5	4.9	5.4	14	11	13	20	58	19	32	20	26	13
6	4.9	5.4	15	11	11	19	27	18	30	24	20	11
7	4.4	4.9	14	11	10	14	24	17	29	42	29	11
8	4.0	4.9	11	11	9.5	13	22	21	28	24	22	10
9	4.0	4.9	10	10	9.0	13	21	23	26	21	18	10
10	4.0	32	9.5	11	9.0	12	21	18	24	20	17	9.5
11	4.0	17	9.0	12	9.5	12	20	17	23	23	17	9.5
12	28	8.6	12	10	9.0	12	20	18	21	21	16	9.0
13	9.5	7.7	45	9.5	8.6	31	19	17	26	18	16	8.6
14	6.3	6.7	27	9.5	8.6	62	33	19	27	17	16	11
15	5.8	9.7	15	9.5	10	23	37	16	22	16	15	20
16	5.4	27	13	9.5	9.0	20	70	16	20	21	14	11
17	4.9	9.5	12	9.0	8.6	20	32	15	20	16	14	9.5
18	4.9	8.1	12	9.0	8.6	18	28	14	20	25	14	9.0
19	8.7	7.7	11	9.0	8.1	17	26	14	30	18	13	9.0
20	5.4	7.7	11	8.6	8.1	16	24	15	20	16	13	9.0
21	4.9	11	11	8.6	8.1	25	23	21	18	63	12	8.6
22	4.9	7.7	46	8.6	8.1	19	22	15	17	28	12	8.1
23	8.2	7.2	17	8.6	8.6	16	30	31	16	23	12	8.1
24	37	11	15	13	28	15	26	21	20	21	12	8.1
25	8.6	34	13	14	12	15	22	16	48	20	11	8.1
26	7.7	12	12	11	10	14	20	16	21	18	11	8.1
27	6.7	11	11	11	9.5	14	20	15	19	68	11	7.7
28	6.3	12	27	10	69	16	19	16	20	30	11	9.5
29	5.8	19	17	9.5	20	48	19	17	20	25	11	8.6
30	5.4	9.5	13	9.5	---	31	19	76	36	23	11	8.1
31	5.4	---	13	10	---	25	---	80	---	21	12	---
TOTAL	249.1	325.8	496.1	322.4	365.1	617	787	685	825	798	485	314.6
MEAN	8.04	10.9	16.0	10.4	12.6	19.9	26.2	22.1	27.5	25.7	15.6	10.5
MAX	37	34	46	14	69	62	70	80	78	68	29	28
MIN	4.0	4.9	8.6	8.6	8.1	12	19	14	16	16	11	7.7

CAL YR 1983 TOTAL 3810.3 MEAN 10.4 MAX 93 MIN 2.6
WTR YR 1984 TOTAL 6270.1 MEAN 17.1 MAX 80 MIN 4.0

01309500 MASSAPEQUA CREEK AT MASSAPEQUA, NY--Continued

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	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)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)
NOV										
07...	1310	4.9	300	5.4	14.5	--	--	--	63	45
FEB										
22...	0930	8.1	325	6.0	6.0	--	--	--	65	61
MAY										
23...	0815	15	289	6.3	16.0	759	9.4	96	59	42
AUG										
16...	1245	13	277	6.8	25.5	--	--	--	55	35

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)
NOV										
07...	19	3.7	25	4.1	18	39	33	<.10	8.9	150
FEB										
22...	20	3.6	25	4.0	4.0	38	34	<.10	8.9	140
MAY										
23...	18	3.3	24	3.7	17	36	36	<.10	6.7	140
AUG										
16...	17	3.1	21	3.6	20	32	30	<.10	6.5	130

DATE	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
NOV										
07...	4.55	.050	1.20	.80	6.6	.030	<.010	450	1000	.08
FEB										
22...	4.88	.020	1.30	.20	6.4	<.010	<.010	330	770	.09
MAY										
23...	4.16	.040	1.00	.60	5.8	.030	<.010	540	860	.08
AUG										
16...	4.35	.050	.230	.67	5.3	.010	<.010	2300	260	.06

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 mi².

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.--47 years (1937-84), 10.3 ft³/s.

EXTREMES FOR PERIOD OF RECORD (1903 and SINCE 1937).--Maximum daily discharge, 162 ft³/s Sept. 12, 1960; maximum discharge prior to beginning of diversion in November 1955, 340 ft³/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 ft³/s Aug. 31, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 63 ft³/s May 30; minimum daily, 3.2 ft³/s Oct. 7, 10, 11.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	3.6	5.7	7.5	6.1	9.4	16	14	24	29	12	5.8
2	18	3.7	5.6	7.2	5.9	8.8	15	12	55	14	12	5.4
3	4.4	4.0	7.3	7.3	6.0	8.6	14	13	25	13	12	22
4	3.9	5.5	24	7.3	13	8.6	16	23	23	13	13	27
5	3.7	3.6	8.3	7.2	11	16	49	12	22	12	13	7.0
6	3.4	3.5	10	7.2	7.6	12	21	11	20	17	11	5.8
7	3.2	3.4	8.4	6.8	6.8	9.6	18	11	19	31	12	5.4
8	3.3	4.2	6.8	6.7	6.4	9.3	18	19	18	14	11	5.5
9	3.3	4.0	6.8	6.3	6.4	9.7	16	16	17	13	9.4	5.4
10	3.2	15	6.7	7.0	6.4	8.4	18	11	16	12	9.3	5.2
11	3.2	7.8	6.4	7.6	6.8	8.8	17	10	15	13	9.1	5.2
12	24	4.5	8.6	6.2	6.6	8.6	16	12	14	13	9.3	5.0
13	6.6	4.2	38	6.4	6.4	37	16	11	15	11	9.0	4.9
14	4.3	3.9	15	6.6	6.5	59	32	13	21	10	8.7	6.3
15	4.1	6.3	9.4	6.3	7.2	17	28	9.8	15	9.5	8.1	12
16	4.4	16	8.4	6.2	6.5	16	53	9.5	13	14	7.8	5.8
17	4.7	5.2	8.1	5.8	6.4	14	22	9.1	13	9.7	7.4	5.3
18	4.8	4.6	8.0	6.0	6.3	14	22	9.0	13	18	7.1	5.4
19	6.0	4.6	8.0	6.1	6.2	13	19	9.2	20	10	7.4	5.3
20	3.6	4.4	7.4	5.7	6.2	13	19	16	12	9.1	7.5	5.1
21	3.4	6.1	7.2	5.4	6.1	23	17	17	11	46	7.2	4.8
22	3.4	4.5	35	5.3	5.7	15	17	9.8	11	17	6.8	4.7
23	6.3	4.2	10	5.4	8.8	13	26	27	11	13	7.4	4.7
24	23	6.2	8.9	10	19	11	20	14	18	12	7.0	4.7
25	5.3	22	8.0	10	7.5	11	16	10	43	11	6.6	4.7
26	4.5	6.8	7.5	7.5	6.2	13	15	10	13	10	6.3	4.7
27	4.2	5.5	7.3	7.0	6.0	12	16	9.9	12	53	6.4	4.5
28	4.0	7.1	22	6.4	50	14	13	12	12	19	6.0	5.8
29	3.9	16	9.7	6.4	11	40	13	13	13	15	5.9	4.9
30	3.6	6.3	7.8	6.4	---	24	15	63	25	14	5.8	4.6
31	3.7	---	7.6	7.2	---	17	---	55	---	13	8.1	---
TOTAL	196.4	196.7	337.9	210.4	261.0	493.8	613	491.3	559	508.3	269.6	202.9
MEAN	6.34	6.56	10.9	6.79	9.00	15.9	20.4	15.8	18.6	16.4	8.70	6.76
MAX	24	22	38	10	50	59	53	63	55	53	13	27
MIN	3.2	3.4	5.6	5.3	5.7	8.4	13	9.0	11	9.1	5.8	4.5

CAL YR 1983 TOTAL 2535.4 MEAN 6.95 MAX 99 MIN 1.4
WTR YR 1984 TOTAL 4340.3 MEAN 11.9 MAX 63 MIN 3.2

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 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	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)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)
NOV										
07...	1230	2.4	358	5.6	12.0	--	--	--	67	40
FEB										
22...	1015	4.0	335	6.1	7.5	--	--	--	70	55
MAY										
23...	0930	6.3	307	6.7	18.0	759	6.8	72	64	41
AUG										
15...	1200	5.4	349	6.5	21.5	759	6.8	77	64	38

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)
NOV										
07...	21	3.6	32	4.0	27	38	47	<.10	8.7	170
FEB										
22...	22	3.7	34	3.7	15	36	51	<.10	8.5	170
MAY										
23...	20	3.3	30	3.5	23	35	46	<.10	6.9	160
AUG										
15...	20	3.4	29	3.5	26	35	42	<.10	7.7	160

DATE	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
NOV										
07...	4.65	.050	1.00	1.0	6.7	.010	<.010	380	780	.07
FEB										
22...	4.97	.030	.750	.45	6.2	<.010	<.010	450	300	.09
MAY										
23...	--	--	--	--	--	--	--	380	510	.09
AUG										
15...	4.57	.130	.290	1.1	6.1	.020	.020	710	240	.04

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 mi².

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.--47 years (1937-84), 14.7 ft³/s.

EXTREMES FOR PERIOD OF RECORD (1903 AND SINCE 1937).--Maximum discharge, 848 ft³/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 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Oct. 12	1930	256	1.74	June 25	0400	296	1.90
Dec. 13	unknown	333	2.04	June 30	1745	*718	3.23
Feb. 28	1345	304	1.93	July 7	1230	251	1.72
Mar. 14	0200	519	2.66	July 21	1200	263	1.77
May 23	2030	375	2.19	July 27	1115	301	1.92

Minimum discharge, 1.9 ft³/s Oct. 11, gage height, 0.21 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.3	3.2	10	11	8.9	14	21	19	32	92	21	12
2	45	3.0	8.4	12	7.6	12	19	19	102	38	20	12
3	5.1	3.1	13	10	9.0	12	18	19	34	31	21	26
4	3.6	9.0	41	11	22	11	21	39	27	28	20	50
5	3.2	3.8	13	10	20	25	116	20	25	26	24	16
6	3.9	3.2	17	9.7	13	23	30	19	24	34	19	13
7	2.8	3.1	12	10	9.3	14	24	18	24	82	19	13
8	2.5	2.9	9.2	9.3	9.0	13	22	24	24	30	18	13
9	2.4	3.0	7.6	9.0	9.0	13	21	25	24	25	17	13
10	2.2	26	7.4	10	7.9	13	20	18	22	24	18	12
11	2.2	17	7.0	11	9.9	13	20	17	21	32	18	11
12	53	5.8	19	9.0	8.5	11	20	21	19	30	20	10
13	14	4.4	90	9.2	7.5	46	20	20	26	23	18	9.6
14	4.9	3.6	40	8.4	8.5	132	52	25	35	22	17	13
15	3.6	5.5	15	9.5	11	30	41	17	24	21	17	32
16	3.2	56	13	8.5	7.9	20	90	16	19	26	16	13
17	3.0	9.4	11	8.1	8.2	18	29	16	19	22	16	11
18	2.7	6.8	11	9.1	7.7	17	25	15	20	46	16	10
19	9.5	5.7	10	8.2	7.0	16	23	15	37	23	15	9.8
20	3.5	4.9	10	7.6	8.0	16	22	23	19	21	16	10
21	2.8	17	10	7.8	7.3	27	22	34	18	85	14	10
22	2.7	5.9	90	7.5	6.6	17	21	16	17	35	14	9.8
23	5.2	4.8	20	7.7	9.4	17	31	80	17	25	16	9.8
24	88	8.2	16	22	44	15	26	34	26	22	14	9.8
25	10	57	13	18	13	15	21	19	95	20	13	9.2
26	6.5	12	11	12	10	15	20	18	25	19	13	8.2
27	5.0	8.3	10	11	9.9	14	19	18	22	96	12	7.9
28	4.1	11	40	9.6	97	18	19	19	20	30	12	13
29	3.6	56	18	10	22	62	19	30	20	24	13	9.8
30	3.5	11	13	8.4	---	40	19	123	191	22	13	9.3
31	3.3	---	11	11	---	26	---	108	---	22	18	---
TOTAL	312.3	370.6	616.6	315.6	419.1	735	871	904	1028	1076	518	406.2
MEAN	10.1	12.4	19.9	10.2	14.5	23.7	29.0	29.2	34.3	34.7	16.7	13.5
MAX	88	57	90	22	97	132	116	123	191	96	24	50
MIN	2.2	2.9	7.0	7.5	6.6	11	18	15	17	19	12	7.9

CAL YR 1983	TOTAL	4724.3	MEAN	12.9	MAX	149	MIN	1.2
WTR YR 1984	TOTAL	7572.4	MEAN	20.7	MAX	191	MIN	2.2

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 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	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)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)
NOV 07...	1130	3.0	490	5.8	12.0	--	--	--	60	29
FEB 22...	1045	6.4	340	6.1	8.0	--	--	--	82	53
MAY 23...	1030	15	399	7.0	17.5	759	5.7	60	65	33
AUG 15...	1115	16	420	6.8	22.0	759	8.0	92	70	33

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)
NOV 07...	17	4.3	68	2.7	31	30	100	<.10	7.0	250
FEB 22...	25	4.8	35	3.3	29	43	53	<.10	8.5	190
MAY 23...	19	4.3	44	2.6	32	30	74	<.10	5.8	200
AUG 15...	20	4.8	44	2.8	37	30	71	<.10	6.9	200

DATE	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
NOV 07...	2.17	.030	.230	.57	3.0	.030	<.010	480	360	.06
FEB 22...	4.76	.040	.620	.28	5.7	.020	.010	540	610	.10
MAY 23...	2.66	.040	.440	.76	3.9	.020	.020	--	--	.09
AUG 15...	3.06	.040	.170	.03	3.3	.020	.020	910	150	.03

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 mi².

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. 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.--47 years (1937-84), 3.79 ft³/s.

EXTREMES FOR PERIOD OF RECORD (SINCE 1936).--Maximum discharge, 660 ft³/s June 30, 1984, gage height, 5.11 ft; no flow part of Sept. 12, 1963, and at times from 1964 to 1975, 1977, 1980-84.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 200 ft³/s and maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)	Date	Time	Discharge (ft³/s)	Gage height (ft)
Dec. 22	1430	259	4.18	July 7	1100	228	4.08
May 23	1830	328	4.38	July 27	1015	212	4.03
June 30	1530	*660	5.11				

No flow for all or part of many days in October.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.5	.10	.31	1.2	.54	1.1	1.9	1.9	3.6	29	3.7	.24
2	7.5	.12	.28	1.2	.50	1.0	1.8	1.9	36	4.3	3.5	.21
3	.04	.17	1.1	1.2	.56	.94	1.7	1.9	3.6	4.6	3.5	12
4	.01	.35	20	1.2	6.2	.89	3.9	5.5	3.3	2.9	3.7	11
5	.03	.09	.66	1.2	4.7	7.6	50	2.0	3.3	3.2	3.7	1.9
6	.02	.08	2.8	1.2	.83	2.3	3.0	1.5	3.1	7.2	3.5	1.7
7	.00	.08	.67	1.1	.63	1.0	2.4	1.6	3.3	41	3.4	1.7
8	.00	.07	.40	1.1	.59	.96	2.2	4.8	3.2	3.9	3.2	.31
9	.00	.09	.41	1.0	.59	1.0	2.1	3.3	3.0	3.5	2.8	.33
10	.00	8.5	.39	1.4	.55	.94	2.1	1.5	2.6	3.3	2.8	3.0
11	.00	1.2	.39	1.0	.65	1.0	2.0	1.5	2.4	8.9	2.8	3.7
12	24	.11	3.6	.94	.55	1.4	2.0	2.6	2.5	3.5	2.7	3.8
13	.46	.10	24	.96	.54	30	2.0	1.8	10	3.1	2.7	3.7
14	.04	.11	2.8	1.0	.56	28	17	3.9	18	2.5	2.4	4.8
15	.02	3.0	.69	1.0	.91	1.7	5.7	1.4	14	2.8	2.2	8.8
16	.00	16	.60	.69	.60	1.5	39	1.3	13	5.5	2.4	.25
17	.00	.25	.56	.53	.58	1.4	2.9	1.3	12	3.9	2.2	2.0
18	.00	.20	.54	.51	.59	1.3	2.6	1.3	13	20	.72	2.0
19	1.8	.19	.52	.53	.58	1.3	2.4	1.3	22	3.9	1.1	2.0
20	.03	.33	.49	.49	.60	1.3	2.2	10	11	3.5	5.7	.68
21	.00	5.3	.45	.45	.59	6.4	2.2	6.3	2.1	38	3.2	.68
22	.00	.20	49	.44	.55	1.7	2.1	1.3	1.9	4.5	3.1	.21
23	2.5	.19	2.1	.44	3.0	1.4	6.2	43	1.7	3.8	3.3	.07
24	38	.86	1.5	5.2	15	1.4	3.0	3.9	8.8	3.6	2.4	1.3
25	.20	18	1.3	1.7	1.2	1.5	2.2	2.2	32	3.3	1.1	1.8
26	.14	.36	1.2	.76	.99	1.4	2.0	1.9	2.4	3.1	1.4	2.1
27	.11	.24	1.2	.73	.96	1.3	1.8	2.7	2.0	42	3.1	3.5
28	.09	1.5	17	.64	44	2.3	1.8	10	1.9	4.5	2.4	1.7
29	.08	24	1.9	.59	1.8	21	1.8	8.5	1.8	3.8	.17	.06
30	.09	.39	1.2	.57	---	8.5	1.9	61	115	3.9	.42	.06
31	.09	---	1.1	.78	---	2.2	---	44	---	3.9	3.6	---
TOTAL	81.75	82.18	139.16	31.75	89.94	135.73	173.9	237.1	352.5	274.9	82.91	75.60
MEAN	2.64	2.74	4.49	1.02	3.10	4.38	5.80	7.65	11.7	8.87	2.67	2.52
MAX	38	24	49	5.2	44	30	50	61	115	42	5.7	12
MIN	.00	.07	.28	.44	.50	.89	1.7	1.3	1.7	2.5	.17	.06

CAL YR 1983 TOTAL 1000.94 MEAN 2.74 MAX 85 MIN .00
WTR YR 1984 TOTAL 1757.42 MEAN 4.80 MAX 115 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 1983 TO SEPTEMBER 1984

DATE	TIME	STREAM-FLOW, INSTAN-TANEOUS (CFS)	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)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION)	HARD-NESS (MG/L AS CACO3)	HARD-NESS, NONCAR-BONATE (MG/L CACO3)
NOV 07...	1030	.08	230	6.2	9.5	--	--	--	73	14
FEB 22...	1140	.54	300	6.2	6.5	--	--	--	81	40
MAY 23...	1215	1.3	321	6.9	20.0	--	--	--	80	32
AUG 16...	1100	2.2	342	7.8	19.5	759	6.1	67	74	46

DATE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L)
NOV 07...	20	5.7	11	2.9	60	21	18	<.10	6.0	120
FEB 22...	23	5.7	20	3.6	41	38	32	<.10	8.7	160
MAY 23...	23	5.5	30	3.7	48	36	52	<.10	6.6	190
AUG 16...	22	4.6	24	3.7	28	48	38	<.10	8.1	170

DATE	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, ORGANIC TOTAL (MG/L AS N)	NITRO-GEN, TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	PHOS-PHORUS, ORTHO, TOTAL (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
NOV 07...	--	<.010	.400	--	.40	.050	.050	1000	20	.05
FEB 22...	1.76	.040	.310	1.6	3.7	.030	.030	660	520	.06
MAY 23...	1.37	.030	.060	1.3	2.8	.030	.020	640	200	.07
AUG 16...	--	<.010	.250	.25	4.4	.010	<.010	270	190	.03

01311500 VALLEY STREAM AT VALLEY STREAM, NY

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

DRAINAGE AREA.--About 4.5 mi².

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 ft³/s, which are fair. Flow regulated occasionally by cleaning operations at outlet of Valley Stream Pond above station.

AVERAGE DISCHARGE.--30 years (1954-84), 2.37 ft³/s.

EXTREMES FOR PERIOD OF RECORD (SINCE 1954).--Maximum discharge, 294 ft³/s June 30, 1984, gage height, 5.78 ft, from rating curve extended above 130 ft³/s; no flow at times each year since 1963.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 294 ft³/s June 30, gage height, 5.78 ft, from rating curve extended above 130 ft³/s; no flow for all or part of many days during year.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.08	.00	.00	.12	.00	.66	.98	1.2	2.4	21	.92	.19
2	8.1	.00	.00	.11	.00	.39	.98	1.2	34	3.0	.82	.17
3	.00	.00	.00	.12	.00	.34	.93	1.2	2.7	1.5	1.1	1.6
4	.00	.00	5.0	.10	1.6	.28	1.2	3.2	1.6	1.3	.84	8.7
5	.00	.00	.70	.09	1.9	1.9	42	1.4	1.4	1.3	.71	.51
6	.00	.00	.85	.07	1.2	2.3	4.4	1.1	1.2	2.4	.72	.17
7	.00	.00	.33	.02	.20	.49	1.8	1.1	1.2	21	.67	.07
8	.00	.00	.00	.00	.02	.38	1.5	1.6	1.2	2.6	.67	.06
9	.00	.00	.00	.00	.00	.49	1.4	2.1	1.1	1.3	.58	.10
10	.00	.04	.00	.00	.00	.36	1.4	1.1	1.1	1.2	.54	.84
11	.00	.00	.00	.00	.00	.36	1.2	1.0	1.1	2.1	.50	.12
12	4.9	.00	.00	.00	.00	.23	1.2	1.1	1.0	2.5	.59	.10
13	1.4	.00	16	.00	.00	12	1.3	1.0	1.3	1.0	.47	.00
14	.00	.00	5.8	.00	.00	38	9.4	1.9	1.6	.93	.63	.09
15	.00	1.2	.34	.00	.00	1.9	5.7	.99	.94	.93	.76	2.1
16	.00	4.9	.08	.00	.00	1.2	34	.91	.80	1.2	.60	.23
17	.00	.05	.00	.00	.00	.72	3.4	.83	.81	.88	.57	.05
18	.00	.00	.00	.00	.00	.59	2.0	.81	.81	9.7	.50	.00
19	.00	.00	.00	.00	.00	.76	1.7	.84	2.3	1.8	.43	.00
20	.00	.00	.00	.00	.00	.98	1.6	2.5	.87	.83	3.2	.00
21	.00	.02	.00	.00	.00	1.4	1.5	7.2	.69	16	.50	.00
22	.00	.00	35	.00	.00	1.4	1.5	1.1	.61	2.6	.41	.00
23	.00	.00	2.3	.00	.05	.64	2.6	50	.58	1.1	.48	.00
24	18	.00	.44	.00	9.0	.44	2.8	7.6	2.0	.88	.31	.00
25	.22	5.0	.22	.28	.57	.46	1.8	1.4	55	.77	.19	.00
26	.00	.00	.18	.15	.25	.30	1.7	1.2	1.2	.71	.26	.00
27	.00	.00	.18	.01	.01	.02	1.7	.89	.74	25	.29	.00
28	.00	.00	8.8	.00	23	.20	1.2	2.6	.60	2.3	.24	.00
29	.00	6.0	2.9	.00	2.9	11	1.2	8.6	.59	1.1	.17	.00
30	.00	.00	.42	.00	---	5.2	1.2	60	131	1.0	.19	.00
31	.00	---	.20	.00	---	1.7	---	50	---	.94	.81	---
TOTAL	32.70	17.21	79.74	1.07	40.70	87.09	135.29	217.67	252.44	130.87	19.67	15.10
MEAN	1.05	.57	2.57	.03	1.40	2.81	4.51	7.02	8.41	4.22	.63	.50
MAX	18	6.0	35	.28	23	38	42	60	131	25	3.2	8.7
MIN	.00	.00	.00	.00	.00	.02	.93	.81	.58	.71	.17	.00

CAL YR 1983 TOTAL 328.39 MEAN .90 MAX 44 MIN .00
WTR YR 1984 TOTAL 1029.55 MEAN 2.81 MAX 131 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 1984

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.	--	1953-84	11-30-83 2- 8-84	0.55 .91
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.	--	1953-84	11-30-83 2- 8-84	.20 .24
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.	--	1953-84	11-30-83 2- 8-84	1.0 1.0
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.	--	1953-84	11- 8-83 5-16-84 8-14-84	2.7 4.1 5.3
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.	--	1953-84	11- 8-83 5-16-84 8-14-84	.54 1.8 .71
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.	--	1977-84	11- 2-83 2-22-84 5-16-84 8-14-84	1.4 1.2 1.4 1.9
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.	--	1972-84	11- 1-83 5- 2-84 8- 6-84	.43 1.5 2.1
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 1979-84	11- 1-83 5- 2-84 8- 6-84	1.9 4.3 6.4
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.	--	1972-84	11- 1-83 5- 2-84 8- 6-84	2.4 5.4 8.1

Discharge measurements made at low-flow partial-record stations during water year 1984--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.	--	1953-84	11- 1-83 5- 2-84 8- 6-84	5.2 10. 11.
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.	--	1972-84	11- 1-83 5- 2-84	30. 25.
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.	--	1974-84	11- 1-83 5- 2-84 8- 6-84	54. 61. 83.
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.	--	1977-84	11- 2-83 2-22-84 5- 3-84 8- 3-84	1.8 2.7 1.5 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.	--	1977-84	11- 2-83 2-22-84 5- 3-84	.17 1.6 1.1
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.	--	1977-84	11- 2-83 2-22-84 5-22-84 8- 3-84	1.2 .34 .40 2.6
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.	--	1977-84	11- 2-83 2-21-84 5-22-84 8- 3-84	.15 .53 1.2 1.3
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.	--	1977-84	5-22-84 8- 3-84	1.1 .40
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 1951-84	5-15-84 8-17-84	17. 26.
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.	--	1976-84	5-15-84 8-17-84	86. 60.
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.	--	1952-84	11-14-83 2-22-84 5-15-84 8- 2-84	3.8 5.2 7.2 8.5
01304560	White Brook at Riverhead, N.Y.	Lat 40°54'40", long 72°38'37", Suffolk County, at culvert on State Highway 24, 1 mi southeast of Riverhead.	--	1953-69 1973-84	11-14-83 2-21-84 5-15-84 8- 3-84	2.2 4.5 5.6 2.4

Discharge measurements made at low-flow partial-record stations during water year 1984--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 1971-84	12- 8-83 2-21-84 5-11-84 8- 3-84	1.9 2.3 3.3 2.6
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.	--	1958-84	12- 8-83 2-21-84 5-11-84 8- 3-84	1.7 1.1 1.5 1.8
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 1973-84	12- 8-83 2-21-84 5-11-84 8- 3-84	1.2 1.0 3.1 1.7
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 1980-84	12- 8-83 5-11-84	4.7 7.0
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.	--	1974-84	12- 8-83 5-11-84 8-15-84	.75 3.4 1.4
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 1974-84	11-14-83 2-10-84 5-11-84 8- 2-84	1.2 2.4 2.8 6.2
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.	--	1959-84	11-14-83 2-22-84 5-11-84 8- 2-84	.99 2.9 3.0 1.3
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.	--	1953-84	11-14-83 2-10-84 5-11-84 8-15-84	1.3 2.9 1.8 1.3
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.	--	1974-84	11-14-83 2-10-84 5-11-84 8- 2-84	.56 1.5 1.2 .19
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 1973-84	11-14-83 2-10-84 5-11-84 8- 2-84	1.0 2.2 1.9 2.1
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.	--	1953-84	11-14-83 2-10-84 5-11-84 8- 2-84	3.7 6.5 5.8 8.0
01304900	Little Seatuck Creek at Eastport, N.Y.	Lat 40°49'12", long 72°44'23", Suffolk County, at culvert on Moriches Blvd., 0.75 mi southwest of Eastport.	--	1955-69 1974-84	11-14-83 2-10-84 5- 8-84 8- 2-84	2.0 4.8 2.3 2.0
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 1952-84	12- 8-83 2- 9-84 5- 8-84 8- 2-84	6.1 11. 11. 8.1

Discharge measurements made at low-flow partial-record stations during water year 1984--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.	--	1947-84	11- 9-83 5-15-84 8-16-84	1.4 4.7 5.4
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.	--	1973-84	11- 9-83 5-15-84 8-16-84	10. 22. 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.	--	1973-84	11- 9-83 5-15-85 8-16-84	16. 22. 16.
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.	--	1973-84	11- 9-83 5-15-84 8-16-84	49. 64. 102.
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 1971-84	11- 8-83 2- 5-84 2- 9-84 8- 2-84	4.6 2.4 2.5 4.9
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 1952-84	12- 2-83 6- 5-84 9-11-84	7.9 22. 17.
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‡ 1977-84	12- 2-83 2-21-84 6- 5-84 9-11-84	16. 14. 34. 26.
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.	--	1953-84	11- 8-83 2- 9-84 5- 8-84 8-15-84	2.6 5.7 9.0 6.3
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 1981-84	11- 2-83	.96
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 1973-84	2- 7-84	27.
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 1971-84	5- 8-84 8-15-84	31. 8.2
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‡ 1970-84	2- 7-84	4.1

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

Discharge measurements made at low-flow partial-record stations during water year 1984--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 1975-84	2- 7-84	3.6
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 1974-84	2-22-84	4.6
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.	--	1948-84	2-22-84 9-17-84	1.0 .81
01307500c/	Penataquit Creek at Bay Shore, N.Y.	Lat 40°43'37", long 73°14'41", Suffolk County, at Union Avenue, at Bayshore.	--	1945-76‡ 1977-84	2-21-84 7-13-84	4.3 7.6
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.	--	1958-84	2-22-84 9-17-84	2.1 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 1973-84	2- 3-84 9-13-84	1.8 5.7
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 1971-84	2- 3-84 9-13-84	2.8 5.8
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 1969-84	2- 3-84 9-13-84	6.9 9.2
01308600	Carlls River at Park Avenue, Babylon, N.Y.	Lat 40°42'06", long 73°19'43", Suffolk County, at culvert on Park Avenue, at Babylon, and 0.5 mi downstream from gaging station at Babylon.	--	1968-84	2-14-84	27.
01309000c/	Santapogue Creek at Lindenhurst, N.Y.	Lat 40°41'30", long 73°21'20", Suffolk County, at culvert on East Hoffman Avenue, 1 mi east of Long Island Railroad station at Lindenhurst.	--	1947-69‡ 1970-84	7-10-84 9-17-84	12. 2.9
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 1971-84	9-17-84	6.6

‡ 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 1984--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 1952-84	2-13-84 9-17-84	2.7 3.8
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 1971-84	11- 1-83 2-13-84 9-17-84	1.3 .87 1.2
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.	--	1953-84	11- 1-83 2-13-84 9-17-84	1.6 2.2 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 1971-84	11- 1-83 2- 9-84 5-22-84 9-18-84	4.1 3.2 5.9 4.6
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 1980-84	2- 2-84 5-16-84 9-12-84	.34 .90 .48
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 1973-84	2- 2-84 5-16-84 9-12-84	1.9 7.0 2.2
01309490	Massapequa Creek at North Massapequa, N.Y.	Lat 40°41'55", long 73°27'08", Nassau County, opposite Franklin Street, at North Massapequa, and 0.55 mi upstream from gaging station at Massapequa.	--	1962 1964 1973-84	2- 2-84 5-16-84 9-12-84	4.4 14. 6.4
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.	--	1953-84	11- 1-83 2- 9-84	1.0 4.9
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 1983-84	2- 9-84	2.8
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.	--	1973-84	2- 3-84 5-22-84 9-12-84	.28 1.2 .35
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.	--	1973-84	2- 3-84 5-22-84 9-12-84	3.5 3.0 3.0
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.	--	1963-84	11- 1-83 2- 9-84 5-22-84 9-18-84	.26 .51 .52 .24

Discharge measurements made at low-flow partial-record stations during water year 1984--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 1965-84	11- 1-83 2- 9-84 5-22-84 9-18-84	3.6 7.4 8.0 4.5
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.	--	1973-84	2- 2-84 9-12-84	.38 1.0
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.	--	1973-84	2- 2-84 9-12-84	1.9 3.6
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.	--	1973-84	2- 2-84 9-12-84	4.1 5.6
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.	--	1953-84	11- 1-83 2-13-84	2.0 4.4
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 1983-84	2-13-84	1.5
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.	--	1953-84	2- 8-84 5-16-84	1.7 6.6
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.	--	1954-84	2- 8-84 5-16-84 9-18-84	1.2 .93 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.	--	1953-84	11- 1-83 2- 8-84 5-16-84	0 .08 0

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 14 to 18 ft.
DATUM.--Land-surface datum is 21 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, which has a period of record from June 1935 to September 1978 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--September 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.38 ft NGVD, Sept. 23, 1980; lowest measured, 4.47 ft NGVD, June 24, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 5	5.27	MAR 16	5.65	JUN 27	5.96						

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, diameter 24 in, depth 120 ft, screened 73 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 from 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 5	9.59	MAR 16	11.11	JUN 28	11.49						

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, diameter 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 from December 1949 to September 1978 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 5.73 ft NGVD, Jan. 5, 1984; lowest measured, 3.01 ft NGVD, Dec. 13, 1949.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 5	5.73	MAR 19	5.31	JUN 26	5.07						

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, diameter 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 5	8.63	MAR 19	8.39	JUN 26	8.72						

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.
PERIOD OF RECORD.--April 1980 to current year. Unpublished records from 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 5	4.16	MAR 19	4.18	JUN 26	4.32						

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 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.15 ft below land-surface datum.
PERIOD OF RECORD.--June 1981 to current year. Unpublished records from June 1981 to September 1982 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.65 ft NGVD, Jan. 5, 1984; lowest measured, 3.35 ft NGVD, Dec. 21, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 5	6.65	MAR 20	5.02	JUN 26	4.65						

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.
PERIOD OF RECORD.--April 1981 to current year. Unpublished records from April 1981 to September 1982 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.71 ft NGVD, Jan. 5, 1984; lowest measured, 5.09 ft NGVD, June 29, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 5	6.71	MAR 16	6.33	JUN 28	6.64						

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.

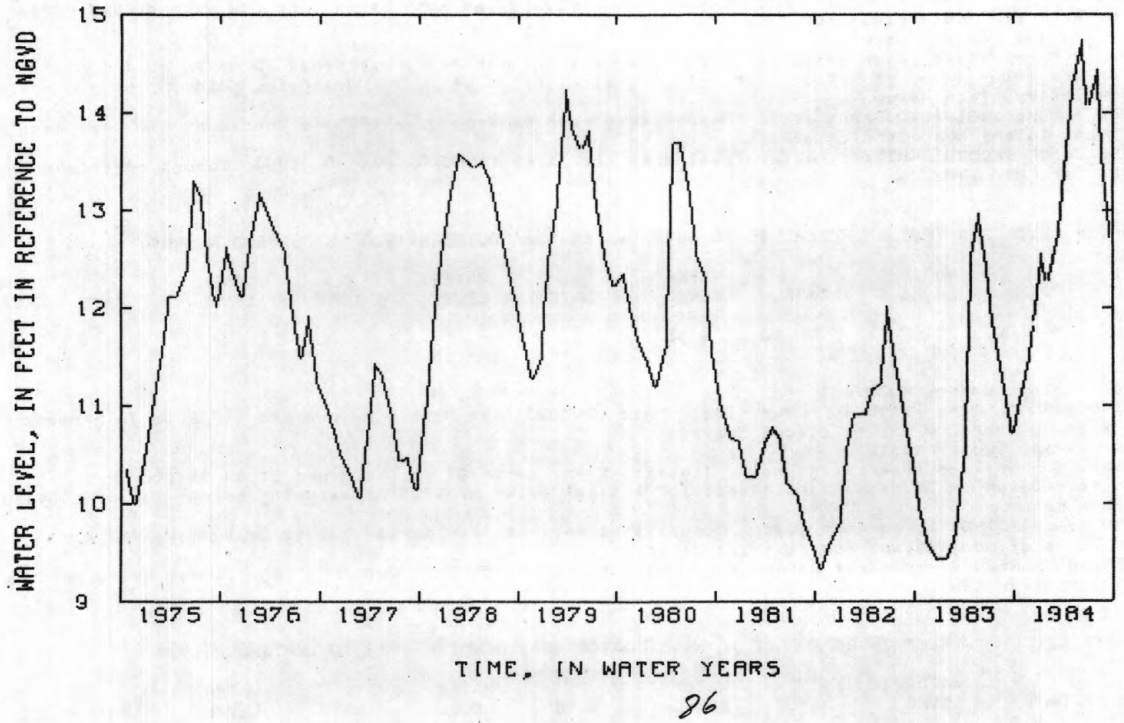
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 21	7.65	MAR 20	8.66	JUN 15	8.78	SEP 13	7.95				

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 from 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	11.09	JAN 6	12.55	MAR 7	12.70	JUN 8	14.73	JUL 31	14.44	SEP 24	12.70
NOV 21	11.44	30	12.26	MAY 3	14.32	29	14.06	AUG 27	13.46		



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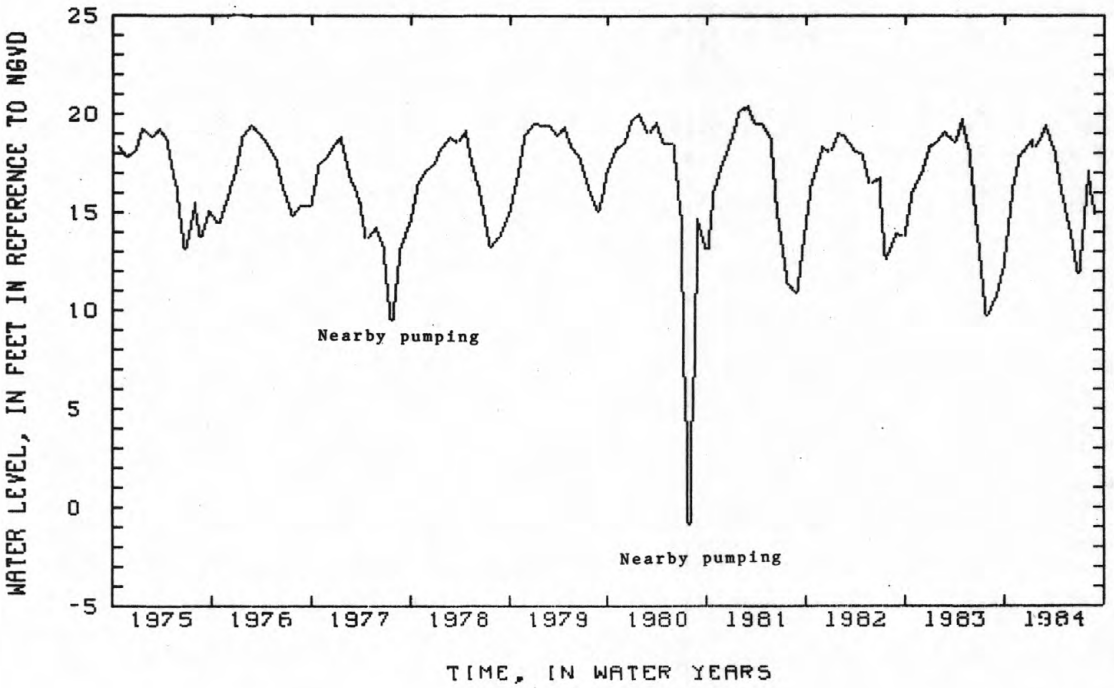
NASSAU COUNTY--Continued

404931073382101. Local number, N 110.1
LOCATION.--Lat 40°49'31", long 73°38'21", Hydrologic Unit 02030201, at Scudders Lane & 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 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4 inch nipple, 0.64 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	16.30	JAN 5	18.64	FEB 2	18.57	MAR 31	18.05	MAY 30	14.10	JUL 31	17.10
NOV 22	17.71	16	18.22	29	19.45	APR 30	15.80	JUN 29	11.90	AUG 31	14.81



NASSAU COUNTY--Continued

404030073293703. 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 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 14.69 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 21	16.45	MAR 20	16.99	JUN 11	13.51	SEP 12	14.11				

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 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, which has a period of record from October 1937 to March 1963.
PERIOD OF RECORD.--March 1963 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 47.02 ft NGVD, Apr. 24, 1963; lowest measured, 28.90 ft NGVD, Jan. 19, 1983.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 5	32.81	APR 4	34.16	JUN 14	35.42	SEP 17	35.73				

404039073420001. 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 31 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.80 ft below land-surface datum.
PERIOD OF RECORD.--October 1936 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.81 ft NGVD, Sept. 28, 1938; lowest measured, 5.78 ft NGVD, Sept. 15, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

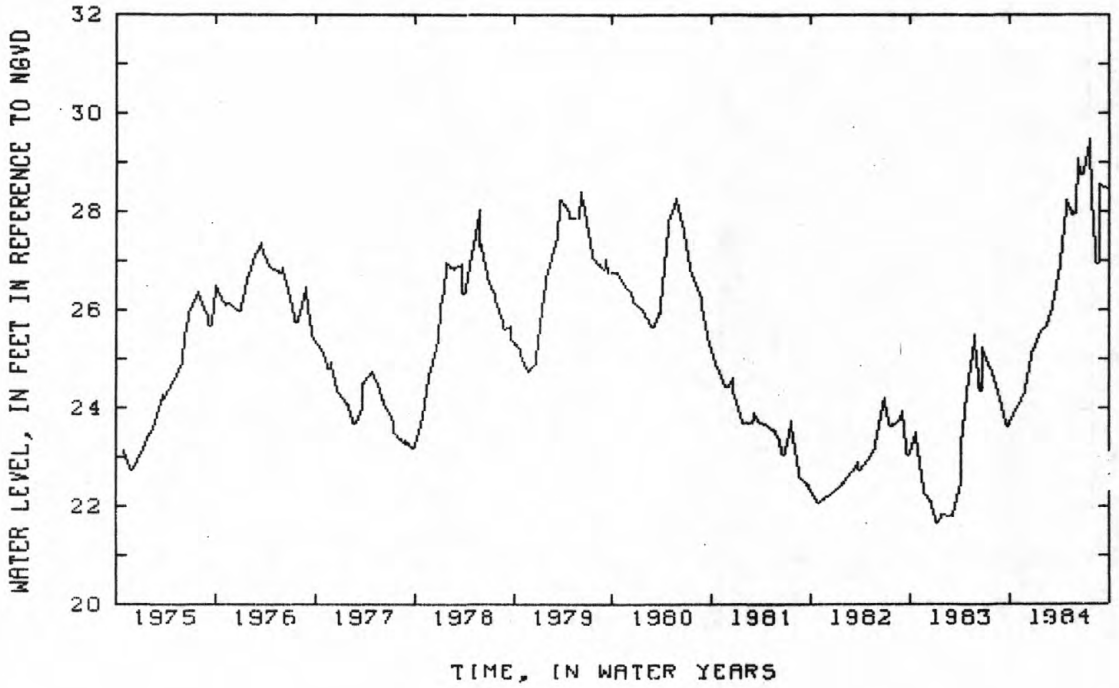
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 21	9.80	MAR 20	11.38	APR 24	13.18 Q	JUN 15	11.04	SEP 13	10.32		

Q 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 51 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.46 ft below land-surface datum.
REMARKS.--Replaced well N 1129.1 in October 1966 at same location, which has a period of record from August 1937 to October 1966 (unpublished).
PERIOD OF RECORD.--October 1966 to current year. Unpublished records from October 1966 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.46 ft NGVD, July 23, 1984; lowest measured, 21.67 ft NGVD, Jan. 5, 1983.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	23.97	JAN 23	25.58	MAR 26	26.80	JUN 7	29.06	JUL 23	29.46	AUG 27	28.56
NOV 21	24.28	FEB 10	25.63	APR 23	28.24	20	28.73	AUG 17	26.92	SEP 24	28.47
DEC 19	25.13	MAR 1	25.97	MAY 23	27.94						



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 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 0.54 ft below land-surface datum.
REMARKS.--Replaced well N 1212.1 in July 1942, which has a period of record from May 1941 to October 1941.
PERIOD OF RECORD.--July 1942 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 1983 TO SEPTEMBER 1984

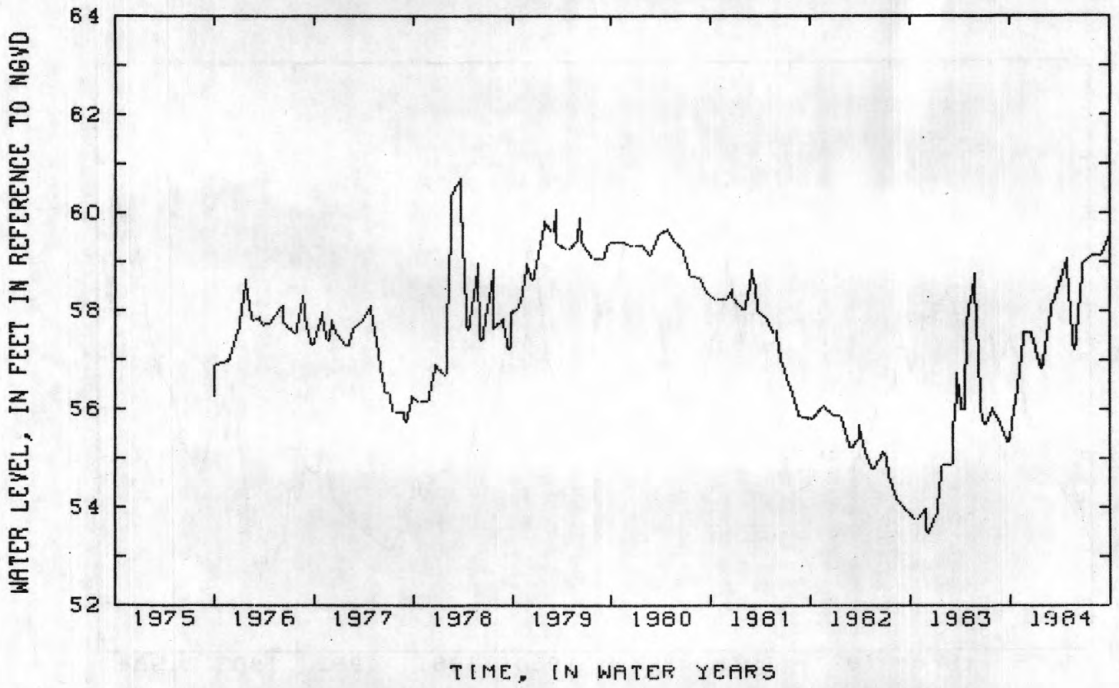
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 6	86.19	APR 10	88.17	JUN 14	89.21	SEP 17	89.75				

NASSAU COUNTY--Continued

405027073272602. Local number, N 1243.5
LOCATION.--Lat 40°50'26", 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 64 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.08 ft below land-surface datum.
REMARKS.---Replaced well N 1243.4 in September 1975 at same location, records from November 1939 to September 1975 (unpublished) and are available in files of Long Islsnd Sub-district office.
PERIOD OF RECORD.--September 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 60.70 ft NGVD, Mar. 21, 1978; lowest measured, 53.50 ft NGVD, Dec. 2, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	56.31	DEC 19	57.58	MAR 1	58.11	MAY 23	57.26	JUL 23	59.10	SEP 24	59.50
NOV 21	57.57	JAN 23	56.88	APR 24	59.07	JUN 20	58.96	AUG 27	59.14		



404704073264201. Local number, N 1246.1
LOCATION.--Lat 40°47'03", long 73°26'42", Hydrologic Unit 02030202, at Round Swamp & 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 185 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.17 ft above land-surface datum.
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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 6	79.91	APR 10	82.28	APR 27	81.45 G	JUN 14	82.75	SEP 17	83.06		

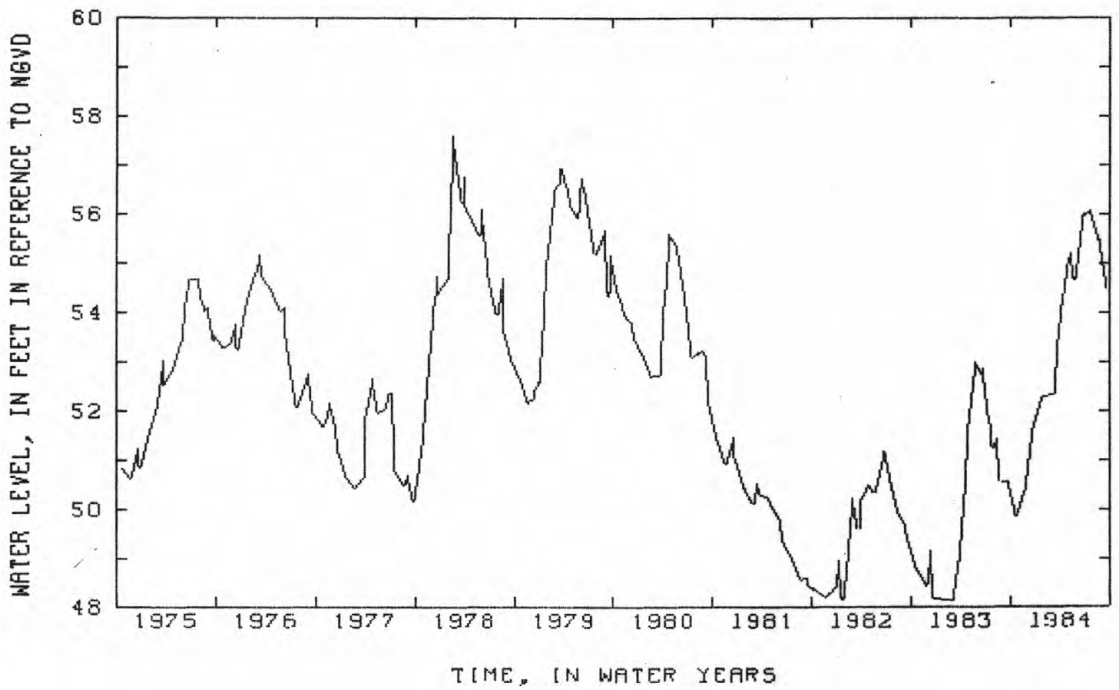
G MEASUREMENT BY ANOTHER AGENCY

404317073291105. Local number, N 1259.5
LOCATION.--Lat 40°43'16", long 73°29'10", 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 1259.4 in June 1961 at same location, records from January 1909 to June 1961 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--June 1961 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	49.90	JAN 23	52.28	MAR 22	53.42	MAY 7	55.19 G	JUN 20	55.97	AUG 27	55.43
NOV 21	50.38	MAR 2	52.33	APR 23	54.98	23	54.68	JUL 23	56.08	SEP 24	54.48
DEC 19	51.64										

G MEASUREMENT BY ANOTHER AGENCY



404302073295705. 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 (water table).
WELL CHARACTERISTICS.--Driven observation well, diameter 1.25 in, depth 35 ft, screened 32 to 35 ft.
DATUM.--Land-surface datum is 67 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.41 ft below land-surface datum.
REMARKS.--Replaced well N 1263.3 in December 1952 at same loccation, unpublished records from June 1936 to December 1952 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--December 1952 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 57.74 ft NGVD, Mar. 21, 1978; lowest measured, 44.01 ft NGVD, Aug. 25, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	49.15	JAN 23	50.86	MAR 22	52.35	MAY 7	53.97 G	JUN 20	54.28	AUG 27	54.45
NOV 21	49.25	MAR 2	51.42	APR 23	53.84	23	53.29	JUL 23	54.51	SEP 24	52.64
DEC 19	50.78										

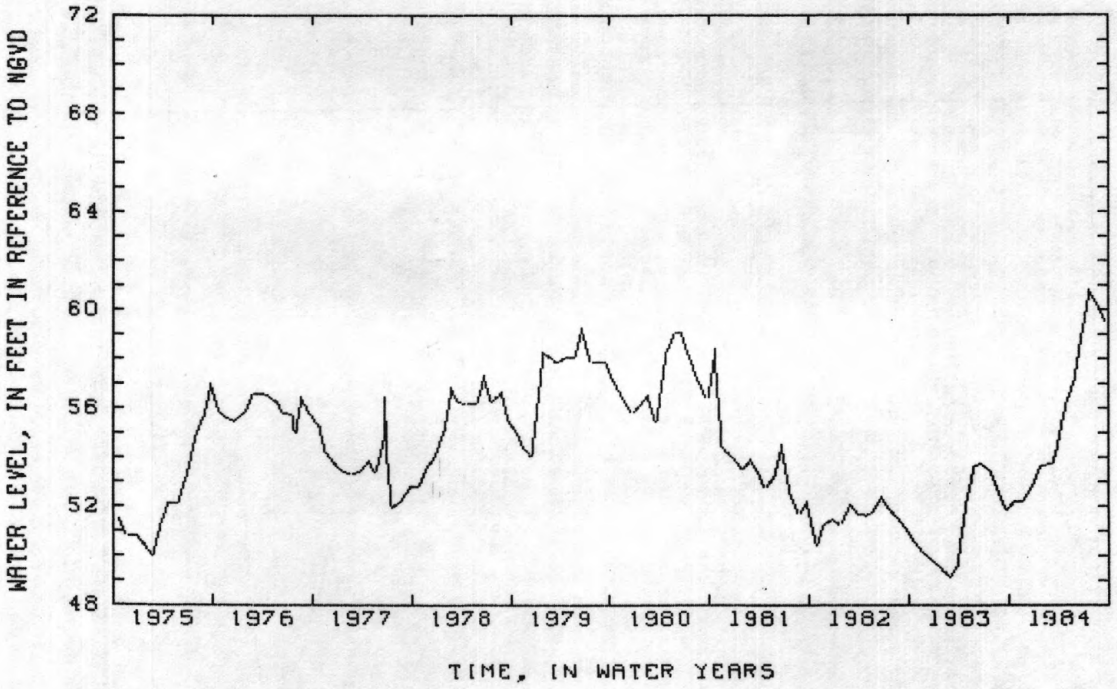
G MEASUREMENT BY ANOTHER AGENCY

NASSAU COUNTY--Continued

404446073392904. Local number, N 1614.4
LOCATION. --Lat 40°44'46", long 73°39'29", Hydrologic Unit 02030202, at Herricks Road and Sally Place, Mineola.
Owner: Nassau County Department of Public Works.
AQUIFER. --Upper Glacial (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, unpublished records from December 1933 to September 1975 are available in files of Long Island Sub-district office.
PERIOD OF RECORD. --April 1966 to current year.
EXTREMES FOR PERIOD OF RECORD. --Highest water level measured, 60.78 ft NGVD, July 23, 1984; lowest measured, 48.42 ft NGVD, Dec. 21, 1970.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	52.17	DEC 19	52.73	MAR 2	53.72	APR 23	56.20	JUN 20	58.98	AUG 27	60.15
NOV 21	52.19	JAN 23	53.60	22	54.26	MAY 23	57.06	JUL 23	60.78	SEP 24	59.44

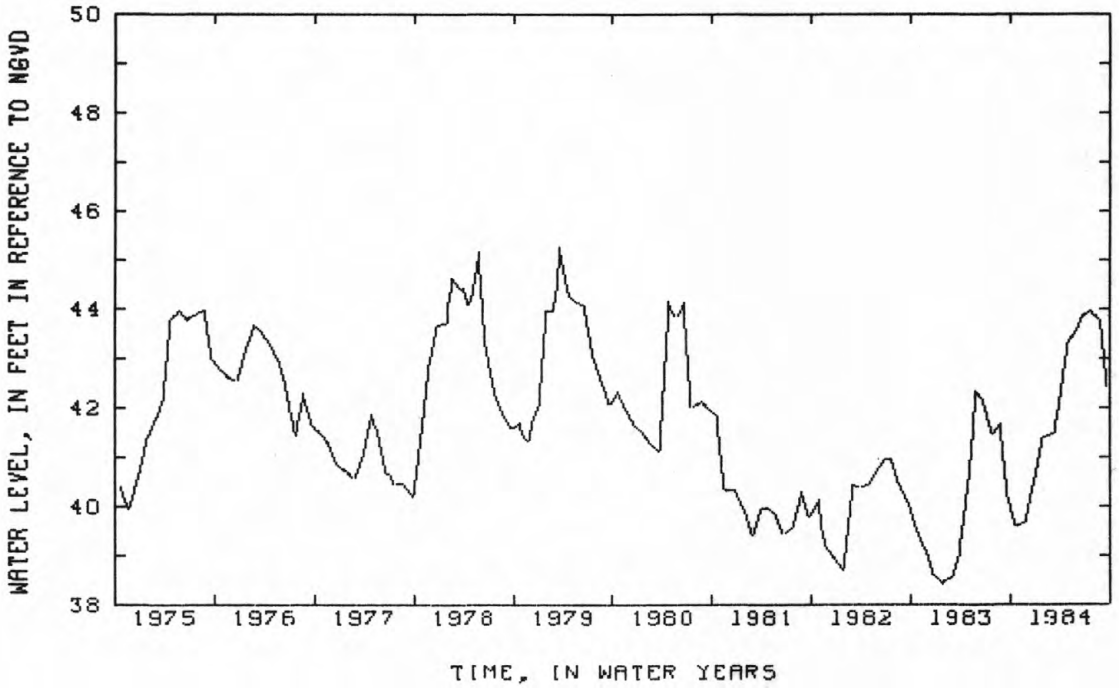


NASSAU COUNTY--Continued

404210073340703. 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.--Replaced well N 1615.1 in August 1966 at same location, which has a period of record from March 1913 to August 1966 (unpublished).
PERIOD OF RECORD.--August 1966 to current year. Unpublished records from August 1966 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 45.27 ft NGVD, Mar. 19, 1979; lowest measured, 37.88 ft NGVD, Aug. 25, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	39.60	JAN 23	41.37	MAR 22	41.95	MAY 23	43.53	JUL 23	43.97	AUG 30	43.56
NOV 21	39.67	MAR 2	41.47	APR 23	43.29	JUN 20	43.87	AUG 27	43.77	SEP 24	42.40
DEC 19	40.40										

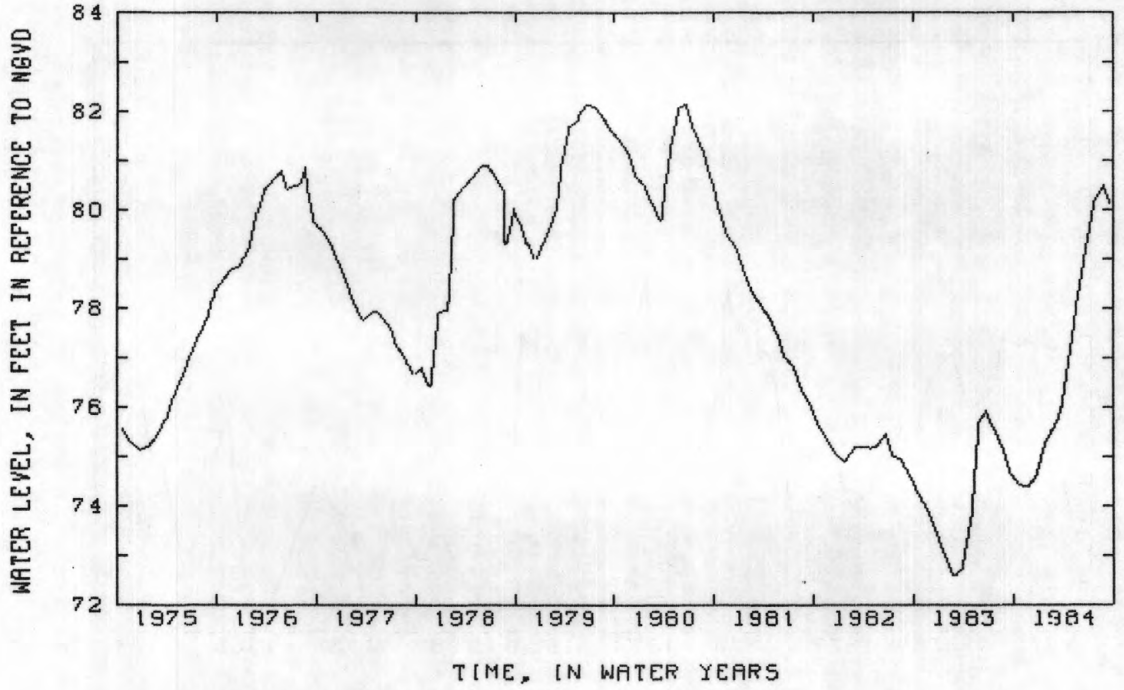


NASSAU COUNTY--Continued

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.--Replaced well N 1616.1 in October 1965 at same location, it was previously screened in Upper Glacial Aquifer, which has a period of record from March 1913 to October 1965.
PERIOD OF RECORD.--October 1965 to current year. Unpublished record from October 1965 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 82.14 ft NGVD, June 20, 1980; lowest measured, 68.28 ft NGVD, Feb. 28, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	74.43	DEC 19	74.61	MAR 2	75.73	APR 23	77.28	JUN 20	79.30	AUG 27	80.50
NOV 21	74.36	JAN 23	75.30	22	75.98	MAY 23	78.33	JUL 23	80.18	SEP 24	80.10



405101073343401. 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.
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.

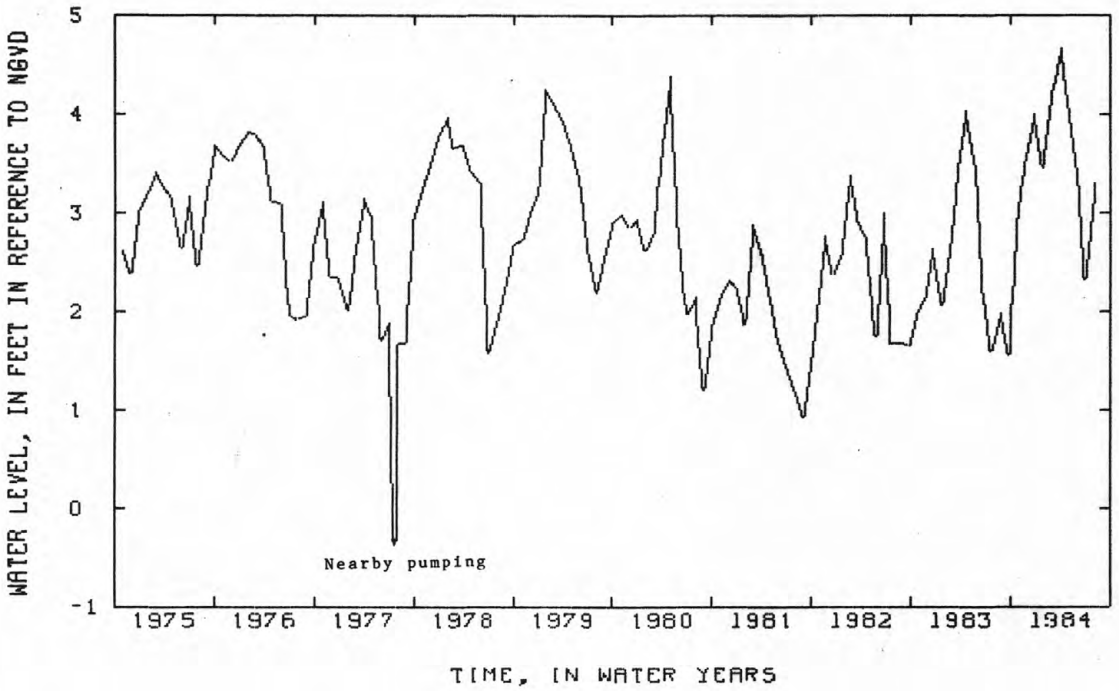
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 4	68.44	APR 4	69.14	JUN 15	72.18	SEP 13	73.59				

403805073395301. 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.
PERIOD OF RECORD.--December 1949 to current year. Unpublished records from 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	2.93	DEC 22	4.00	FEB 29	4.23	APR 30	4.05	JUN 29	2.33	JUL 31	3.30
NOV 20	3.51	JAN 21	3.48	MAR 31	4.66	MAY 30	3.45				



404619073270602. 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 - 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.
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 1983 TO SEPTEMBER 1984

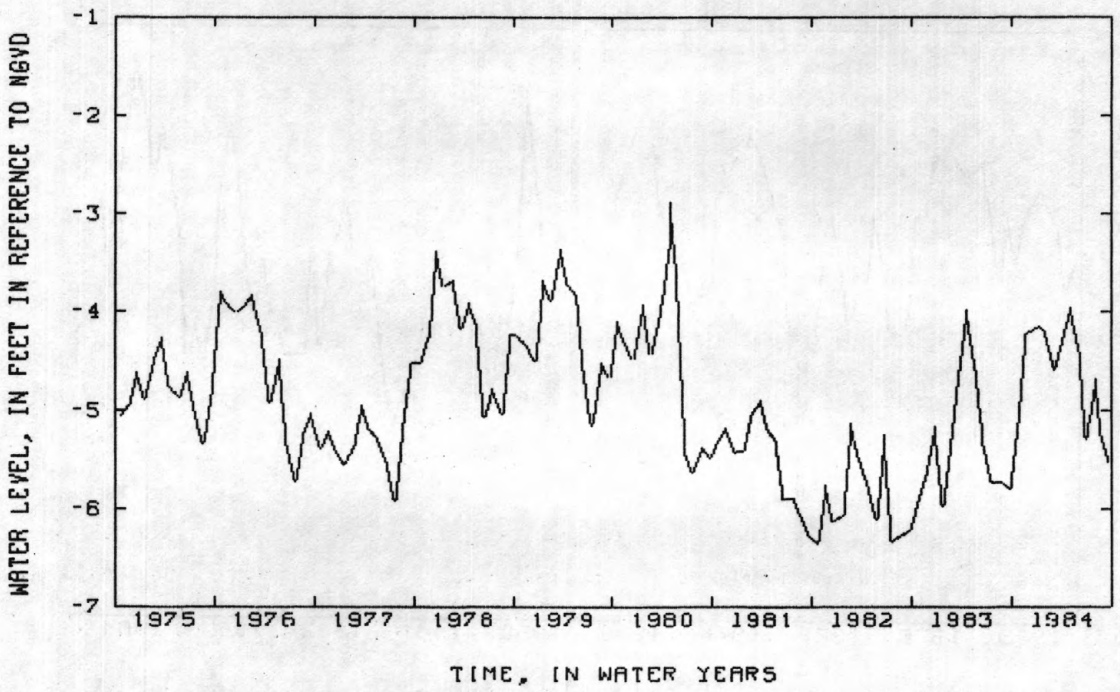
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 6	31.23	JAN 24	31.25	MAR 20	28.17	JUN 14	28.25	SEP 17	29.07		

NASSAU COUNTY--Continued

403751073440201. 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.
PERIOD OF RECORD.--April 1952 to current year. Unpublished records from 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 1983 TO SEPTEMBER 1984

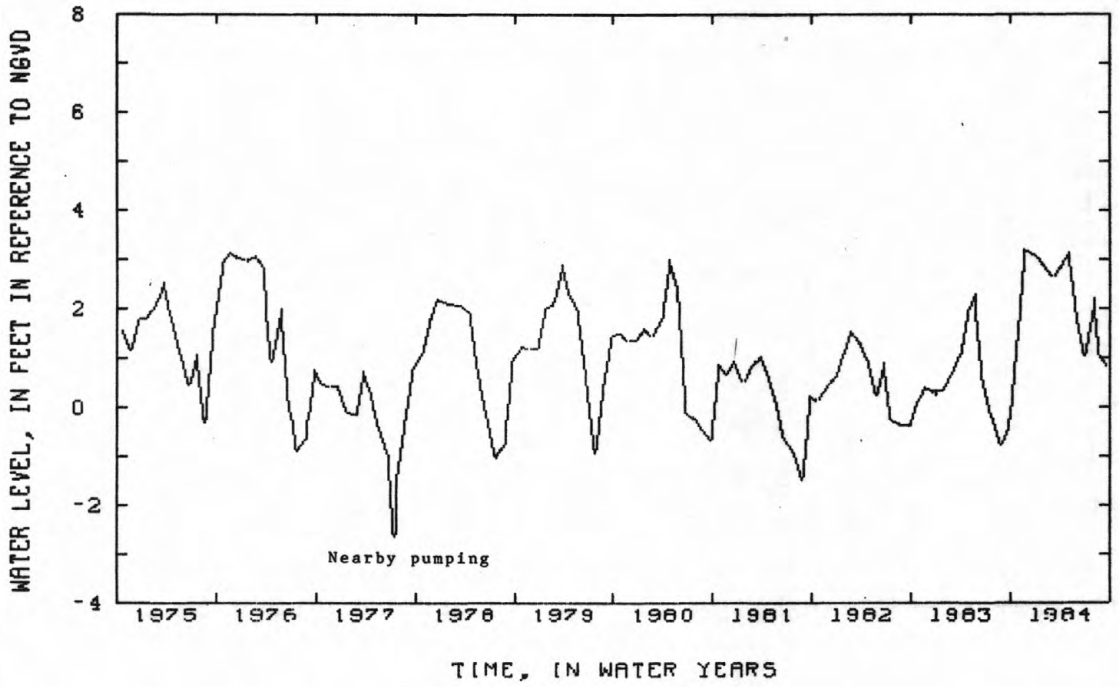
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	-5.13	JAN 6	-4.15	MAR 2	-4.57	JUN 8	-4.42	JUL 31	-4.69	SEP 24	-5.54
NOV 21	-4.23	31	-4.20	MAY 3	-3.97	29	-5.29	AUG 27	-5.27		



403911073432701. Local number, N 3867.2
LOCATION. --lat 40°39'12", long 73°43'20", 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.
PERIOD OF RECORD. --December 1952 to current year. Unpublished records from 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	1.33	JAN 6	3.05	MAR 2	2.63	JUN 8	1.66	JUL 31	2.20	SEP 24	0.81
NOV 21	3.21	31	2.86	MAY 3	3.13	29	1.07	AUG 27	1.04		

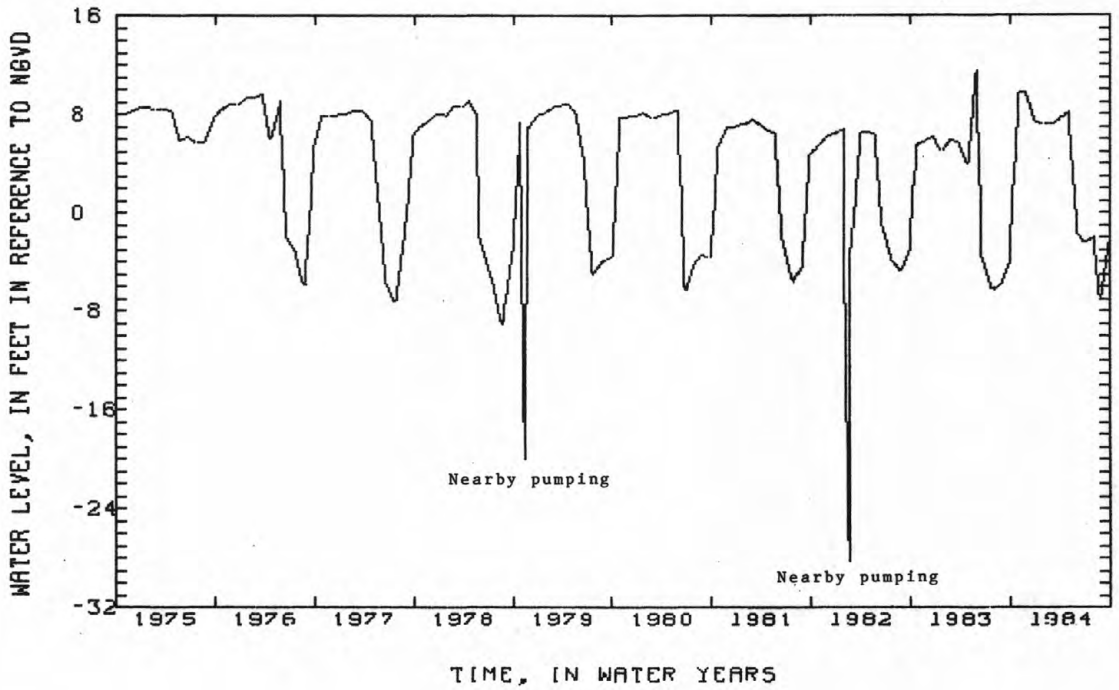


NASSAU COUNTY--Continued

405125073420702. Local number, N 6282.2
LOCATION.--Lat 40°51'25", long 73°42'07", Hydrologic Unit 02030201, at Helen Keller National Center for Deaf-Blind Youths and Adults, Middle Neck Road, Sands Point. Owner: U.S. Geological Survey.
AQUIFER.--Port Washington (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.
PERIOD OF RECORD.--August 1957 to current year. Unpublished records from 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 measured -28.36 ft NGVD, Feb. 17, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	9.59	JAN 4	7.34	MAR 6	7.18	JUN 8	-1.86	JUL 31	-1.94	SEP 24	-2.48
NOV 23	9.76	30	7.09	MAY 2	8.20	29	-2.47	AUG 27	-6.82		



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 from 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 ft NGVD, Apr. 22, 1980.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 4	67.56	APR 4	69.22	JUN 15	72.55	SEP 13	72.83				

NASSAU COUNTY--Continued

403517073430702. 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.
PERIOD OF RECORD.--August 1959 to current year. Unpublished records from 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, -6.58 ft NGVD, Nov. 30, 1972.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	-4.08	JAN 5	-4.27	MAR 2	-4.59	JUN 8	-4.02	JUL 31	-4.60	SEP 24	-4.79
NOV 22	-4.19	31	-4.14	MAY 3	-4.25	29	-4.94	AUG 27	-4.69		

403713073415902. 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.
PERIOD OF RECORD.--October 1959 to current year. Unpublished records from 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	1.91	JAN 5	2.78	MAR 2	2.45	JUN 8	2.69	JUL 31	2.09	SEP 24	1.07
NOV 21	3.27	31	2.75	MAY 3	2.94	29	1.22	AUG 27	1.19		

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.
PERIOD OF RECORD.--June 1960 to current year. Unpublished records from 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	5.72	JAN 5	5.58	MAR 2	4.99	JUN 8	5.54	JUL 31	4.79	SEP 24	4.79
NOV 22	5.50	31	5.85	MAY 3	5.29	29	4.84	AUG 27	4.40		

NASSAU COUNTY--Continued

405432073345001. 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.
PERIOD OF RECORD. --September 1961 to current year. Unpublished records from 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.

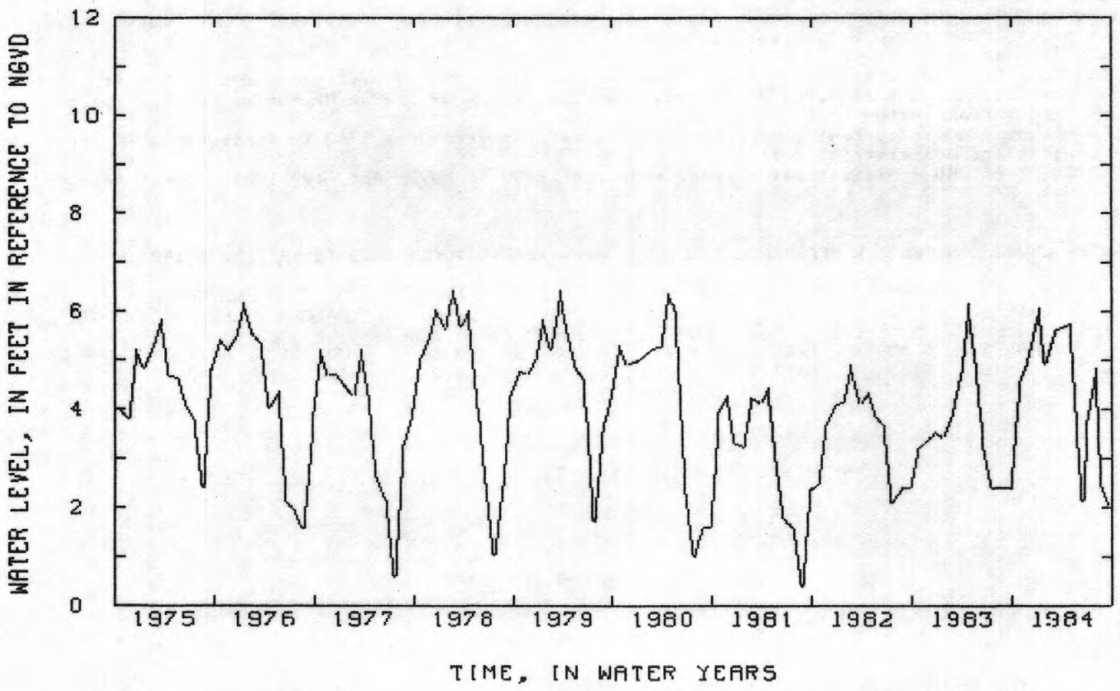
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	7.55	JAN 6	7.80	MAR 3	9.69	JUN 8	6.48	JUL 31	7.33	SEP 24	5.59
NOV 22	7.44	30	6.83	MAY 2	8.98	29	6.17	AUG 27	1.89		

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.
PERIOD OF RECORD. --October 1961 to current year. Unpublished records from 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	4.57	JAN 6	6.08	MAR 7	5.59	JUN 11	2.15	JUL 31	4.85	SEP 24	2.04
NOV 21	4.87	30	4.95	MAY 3	5.74	29	3.76	AUG 27	2.39		

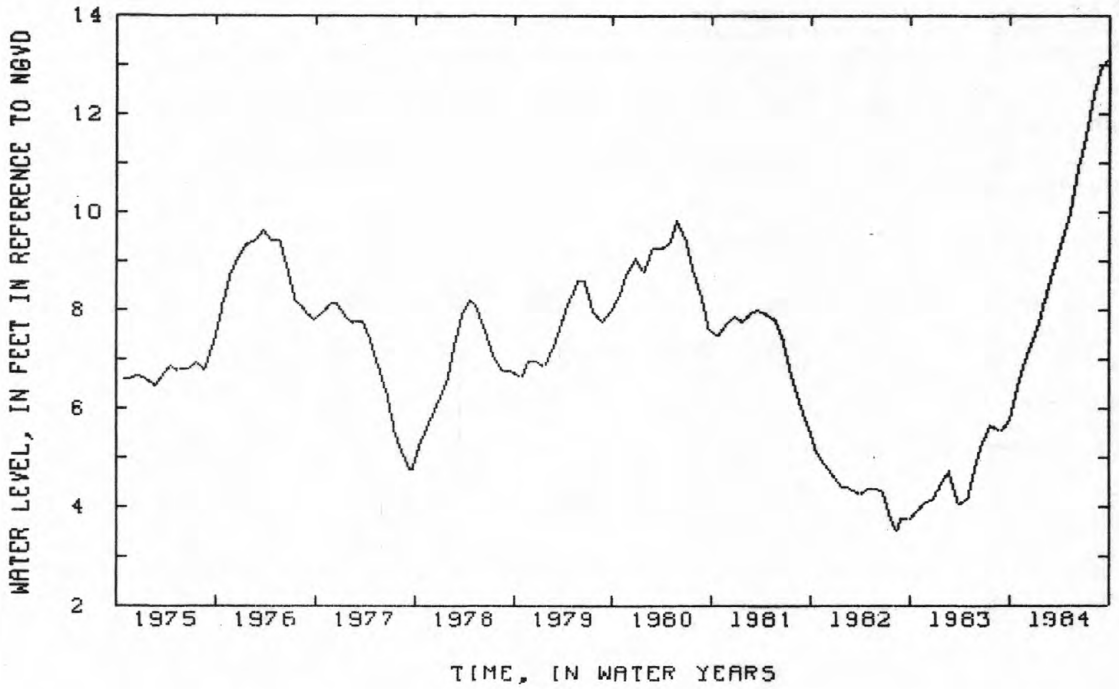


NASSAU COUNTY--Continued

404237073433701. 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.
PERIOD OF RECORD.--April 1964 to current year. Unpublished records from 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	6.51	JAN 6	7.67	MAR 6	8.82	JUN 8	10.98	JUL 31	12.48	SEP 24	13.11
NOV 22	6.89	30	8.10	MAY 3	9.91	29	11.44	AUG 27	12.89		



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 from 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	10.68	NOV 22	9.90	JAN 6	10.01	JAN 30	9.15	MAR 3	9.50	MAY 2	9.01

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.
PERIOD OF RECORD.--June 1966 to current year. Unpublished records from 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.

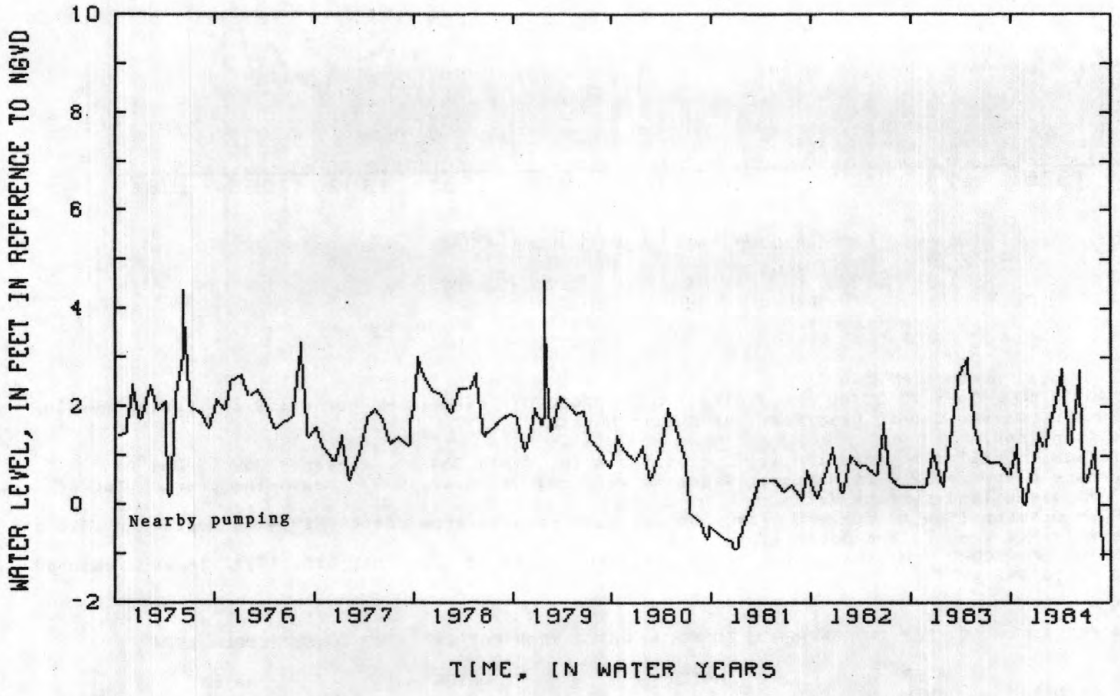
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	1.48	JAN 5	1.81	MAR 7	1.90	MAY 2	1.35	JUN 29	0.56	JUL 31	1.08
NOV 21	1.45	FEB 2	1.38	APR 3	2.25	JUN 4	2.07				

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.
PERIOD OF RECORD.--February 1966 to current year. Unpublished records from 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, -1.13 ft NGVD, Sept. 6, 1984.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	1.25	JAN 5	1.48	MAR 7	2.02	MAY 2	1.23	JUN 29	0.47	SEP 6	-1.13
NOV 21	0.04	FEB 2	1.17	APR 3	2.76	JUN 4	2.75	JUL 31	1.18		



403805073395305. 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.
PERIOD OF RECORD.--March 1966 to current year. Unpublished records from March 1966 to September 1975 are availabl 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	1.74	JAN 5	1.75	MAR 7	2.17	MAY 2	1.66	JUN 29	0.76	JUL 31	1.28
NOV 21	1.95	FEB 2	1.68	APR 3	2.45	JUN 4	2.26				

403803073395306. 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.
PERIOD OF RECORD.--November 1966 to current year. Unpublished records from 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	3.00	JAN 5	3.85	MAR 7	3.71	JUN 4	4.01	JUN 29	4.75	JUL 31	3.14
NOV 21	3.74	FEB 2	3.34	APR 3	4.11						

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 49f 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, 4.1 ft above land-surface datum.
PERIOD OF RECORD.--May 1966 to current year. Unpublished records from 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 0.21 ft NGVD, July 18, 19, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

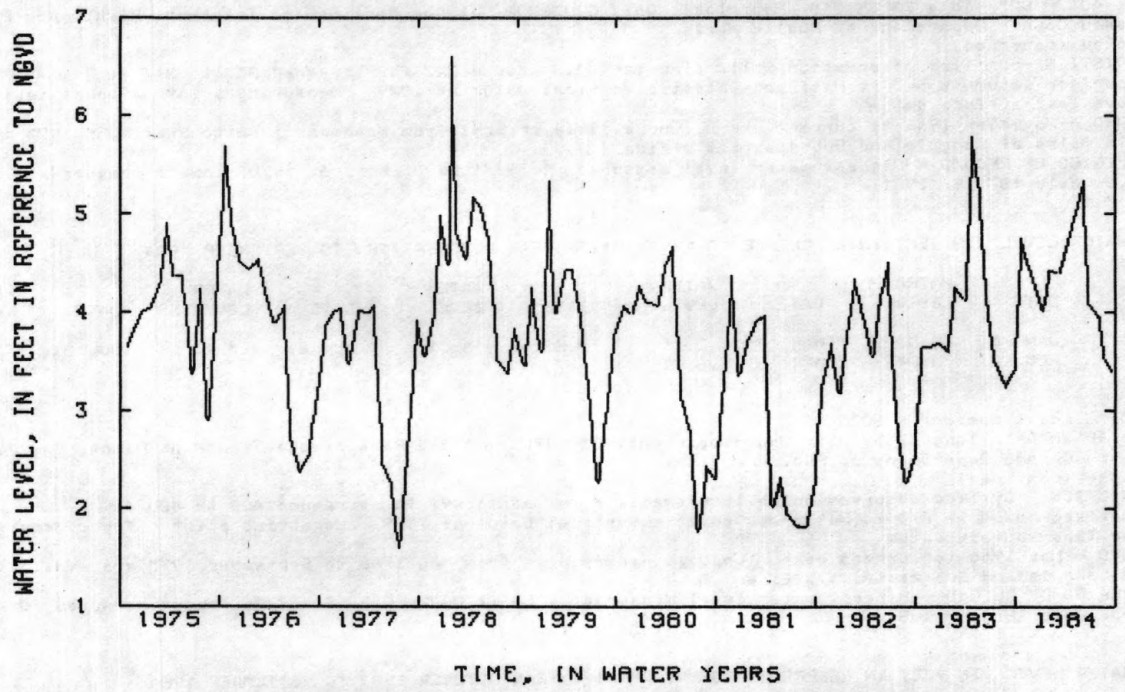
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	3.03	JAN 5	3.94	MAR 7	3.85	MAY 2	3.87	JUN 29	2.57	JUL 31	3.36
NOV 21	3.80	FEB 2	3.44	APR 3	4.30	JUN 4	4.24				

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 oO Public Works.
AQUIFER.--Port Washington (confined). Previously reported as Jameco Aquifer.
WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in, depth 189 Ot, screened 184 to 189 ft.
DATUM.--Land-surface datum is 9.3 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.4f ft above land-surface datum.
PERIOD OF RECORD.--May 1966 to current year. Unpublished records from 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	4.75	JAN 10	4.01	MAR 6	4.39	JUN 8	5.34	JUL 31	3.93	SEP 24	3.38
NOV 22	4.47	31	4.42	MAY 2	4.97	29	4.07	AUG 27	3.51		



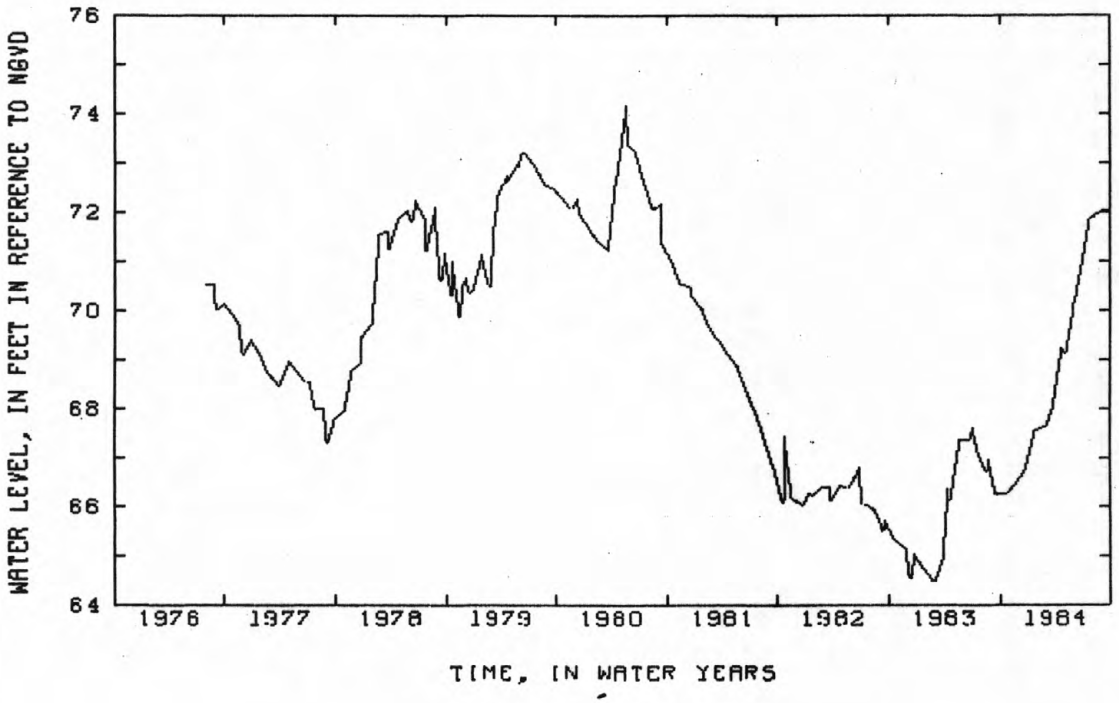
NASSAU COUNTY--Continued

404535073370002. Local number, N 8269.2
Location.--Lat 40°45'35", long 73°37'00, Hydrologic Unit 02030202, at Hillside Avenue and Bacon Road, Old Westbury. Owner: Nassau County Department of Public Works.
AQUIFER--Magothy (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 screened in Upper Glacial Aquifer. Well N 1258.1 was replaced by well N 8269.1 in April 1967, which was replaced by well N 8269.2 in June 1976.
PERIOD OF RECORD.--June 1976 to current year. Unpublished records from June 1936 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 74.18 ft NGVD, May 21, 1980; lowest measured, 64.46 ft NGVD Feb. 25, 1983.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	66.27	JAN 23	67.53	MAR 22	67.96	MAY 1	69.12 Q	JUN 20	70.70	AUG 27	72.00
NOV 21	66.42	MAR 2	67.65	APR 23	69.25	23	69.82	JUL 23	71.85	SEP 24	72.05
DEC 19	66.72										

Q MEASUREMENT BY ANOTHER AGENCY

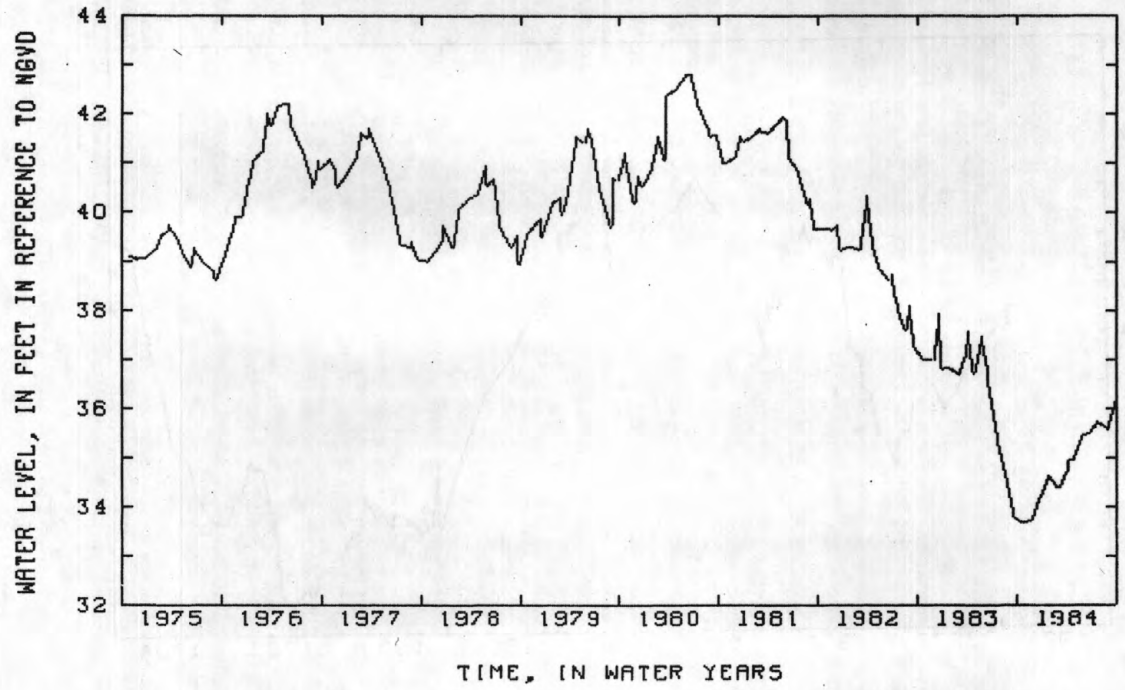


404742073410301. Local number, N 8309.1
LOCATION.--Lat 40°47'42", long 73°41'03", Hydrologic Unit 02030201, at Northern Boulevard and Manhasset Woods Road, Munsey Park. Owner: Nassau County Department of Public Works.
AQUIFER.--Magothy (water table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 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, unpublished records from March 1940 to March 1967 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--March 1967 to current year.
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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	33.62	JAN 23	34.62	APR 3	34.95	APR 23	35.05 G	JUN 20	35.50	AUG 27	35.60
NOV 21	33.71	MAR 1	34.37	23	34.96	MAY 23	35.45	JUL 23	35.75	SEP 24	36.15
DEC 19	34.18	26	34.70								

G MEASUREMENT BY ANOTHER AGENCY



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 from 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.

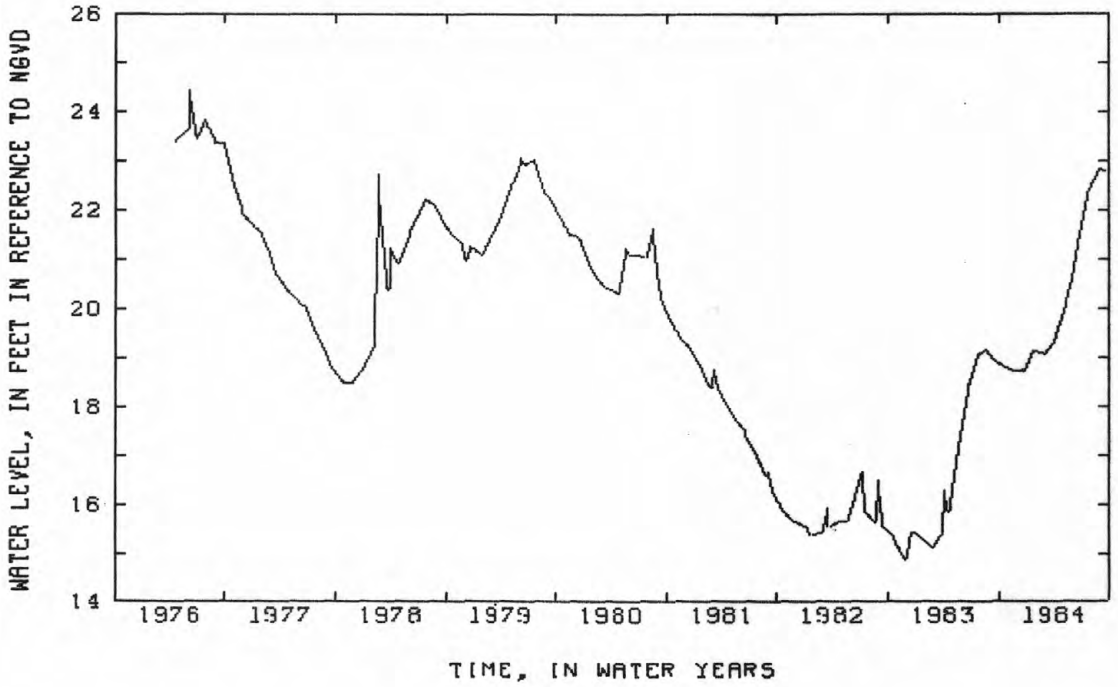
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	67.80	NOV 23	67.78	JAN 6	71.29	JAN 31	66.66	MAR 7	66.36	MAY 3	68.80
31	67.63										

404757073440401. 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, which has a period of record from September 1944 to February 1976 unpublished and are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--February 1976 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.45 ft NGVD, June 7, 1976; lowest measured, 14.90 ft above NGVD, Nov. 26, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	18.79	DEC 19	18.69	MAR 1	19.08	APR 23	19.74	JUN 20	21.39	AUG 27	22.85
NOV 21	18.75	JAN 23	19.13	26	19.26	MAY 23	20.51	JUL 23	22.36	SEP 24	22.78

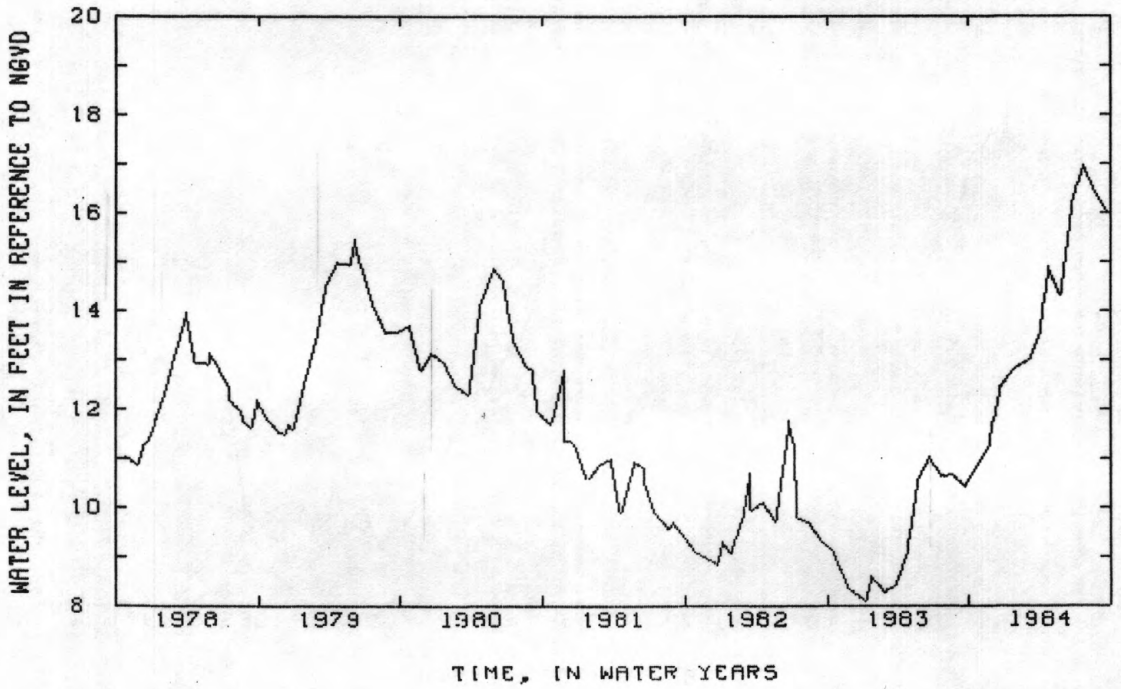


NASSAU COUNTY--Continued

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, records from September 1936 to October 1977 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--October 1977 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.96 ft NGVD, July 23, 1984; lowest measured, 8.10 ft NGVD, Jan. 5, 1983.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	10.84	DEC 19	12.42	MAR 1	13.01	APR 23	14.91	JUN 20	16.22	AUG 27	16.38
NOV 21	11.22	JAN 23	12.81	26	13.49	MAY 23	14.32	JUL 23	16.96	SEP 24	15.96

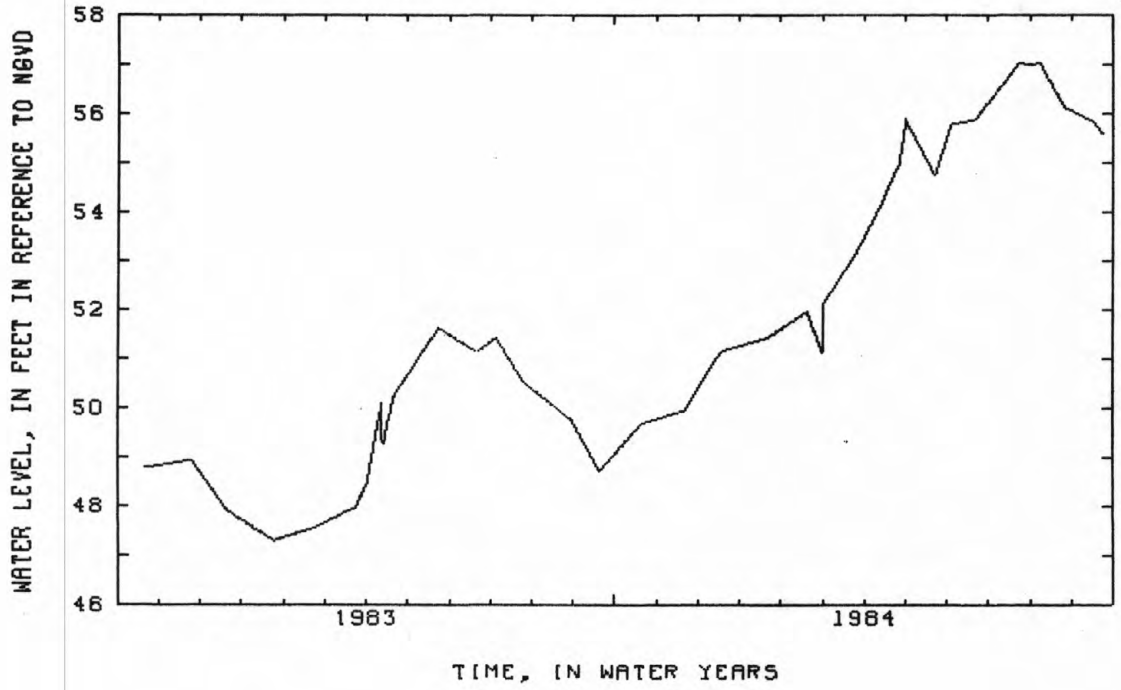


404338073371502. Local number, N 10035.1
LOCATION.--Lat 40°43'38", long 73°37'15", Hydrologic Unit 02030202, at Clinton Road and Commercial Avenue, Garden City. Owner: Nassau County Department of Public Works.
AQUIFER.--Upper Glacial (water table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 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, records fron May 1913 to October 1982 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--October 1982 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 57.04 ft NGVD, Aug. 8, 1984; lowest measured, 47.29 ft NGVD, Jan. 24, 1983.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	49.67	JAN 23	51.42	MAR 22	52.99	MAY 1	55.90 Q	JUL 23	57.02	AUG 27	56.09
NOV 21	49.92	FEB 21	51.97	APR 11	54.07	23	54.76	AUG 2	56.96	SEP 17	55.83
DEC 13	50.92	MAR 1	51.13	23	54.80	JUN 4	55.77	8	57.04	24	55.57
19	51.14	2	52.15	25	54.92	20	55.86				

Q MEASUREMENT BY ANOTHER AGENCY



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 steel 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.

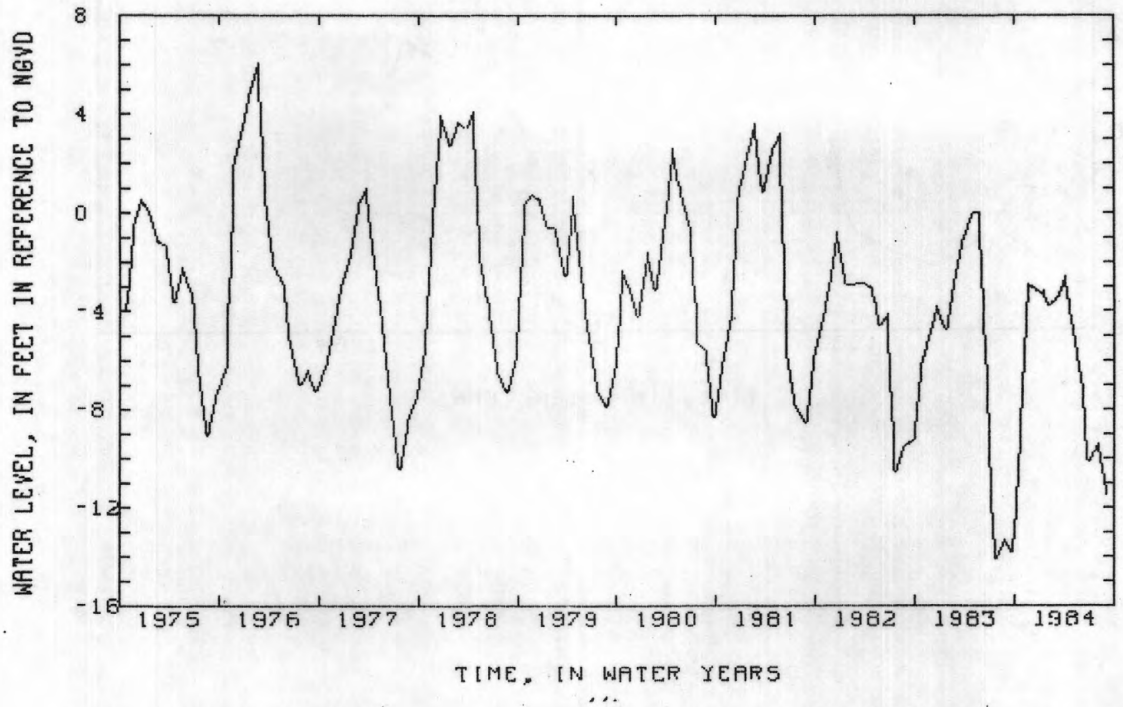
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 6	-10.62	JAN 31	-6.01	MAR 22	-5.94	JUN 27	-14.97				

404418073434101. 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 640 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 from 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 1983 TO SEPTEMBER 1984

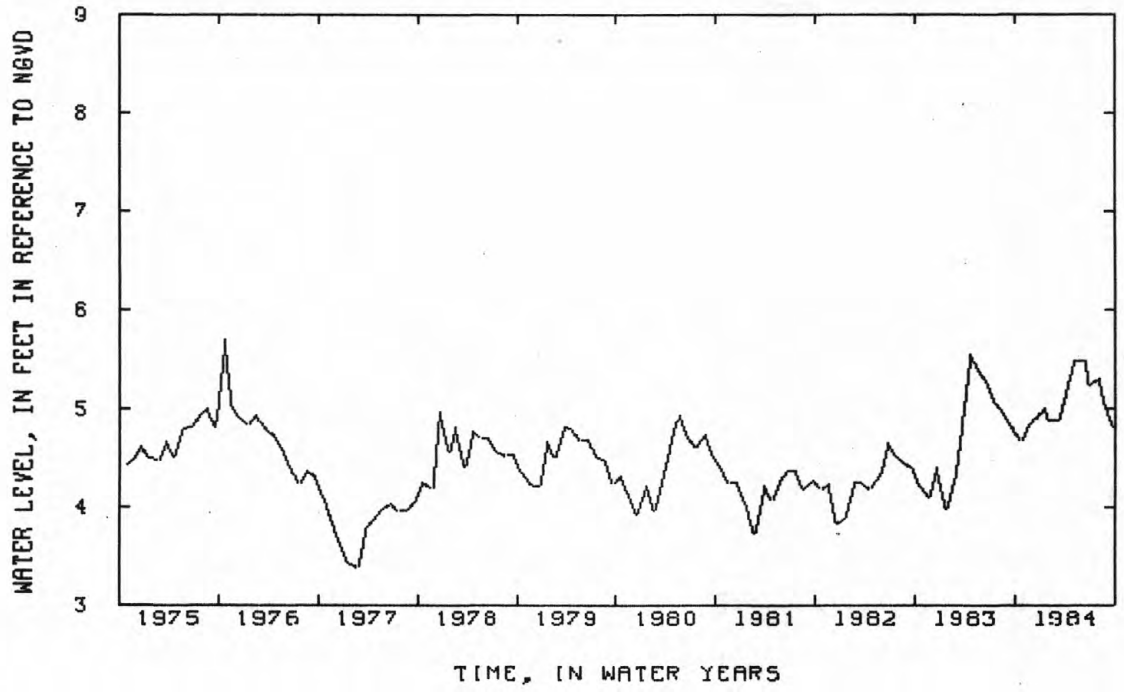
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	-6.51	JAN 5	-3.32	FEB 2	-3.84	APR 3	-2.62	JUN 4	-6.97	JUL 31	-9.40
NOV 18	-2.96	17	-3.18	MAR 7	-3.44	MAY 2	-4.60	29	-10.13	SEP 6	-11.53



404656073503701. Local number, Q 1373.1
LOCATION.--Lat 40°46'56", long 73°50'37", Hydrologic Unit 02030201, at 127th Street & 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	4.67	JAN 17	5.00	MAR 6	4.89	JUN 11	5.49	JUL 31	5.30	SEP 24	4.81
NOV 18	4.84	31	4.88	MAY 2	5.48	29	5.24	AUG 27	5.04		



403957073495001. 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, 0.04 ft above land-surface datum.
PERIOD OF RECORD.--March 1959 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.14 ft NGVD, June 26, 1984; lowest measured, -3.40 ft NGVD, May 25, 1959.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

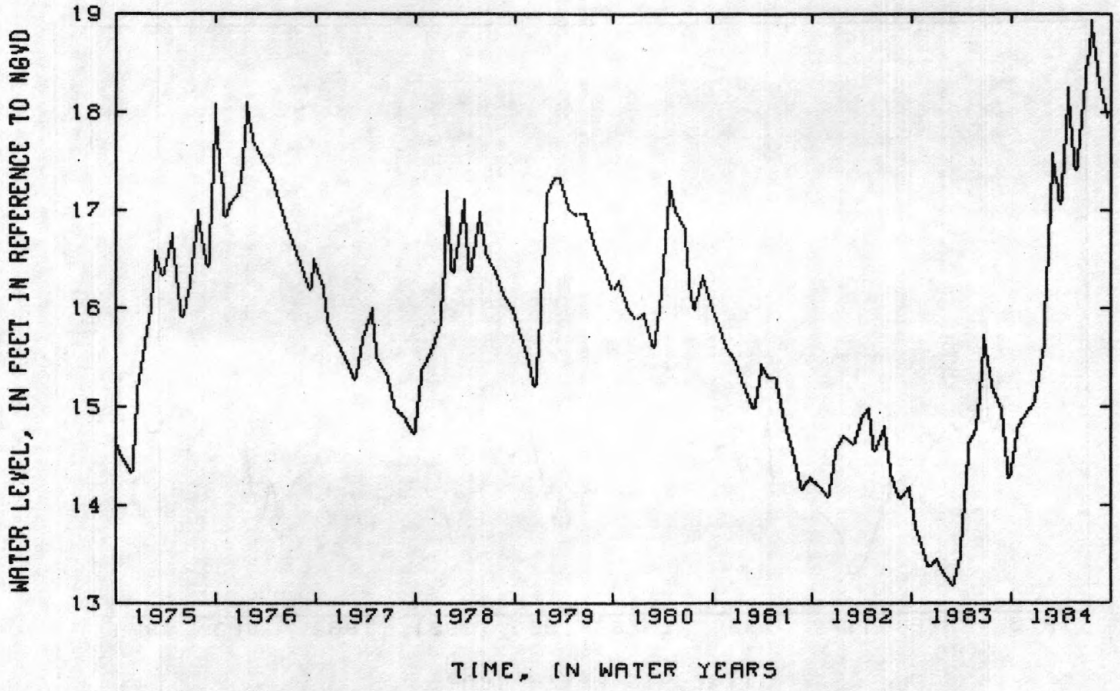
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 6	3.52	MAR 27	3.65	JUN 26	4.14						

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 from 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 measured, 13.18 ft NGVD, Feb. 25, 1983.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

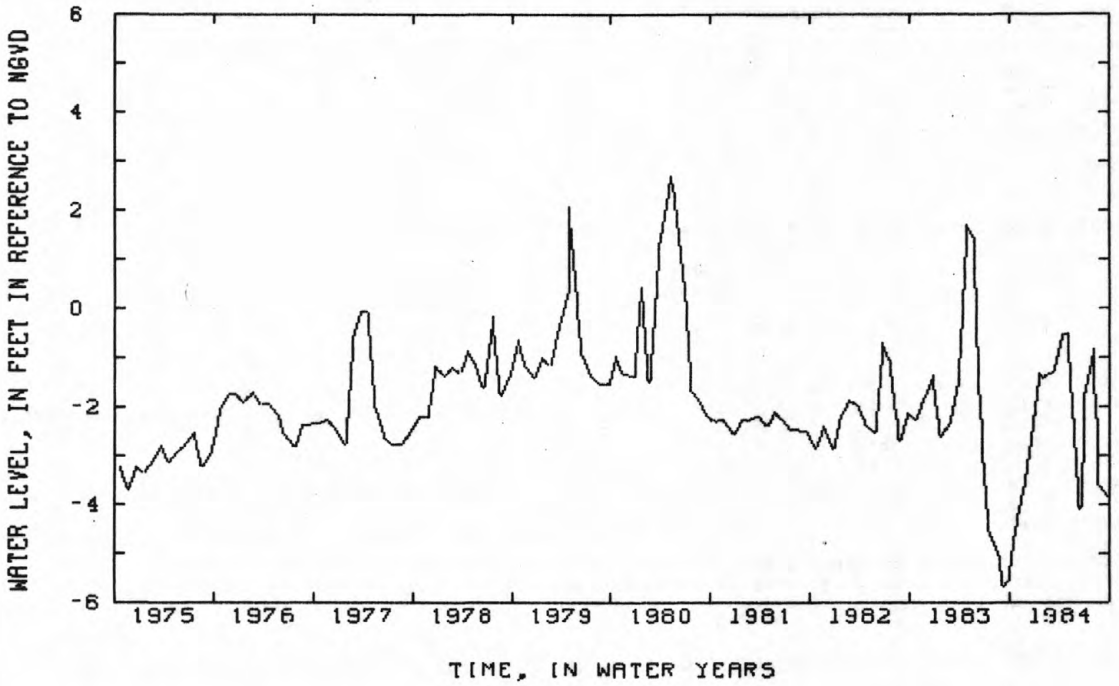
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	14.78	DEC 19	15.03	MAR 1	17.58	APR 23	18.25	JUN 20	18.21	AUG 27	18.23
NOV 21	14.91	JAN 23	15.58	26	17.08	MAY 23	17.44	JUL 23	18.93	SEP 24	17.93



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.
PERIOD OF RECORD.--October 1964 to current year. Unpublished records from 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	-4.19	JAN 17	-1.32	MAR 7	-1.30	MAY 2	-0.55	JUN 29	-1.72	AUG 27	-3.63
NOV 22	-3.65	31	-1.40	APR 10	-0.52	JUN 11	-4.06	JUL 31	-0.83	SEP 24	-3.84



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.
PERIOD OF RECORD.--September 1980 to current year. Unpublished records from 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 6	20.97	MAR 22	20.47	JUN 27	21.13						

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 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.14 ft above land-surface datum.
PERIOD OF RECORD.--September 1980 to current year. Unpublished records from September 1980 to September 1982 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26.54 ft NGVD, June 7, 1984; lowest measured, 22.84 ft NGVD, Oct. 4, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 6	24.66	MAR 22	24.91	JUN 27	26.54						

404112073500901. Local number, Q 3160.1
LOCATION.--Lat 40°41'12", long 73°50'09", Hydrologic Unit 02030202, at 108th Street and 101st Avenue, Woodhaven. Owner: New York City.
AQUIFER.--Upper Glacial (water table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 65 ft, screened 60 to 65 ft.
DATUM.--Land-surface datum is 45.7 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.45 ft below land-surface datum.
REMARKS.--Replaced well N 1254.1 in March 1984, 190 ft south of 101st Avenue, which had a period of record from 1940 to 1984.
PERIOD OF RECORD.--Record began in March 1984.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.34 ft NGVD, Aug. 27, 1984: lowest measured, 6.08 ft NGVD, MAR. 2, 1984.

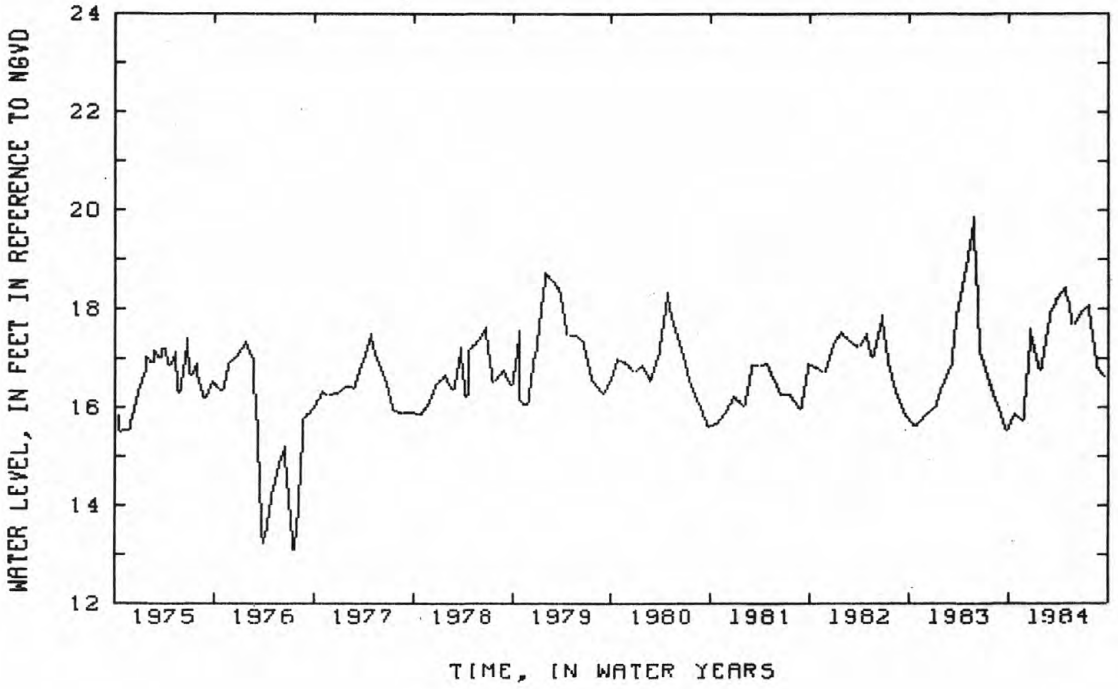
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 2	6.08	APR 23	6.92	JUN 20	8.22	JUL 23	8.12	AUG 27	9.34	SEP 24	9.20
28	6.36	MAY 23	7.36								

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 from 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	15.88	DEC 19	17.61	MAR 1	17.92	APR 23	18.42	JUN 20	17.93	AUG 27	16.78
NOV 21	15.74	JAN 23	16.78	22	18.16	MAY 23	17.68	JUL 23	18.08	SEP 24	16.60

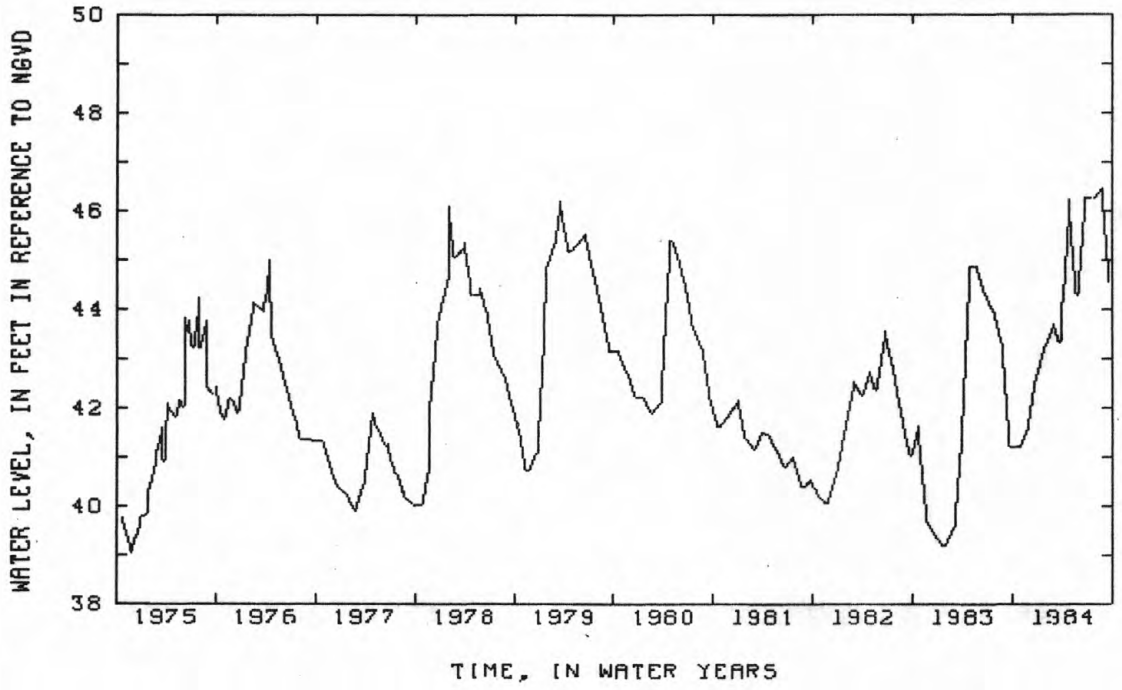


SUFFOLK COUNTY--Continued

404301073240901. 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.
PERIOD OF RECORD. --October 1912 to current year. Unpublished records from 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	41.17	DEC 19	42.52	MAR 1	43.70	APR 23	46.22	JUN 20	46.27	AUG 27	46.47
NOV 21	41.54	JAN 23	43.22	22	43.32	MAY 23	44.29	JUL 23	46.24	SEP 24	44.52

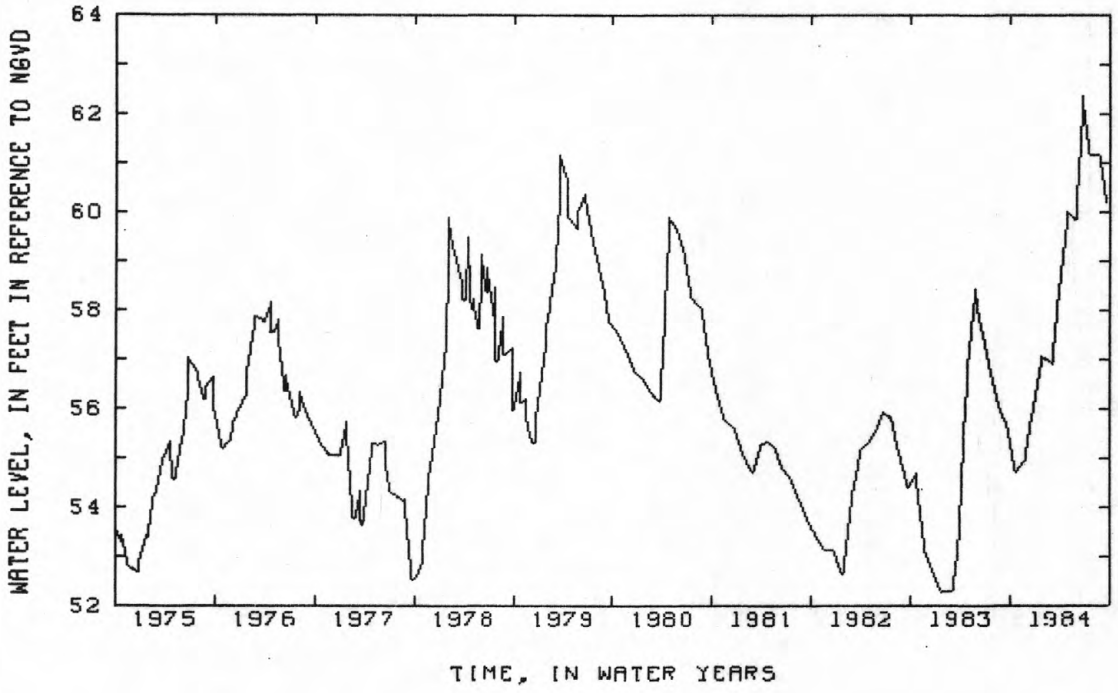


SUFFOLK COUNTY--Continued

404442073240501. Local number, S 1806.1
LOCATION.--Lat 40°44'42", long 73°24'05", Hydrologic Unit 02030202, at Conklin Street & 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 45 ft, screened 40 to 45 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 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 62.37 ft NGVD, June 20, 1984; lowest measured, 46.97 ft NGVD, Jan. 25, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

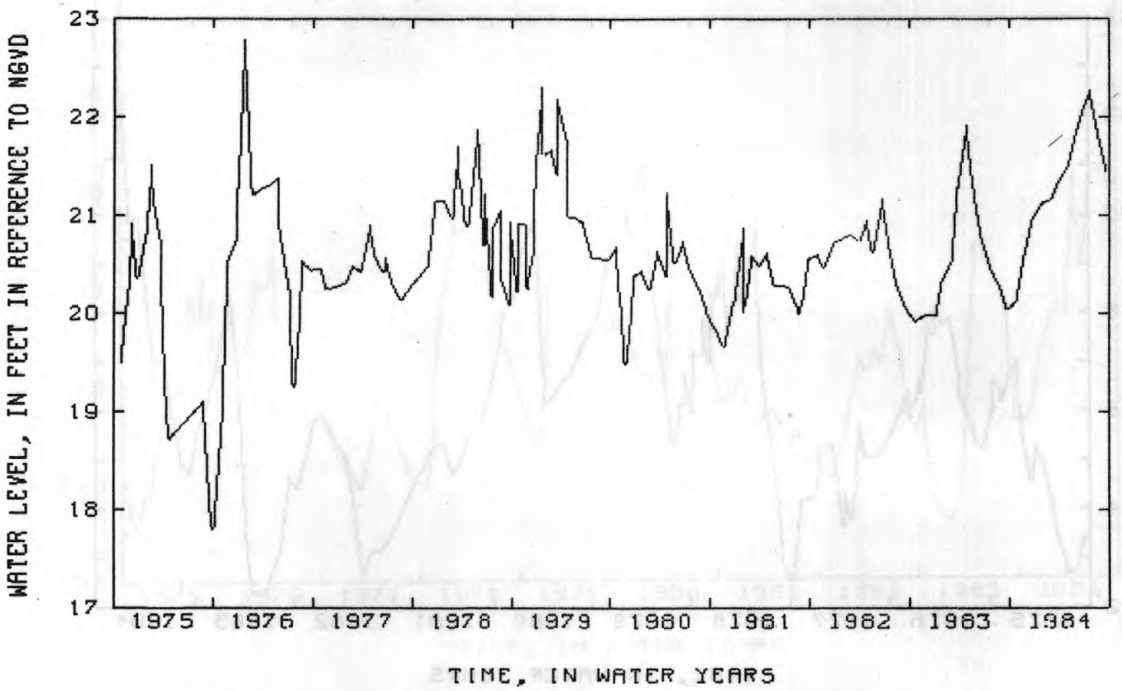
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	54.73	DEC 19	55.91	MAR 1	56.94	APR 23	60.01	JUN 20	62.37	AUG 27	61.12
NOV 21	54.94	JAN 23	57.08	22	58.21	MAY 23	59.87	JUL 23	61.16	SEP 24	60.17



404319073184601. 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.
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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	20.11	DEC 19	20.95	MAR 1	21.17	APR 23	21.48	JUN 20	22.07	AUG 27	21.77
NOV 21	20.58	JAN 23	21.11	22	21.31	MAY 23	21.80	JUL 23	22.27	SEP 24	21.43



404221073164901. Local number, S 1808.5
LOCATION.--Lat 40°42'21", long 73°16'49", 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 June 1984 at same location. Unpublished records from October 1912 to September 1975 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--June 1984 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.83 ft NGVD, July 23, 1984; lowest measured, 10.47 ft NGVD, July 13, 1984.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

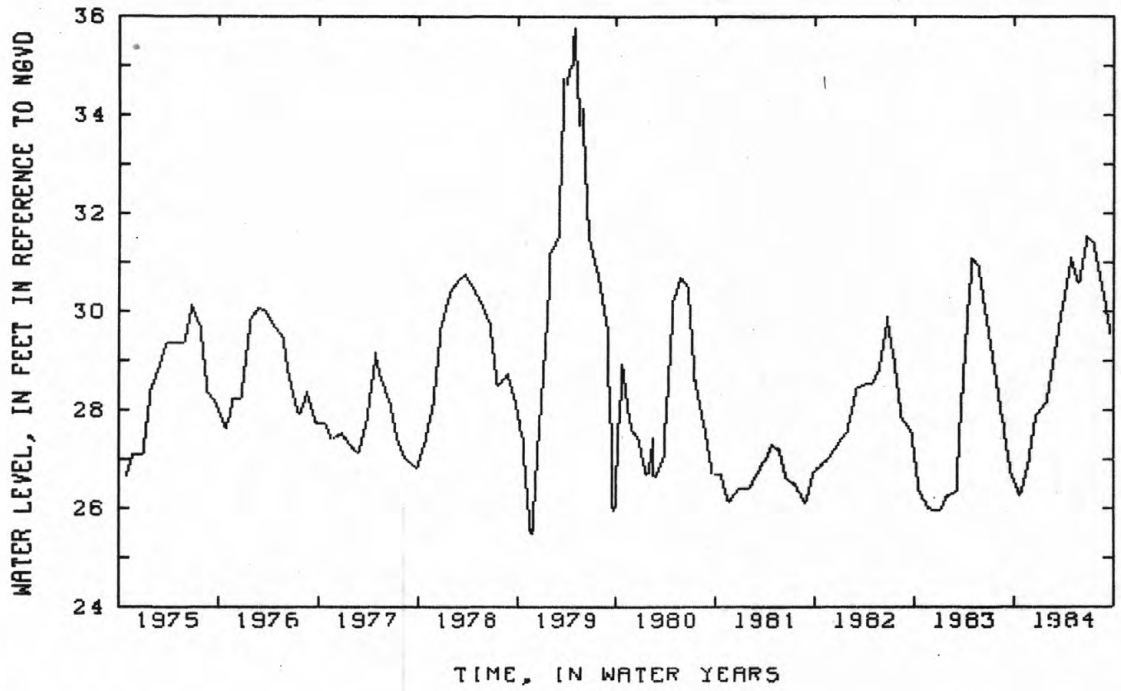
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUL 13	10.47	JUL 23	10.83	AUG 27	10.82	SEP 24	10.71				

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.
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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	26.29	DEC 19	27.91	MAR 1	29.26	APR 23	31.11	JUN 20	31.53	AUG 27	30.41
NOV 21	26.95	JAN 23	28.15	22	30.01	MAY 23	30.61	JUL 23	31.41	SEP 24	29.55

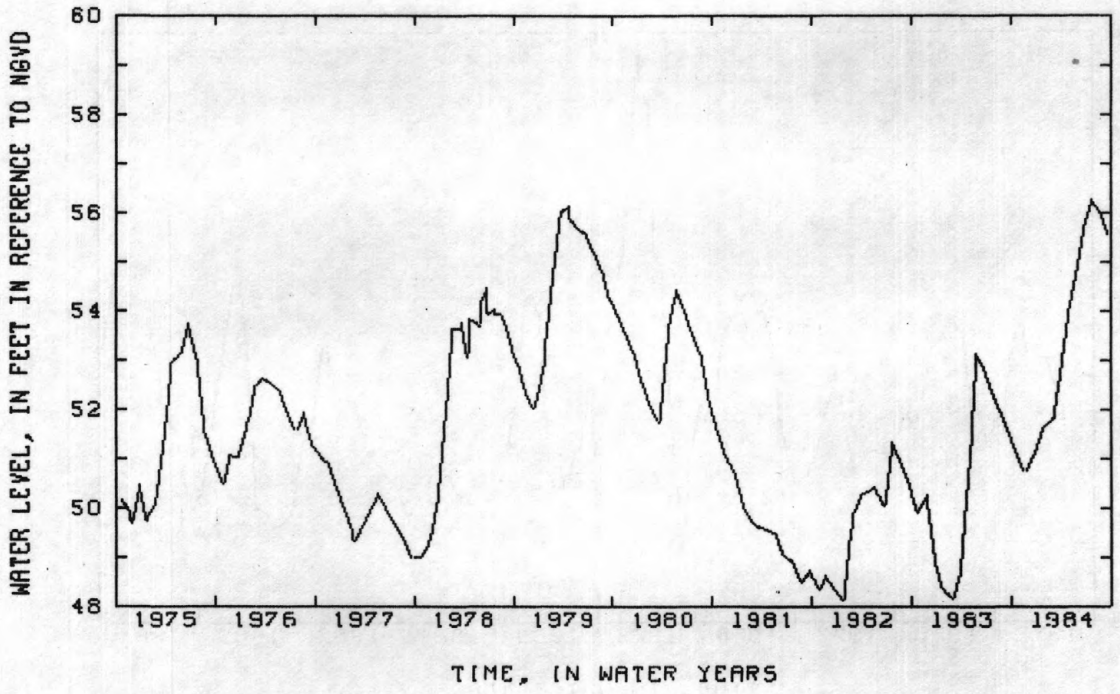


SUFFOLK COUNTY--Continued

404614073164401. 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.
PERIOD OF RECORD.--October 1912 to November 1914, August 1932 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 56.28 ft NGVD, July 23, 1984; lowest measured, 43.30 ft NGVD, Feb. 27, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	51.09	DEC 19	51.08	MAR 1	51.80	APR 23	54.04	JUN 20	55.75	AUG 27	55.96
NOV 21	50.75	JAN 23	51.65	22	52.56	MAY 23	54.79	JUL 23	56.28	SEP 24	55.52



SUFFOLK COUNTY--Continued

404957073073401. 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.
PERIOD OF RECORD.--April 1937 to current year. Unpublished records from April 1937 to September 1978 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 59.21 ft NGVD, June 6, 1979, lowest measured, 50.63 ft NGVD, Dec. 28, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 12	58.18										

404958073085001. Local number, S 1812.3
LOCATION.--Lat 40°49'58", long 73°08'50", 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, unpublished records from April 1937 to September 1975 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--May 1982 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 51.34 ft NGVD, July. 23, 1984; lowest measured, 44.80 ft NGVD, Mar. 21 1983.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 4	49.67	MAY 23	49.83	JUN 20	50.98	JUL 23	51.34	AUG 27	50.63	SEP 24	50.10

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 S 1814.2 in May 1982 at same location, unpublished records from November 1939 to September 1975 available in files of Long Island Sub-district office.
PERIOD OF RECORD.--May 1982 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 41.50 ft NGVD, June 12, 1984; lowest measured, 36.21 ft NGVD, Dec. 28, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

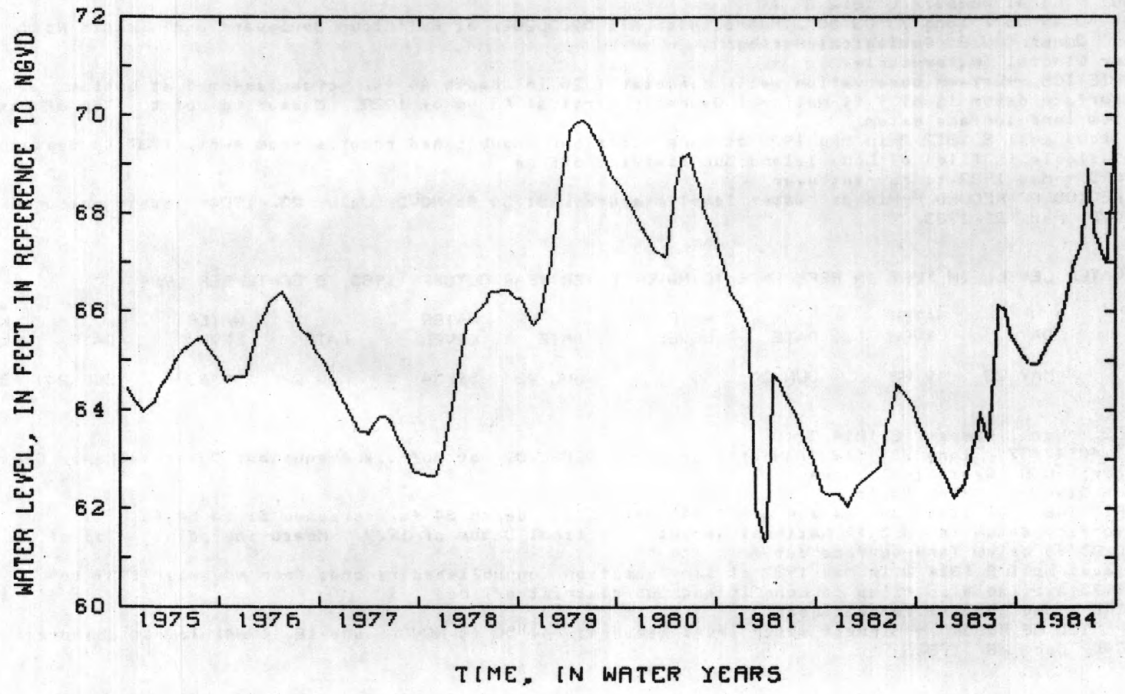
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 28	38.41	MAR 21	39.41	JUN 12	41.50	SEP 29	40.81				

SUFFOLK COUNTY--Continued

405146073031801. 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 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 curre... year.
EXTREMES FOR PERIOD OF RECORD.--Highes... 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	65.18	DEC 19	64.94	MAR 1	65.63	APR 23	66.95	JUN 20	68.91	AUG 27	67.02
NOV 21	64.95	JAN 24	65.34	22	66.02	MAY 23	67.32	JUL 23	67.57	SEP 24	69.37

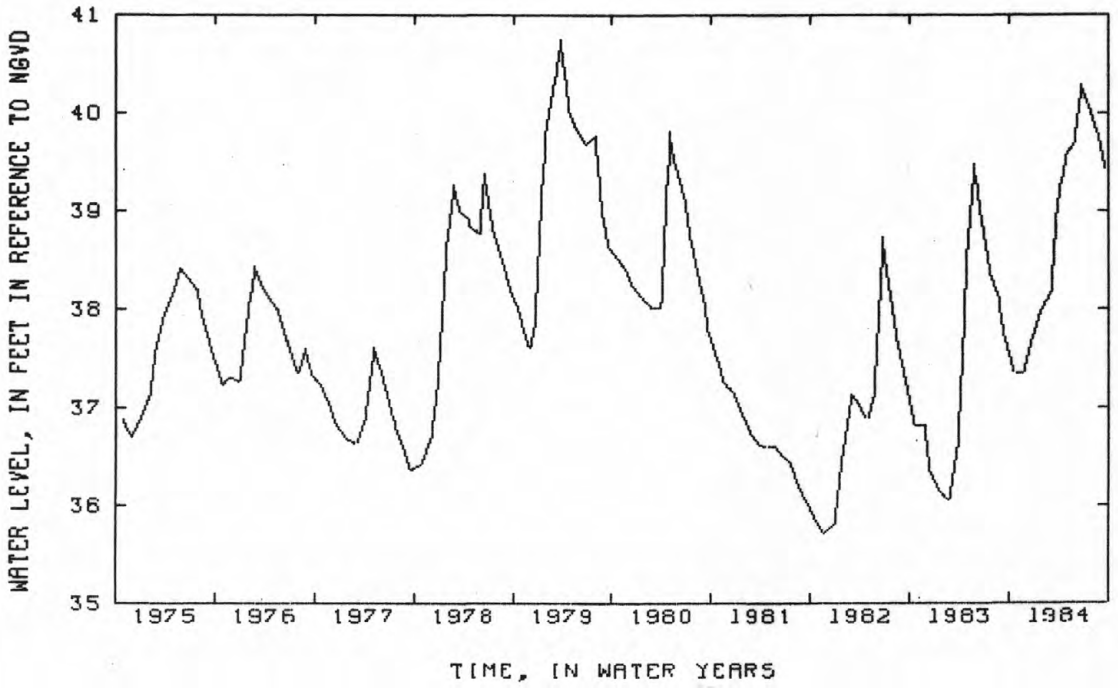


SUFFOLK COUNTY--Continued

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 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 from 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	37.35	DEC 19	37.68	MAR 1	38.17	APR 23	39.57	JUN 20	40.28	AUG 27	39.78
NOV 21	37.35	JAN 24	37.99	22	38.96	MAY 23	39.68	JUL 23	40.09	SEP 24	39.42

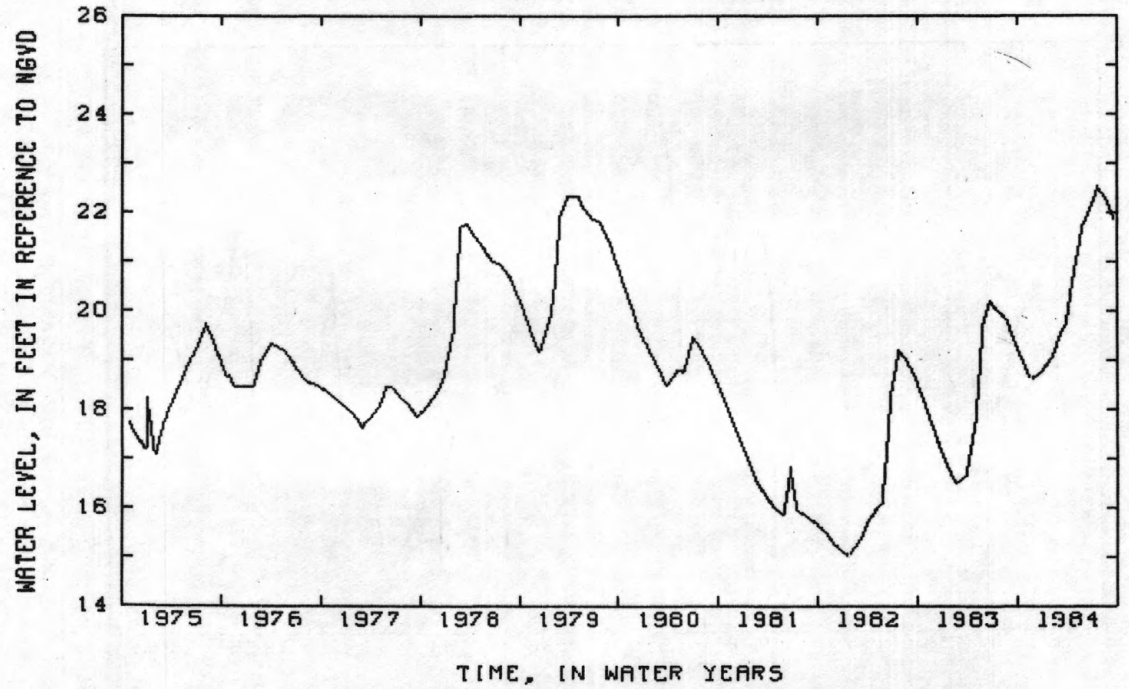


SUFFOLK COUNTY--Continued

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, 22.53 ft NGVD, July 23, 1984; lowest measured, 15.03 ft NGVD, Jan. 26, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	18.99	DEC 19	18.72	MAR 2	19.56	APR 23	20.90	JUN 20	22.11	AUG 27	22.22
NOV 21	18.62	JAN 29	19.04	22	19.70	MAY 23	21.72	JUL 23	22.53	SEP 24	21.85

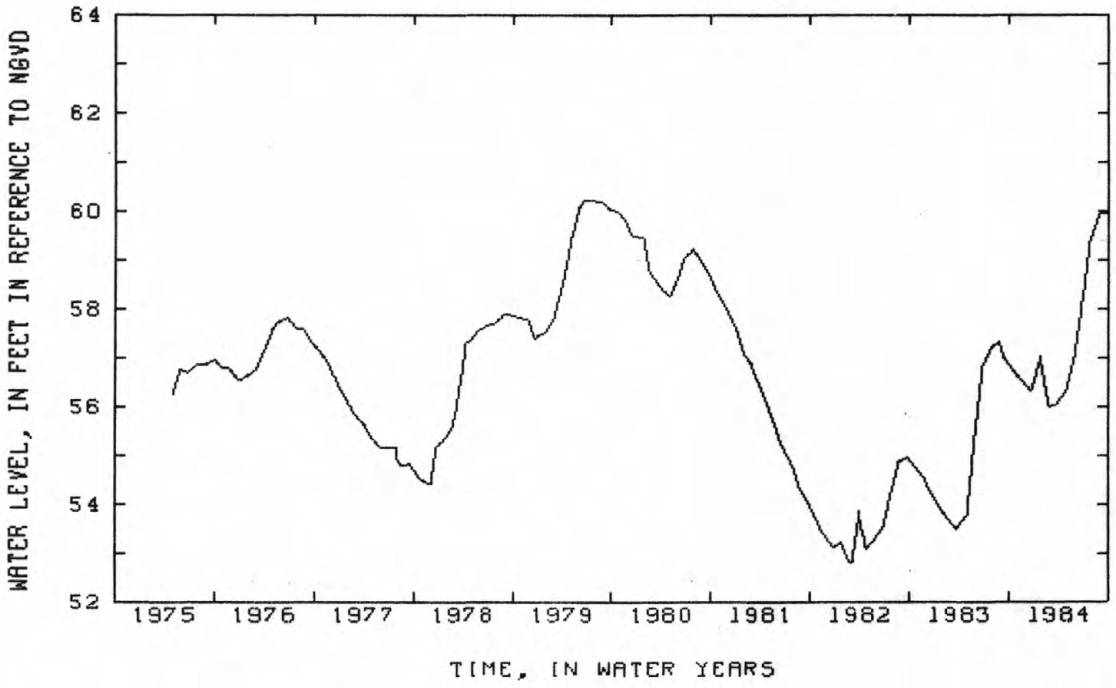


SUFFOLK COUNTY--Continued

405343073055004. Local number, S 3955.4
LOCATION.--Lat 40°53'43", long 73°05'50", Hydrologic Unit 02030201, at Pond Path and Mark Tree Roads, Setauket.
Owner: U.S. Geological Survey.
AQUIFER.--Upper Glacial (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, unpublished records from September 1944 to September 1975 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--April 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.-Highest water level measured, 60.23 ft NGVD, June 21, 1979; lowest measured, 52.80 ft NGVD, Feb. 24, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	56.71	DEC 19	56.33	MAR 1	56.00	APR 23	56.34	JUN 20	58.02	AUG 27	59.92
NOV 21	56.54	JAN 24	57.05	22	56.04	MAY 23	57.00	JUL 23	59.36	SEP 24	59.98



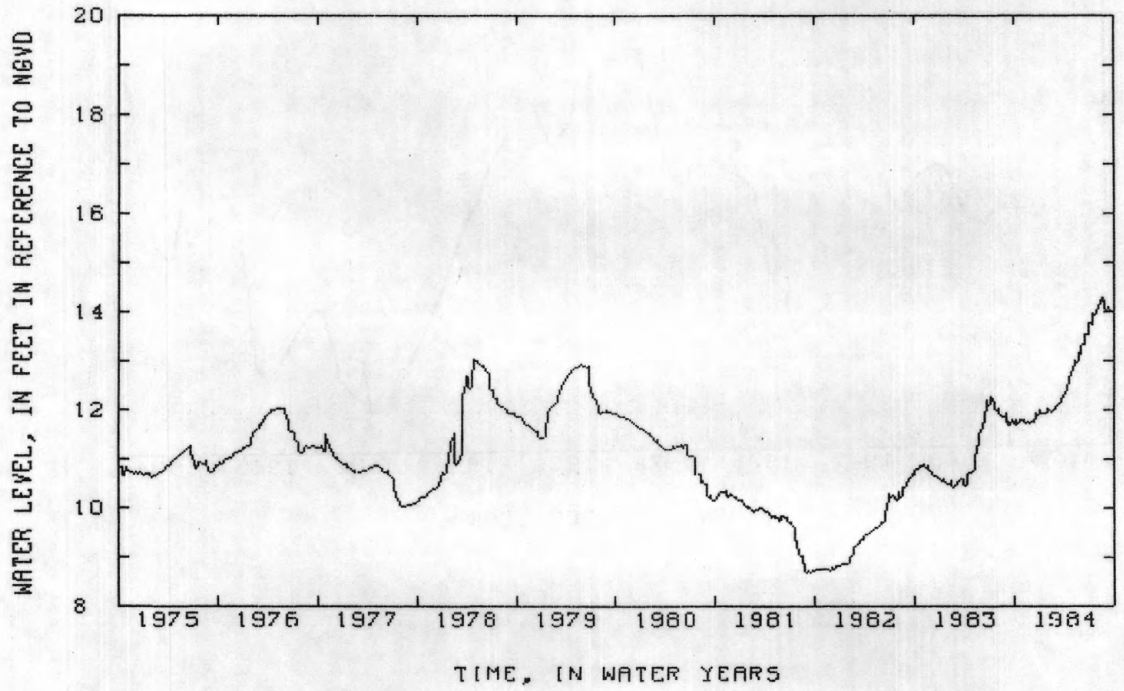
SUFFOLK COUNTY--Continued

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 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, 14.25 ft NGVD, Aug. 12, 1984; lowest measured, 8.16 ft NGVD, Sept. 5, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	11.70 G	DEC 12	11.81 G	FEB 12	11.98 G	APR 14	12.57 G	JUN 11	13.34 G	AUG 6	14.12 G
9	11.80 G	18	11.94 G	20	12.01 G	21	12.68 G	17	13.55 G	12	14.25 G
17	11.75 G	25	11.91 G	25	12.06 G	30	12.87 G	25	13.55 G	20	14.17 G
23	11.79 G	JAN 1	12.01 G	MAR 5	12.10 G	MAY 6	12.99 G	JUL 1	13.78 G	27	14.24 G
NOV 6	11.80 G	9	11.94 G	10	12.14 G	14	12.98 G	9	13.75 G	SEP 3	14.03 G
14	11.74 G	17	11.94 G	19	12.22 G	21	13.16 G	15	13.96 G	9	14.09 G
20	11.77 G	23	11.95 G	24	12.30 G	28	13.15 G	23	13.94 G	17	14.02 G
28	11.75 G	28	12.03 G	APR 2	12.38 G	JUN 3	13.31 G	31	14.12 G	23	13.99 G
DEC 7	11.78 G	FEB 6	11.99 G	7	12.51 G						

G MEASUREMENT BY ANOTHER AGENCY

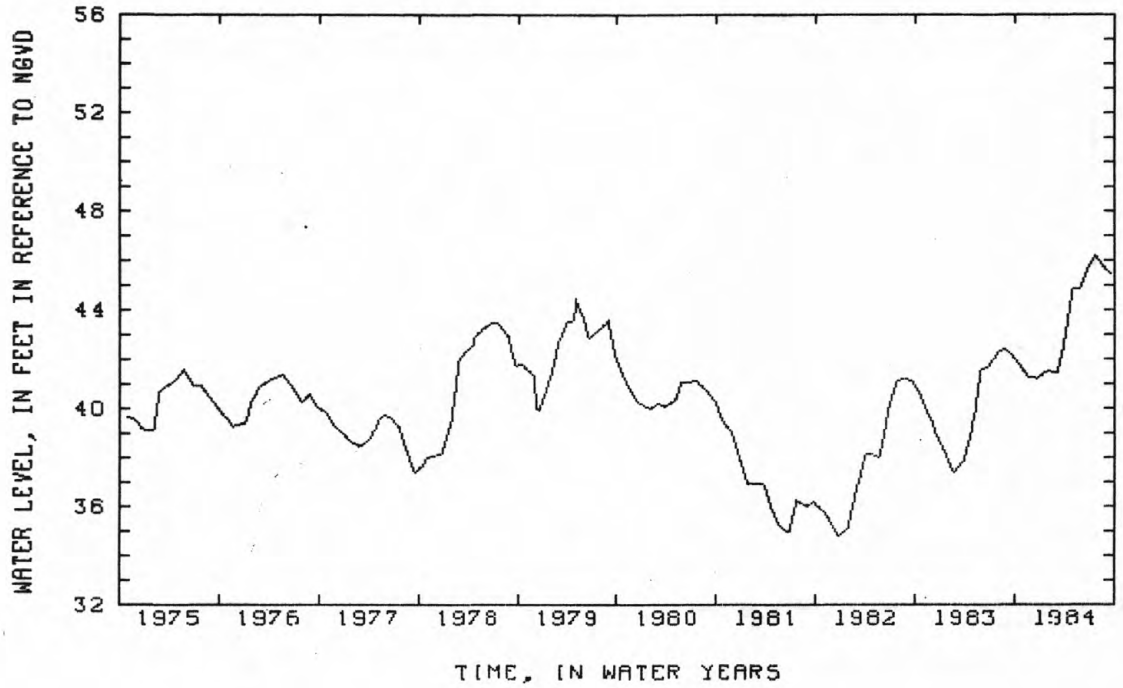


SUFFOLK COUNTY--Continued

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 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	41.74	DEC 19	41.23	MAR 1	41.42	APR 23	44.77	JUN 20	45.68	AUG 27	45.68
NOV 21	41.25	JAN 27	41.56	22	42.35	MAY 23	44.88	JUL 23	46.17	SEP 24	45.39

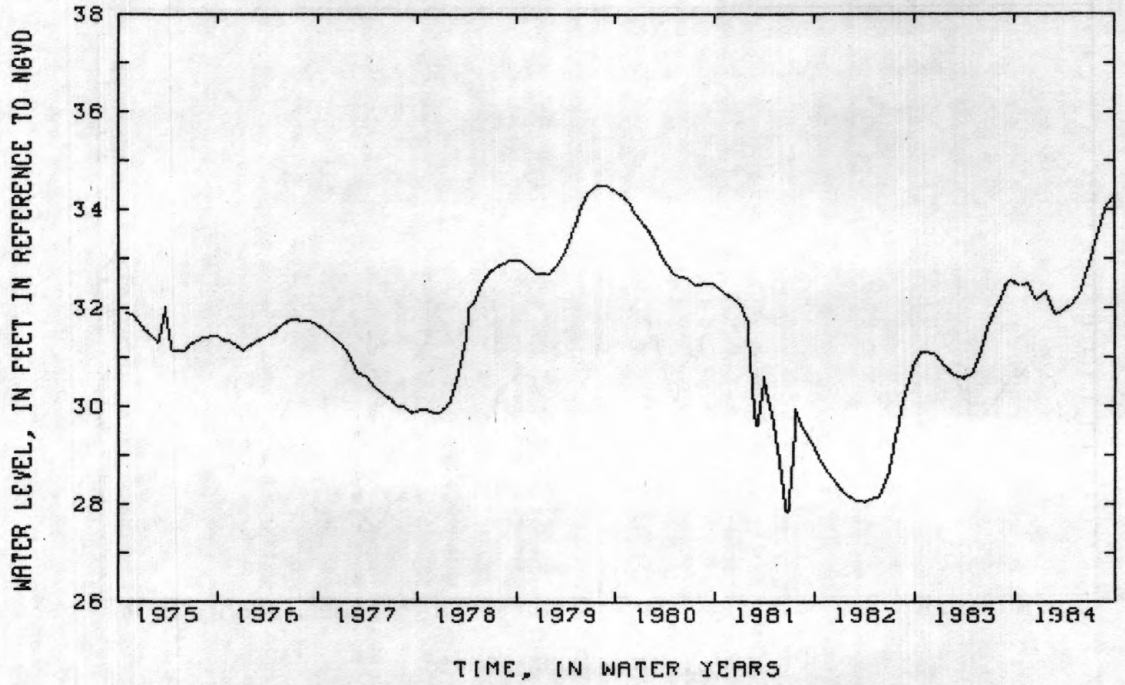


SUFFOLK COUNTY--Continued

405650072541801. 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 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 from 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	32.45	DEC 19	32.16	MAR 1	31.86	APR 23	32.06	JUN 20	32.81	AUG 27	34.02
NOV 21	32.51	JAN 23	32.32	22	31.93	MAY 23	32.29	JUL 23	33.36	SEP 24	34.24



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 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 inch nipple, 2.21 ft above land-surface datum.
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. 3, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 9	33.03	APR 2	33.15	JUN 14	34.12	SEP 27	34.85				

SUFFOLK COUNTY--Continued

405223072523403. 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, 42.50 ft NGVD, Apr. 2, 1979; lowest measured, 33.82 ft NGVD, Dec. 27, 1966, Mar. 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

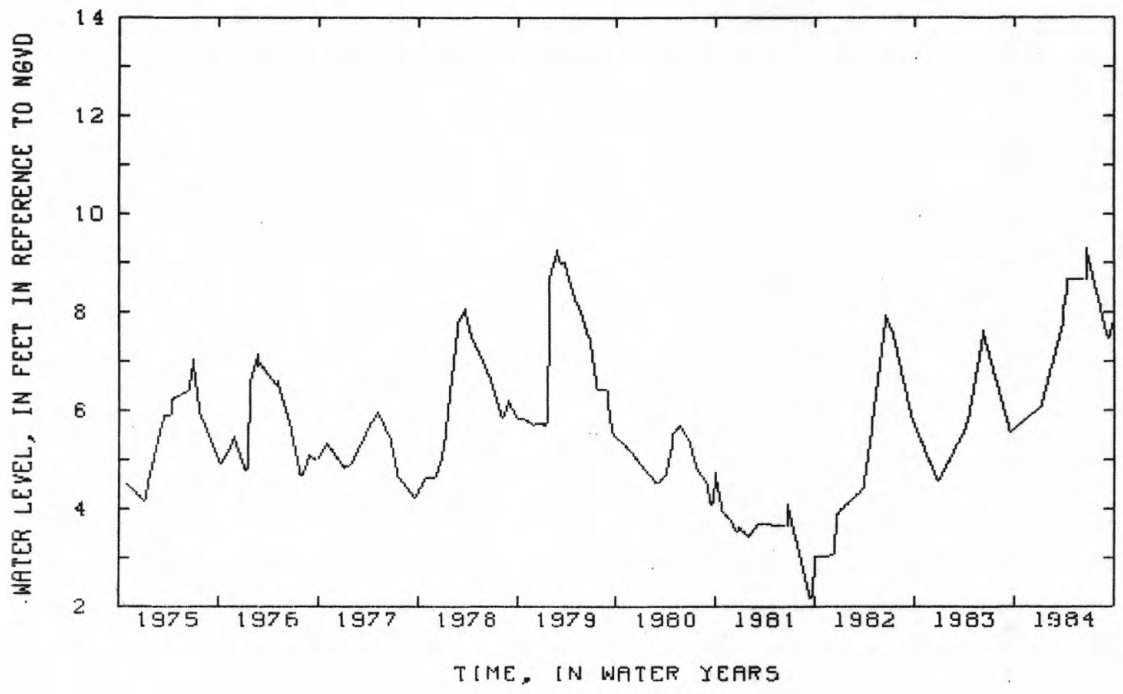
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 9	39.26	APR 2	40.60	JUN 14	41.94	SEP 27	41.35				

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, 9.30 ft NGVD, June 22, 1984; lowest measured, 2.19 ft NGVD, Sept. 18, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 27	6.05 G	MAR 20	7.71 G	JUN 11	8.64 G	JUN 22	9.30	SEP 11	7.50 G	SEP 27	7.91
JAN 3	6.06	APR 11	8.66								

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 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.63 ft above land-surface datum.
PERIOD OF RECORD.--October 1950 to current year. Unpublished records from October 1950 to September 1977 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.47 ft NGVD, June 20, 1984; lowest measured, 12.84 ft NGVD, Mar. 29, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 12	17.72	MAR 27	18.36	JUN 20	18.47	SEP 26	17.68				

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 18.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.87 ft above land-surface datum.
PERIOD OF RECORD.--July 1950 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.12 ft NGVD, June 21, 1984; lowest measured, 4.93 ft NGVD, Aug. 30, 1968.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

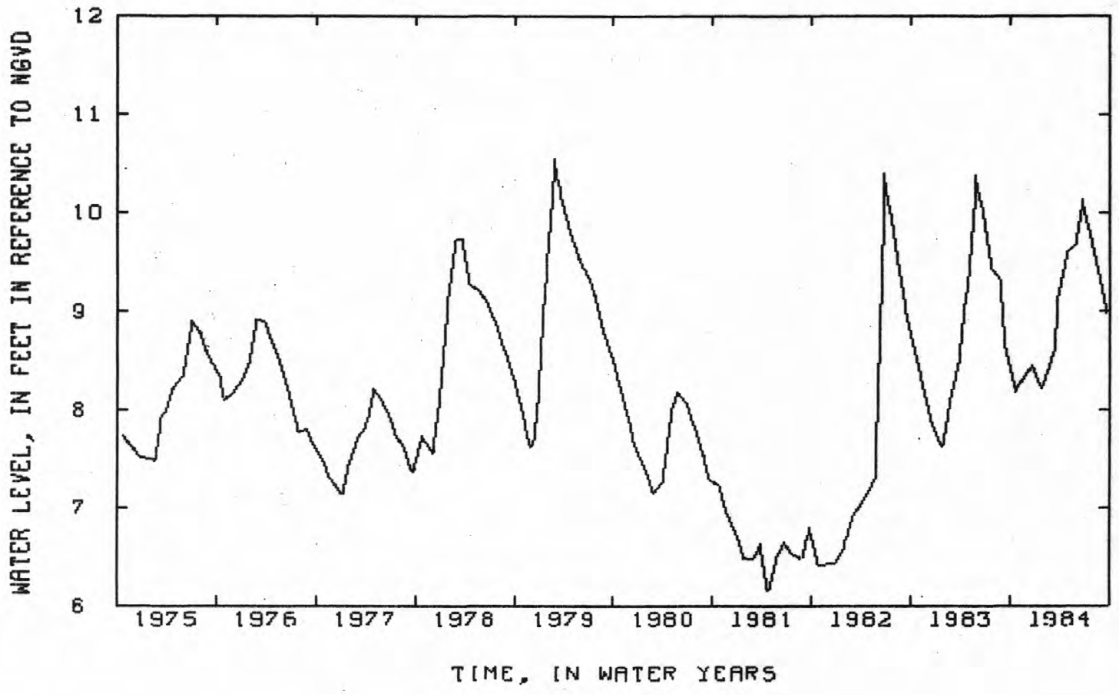
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 20	7.75	MAR 27	8.52	JUN 21	9.12						

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 from 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	8.22	DEC 19	8.45	MAR 2	8.59	APR 23	9.60	JUN 20	10.14	AUG 27	9.37
NOV 21	8.33	JAN 23	8.24	22	9.15	MAY 23	9.67	JUL 23	9.82	SEP 24	8.96



404831072530501. Local number, S 9130.1
LOCATION.--Lat 40°48'29", 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 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.08 ft above land-surface datum.
PERIOD OF RECORD.--June 1953 to current year. Unpublished records from June 1953 to September 1977 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.54 ft NGVD, June 14, 1984; lowest measured, 9.50 ft NGVD, Mar. 19, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 2	10.54	APR 3	11.21	JUN 14	11.54	JUN 21	11.52	SEP 25	11.03		

SUFFOLK COUNTY--Continued

405843072352902. Local number, S 16756.2
LOCATION.--Lat 40°58'43", long 72°35'29", Hydrologic Unit 02030202, at Herricks Lane, 0.25 mi 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 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, which has a period of record from September 1958 to December 1975 unpublished and are available.
PERIOD OF RECORD.--September 1976 to current year. Unpublished records from September 1975 to September 1976 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.71 ft NGVD, June 22, 1984; lowest measured, 4.95 ft NGVD, Sept. 15, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 3	8.69	APR 11	9.88	JUN 22	10.71	SEP 27	10.00				

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 from 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 30	4.93	APR 11	5.25	JUN 22	5.04	SEP 27	4.39				

410858072171501. Local number, S 16787.1
LOCATION.--Lat 41°08'58", 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 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 from August 1958 to September 1977 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.16 ft NGVD, June 22, 1984; lowest measured, 1.12 ft NGVD, Aug. 8, 1966 .

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

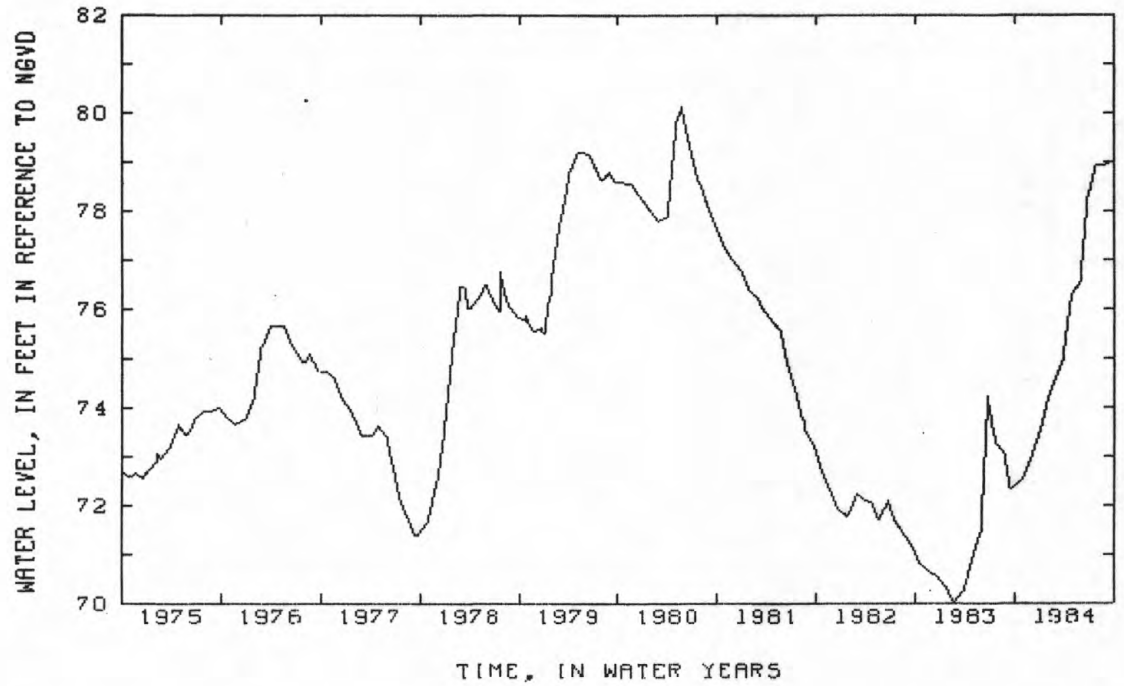
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 30	3.81	APR 11	4.75	JUN 22	5.16						

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 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 from 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	72.51	DEC 19	73.32	MAR 1	74.63	APR 23	76.31	JUN 20	78.26	AUG 28	78.94
NOV 22	72.87	JAN 30	74.25	22	74.95	MAY 23	76.52	JUL 23	78.91	SEP 24	79.01



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 from 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 ft NGVD, Oct. 28, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 21	19.39	MAR 20	19.92	JUN 11	21.29	SEP 19	21.06				

SUFFOLK COUNTY--Continued

404528073114801. 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.
REMARKS.--Replaced well S 17987.1 in March 1981 at same location, which has a period of record from April 1959 to March 1981 (unpublished).
PERIOD OF RECORD.--March 1981 to current year. Unpublished records from March 1981 to September 1982 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.95 ft NGVD, June 12, 1984; lowest measured, 18.90 ft NGVD, Mar. 24, 1982.

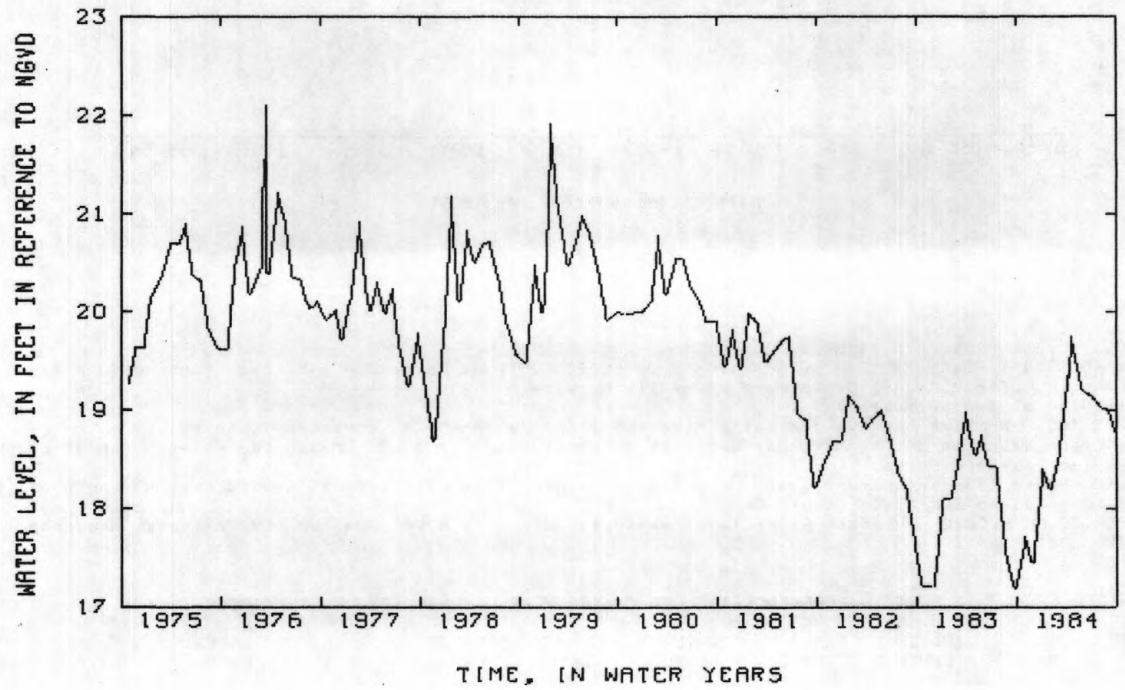
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 28	26.40	MAR 21	27.42	JUN 12	27.95						

403727073154601. 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 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of flange, 13.68 ft above land-surface datum.
PERIOD OF RECORD.--June 1962 to current year. Unpublished records from 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	17.71	JAN 6	18.37	MAR 31	19.35	APR 15	19.75	JUN 30	19.15	AUG 31	19.00
NOV 28	17.45	FEB 1	18.20	31	19.31	MAY 30	19.20	AUG 8	19.02	SEP 30	18.77
DEC 29	18.40	29	18.52								

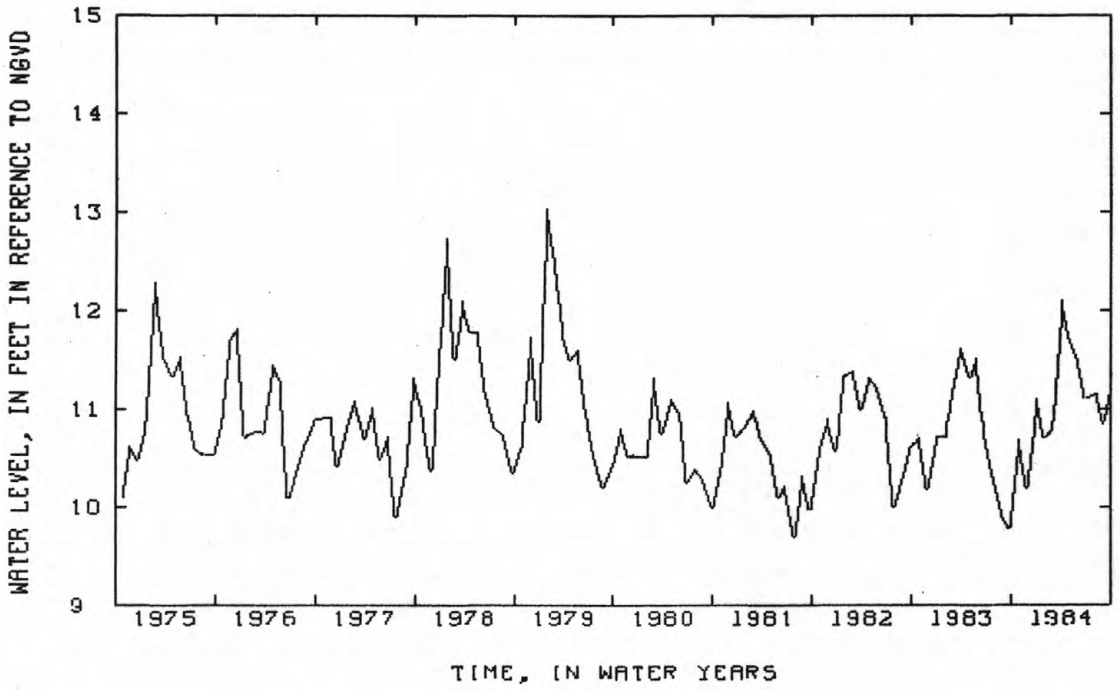


SUFFOLK COUNTY--Continued

403727073154503. 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 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 20.01 ft above land-surface datum.
PERIOD OF RECORD.--June 1962 to current year. Unpublished records from 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	10.69	DEC 29	11.10	FEB 29	10.79	APR 30	11.70	JUN 30	11.10	AUG 31	10.85
NOV 28	10.20	FEB 1	10.70	MAR 31	12.10	MAY 30	11.50	AUG 8	11.15	SEP 30	11.24



SUFFOLK COUNTY--Continued

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 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 2.63 ft above land-surface datum.
PERIOD OF RECORD.--August 1964 to current year. Unpublished records from 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 29	42.16	MAR 22	42.94	JUN 12	44.23	SEP 29	43.83				

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 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in coupling, 2.79 ft above land-surface datum.
PERIOD OF RECORD.--August 1964 to current year. Unpublished records from 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 29	42.39	MAR 22	43.32	JUN 12	44.49	SEP 29	44.29				

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 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in coupling, 2.50 ft above land-surface datum.
PERIOD OF RECORD.--August 1964 to current year. Unpublished records from August 1964 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 46.80 ft NGVD, Sept. 29, 1984, lowest measured, 36.40 ft NGVD, Mar. 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 29	42.46	MAR 22	43.86	JUN 12	44.72	SEP 29	46.80				

SUFFOLK COUNTY--Continued

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 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 4.30 ft above land-surface datum.
PERIOD OF RECORD.--May 1964 to current year. Unpublished records from 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 29	39.63	MAR 22	40.50	JUN 12	41.19	SEP 29	41.87				

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 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 from 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 29	40.98	MAR 22	41.64	JUN 12	42.26	SEP 29	42.65				

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 124 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 from 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 & June 12, 1979; lowest measured, 34.74 ft NGVD, Jan. 27, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 29	41.71	MAR 22	42.36	JUN 12	43.30	SEP 29	45.05				

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 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.59 ft above land-surface datum.
PERIOD OF RECORD.--August 1964 to current year. Unpublished records from 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 29	42.33	MAR 22	42.85	JUN 12	43.79	SEP 29	43.39				

404819073160303. 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 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.98 ft above land-surface datum.
PERIOD OF RECORD.--August 1965 to current year. Unpublished records from August 1965 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 56.33 ft NGVD, Sept. 29, 1984; lowest measured, 45.31 ft NGVD, Mar. 7, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 22	53.03	JUN 12	54.29	SEP 29	56.33						

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 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.01 ft above land-surface datum.
PERIOD OF RECORD.--August 1965 to current year. Unpublished records from 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.

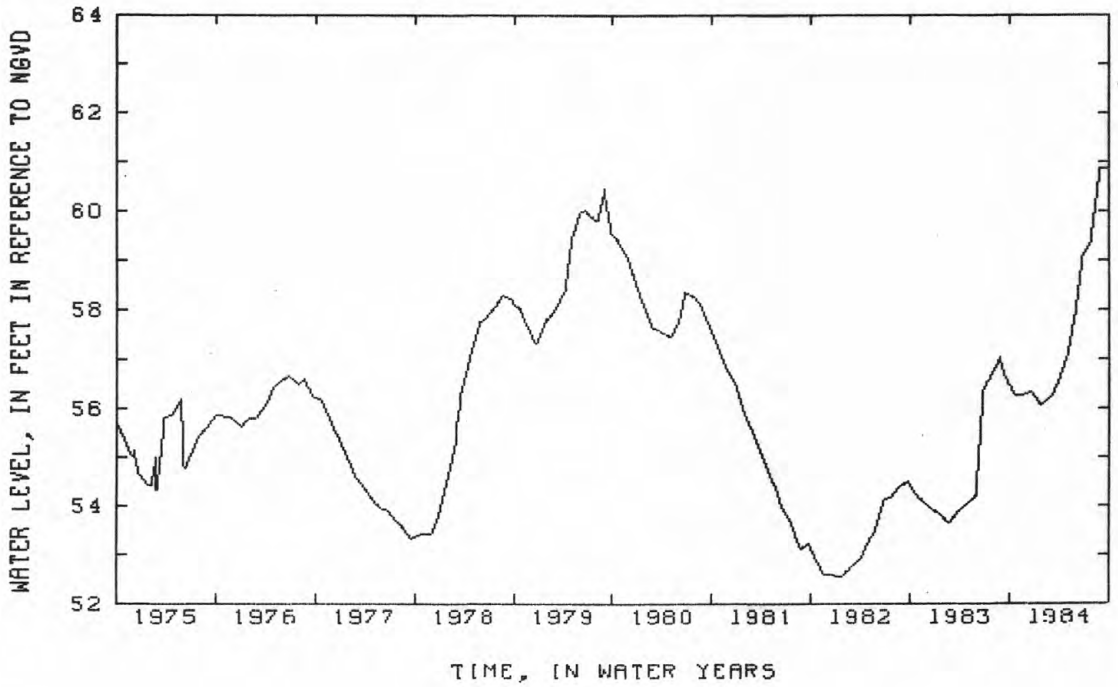
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 29	52.46	MAR 22	52.41	JUN 12	53.91	SEP 29	55.67				

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 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.86 ft above land-surface datum.
PERIOD OF RECORD.--August 1965 to current year. Unpublished records from August 1965 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 60.88 ft NGVD, Aug. 28, Sept. 24, 1984; lowest measured, 43.50 ft NGVD, Nov. 30, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	56.27	DEC 19	56.35	MAR 1	56.24	APR 23	57.04	JUN 20	59.07	AUG 28	60.88
NOV 22	56.27	JAN 24	56.08	22	56.46	MAY 23	57.87	JUL 23	59.33	SEP 24	60.88



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 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.37 ft above land-surface datum.
PERIOD OF RECORD.--May 1966 to current year. Unpublished records from 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 29	59.55	MAR 22	60.60	JUN 12	60.82	SEP 29	62.27				

SUFFOLK COUNTY--Continued

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 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.85 ft above land-surface datum.
PERIOD OF RECORD.--July 1966 to current year. Unpublished records from 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 29	60.65	MAR 22	61.05	JUN 12	61.33	SEP 29	62.30				

404710073264006. 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 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.44 ft above land-surface datum.
PERIOD OF RECORD.--May 1967 to current year. Unpublished records from May 1967 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 85.91 ft NGVD, Sept. 29, 1984; lowest measured, 67.64 ft NGVD, June 27, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 29	79.04	MAR 22	80.29	JUN 25	82.49	SEP 29	85.91				

404703073264202. 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 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.80 ft above land-surface datum.
PERIOD OF RECORD.--May 1967 to current year. Unpublished records from May 1967 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 84.95 ft NGVD, Sept. 29, 1984; lowest measured, 67.90 ft NGVD, May 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 29	79.00	MAR 22	79.30	JUN 25	82.50	SEP 29	84.95				

SUFFOLK COUNTY--Continued

404703073264205. 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 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.17 ft above land-surface datum.
PERIOD OF RECORD.--May 1967 to current year. Unpublished records from 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 20	79.17	MAR 22	80.80	JUN 25	82.92	SEP 29	85.17				

405455073025802. 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 1,070 to 1,090 ft.
DATUM.--Land-surface datum is 165 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.25 inch hole in reducer 1.74 ft above land-surface datum.
PERIOD OF RECORD.--December 1970 to current year. Unpublished records from 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 29	41.80	JAN 3	41.59	MAR 20	41.66						

405452073025701. 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 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 from 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 1983 TO SEPTEMBER 1984

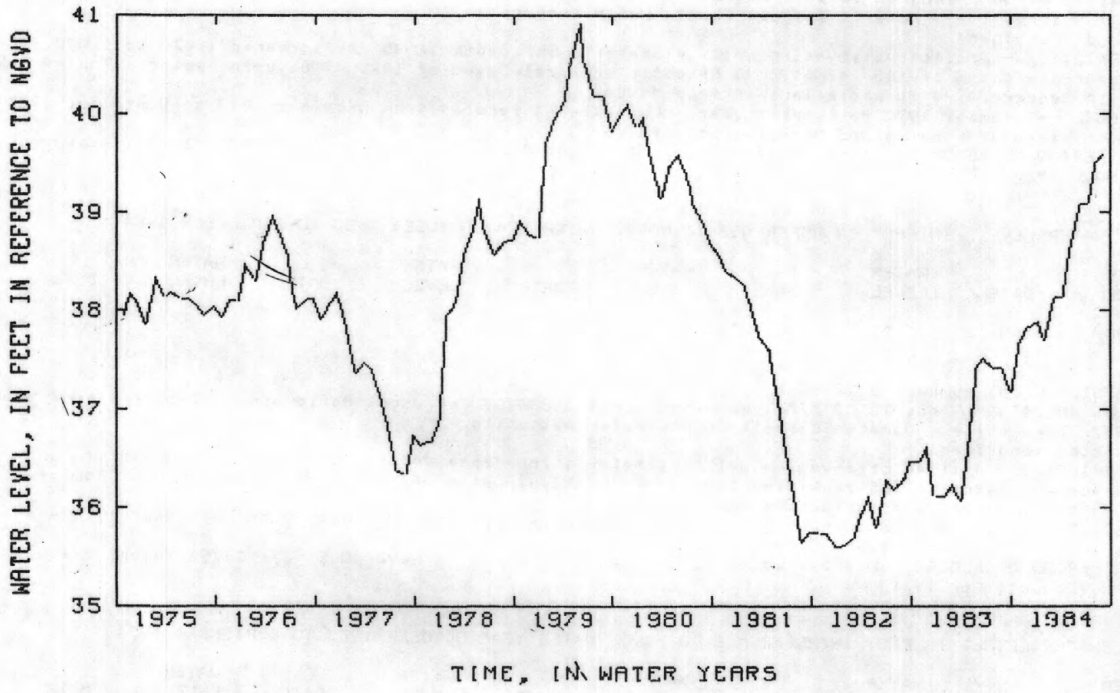
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 29	41.67	MAR 20	43.48	JUN 13	46.18	SEP 19	45.59				

SUFFOLK COUNTY--Continued

404935073055901. 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 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.34 ft above land-surface datum.
PERIOD OF RECORD.--October 1968 to current year. Unpublished records from 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	37.66	JAN 6	37.88	MAR 6	38.11	MAY 1	38.64	JUL 2	39.08	SEP 3	39.59
NOV 29	37.82	FEB 1	37.72	APR 2	38.13	JUN 5	39.06	AUG 1	39.50		

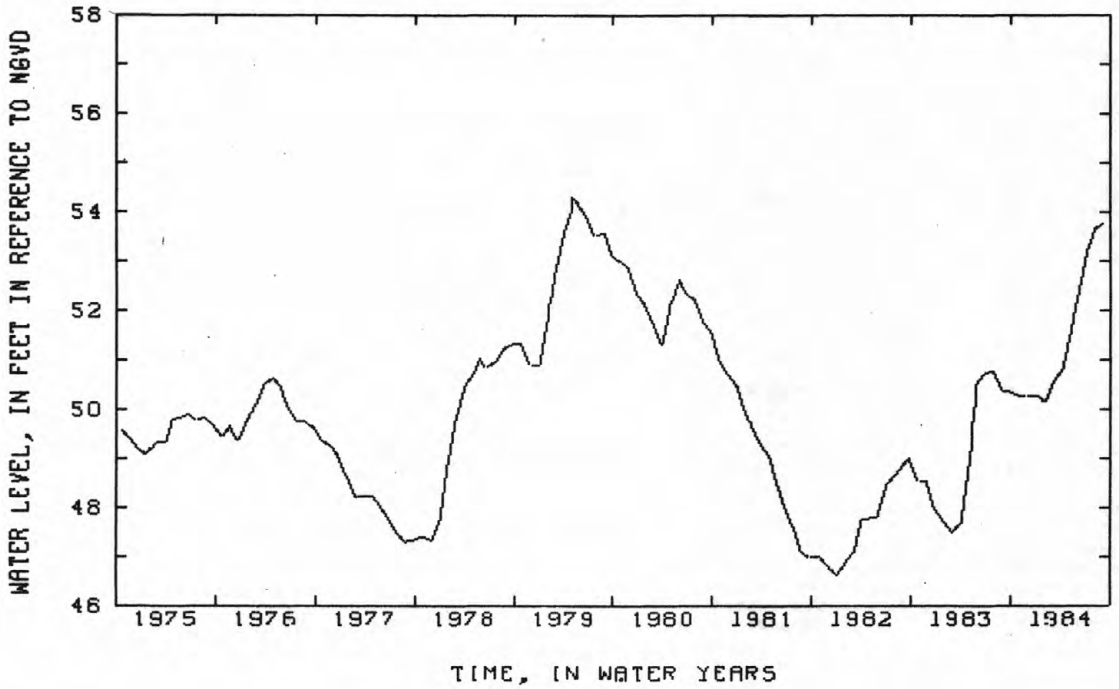


SUFFOLK COUNTY--Continued

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 134 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.63 ft above land-surface datum.
PERIOD OF RECORD.--October 1968 to current year. Unpublished records from 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	50.27	JAN 6	50.26	MAR 6	50.58	MAY 1	51.49	JUL 2	53.22	SEP 3	53.78
NOV 29	50.24	FEB 1	50.13	APR 2	50.79	JUN 5	52.49	AUG 1	53.67		



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 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 01.18 ft above land-surface datum.
PERIOD OF RECORD.--July 1970 to current year. Unpublished records from July 1970 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 52.82 ft NGVD, Sept. 15, 1984; lowest measured, 42.17 ft NGVD, Mar. 21, 1972.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR 3	49.29	JUN 8	50.49 G	JUN 13	50.76	JUN 22	51.12	SEP 15	52.82 G	SEP 27	52.09

G MEASUREMENT BY ANOTHER AGENCY

SUFFOLK COUNTY--Continued

405517072574902. 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 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 inch nipple, 3.82 ft above land-surface datum.
PERIOD OF RECORD.--March 1970 to current year. Unpublished records from March 1970 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 49.99 ft NGVD, Sept. 15, 1984; lowest measured, 40.56 ft NGVD, Mar. 15, 1972.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 14	45.03 G	MAR 20	46.43 G	JUN 8	47.66 G	JUN 22	48.61	SEP 15	49.99 G	SEP 27	49.51
JAN 9	46.06	APR 3	46.58	13	48.38						

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 from 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 29	32.86	JAN 3	32.89	MAR 21	33.82	MAR 26	32.63	JUN 14	35.23		

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 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 from 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 29	36.09	MAR 21	37.40	JUN 14	39.71						

SUFFOLK COUNTY--Continued

404707073023401. Local number, S 36145.1
LOCATION.--Lat 40°47'07", long 73°02'34", 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 45 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.70 ft below land-surface datum.
PERIOD OF RECORD.--March 1970 to current year. Unpublished records from 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 29	31.90	MAR 21	32.75	JUN 14	33.70						

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 84.0 ft screen assumed at bottom.
DATUM.--Land-surface datum is 100 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 from 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 4	35.81	APR 2	36.68	JUN 14	38.47	SEP 27	38.91				

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 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 from October 1971 to September 1977 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 69.60 ft NGVD, Sept. 19, 1984; lowest measured, 62.10 ft NGVD, Sept. 27, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 21	65.26	MAR 20	66.11	JUN 11	67.90	SEP 19	69.60				

SUFFOLK COUNTY--Continued

405124073111501. Local number, S 40843.1
LOCATION.--Lat 40°51'24", Long 73°11'15", Hydrologic Unit 02030201, at Middle Country Road & 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 from 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 21	35.69	MAR 20	35.99	JUN 11	37.75	SEP 19	36.25				

405223073021301. 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 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.
PERIOD OF RECORD.--February 1972 to current year. Unpublished records from 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 29	69.78	MAR 20	71.23	JUN 13	74.18	SEP 19	73.50				

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 from September 1979 to September 1982 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 69.61 ft NGVD, June 11, 1984; lowest measured, 67.21 ft NGVD, Mar. 17, 1983.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 21	67.75	MAR 20	68.68	JUN 11	69.61	SEP 19	69.18				

SUFFOLK COUNTY--Continued

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 from 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 NGVD, Jan. 13, 1983; lowest measured, 2.03 ft NGVD, Dec. 21, 1980.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 9	3.50	MAR 23	4.18	JUN 20	4.38	SEP 26	4.60				

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 from November 1972 to September 1982 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.30 ft NGVD, June 20, 1984; lowest measured, 9.84 ft NGVD, Dec. 26, 1974.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 9	11.48	MAR 23	11.82	JUN 20	13.30	SEP 26	12.51				

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 from 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 28	40.81	MAR 27	41.40	JUN 20	43.51	SEP 26	43.55				

SUFFOLK COUNTY--Continued

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 from November 1972 to September 1976 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.20 ft NGVD, June 21, 1884; lowest measured, 3.47 ft NGVD, Dec. 30, 1980.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 27	5.92	JUN 21	6.20								

405230072341901. Local number, S 46534.1
LOCATION.--Lat 40°52'30", 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 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 from 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 12	12.04	MAR 27	12.84	JUN 21	14.41	SEP 25	13.52				

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 56.2 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 from 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 6	12.56	MAR 27	13.71	JUN 21	15.00	SEP 25	14.19				

SUFFOLK COUNTY--Continued

405020072355801. Local number, S 46540.1
LOCATION.--Lat 40°50'20", 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 from 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 29	9.38	MAR 27	10.97	JUN 21	11.55	SEP 25	9.47				

405353072403801. Local number, S 46541.1
LOCATION.--Lat 40°53'42", long 72°40'57", 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 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 from 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 4	18.11	MAR 27	18.58	JUN 21	19.04	SEP 25	18.11				

405301072415101. Local number, S 46542.1
LOCATION.--Lat 40°53'01", 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 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 from 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, Sept. 25, 1984; lowest measured, 22.59 ft NGVD, Mar. 18, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 29	27.01	APR 2	27.37	JUN 21	29.00	SEP 25	30.42				

SUFFOLK COUNTY--Continued

405139072432401. Local number, S 46544.1
LOCATION.--Lat 40°51'39", long 72°43'24", 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 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 from 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 5	28.02	APR 2	28.40	JUN 21	30.26	SEP 25	31.25				

405330072443701. Local number, S 46545.1
LOCATION.--Lat 40°53'30", long 72°44'38", 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 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 from 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 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 2	39.48	APR 2	40.42	JUN 14	42.54	JUN 21	42.87	SEP 25	43.01		

405716072591701. 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 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 from December 1972 to September 1976 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.33 ft NGVD, Sept. 27, 1984; lowest measured, 8.59 ft NGVD, Mar. 16, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 10	10.73	APR 3	10.79	JUN 13	11.63	SEP 27	12.33				

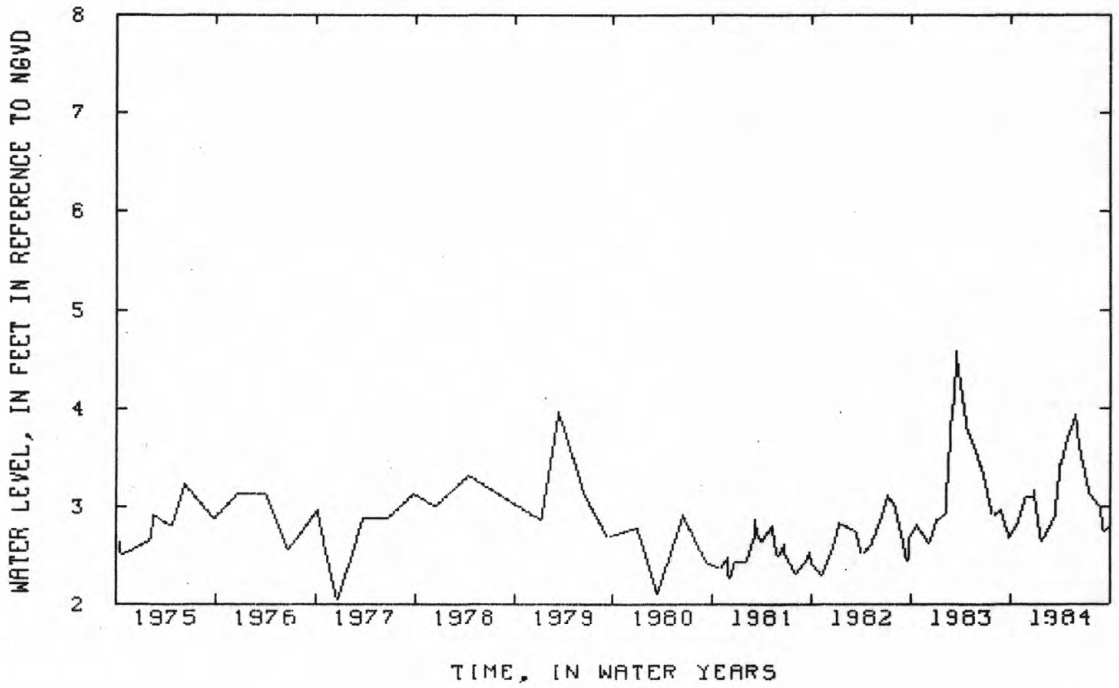
SUFFOLK COUNTY--Continued

410243071560101. Local number, S 48519.1
LOCATION.--Lat 41°02'42", long 71°56'05", Hydrographic Unit 02030202, at South Federal Street and South Fairview Avenue, East Hampton. Owner: Suffolk County Department of Health Services.
AQUIFER.--Upper Glacial (water table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in, depth 82 ft, screened 68 to 78 ft.
DATUM.--Land-surface datum is 63.5 ft National Geodetic Vertical Datum of 1929. Measuring Point: Top of Flange, 1.68 ft below land-surface datum.
PERIOD OF RECORD.--January 1974 to current year. Unpublished records from January 1974 to September 1983 are available in files of Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.59 ft NGVD Mar. 15, 1983, lowest measured, 2.07 ft NGVD Dec. 22, 1976.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	2.81	DEC 23	3.16 G	MAR 23	3.44 G	MAY 23	3.93	JUL 23	3.12	SEP 12	2.75 G
NOV 21	3.09	JAN 23	2.65	23	3.42	JUN 5	3.69 G	AUG 27	3.00	26	2.79
DEC 19	3.10	MAR 2	2.89	APR 23	3.71	19	3.47				

G MEASUREMENT BY ANOTHER AGENCY



SUFFOLK COUNTY--Continued

410149071583201. Local number, S 48577.1
LOCATION.--Lat 41°01'49", long 71°58'32", Hydrologic Unit 02030202, at Montauk Point Parkway, Hither Hills.
Owner: Suffolk County Department of Health Services.
AQUIFER.--Upper Glacial (water table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 6 in, depth 189 ft, screened 173 to 183 ft.
DATUM.--Land-surface datum is 168 ft National Geodetic Vertical Datun of 1929. Measuring Point: Top of Flange, 1.51 ft below land-surface datum.
PERIOD OF RECORD.--January 1974 to current year. Unpuolished records from January 1974 to September 1983 are available in files of Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.50 ft NGVD, Sept. 18, 1979; lowest measured, -0.54 ft NGVD May 5, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 19	4.14	MAR 23	3.95 G	JUN 5	4.10 G	JUN 19	4.29	SEP 12	4.14 G	SEP 26	4.37
23	4.20 G	23	3.90								

G MEASUREMENT BY ANOTHER AGENCY

410316071535501. Local number, S 48579.1
LOCATION.--Lat 41°03'16", long 71°53'54", Hydrologic Unit 02030202, at Montauk Highway, Montauk.
OWNER: Suffolk County Department of Health Services.
AQUIFER.--Upper Glacial (water table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 6in, depth66 ft, screened 53 to 56 ft.
DATUM.--Land-surface datum is 38 ft National Geodetic Vertical Datum of 1929. Measuring Point: Top of Flange, 0.95 ft below land-surface datum.
PERIOD OF RECORD.--January 1974 to current year. Unpublished records from January 1974 to September 1983 are available in files of Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.18 ft NGVD, JUNE 5, 1984; lowest measured, 2.46 ft NGVD, Dec. 22, 1976.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 19	3.20	MAR 23	3.78 G	JUN 5	4.18 G	JUN 19	4.08	SEP 12	3.33 G	SEP 26	3.32
23	3.40 G	23	3.80								

G MEASUREMENT BY ANOTHER AGENCY

405927072041901. Local number, S 57372.1
LOCATION.--Lat 40°59'27", long 72°04'19", Hydrologic Unit 02030202, at Montauk Highway, Napeague State Park.
Owner: U.S. Geological Survey.
AQUIFER.--Upper Glacial (water table).
WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 12 ft, screened 8 to 12 ft.
DATUM.--Land-surface datum is 8 ft National Geodetic Vertical Datum of 1929. Measuring Point: Top of coupling, 0.26 ft above land-surface datum.
PERIOD OF RECORD.--January 1976 to current year. Unpublished records from January 1976 to September 1983 are available in files of Long Island Subdistrict Office.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.11 ft NGVD, June 22, 1982; lowest measured 2.39 ft NGVD, Sept. 24, 1980.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

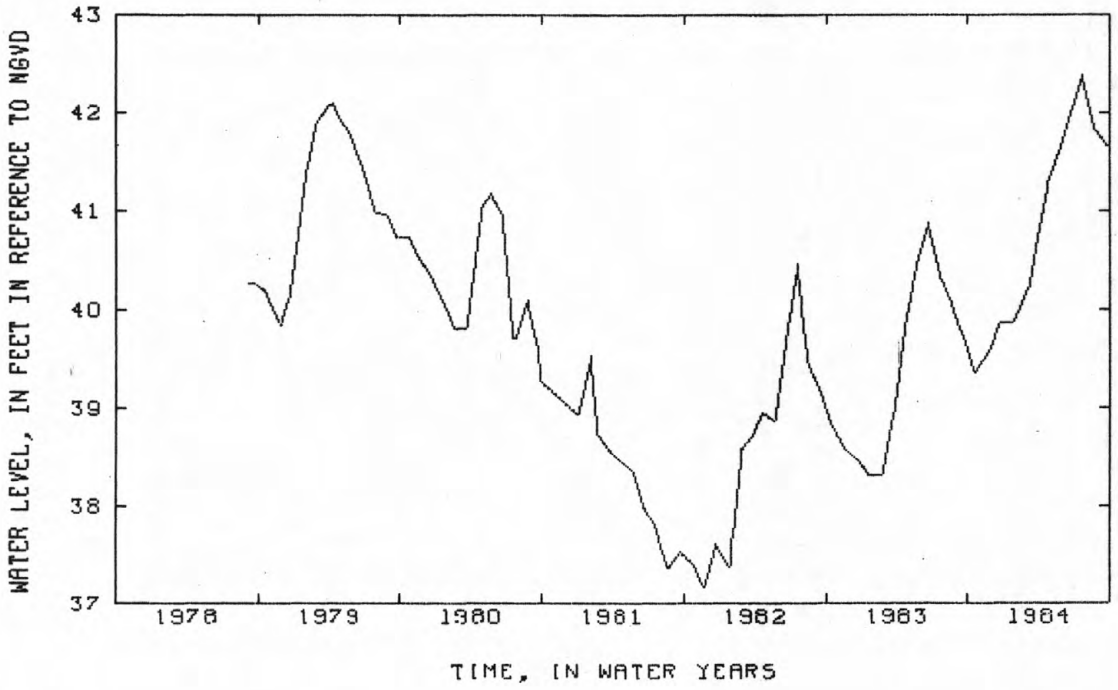
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 19	3.47	MAR 17	3.65	MAR 23	3.46	JUN 19	3.05	SEP 26	2.40		

SUFFOLK COUNTY--Continued

404813073084102. 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.--Replaced well S 1813.2 in September 1978. Record from November 1939 to September 1978 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--September 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.39 ft NGVD, July 23, 1984; lowest measured, 37.18 ft NGVD, Nov. 20, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	39.36	DEC 19	39.85	MAR 1	40.21	APR 23	41.30	JUN 20	42.02	AUG 28	41.81
NOV 22	39.59	JAN 24	39.86	22	40.67	MAY 23	41.61	JUL 23	42.39	SEP 24	41.65

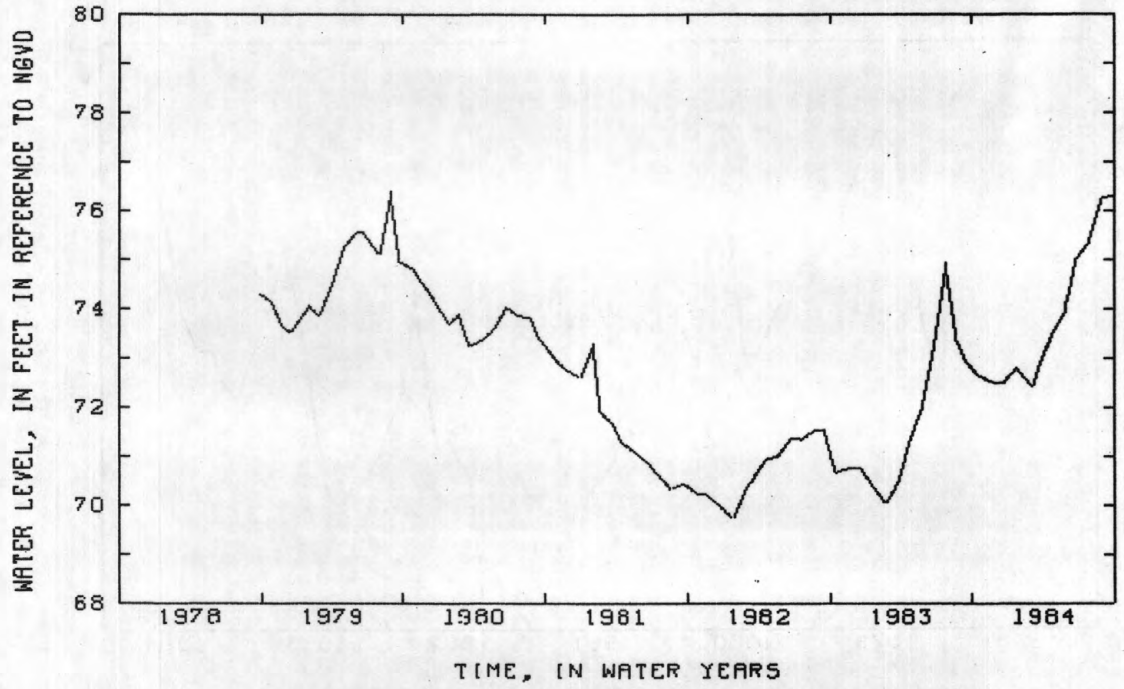


SUFFOLK COUNTY--Continued

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, which has a period of record from May 1942 to 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, 69.74 ft NGVD, Jan. 25, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	72.62	DEC 19	72.51	MAR 1	72.45	APR 23	73.51	JUN 20	74.99	AUG 28	76.23
NOV 22	72.51	JAN 24	72.80	22	72.95	MAY 23	73.91	JUL 23	75.31	SEP 24	76.30



404713072575701. Local number, S 65603.1
LOCATION.--Lat 40°47'18", long 72°57'52", 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 65 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 from 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.

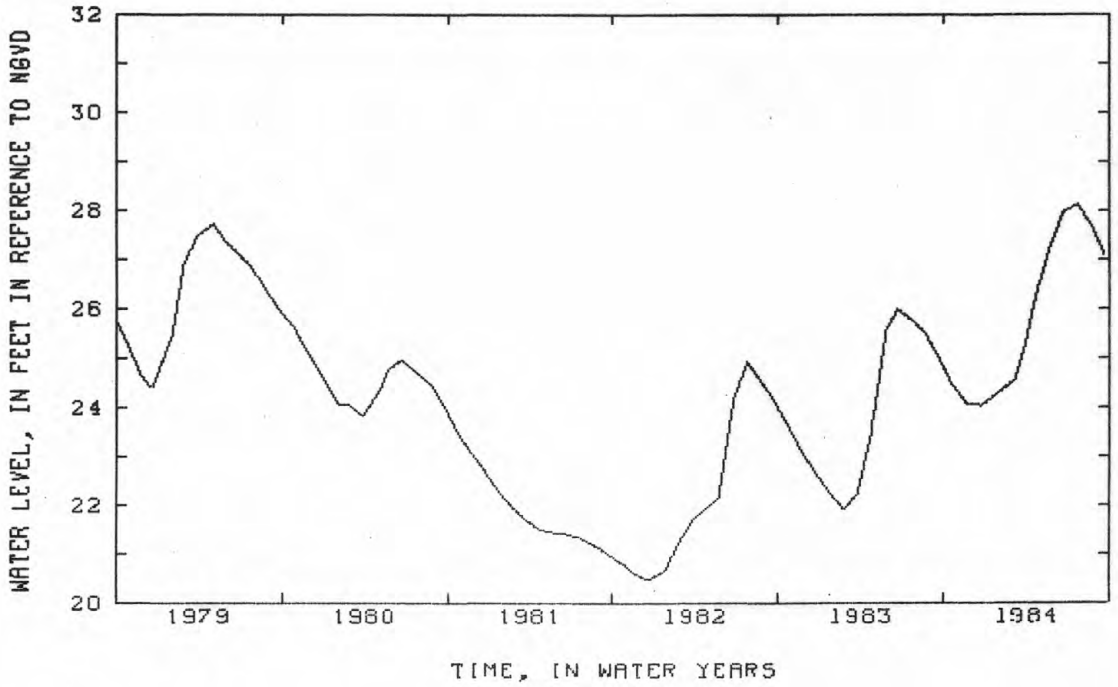
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR 3	27.93	JUN 14	29.39	SEP 27	28.69						

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, 0.18 ft below land-surface datum.
REMARKS.--Replaces well S 6439 in October 1978, which has a period of record from January 1949 to October 1978.
PERIOD OF RECORD.--October 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 28.14 ft NGVD, July 23, 1984, lowest measured, 20.48 ft NGVD, Dec. 21, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	24.44	DEC 19	24.05	MAR 2	24.55	APR 23	26.46	JUN 20	27.98	AUG 27	27.65
NOV 21	24.06	JAN 23	24.27	22	25.19	MAY 23	27.34	JUL 23	28.14	SEP 24	27.07



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.--Replaced well S 16777.2 in August 1978, record from September 1958 to August 1978 are available in files of Long Island Sub-district office.
PERIOD OF RECORD.--August 1978 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.89 ft NGVD, Mar. 6, 1979; lowest measured, 2.51 ft NGVD, Sept. 28, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 16	5.21 G	APR 11	7.11	JUN 7	7.52 G	JUN 22	7.54	SEP 10	6.59 G	SEP 27	6.20
MAR 20	7.10 G										

G MEASUREMENT BY ANOTHER AGENCY

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

NASSAU COUNTY

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

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
403818073421502	N 1114	112QLCLU	83-11-18	29	550	--	19.0	38	4.5
		112QLCLU	84-02-10	29	500	5.9	25.0	37	4.4
		112QLCLU	84-06-07	29	520	6.2	17.3	34	4.0
403715073423002	N 1116	112QLCLU	83-11-18	18	300	6.6	24.5	29	5.2
		112QLCLU	84-02-10	18	250	6.4	24.5	25	4.6
		112QLCLU	84-06-07	18	232	6.4	27.0	25	4.3
		112QLCLU	84-08-16	18	328	7.4	21.0	23	5.0
404125073394802	N 1129	112QLCLU	84-02-10	44	210	5.4	18.0	28	5.1
		112QLCLU	84-06-07	44	256	5.9	15.6	25	4.0
		112QLCLU	84-08-17	44	298	5.8	15.3	26	3.5

DATE OF SAMPLE	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, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
83-11-18	46	4.6	115	3.3	75	0.10	8.2	<0.010	1.10	1.10	0.020	36000
84-02-10	38	4.0	114	3.7	73	<0.10	8.5	0.010	1.10	1.10	0.010	44000
84-06-07	42	4.5	84	1.0	88	<0.10	7.4	<0.010	1.30	1.50	<0.010	41000
83-11-18	16	3.5	28	39	35	<0.10	4.5	<0.010	0.370	0.300	0.080	7600
84-02-10	14	4.7	38	30	31	<0.10	3.9	0.020	3.10	3.30	0.140	22000
84-06-07	12	3.0	24	40	26	<0.10	4.5	<0.010	0.100	--	<0.010	5600
84-08-16	12	2.6	37	35	26	<0.10	4.0	<0.010	0.560	0.370	0.020	23000
84-02-10	13	3.2	15	59	27	<0.10	5.8	0.010	0.110	0.080	<0.010	780
84-06-07	11	2.8	16	52	22	<0.10	5.1	<0.010	<0.010	0.030	<0.010	1200
84-08-17	12	2.6	15	57	20	<0.10	6.6	<0.010	0.150	<0.010	<0.010	980

DATE OF SAMPLE	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
83-11-18	330
84-02-10	380
84-06-07	280
83-11-18	130
84-02-10	1500
84-06-07	110
84-08-16	200
84-02-10	30
84-06-07	20
84-08-17	30

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

NASSAU COUNTY--Continued

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

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)
404736073353101	N 1176	211MGTY	83-11-15	198	300	5.7	12.0	19	5.8
		211MGTY	84-02-16	198	40	6.2	12.0	1.6	0.68
		211MGTY	84-05-18	198	50	5.8	11.3	1.4	0.60
		211MGTY	84-08-22	198	40	5.2	11.5	1.4	0.59
404659073332601	N 1194	112GLCLU	83-11-15	100	<50	5.5	11.0	1.5	0.91
		112GLCLU	84-02-16	100	275	6.1	12.0	18	5.5
		112GLCLU	84-05-18	100	290	6.1	11.4	17	5.0
		112GLCLU	84-08-22	100	287	5.7	12.5	15	4.5
404310073260102	N 1250	112GLCLU	83-11-21	34	375	--	16.5	24	4.9
		112GLCLU	84-02-09	34	350	5.9	17.0	21	5.6
		112GLCLU	84-06-01	34	333	6.1	15.9	17	7.6
		112GLCLU	84-08-24	34	324	6.0	16.5	13	6.3
404059073254002	N 1253	112GLCLU	83-11-18	29	300	5.7	21.0	31	5.2
		112GLCLU	83-11-21	29	650	6.0	15.0	33	3.9
		112GLCLU	84-02-09	29	600	5.8	14.5	31	3.7
		112GLCLU	84-06-01	29	584	6.2	14.0	29	3.2
		112GLCLU	84-08-24	29	953	--	13.5	44	4.8

DATE OF SAMPLE	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, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)
83-11-15	20	1.5	16	26	52	<0.10	11	<0.010	<0.010	0.030	0.010	1400
84-02-16	3.7	0.70	7.0	<0.2	5.9	<0.10	8.4	0.010	<0.010	<0.010	<0.010	2000
84-05-18	3.3	0.60	6.0	0.7	3.9	<0.10	8.3	0.070	0.700	0.810	0.010	2800
84-08-22	3.3	0.60	6.0	1.5	3.6	<0.10	8.2	<0.010	<0.010	<0.010	<0.010	2300
83-11-15	3.8	0.70	10	0.4	3.5	<0.10	8.3	<0.010	<0.010	0.090	0.010	3200
84-02-16	22	1.5	11	26	55	<0.10	11	0.010	0.020	0.070	0.010	1100
84-05-18	22	1.5	11	28	52	<0.10	11	0.060	0.640	0.760	<0.010	910
84-08-22	23	1.4	11	25	50	<0.10	10	<0.010	<0.010	0.100	<0.010	970
83-11-21	33	4.8	51	38	49	<0.10	6.2	<0.010	3.20	3.20	<0.010	1300
84-02-09	32	4.6	57	43	44	<0.10	6.1	<0.010	2.90	3.00	<0.010	1300
84-06-01	26	4.3	52	35	26	0.10	5.7	<0.010	2.40	2.60	<0.010	2000
84-08-24	26	5.5	56	35	29	<0.10	6.3	0.030	3.00	2.90	<0.010	1300
83-11-18	14	2.8	20	65	26	<0.10	5.7	<0.010	0.030	<0.010	<0.010	2400
83-11-21	68	8.5	74	47	130	<0.10	15	<0.010	4.40	5.80	0.010	330
84-02-09	68	9.5	64	57	120	<0.10	16	<0.010	7.80	7.80	<0.010	460
84-06-01	50	10	59	57	100	0.10	15	<0.010	13.0	12.0	<0.010	2200
84-08-24	80	10	58	41	260	<0.10	15	<0.010	12.0	12.0	<0.010	310

DATE OF SAMPLE	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)
83-11-15	30
84-02-16	20
84-05-18	10
84-08-22	20
83-11-15	40
84-02-16	30
84-05-18	10
84-08-22	20
83-11-21	1100
84-02-09	830
84-06-01	8000
84-08-24	520
83-11-18	50
83-11-21	7300
84-02-09	7000
84-06-01	6800
84-08-24	11000

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
404015073252701	N 1254	112GLCLU	83-11-21	29	375	6.2	18.0	29	4.9
		112GLCLU	84-02-09	29	340	5.6	15.0	22	3.7
		112GLCLU	84-06-01	29	328	5.7	16.3	22	4.0
		112GLCLU	84-08-24	29	533	6.1	18.3	28	4.5
403920073410701	N 1429	112GLCLU	83-11-18	24	460	5.5	19.0	49	7.0
		112GLCLU	84-02-10	24	325	5.6	18.0	38	5.3
		112GLCLU	84-06-07	24	427	5.3	17.8	34	5.3
404544073265502	N 7397	112GLCLU	83-11-15	101	3000	5.1	12.5	78	42
		112GLCLU	84-05-18	101	1000	6.0	11.2	11	11
		112GLCLU	84-08-22	101	909	5.0	12.7	6.4	6.2
404730073423101	N 8877	112GLCLU	83-11-18	76	175	6.5	14.0	11	6.6
		112GLCLU	84-02-21	76	175	6.3	14.0	11	6.5
		112GLCLU	84-06-04	76	157	6.8	16.0	11	6.8
		112GLCLU	84-08-14	76	178	6.2	16.8	11	6.7

DATE OF SAMPLE	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, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
83-11-21	28	3.8	22	47	41	<0.10	7.1	0.010	2.00	2.10	0.010	1200
84-02-09	22	3.3	58	45	40	<0.10	6.9	<0.010	2.20	2.10	<0.010	830
84-06-01	23	3.3	52	32	42	<0.10	5.5	<0.010	1.90	1.80	<0.010	5500
84-08-24	40	4.0	63	27	88	<0.10	6.7	<0.010	2.60	2.60	<0.010	1200
83-11-18	24	9.6	38	84	42	<0.10	8.3	<0.010	<0.010	<0.010	<0.010	750
84-02-10	20	7.9	47	67	37	<0.10	8.8	<0.010	<0.010	0.040	<0.010	700
84-06-07	23	8.6	44	32	69	<0.10	7.2	<0.010	0.160	0.170	<0.010	1500
83-11-15	450	4.4	5.0	7.7	1000	0.10	8.6	0.030	1.00	0.070	<0.010	2100
84-05-18	210	1.8	4.0	0.4	400	<0.10	6.0	0.060	0.080	<0.010	<0.010	2100
84-08-22	130	1.3	4.0	2.8	360	<0.10	5.6	<0.010	<0.010	0.020	<0.010	760
83-11-18	7.0	1.7	38	24	7.4	0.10	19	<0.010	0.500	<0.010	0.010	6400
84-02-21	6.8	1.6	36	23	8.0	<0.10	19	0.010	0.610	0.150	<0.010	6200
84-06-04	6.4	1.9	57	13	7.2	0.10	13	<0.010	0.060	0.170	<0.010	5100
84-08-14	6.2	1.7	37	27	8.5	<0.10	19	0.020	0.010	0.010	0.010	7300

DATE OF SAMPLE	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
83-11-21	9800
84-02-09	10000
84-06-01	10000
84-08-24	11000
83-11-18	40
84-02-10	70
84-06-07	360
83-11-15	570
84-05-18	130
84-08-22	80
83-11-18	160
84-02-21	140
84-06-04	110
84-08-14	180

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)	CALCIUM DISSOLVED (MG/L AS CA)	MAGNESIUM, DISSOLVED (MG/L AS MG)
404702073305601	N 8888	112GLCLU	83-11-15	111	400	5.8	14.5	--	--
		112GLCLU	83-12-05	111	309	5.6	--	--	--
		112GLCLU	84-02-16	111	350	5.7	14.0	17	3.0
		112GLCLU	84-05-18	111	365	5.8	13.9	18	3.0
		112GLCLU	84-08-22	111	377	5.6	14.7	17	2.9

DATE OF SAMPLE	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, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	IRON, TOTAL RECOVERABLE (UG/L AS FE)
83-11-15	--	--	21	35	43	<0.10	--	<0.010	0.150	0.080	<0.010	1600
83-12-05	--	--	--	40	--	--	--	0.005	--	--	--	240
84-02-16	37	5.0	10	37	43	<0.10	13	0.010	0.040	<0.010	<0.010	830
84-05-18	33	5.0	10	43	86	<0.10	13	0.060	0.700	0.630	<0.010	550
84-08-22	28	4.3	9.0	45	29	<0.10	12	<0.010	<0.010	<0.010	<0.010	1600

DATE OF SAMPLE	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
83-11-15	280
83-12-05	140
84-02-16	200
84-05-18	140
84-08-22	170

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404224073424003	N	13	211MGTY	84-01-09	290	222	5.7	--	--	71
			211MGTY	84-01-23	290	236	5.8	2.0	--	79
404437073402302	N	17	211MGTY	84-01-23	470	248	5.8	1.0	--	81
404650073440901	N	22	211MGTY	83-10-19	150	210	6.6	--	--	86
404833073414701	N	28	112GLCLU	84-04-24	137	--	6.6	--	3.1	40
404830073414801	N	29	112GLCLU	84-04-24	209	--	6.6	1.0	0.50	66
404856073442601	N	31	112PGQF	83-10-19	236	1450	6.8	--	--	370
405110073430401	N	36	112PGQF	83-10-25	216	260	7.0	--	0.90	110
405113073430201	N	37	112GLCLU	83-10-25	140	285	6.7	--	7.3	110
403535073352801	N	46	211LLYD	84-01-12	1266	52	5.9	--	5.8	13
403921073353201	N	68	211MGTY	84-01-23	512	--	4.9	--	--	--

DATE OF SAMPLE	HARD-NESS CAR-BONATE (MG/L-CACO3)	ACIDITY (MG/L AS 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)
84-01-09	37	--	14	8.2	13	1.2	8.0	50	16	12.6	126	1.2
84-01-23	35	--	--	--	--	--	21	61	13	--	--	1.3
84-01-23	44	--	--	--	--	--	15	29	26	--	--	6.0
83-10-19	44	22	--	10	9.7	1.5	49	22	12	--	173	3.7
84-04-24	--	--	--	--	6.0	--	38	23	10	--	100	1.1
84-04-24	--	--	--	--	7.3	--	56	33	10	--	140	1.0
83-10-19	190	15	--	44	150	3.2	47	54	390	--	1260	0.90
83-10-25	57	21	--	13	9.6	2.7	75	37	10	--	188	2.3
83-10-25	51	21	--	14	11	2.2	52	51	16	--	202	5.2
84-01-12	--	--	--	--	12	--	12	15	5.0	--	32	0.070
84-01-23	--	--	--	--	6.9	--	10	--	3.5	--	38	0.010

DATE OF SAMPLE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
84-01-09	0.002	--	130	--	--
84-01-23	--	--	--	--	--
84-01-23	--	--	--	--	--
83-10-19	--	--	--	--	--
84-04-24	--	--	--	--	--
84-04-24	--	--	240	60	--
83-10-19	--	--	300	80	20
83-10-25	--	30	70	50	30
83-10-25	--	100	--	--	40
84-01-12	--	--	2700	--	--
84-01-23	--	--	160	--	10

WATER GUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404105073373901	N 72	211MGTY	84-04-05	616	--	6.0	--	1.5	--
404139073383901	N 75	112GLCLU	83-11-08	184	185	5.6	--	1.8	40
404132073383301	N 76	112GLCLU	83-11-08	196	180	3.7	--	--	28
		112GLCLU	84-01-09	196	152	4.9	--	--	27
404256073370901	N 79	211MGTY	83-11-29	430	65	4.9	1.0	1.1	13
		211MGTY	84-01-11	430	69	5.3	--	--	18
404256073371501	N 80	211MGTY	83-12-06	483	38	5.6	--	2.9	8
		211MGTY	84-01-11	483	40	5.7	--	--	12
404306073371001	N 81	211MGTY	83-11-22	416	65	4.9	--	1.8	14
404308073370601	N 82	211MGTY	83-11-29	542	45	5.4	--	7.2	11
		211MGTY	84-01-11	542	51	5.9	--	--	16
404307073371201	N 83	211MGTY	83-11-22	403	105	4.6	--	1.0	22

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	ACIDITY (MG/L AS 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)
84-04-05	2	--	--	--	4.1	--	8.0	8.0	8.9	--	20	0.050
83-11-08	28	22	--	2.8	18	1.9	5.0	42	22	--	133	1.5
83-11-08	17	28	--	2.6	11	1.4	1.0	44	14	--	94	0.20
84-01-09	7	--	2.7	2.6	12	1.2	1.0	38	13	8.0	85	0.13
83-11-29	8	23	--	1.3	5.9	0.70	2.0	13	8.0	--	48	--
84-01-11	7	--	2.9	2.4	5.0	0.50	1.0	10	9.6	6.3	40	0.32
83-12-06	5	8.0	--	0.90	4.1	0.60	5.0	3.0	5.0	--	32	0.70
84-01-11	4	--	1.5	1.9	--	0.40	4.0	--	5.4	6.1	29	0.69
83-11-22	9	10	--	1.4	5.4	0.90	2.0	14	6.0	--	56	0.30
83-11-29	6	17	--	1.2	4.6	0.70	5.0	3.0	5.0	--	57	2.0
84-01-11	6	--	2.5	2.3	5.0	0.90	4.0	--	5.5	6.4	39	2.0
83-11-22	13	19	--	2.3	9.2	1.0	1.0	20	15	--	76	0.70

DATE OF SAMPLE	NITROGEN, NITRITE TOTAL (MG/L AS N)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
84-04-05	--	40	80	20	20
83-11-08	--	30	700	120	20
83-11-08	--	30	5400	290	--
84-01-09	0.001	--	5300	260	--
83-11-29	--	30	750	--	70
84-01-11	--	90	770	--	--
83-12-06	--	20	110	--	20
84-01-11	0.002	--	100	--	--
83-11-22	--	20	420	--	20
83-11-29	--	40	--	--	30
84-01-11	0.001	90	90	--	--
83-11-22	--	30	320	--	30

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404352073383001	N 95	211MGTY	84-01-03	539	73	5.4	--	--	16
404448073381201	N 97	211MGTY	84-05-24	375	--	6.0	--	--	--
404521073353426	N 101	211MGTY	84-05-17	341	128	6.1	--	6.9	30
403952073342002	N 133	211MGTY	84-01-23	529	--	5.1	--	--	--
		211MGTY	84-05-10	529	24	5.5	--	--	5
403951073341601	N 134	211MGTY	84-04-04	528	--	5.4	--	--	--
404917073292902	N 198	211MGTY	84-03-14	628	--	5.7	--	9.9	6
404922073292501	N 570	211MGTY	84-05-09	600	--	5.9	--	9.5	28
405231073323101	N 585	112GLCLU	84-01-24	78	90	7.0	--	9.5	29
405308073300001	N 590	112PGFG	84-01-05	165	180	6.5	3.0	--	60
404452073265001	N 617	211MGTY	83-10-28	180	300	5.2	--	--	47

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	ACIDITY (MG/L AS 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)
84-01-03	9	25	--	1.7	7.9	0.90	6.0	3.0	13	--	57	0.70
84-05-24	23	--	--	--	23	--	18	10	8.4	--	100	3.3
84-05-17	19	42	--	2.7	10	1.2	8.0	3.0	14	--	145	7.6
84-01-23	2	--	--	--	7.6	--	12	6.0	3.0	--	34	0.010
84-05-10	2	--	0.90	0.60	5.0	--	2.0	--	3.1	5.2	22	0.10
84-04-04	4	--	--	--	5.0	--	12	10	5.5	--	16	0.010
84-03-14	--	--	--	--	4.8	--	6.0	6.0	6.0	--	36	2.9
84-05-09	--	--	--	--	7.2	--	8.0	6.0	14	--	84	5.7
84-01-24	17	6.8	--	2.9	5.8	0.70	13	12	3.0	--	66	2.8
84-01-05	34	--	13	5.9	10	1.0	26	19	18	15.4	118	4.0
83-10-28	24	--	9.5	5.4	36	5.8	3.0	35	49	5.8	165	3.1

DATE OF SAMPLE	NITROGEN, NITRITE TOTAL (MG/L AS N)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
84-01-03	--	40	30	--	--
84-05-24	--	--	130	--	20
84-05-17	--	20	20	--	20
84-01-23	--	--	200	--	--
84-05-10	0.001	--	360	--	60
84-04-04	--	30	1200	30	30
84-03-14	--	--	--	--	30
84-05-09	--	--	--	--	30
84-01-24	--	60	40	--	--
84-01-05	0.004	110	760	--	--
83-10-28	0.009	--	800	360	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404534073393301	N	650	211MGTY	83-10-27	350	240	6.2	--	6.7	74
404534073393302	N	651	211MGTY	83-10-27	348	170	6.5	--	5.1	48
404743073444401	N	687	211LLYD	83-11-02	314	120	6.1	--	8.5	46
404229073424301	N	693	112GLCLU	84-01-23	98	419	6.0	1.0	--	120
404637073441101	N	700	112GLCLU	83-11-09	70	390	6.9	--	4.4	160
			112GLCLU	83-12-02	70	395	6.5	--	--	170
			112GLCLU	84-01-31	70	443	6.4	--	--	170
404359073361604	N	1160	112GLCLU	84-07-03	58	164	6.2	9.0	--	49
404614073330504	N	1195	211MGTY	84-05-17	116	289	5.8	7.0	--	120
404453073323902	N	1197	112GLCLU	84-05-03	69	377	5.4	1.0	--	65
404655073444501	N	1298	211LLYD	83-10-19	343	215	7.5	--	--	51
			211LLYD	84-01-26	343	189	6.7	--	--	73

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	ACIDITY (MG/L AS 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)
83-10-27	38	1.1	--	8.8	14	1.3	27	15	12	--	204	14
83-10-27	23	1.1	--	6.1	15	1.0	38	10	14	--	120	6.7
83-11-02	25	1.1	--	5.0	5.0	1.1	46	4.0	6.0	--	74	0.50
84-01-23	83	--	--	--	--	--	30	51	44	--	--	8.0
83-11-09	91	23	--	17	14	2.1	73	62	33	--	267	6.6
83-12-02	95	--	38	18	18	2.9	70	66	44	18.8	257	4.2
84-01-31	95	--	38	17	16	2.4	68	63	49	18.6	264	4.2
84-07-03	28	--	11	1.6	21	0.70	15	20	23	7.4	104	0.61
84-05-17	80	--	32	8.9	9.0	4.1	38	35	12	9.0	168	6.8
84-05-03	53	--	21	2.7	41	6.0	6.0	58	38	9.8	239	13
83-10-19	27	20	--	5.8	34	1.2	77	16	12	--	153	0.20
84-01-26	42	--	16	7.5	5.0	0.50	48	15	9.8	11.2	102	1.6

DATE OF SAMPLE	NITROGEN, NITRITE TOTAL (MG/L AS N)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
83-10-27	--	100	20	--	--
83-10-27	--	210	60	--	--
83-11-02	--	--	--	--	20
84-01-23	--	--	--	--	--
83-11-09	--	--	130	--	30
83-12-02	0.043	--	--	--	--
84-01-31	0.015	--	--	--	--
84-07-03	0.034	230	8200	290	--
84-05-17	0.006	--	3600	170	--
84-05-03	0.009	--	780	330	--
83-10-19	--	20	270	--	--
84-01-26	0.009	--	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404713073410501	N	1328	211LLYD	84-02-14	746	--	6.1	--	7.2	6
403850073423502	N	1346	112JMCO	84-03-02	141	--	5.8	2.0	0.30	29
404046073354601	N	1601	211MGTY	84-02-16	608	--	4.3	--	--	11
404029073393703	N	1602	211MGTY	84-02-10	488	--	5.2	--	0.1	12
404115073393301	N	1603	211MGTY	84-02-10	539	--	4.9	--	0.20	21
404631073421501	N	1618	211LLYD	84-02-07	556	--	5.9	--	2.7	16
404359073383201	N	1697	211MGTY	84-02-07	528	65	5.6	--	--	15
404908073410901	N	1715	211LLYD	84-06-28	490	--	6.0	--	7.1	42
404911073411101	N	1716	211LLYD	84-06-28	483	--	6.0	--	4.7	30
404532073420901	N	1802	211LLYD	84-02-21	703	--	6.0	--	6.3	36

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	ACIDITY (MG/L AS 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)
84-02-14	--	--	--	--	3.5	--	4.0	--	2.0	--	30	--
84-03-02	--	--	--	--	9.3	--	18	15	15	--	118	0.060
84-02-16	--	--	--	--	5.3	--	7.0	9.0	6.0	--	31	--
84-02-10	--	--	--	--	4.4	--	7.0	8.0	5.0	--	56	--
84-02-10	--	--	--	--	6.6	--	6.0	10	11	--	64	0.020
84-02-07	--	--	--	--	3.0	--	12	--	4.0	--	43	--
84-02-07	9	10	--	1.5	6.7	0.80	5.0	--	8.0	--	38	1.8
84-06-28	--	--	--	--	4.8	--	26	--	16	--	60	0.80
84-06-28	--	--	--	--	4.5	--	26	--	18	--	65	0.50
84-02-21	--	--	--	--	6.7	--	2.0	6.0	8.0	--	95	4.2

DATE OF SAMPLE	NITROGEN, NITRITE TOTAL (MG/L AS N)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
84-02-14	--	--	--	--	--
84-03-02	--	--	3700	140	--
84-02-16	--	--	900	10	--
84-02-10	--	--	180	20	--
84-02-10	--	--	90	10	--
84-02-07	--	20	--	--	20
84-02-07	--	30	--	--	--
84-06-28	--	--	--	--	--
84-06-28	--	--	--	--	--
84-02-21	--	--	50	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404528073414901	N 1804	211MGTY	83-10-20	256	268	6.3	--	--	82
404808073391001	N 1870	211MGTY	84-01-31	260	--	5.9	--	--	--
404409073271101	N 1937	211MGTY	84-02-15	150	127	5.7	--	--	19
404425073424801	N 1958	211LLYD	84-01-23	737	68	5.6	1.0	--	19
404731073400701	N 2028	211MGTY	84-02-07	494	--	6.6	--	9.1	82
404829073395301	N 2052	211MGTY	83-10-18	331	--	5.9	--	8.4	36
		211MGTY	84-03-14	331	--	6.1	1.0	8.3	32
		211MGTY	84-06-06	331	--	5.8	--	8.4	32
404826073450401	N 2214	211LLYD	83-10-19	292	390	6.9	--	--	140
404138073384201	N 2239	112GLCLU	83-10-27	178	170	4.9	2.0	--	35
404708073383601	N 2400	211MGTY	84-01-10	444	--	6.7	--	--	--
		211MGTY	84-04-17	444	--	5.7	--	--	--

DATE OF SAMPLE	HARD-NESS CAR-BONATE (MG/L-CACO3)	ACIDITY (MG/L AS 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)
83-10-20	44	--	17	9.3	24	2.1	33	24	41	16.9	168	3.4
84-01-31	8	--	--	--	7.6	--	13	6.0	5.5	--	18	1.8
84-02-15	7	--	2.8	2.9	16	0.90	6.0	--	20	7.2	80	4.5
84-01-23	10	--	--	--	--	--	19	8.0	4.0	--	--	0.10
84-02-07	--	--	--	--	10	--	62	18	16	--	180	3.8
83-10-18	--	--	--	--	6.8	--	20	11	8.0	--	99	5.2
84-03-14	--	--	--	--	6.5	--	18	8.0	4.0	--	79	4.3
84-06-06	--	--	--	--	6.8	--	24	--	12	--	75	4.5
83-10-19	74	20	--	15	25	2.5	94	33	39	--	291	3.4
83-10-27	22	5.7	--	3.2	13	2.2	4.0	45	17	--	105	2.2
84-01-10	15	--	--	--	10	--	29	7.0	7.0	--	50	2.5
84-04-17	17	--	--	--	3.5	--	12	7.0	7.4	--	82	3.3

DATE OF SAMPLE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
83-10-20	0.002	--	--	--	--
84-01-31	--	--	--	--	--
84-02-15	0.005	180	--	--	--
84-01-23	--	--	--	--	--
84-02-07	--	--	--	--	--
83-10-18	--	50	--	--	--
84-03-14	--	80	--	--	--
84-06-06	--	70	--	--	--
83-10-19	--	--	--	20	--
83-10-27	--	30	870	170	30
84-01-10	--	--	160	--	20
84-04-17	--	50	60	--	20

WATER GUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
405125073280501	N 2409	112GLCLU	84-07-25	93	42	5.8	--	--	5
404434073394001	N 2565	211MGTY	83-10-28	410	270	6.2	--	7.9	83
403955073361501	N 2613	211MGTY	84-04-13	505	--	4.4	--	--	7
404445073365101	N 2748	211MGTY	84-04-05	515	75	5.8	--	--	19
405252073292801	N 2920	211LLYD	83-12-06	515	55	5.8	--	5.5	16
404412073384701	N 3185	211MGTY	84-05-24	468	--	6.0	--	--	--
404818073434601	N 3443	211LLYD	83-10-19	471	220	6.7	--	--	92
		211LLYD	84-01-31	471	248	6.6	--	--	95
404302073332504	N 3456	211MGTY	84-01-12	560	94	6.3	--	9.0	27
404305073333104	N 3465	211MGTY	83-12-28	585	45	5.5	--	6.6	33
		211MGTY	84-01-25	585	63	5.8	--	--	15

DATE OF SAMPLE	HARD-NESS CAR-BONATE (MG/L-CACO3)	ACIDITY (MG/L AS 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)
84-07-25	5	--	2.0	--	--	0.50	5.0	--	2.5	6.0	29	1.4
83-10-28	43	4.5	--	9.8	16	1.6	22	22	19	--	211	16
84-04-13	--	--	--	--	3.6	--	5.0	7.0	3.5	--	28	--
84-04-05	11	9.2	--	2.0	5.4	0.80	6.0	3.0	15	--	54	3.2
83-12-06	10	--	--	1.6	4.3	0.80	17	--	3.0	--	40	0.70
84-05-24	42	--	--	--	38	--	12	19	25	--	148	4.4
83-10-19	45	19	--	11	9.5	1.4	54	25	12	--	183	3.4
84-01-31	49	--	19	11	8.0	0.90	46	27	24	17.6	149	3.0
84-01-12	--	--	--	--	6.4	--	16	--	12	--	64	3.0
83-12-28	--	--	--	--	5.8	--	28	--	10	--	39	1.3
84-01-25	7	--	2.7	2.1	4.0	0.50	2.0	--	6.9	6.0	41	2.7

DATE OF SAMPLE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
84-07-25	--	--	50	--	--
83-10-28	--	210	60	--	30
84-04-13	--	10	590	--	--
84-04-05	--	20	30	--	--
83-12-06	--	--	--	--	--
84-05-24	--	--	100	30	30
83-10-19	--	--	30	--	--
84-01-31	0.004	--	--	--	--
84-01-12	--	--	40	--	--
83-12-28	--	--	--	--	--
84-01-25	0.001	--	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404847073344001	N 3474	211MGTY	84-06-27	517	--	5.5	--	11.0	20
404850073344501	N 3475	211MGTY	84-06-27	487	--	5.4	--	12.0	28
404108073393702	N 3520	211MGTY	84-06-21	178	--	4.2	--	0.20	40
404804073411301	N 3523	211MGTY	84-01-26	326	255	6.6	--	--	86
		211MGTY	84-02-07	326	--	6.4	--	9.1	84
404833073414601	N 3540	112GLCLU	84-04-24	207	--	6.6	4.0	2.7	110
404150073373201	N 3668	211MGTY	83-11-29	505	40	5.0	--	2.9	6
404459073402401	N 3672	211MGTY	83-10-27	452	190	6.7	--	5.1	54
404502073402401	N 3673	211MGTY	83-10-27	434	115	5.9	--	7.6	31
403536073394401	N 3687	211LLYD	84-02-01	1251	76	5.8	26	--	9
		211LLYD	84-02-02	1251	--	6.1	--	--	--

DATE OF SAMPLE	HARD-NESS CAR-BONATE (MG/L-CACO3)	ACIDITY (MG/L AS 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)
84-06-27	--	--	--	--	4.2	--	12	--	12	--	36	1.0
84-06-27	--	--	--	--	5.6	--	16	--	12	--	61	2.4
84-06-21	--	--	--	--	20	--	10	26	37	--	97	--
84-01-26	45	--	17	10	10	1.2	38	27	14	16.8	154	7.6
84-02-07	--	--	--	--	12	--	46	--	12	--	170	8.2
84-04-24	--	--	--	--	13	--	66	40	22	--	200	4.1
83-11-29	4	18	--	0.60	4.5	0.60	3.0	6.0	5.0	--	52	--
83-10-27	25	--	--	7.1	17	1.1	52	13	10	--	124	4.2
83-10-27	16	4.5	--	3.7	6.8	0.90	13	10	10	--	90	4.6
84-02-01	2	--	0.70	0.10	6.0	0.50	8.0	18	7.6	8.9	52	0.39
84-02-02	4	--	--	--	7.6	--	17	19	4.0	--	34	--

DATE OF SAMPLE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
84-06-27	--	80	--	--	--
84-06-27	--	20	--	--	--
84-06-21	--	20	880	30	--
84-01-26	0.008	--	--	--	--
84-02-07	--	--	--	--	--
84-04-24	--	--	180	--	70
83-11-29	--	50	540	--	40
83-10-27	--	--	40	--	--
83-10-27	--	210	40	--	30
84-02-01	0.006	--	3700	--	--
84-02-02	--	--	2300	90	20

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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	84-05-01	89	394	5.7	--	--	80
404132073383302	N	3704	112GLCLU	83-10-27	159	170	4.5	1.0	4.4	44
404113073403901	N	3720	211MGTY	84-01-23	521	74	5.4	1.0	--	21
404048073354701	N	3722	112GLCLU	84-05-23	81	139	7.0	--	4.0	46
404628073383101	N	3733	211MGTY	84-05-22	455	46	6.3	--	2.4	11
404031073414601	N	3781	211MGTY	84-02-17	435	--	5.5	--	0.30	36
404321073402101	N	3881	211MGTY	84-01-03	470	100	5.8	--	--	31
404119073323001	N	3895	211MGTY	84-01-12	349	100	5.1	--	--	19
404544073415101	N	3905	211MGTY	84-02-21	259	--	6.3	--	6.2	70
405044073405501	N	3912	112GLCLU	83-10-19	101	155	7.0	2.0	--	1

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	ACIDITY (MG/L AS 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)
84-05-01	61	--	24	4.6	40	3.7	11	24	58	7.6	229	13
83-10-27	31	10	--	3.2	10	2.1	2.0	41	17	--	123	1.8
84-01-23	10	--	--	--	--	--	11	14	6.0	--	--	0.10
84-05-23	24	13	--	5.4	7.8	0.90	18	20	9.0	--	134	4.8
84-05-22	7	11	--	1.1	4.2	0.60	10	2.0	4.0	--	45	3.7
84-02-17	--	--	--	--	8.4	--	30	26	19	--	54	--
84-01-03	16	11	--	3.8	7.5	1.1	10	--	10	--	79	5.8
84-01-12	7	--	2.8	2.5	13	0.40	1.0	24	9.1	6.0	60	0.14
84-02-21	--	--	--	--	11	--	48	17	20	--	150	2.7
83-10-19	--	--	0.10	0.10	53	0.20	45	15	6.2	14.3	124	1.8

DATE OF SAMPLE	NITROGEN, NITRITE TOTAL (MG/L AS N)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
84-05-01	0.006	--	150	--	--
83-10-27	--	30	980	90	--
84-01-23	--	--	--	--	--
84-05-23	--	40	--	--	30
84-05-22	--	60	--	--	--
84-02-17	--	--	720	140	--
84-01-03	--	--	--	--	--
84-01-12	--	140	780	--	--
84-02-21	--	--	80	--	--
83-10-19	0.003	110	100	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404403073370901	N 3934	211MGTY	84-01-03	422	170	5.6	--	--	43
404401073370501	N 3935	211MGTY	84-03-06	415	150	5.6	--	--	25
404001073401901	N 3937	211MGTY	84-04-06	464	--	4.9	--	--	10
404307073275101	N 4043	211MGTY	84-02-07	374	40	4.2	--	0.60	6
		211MGTY	84-04-18	374	43	4.6	--	--	5
404323073413801	N 4077	112GLCLU	84-01-23	90	171	6.0	--	--	46
404525073373201	N 4082	211MGTY	84-05-24	467	--	6.0	--	--	--
404636073280701	N 4095	211MGTY	83-10-28	495	35	5.5	--	6.9	7
404639073280201	N 4096	211MGTY	83-10-28	499	50	5.3	--	7.4	12
404631073293901	N 4097	211MGTY	83-12-15	470	112	5.0	--	6.7	28
404129073384401	N 4118	112GLCLU	83-11-09	204	175	5.0	--	--	38

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	ACIDITY (MG/L AS 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)
84-01-03	24	14	--	4.6	14	1.7	5.0	20	21	--	118	5.0
84-03-06	15	9.1	--	2.4	14	1.0	4.0	11	18	--	85	2.5
84-04-06	--	--	--	--	4.7	--	7.0	11	4.5	--	54	--
84-02-07	5	12	--	0.40	2.8	0.40	--	5.0	3.0	--	35	0.40
84-04-18	3	--	1.2	0.40	--	0.60	1.0	7.0	8.5	4.8	27	0.13
84-01-23	33	--	--	--	--	--	19	12	26	--	--	1.8
84-05-24	8	--	--	--	21	--	10	6.0	6.0	--	48	1.6
83-10-28	5	4.5	--	0.40	3.0	0.40	3.0	--	9.0	--	21	1.4
83-10-28	9	8.0	--	0.80	4.6	0.50	4.0	--	10	--	48	3.0
83-12-15	18	18	--	2.4	9.3	0.70	4.0	--	12	--	118	9.5
83-11-09	27	29	--	2.8	17	2.3	4.0	49	19	--	125	0.50

DATE OF SAMPLE	NITROGEN, NITRITE TOTAL (MG/L AS N)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
84-01-03	--	70	--	--	--
84-03-06	--	60	--	--	--
84-04-06	--	30	620	50	--
84-02-07	--	320	280	--	50
84-04-18	0.002	--	420	--	--
84-01-23	--	--	--	--	--
84-05-24	--	--	130	--	20
83-10-28	--	30	--	--	30
83-10-28	--	30	20	--	--
83-12-15	--	60	50	--	--
83-11-09	--	60	1400	140	30

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
403941073364201	N	4132	211MGTY	84-03-15	626	--	4.3	--	--	5
404526073415801	N	4173	211MGTY	83-10-20	260	295	6.6	1.0	--	90
404524073363201	N	4206	211MGTY	84-04-26	360	125	6.3	--	--	35
404855073404701	N	4223	112GLCLU	83-10-18	326	--	6.2	--	5.7	58
			112GLCLU	84-03-14	326	--	6.4	--	5.1	56
			112GLCLU	84-06-06	326	--	6.0	--	5.4	62
405040073283501	N	4243	211MGTY	84-02-21	260	--	6.5	1.0	6.5	76
404736073321201	N	4245	211MGTY	84-03-14	571	--	5.9	--	9.3	24
404755073372401	N	4265	211MGTY	84-01-31	490	--	6.0	--	--	--
			211MGTY	84-04-17	490	--	5.9	--	10.3	--
404621073392301	N	4327	211MGTY	84-05-23	430	140	6.8	--	7.4	44

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	ACIDITY (MG/L AS 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)
84-03-15	--	--	--	--	3.3	--	7.0	5.0	3.5	--	22	--
83-10-20	50	--	20	9.4	29	2.3	29	21	53	18.3	186	3.1
84-04-26	20	22	--	3.6	8.6	1.6	13	9.0	12	--	124	5.5
83-10-18	--	--	--	--	4.3	--	42	13	8.0	--	110	5.5
84-03-14	--	--	--	--	8.5	--	40	12	12	--	110	4.9
84-06-06	--	--	--	--	9.5	--	42	10	18	--	130	4.5
84-02-21	--	--	--	--	12	--	58	20	18	--	170	2.6
84-03-14	--	--	--	--	7.3	--	18	6.0	8.0	--	57	4.2
84-01-31	4	--	--	--	1.8	--	11	6.0	4.5	--	10	0.31
84-04-17	6	--	--	--	1.4	--	12	8.0	3.5	--	66	0.20
84-05-23	22	19	--	5.4	8.7	1.0	17	9.0	9.0	--	115	6.7

DATE OF SAMPLE	NITROGEN, NITRITE TOTAL (MG/L AS N)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
84-03-15	--	90	320	--	60
83-10-20	0.003	--	380	--	--
84-04-26	--	20	--	--	--
83-10-18	--	40	--	--	--
84-03-14	--	290	120	--	70
84-06-06	--	260	--	--	20
84-02-21	--	--	60	--	--
84-03-14	--	--	--	--	30
84-01-31	--	130	--	--	--
84-04-17	--	120	80	--	30
84-05-23	--	50	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404652073440101	N	4388	211MGTY	83-11-02	145	320	6.1	--	7.3	130
			211MGTY	83-12-01	145	261	6.4	--	--	110
405056073410903	N	4389	112GLCLU	83-10-25	228	205	6.7	--	3.8	81
404514073412402	N	4390	211MGTY	84-01-23	301	341	6.2	--	--	110
405221073300701	N	4400	211MGTY	84-01-17	302	90	6.1	--	5.9	30
403515073431001	N	4405	211LLYD	84-06-15	1080	--	5.9	--	--	10
403920073404401	N	4411	211MGTY	84-06-15	555	--	5.0	--	0.20	9
404311073332701	N	4447	211MGTY	84-01-12	335	260	5.3	--	7.6	110
404306073332901	N	4448	211MGTY	84-01-25	555	38	5.9	--	--	10
404323073314601	N	4450	211MGTY	84-01-09	472	90	5.3	--	--	11
			211MGTY	84-01-30	472	92	5.4	--	--	6

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	ACIDITY (MG/L AS 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)
83-11-02	68	11	--	14	13	1.9	53	50	30	--	204	4.0
83-12-01	61	--	24	11	11	1.9	54	40	26	15.0	180	3.6
83-10-25	46	14	--	8.6	7.4	1.5	49	14	6.0	--	154	2.6
84-01-23	64	--	--	--	--	--	47	32	34	--	--	4.0
84-01-17	18	1.1	--	3.0	5.9	1.1	22	6.0	6.0	--	65	2.0
84-06-15	--	--	--	--	12	--	19	19	12	--	130	--
84-06-15	--	--	--	--	3.4	--	8.0	4.0	3.5	--	19	--
84-01-12	--	--	--	--	8.6	--	7.0	34	30	--	166	8.9
84-01-25	3	--	1.3	1.7	--	0.30	4.0	--	4.5	5.9	30	1.3
84-01-09	6	--	2.4	1.1	11	0.50	2.0	--	14	5.9	58	3.5
84-01-30	6	--	2.4	0.10	8.0	0.20	3.0	--	18	6.9	60	3.8

DATE OF SAMPLE	NITROGEN, NITRITE TOTAL (MG/L AS N)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
83-11-02	--	--	--	--	20
83-12-01	0.003	--	--	--	--
83-10-25	--	--	--	20	--
84-01-23	--	--	--	--	--
84-01-17	--	20	20	20	--
84-06-15	--	--	5700	130	--
84-06-15	--	--	100	--	--
84-01-12	--	--	80	20	--
84-01-25	0.002	--	--	--	--
84-01-09	--	--	--	--	--
84-01-30	0.004	--	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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	84-07-09	450	--	5.1	--	--	--
404722073394801	N	4623	211MGTY	84-01-24	503	--	6.6	--	--	--
			211MGTY	84-04-24	503	--	6.8	--	--	--
404209073345501	N	4757	211MGTY	84-02-02	324	25	5.8	--	--	1
405108073312001	N	4760	112QLCLU	83-12-02	247	--	7.5	--	10.5	46
405011073414701	N	4860	112QLCLU	84-06-28	93	--	5.8	--	7.7	84
404552073342001	N	5007	211MGTY	84-05-24	259	50	6.6	--	--	11
404647073423501	N	5099	211MGTY	84-05-01	399	--	6.4	--	6.7	46
403956073410401	N	5121	211MGTY	84-06-21	547	--	5.4	--	--	14
404214073262201	N	5147	211MGTY	83-10-24	219	240	4.7	--	--	44
405325073351401	N	5152	112PGQF	83-10-10	360	120	6.2	--	7.7	37

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	ACIDITY (MG/L AS 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)
84-07-09	--	--	--	--	11	--	4.0	10	4.5	--	30	0.040
84-01-24	25	--	--	--	11	--	13	6.0	12	--	75	4.2
84-04-24	21	--	--	--	14	--	16	9.0	7.9	--	64	3.9
84-02-02	1	--	0.20	--	--	0.20	4.0	--	6.0	6.6	24	0.52
83-12-02	--	--	--	--	--	--	22	23	12	--	75	3.0
84-06-28	--	--	--	--	15	--	38	33	32	--	170	4.3
84-05-24	7	10	--	0.90	4.7	0.50	7.0	3.0	3.0	--	33	2.0
84-05-01	--	--	--	--	5.3	--	34	8.0	10	--	81	1.7
84-06-21	--	--	--	--	4.2	--	10	7.0	4.5	--	33	--
83-10-24	25	40	--	4.5	22	1.3	2.0	46	34	--	159	--
83-10-10	21	9.1	--	3.8	7.9	1.1	26	7.0	5.0	--	101	3.4

DATE OF SAMPLE	NITROGEN, NITRITE TOTAL (MG/L AS N)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
84-07-09	--	150	1100	--	20
84-01-24	--	--	--	--	--
84-04-24	0.035	--	--	--	20
84-02-02	0.003	--	--	--	--
83-12-02	--	--	--	--	20
84-06-28	--	80	--	--	60
84-05-24	--	90	--	--	--
84-05-01	--	--	--	--	--
84-06-21	--	10	300	--	--
83-10-24	--	--	2900	120	40
83-10-10	--	20	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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	84-05-31	328	--	4.1	--	0.1	26
404239073420201	N	5156	211MGTY	84-01-23	336	181	5.9	2.0	--	54
404402073385901	N	5163	211MGTY	84-02-07	480	115	5.9	--	--	35
404041073343802	N	5187	211MGTY	84-02-24	501	25	5.6	--	--	3
			211MGTY	84-03-15	501	--	4.7	--	--	4
403924073392201	N	5194	211MGTY	84-04-05	520	--	4.2	--	1.1	--
403924073391901	N	5195	211MGTY	84-04-05	340	--	5.1	--	1.2	--
404941073403001	N	5209	112GLCLU	83-10-18	300	--	6.2	--	7.9	78
			112GLCLU	84-03-14	300	--	6.4	--	7.5	88
			112GLCLU	84-06-06	300	--	6.0	--	7.7	92
403532073353401	N	5227	211LLYD	84-02-02	1265	71	6.3	17	--	8
404135073383701	N	5260	211MGTY	83-11-01	519	50	5.1	--	--	9

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	ACIDITY (MG/L AS 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)
84-05-31	--	--	--	--	8.0	--	--	16	15	--	65	--
84-01-23	31	--	--	--	--	--	17	24	19	--	--	2.2
84-02-07	20	5.7	--	3.9	10	1.1	10	6.0	14	--	32	4.7
84-02-24	1	--	0.60	--	3.0	0.30	3.0	--	4.0	5.5	21	--
84-03-15	--	--	--	--	2.5	--	7.0	3.0	3.5	--	18	--
84-04-05	2	--	--	--	4.8	--	5.0	15	5.0	--	34	0.010
84-04-05	2	--	--	--	4.4	--	8.0	9.0	3.5	--	26	0.010
83-10-18	--	--	--	--	15	--	30	30	36	--	150	2.5
84-03-14	--	--	--	--	21	--	30	27	56	--	210	2.2
84-06-06	--	--	--	--	20	--	36	34	46	--	210	2.4
84-02-02	1	--	0.30	0.10	6.0	0.20	6.0	12	9.5	8.6	45	0.20
83-11-01	5	11	--	0.90	4.0	0.60	4.0	10	3.0	--	31	--

DATE OF SAMPLE	NITROGEN, NITRITE TOTAL (MG/L AS N)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
84-05-31	--	60	1000	30	50
84-01-23	--	--	--	--	--
84-02-07	--	40	50	--	--
84-02-24	0.003	--	330	--	--
84-03-15	--	--	200	--	--
84-04-05	--	60	580	20	20
84-04-05	--	30	180	--	30
83-10-18	--	--	--	--	--
84-03-14	--	100	--	--	--
84-06-06	--	20	--	--	--
84-02-02	0.007	--	4000	50	--
83-11-01	--	20	930	50	20

WATER GUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404246073314301	N	5302	211MGTY	84-05-09	489	24	5.3	--	--	3
404253073300601	N	5303	211MGTY	84-06-12	512	67	4.8	1.0	5.6	14
403520073382901	N	5308	211LLYD	84-03-29	1225	--	5.9	--	2.7	--
404155073345001	N	5318	211MGTY	84-01-12	315	46	6.2	--	5.3	13
404155073344801	N	5320	211MGTY	84-01-12	384	28	5.8	--	8.9	15
			211MGTY	84-02-02	384	24	5.7	--	--	2
404243073315802	N	5322	211MGTY	83-12-28	515	50	7.7	--	7.2	38
404441073320801	N	5336	211MGTY	83-12-29	528	29	5.5	--	4.4	6
404419073364304	N	5484	211MGTY	84-01-12	575	75	6.0	1.0	6.4	24
			211MGTY	84-05-09	575	76	5.5	--	--	19
404423073365503	N	5485	211MGTY	84-01-30	557	142	5.7	--	--	30

DATE OF SAMPLE	HARD-NESS CAR-BONATE (MG/L-CACO3)	ACIDITY (MG/L AS 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)
84-05-09	2	--	1.0	--	--	--	3.0	--	2.2	5.1	19	0.13
84-06-12	--	--	--	--	6.0	--	3.0	5.0	12	--	9	--
84-03-29	10	--	--	--	3.8	--	18	23	4.5	--	76	0.010
84-01-12	--	--	--	--	7.6	--	13	6.0	6.2	--	25	0.11
84-01-12	--	--	--	--	8.9	--	9.0	--	6.3	--	18	0.22
84-02-02	1	--	0.40	0.20	--	0.20	4.0	--	6.1	6.6	22	0.32
83-12-28	--	--	--	--	5.0	--	33	5.0	9.8	--	47	2.0
83-12-29	4	11	--	0.40	3.1	0.50	6.0	--	4.0	--	32	1.3
84-01-12	--	--	--	--	9.6	--	14	--	10	--	50	2.9
84-05-09	9	--	3.6	2.5	6.0	0.40	6.0	--	12	6.3	67	3.7
84-01-30	18	--	7.3	2.9	6.0	0.60	7.0	--	18	9.5	95	9.2

DATE OF SAMPLE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
84-05-09	0.002	--	70	--	--
84-06-12	--	--	790	20	20
84-03-29	--	40	4400	100	10
84-01-12	--	--	420	--	--
84-01-12	--	--	100	--	--
84-02-02	0.003	--	--	--	--
83-12-28	--	60	50	--	90
83-12-29	--	--	90	--	50
84-01-12	--	--	--	--	--
84-05-09	--	110	80	--	--
84-01-30	--	--	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404731073400601	N 5528	211MGTY	84-05-01	495	188	6.9	1.0	--	78
		211MGTY	84-05-23	495	--	6.6	1.0	10.2	92
404453073372501	N 5596	211MGTY	84-05-24	468	--	6.0	--	--	--
404517073402301	N 5603	211MGTY	83-10-28	420	170	6.2	--	8.3	52
		211MGTY	83-11-03	420	164	6.1	--	--	55
404112073371601	N 5653	211MGTY	84-06-14	581	--	4.8	--	0.50	4
404541073333501	N 5655	211MGTY	84-05-24	260	115	8.1	--	--	11
403948073392901	N 5656	211MGTY	84-02-09	500	--	4.9	--	--	8
403923073354301	N 5695	211MGTY	84-01-23	529	--	4.9	--	--	--
403946073341601	N 5696	211MGTY	84-04-04	523	--	5.4	--	--	--
404154073261803	N 5703	211MGTY	84-07-09	459	--	4.5	--	--	--

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	ACIDITY (MG/L AS 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)
84-05-01	36	--	14	10	10	1.1	36	12	11	11.4	114	4.8
84-05-23	--	--	--	--	10	--	56	17	20	--	180	5.2
84-05-24	21	--	--	--	27	--	10	7.0	10	--	98	4.4
83-10-28	25	3.4	--	6.5	7.7	1.2	16	11	24	--	123	5.4
83-11-03	31	--	12	5.7	10	1.3	16	10	24	10.6	103	4.3
84-06-14	--	--	--	--	3.7	--	9.0	4.0	4.0	--	45	0.060
84-05-24	7	1.4	--	0.90	11	0.40	45	3.0	3.0	--	65	1.9
84-02-09	--	--	--	--	4.3	--	7.0	6.0	4.0	--	54	--
84-01-23	2	--	--	--	7.1	--	11	6.0	4.0	--	24	0.020
84-04-04	4	--	--	--	5.6	--	12	8.0	3.0	--	12	0.010
84-07-09	--	--	--	--	7.0	--	4.0	9.0	5.5	--	18	0.040

DATE OF SAMPLE	NITROGEN, NITRITE TOTAL (MG/L AS N)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
84-05-01	0.003	--	160	--	--
84-05-23	--	1400	--	--	--
84-05-24	--	--	170	60	20
83-10-28	--	180	30	--	40
83-11-03	--	--	--	--	--
84-06-14	--	--	100	--	--
84-05-24	--	100	20	--	--
84-02-09	--	--	60	--	--
84-01-23	--	--	240	--	20
84-04-04	--	40	830	20	20
84-07-09	--	60	330		

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404559073414901	N	5710	211MGTY	84-01-26	390	187	7.0	--	--	81
			211MGTY	84-03-06	390	--	7.2	--	7.1	70
405129073361501	N	5762	211MGTY	83-12-08	283	--	6.6	--	12.5	45
404054073294901	N	5767	211MGTY	84-01-12	384	39	4.8	--	--	11
404808073374601	N	5852	211MGTY	84-01-10	487	--	6.9	--	--	--
			211MGTY	84-04-17	487	--	6.0	--	--	--
404756073425801	N	5884	211MGTY	83-11-02	163	500	6.3	--	5.3	110
			211MGTY	84-01-31	163	416	6.6	--	--	97
404645073390501	N	5947	211MGTY	84-05-22	370	180	6.3	--	3.4	56
405211073371801	N	5994	211MGTY	84-04-16	226	--	6.6	2.0	9.8	21
404650073291102	N	6076	211MGTY	83-11-04	358	155	5.1	--	4.4	38
404651073291301	N	6077	211MGTY	83-11-04	465	37	5.1	--	6.7	9

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	ACIDITY (MG/L AS 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)
84-01-26	42	--	16	9.5	5.0	0.80	47	17	13	17.1	121	2.8
84-03-06	--	--	--	--	8.0	--	44	12	16	--	130	2.9
83-12-08	--	--	--	--	9.2	--	23	19	10	--	52	4.2
84-01-12	3	--	1.2	1.7	--	0.30	1.0	7.0	5.2	6.1	26	0.070
84-01-10	17	--	--	--	12	--	30	7.0	9.4	--	74	3.3
84-04-17	17	--	--	--	4.4	--	15	8.0	6.9	--	82	2.5
83-11-02	49	11	--	15	56	2.3	49	29	100	--	299	2.5
84-01-31	48	--	19	11	41	1.4	45	27	72	16.7	227	2.3
84-05-22	29	20	--	6.6	12	1.1	20	18	17	--	171	1.2
84-04-16	--	--	--	--	9.0	--	17	14	14	--	66	3.5
83-11-04	24	9.1	--	3.5	11	0.80	5.0	6.0	18	--	134	3.1
83-11-04	6	8.0	--	0.70	4.1	0.50	3.0	--	6.0	--	39	2.9

DATE OF SAMPLE	NITROGEN, NITRITE TOTAL (MG/L AS N)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
84-01-26	0.007	--	--	--	--
84-03-06	--	620	--	--	--
83-12-08	--	--	--	--	20
84-01-12	0.001	150	350	--	--
84-01-10	--	--	80	--	20
84-04-17	--	50	80	--	30
83-11-02	--	--	--	40	--
84-01-31	0.005	--	--	--	--
84-05-22	--	40	--	--	30
84-04-16	--	230	90	--	60
83-11-04	--	50	40	--	20
83-11-04	--	20	--	--	20

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
405010073414401	N 6087	112QLCLU	84-06-28	95	--	6.0	--	6.2	100
404908073275101	N 6092	211MQTY	84-03-14	637	--	5.3	--	7.6	--
404004073392201	N 6146	211MQTY	84-05-30	503	--	4.9	--	--	11
404218073273301	N 6148	211MQTY	84-04-18	566	34	4.7	1.0	--	9
404707073305301	N 6190	211MQTY	83-12-29	605	120	5.2	--	7.2	29
404706073305201	N 6191	211MQTY	83-12-29	555	290	5.5	--	7.0	82
404517073310201	N 6192	211MQTY	83-11-28	632	45	5.5	--	8.2	11
404517073310501	N 6193	211MQTY	83-11-28	472	155	5.3	--	6.7	30
404525073362602	N 6315	211MQTY	84-04-19	353	110	6.5	--	--	31
404123073285003	N 6442	211MQTY	84-07-09	612	--	6.5	--	--	--

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	ACIDITY (MG/L AS 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)
84-06-28	--	--	--	--	16	--	56	30	34	--	190	3.2
84-03-14	--	--	--	--	2.4	--	4.0	6.0	2.0	--	21	--
84-05-30	--	--	--	--	4.3	--	7.0	10	5.5	--	42	--
84-04-18	4	--	1.8	0.90	--	0.50	1.0	5.0	7.9	5.0	26	0.12
83-12-29	18	25	--	2.7	9.1	0.90	5.0	--	12	--	86	7.6
83-12-29	52	25	--	7.4	19	1.7	7.0	28	29	--	204	12
83-11-28	7	19	--	1.0	5.0	0.60	5.0	--	6.0	--	44	2.1
83-11-28	19	12	--	2.6	16	1.0	4.0	--	18	--	123	11
84-04-19	19	16	--	3.1	8.1	1.1	12	8.0	10	--	116	5.0
84-07-09	--	--	--	--	49	--	19	12	6.5	--	36	0.040

DATE OF SAMPLE	NITROGEN, NITRITE TOTAL (MG/L AS N)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
84-06-28	--	--	--	--	20
84-03-14	--	--	--	--	40
84-05-30	--	--	290	20	--
84-04-18	0.003	--	350	--	--
83-12-29	--	200	20	--	--
83-12-29	--	1100	60	20	--
83-11-28	--	70	20	--	30
83-11-28	--	870	100	--	30
84-04-19	--	20	--	--	--
84-07-09	--	40	400	--	20

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404123073285002	N	6443	211MGTY	84-07-09	268	--	6.1	--	--	--
403533073401101	N	6450	211LLYD	84-03-29	1280	--	5.9	--	1.7	--
404630073293801	N	6580	211MGTY	83-12-15	601	28	5.3	--	7.7	5
403642073433202	N	6610	211MGTY	84-07-17	230	51	5.8	32	--	15
404409073271301	N	6644	211MGTY	83-10-28	227	79	5.0	--	--	13
			211MGTY	84-02-15	227	84	5.2	--	--	11
			211MGTY	84-05-10	227	85	4.9	--	--	17
404757073315401	N	6651	211MGTY	84-05-09	615	--	6.0	--	11.0	26
404311073302502	N	6745	211MGTY	84-01-23	349	174	5.9	1.0	--	56
405203073331101	N	6768	211MGTY	84-01-05	175	147	6.4	2.0	--	50
403927073262401	N	6780	112QLCLU	84-07-18	51	267	6.0	10	--	62

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	ACIDITY (MG/L AS 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)
84-07-09	12	--	--	--	29	--	14	26	15	--	86	0.040
84-03-29	10	--	--	--	4.4	--	10	22	8.4	--	82	0.010
83-12-15	4	10	--	0.40	3.3	0.80	2.0	--	3.0	--	17	1.2
84-07-17	8	--	3.2	0.20	6.0	1.4	8.0	5.0	7.0	20.8	59	--
83-10-28	9	--	3.5	1.0	10	1.0	2.0	--	12	5.9	56	3.6
84-02-15	6	--	2.5	1.2	13	0.90	1.0	--	15	6.0	62	3.8
84-05-10	7	--	2.9	2.4	8.0	0.70	1.0	--	9.6	5.3	52	3.9
84-05-09	--	--	--	--	6.5	--	16	--	12	--	84	4.8
84-01-23	31	--	--	--	--	--	13	24	13	--	--	3.1
84-01-05	29	--	11	5.0	7.0	1.0	17	19	16	11.4	98	3.5
84-07-18	42	--	17	4.2	21	4.0	14	37	43	9.4	119	1.7

DATE OF SAMPLE	NITROGEN, NITRITE TOTAL (MG/L AS N)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
84-07-09	--	--	1600	--	20
84-03-29	--	40	5100	110	20
83-12-15	--	40	--	--	--
84-07-17	0.001	--	3200	--	--
83-10-28	--	--	70	--	--
84-02-15	0.004	--	--	--	--
84-05-10	0.001	--	140	--	60
84-05-09	--	--	--	--	20
84-01-23	--	--	--	--	--
84-01-05	0.003	--	90	--	--
84-07-18	0.024	--	1400	80	--

WATER GUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
403931073381701	N 6817	211MGTY	84-04-05	563	--	5.1	--	0.80	--
404537073333502	N 6819	211MGTY	84-05-24	270	59	6.9	--	--	11
404041073283601	N 6866	211MGTY	84-07-09	626	--	5.4	--	--	--
404043073283601	N 6867	211MGTY	84-07-09	492	--	4.9	--	--	--
404046073354501	N 6893	211MGTY	84-03-08	565	--	4.6	--	--	20
404400073283201	N 6915	211MGTY	84-01-25	516	42	5.3	--	--	11
404358073283102	N 6916	211MGTY	84-01-25	613	33	4.8	--	--	9
404547073401103	N 6945	211MGTY	83-11-02	406	175	5.9	--	5.8	57
		211MGTY	83-11-03	406	170	6.3	--	--	59
405143073280801	N 6953	211MGTY	84-07-25	153	99	6.1	--	--	21
404557073270501	N 6956	211MGTY	83-10-25	602	26	5.3	--	5.3	5

DATE OF SAMPLE	HARD-NESS CAR-BONATE (MG/L-CACO3)	ACIDITY (MG/L AS 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)
84-04-05	2	--	--	--	4.9	--	7.0	11	3.5	--	24	0.59
84-05-24	7	13	--	0.90	6.1	0.40	13	3.0	3.0	--	55	1.9
84-07-09	--	--	--	--	13	--	8.0	8.0	5.5	--	10	0.040
84-07-09	--	--	--	--	9.0	--	6.0	8.0	4.0	--	14	0.040
84-03-08	--	--	--	--	4.4	--	6.0	9.0	4.4	--	27	--
84-01-25	4	--	1.7	1.7	--	0.30	3.0	--	4.5	5.5	28	1.3
84-01-25	3	--	1.3	1.4	--	0.20	1.0	--	4.2	5.4	25	0.83
83-11-02	26	11	--	7.5	8.9	1.1	29	15	13	--	130	4.7
83-11-03	33	--	13	6.3	10	1.2	31	13	14	15.8	113	4.4
84-07-25	17	--	7.0	0.90	4.0	0.60	10	7.0	6.1	9.9	59	3.9
83-10-25	4	10	--	0.40	2.8	0.30	3.0	--	2.0	--	20	0.60

DATE OF SAMPLE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
84-04-05	--	60	530	30	30
84-05-24	--	30	20	--	--
84-07-09	--	--	120	--	20
84-07-09	--	--	210	--	20
84-03-08	--	10	680	--	--
84-01-25	0.004	--	--	--	--
84-01-25	0.002	--	--	--	--
83-11-02	--	20	--	--	30
83-11-03	--	--	--	--	--
84-07-25	--	--	--	--	--
83-10-25	--	50	--	--	30

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404108073293101	N 6985	112GLCLU	84-07-18	46	349	6.2	--	--	50
404635073331001	N 7030	211MGTY	84-05-16	531	--	5.7	--	9.4	50
405154073332701	N 7047	211MGTY	84-01-05	264	147	6.7	23	--	58
404319073400001	N 7058	211MGTY	84-03-06	445	105	6.1	--	--	30
404339073304401	N 7076	211MGTY	84-01-30	674	24	5.8	--	--	1
404832073372203	N 7104	211MGTY	84-01-10	436	--	6.1	--	--	--
		211MGTY	84-06-19	436	--	5.9	--	9.5	--
404652073400703	N 7126	211MGTY	84-02-07	461	--	6.3	--	9.1	24
405058073411102	N 7157	112GLCLU	83-10-25	243	155	6.7	--	2.1	62
404303073371403	N 7298	211MGTY	83-11-22	444	60	5.2	--	2.2	12
404552073341603	N 7353	211MGTY	84-05-24	391	77	6.4	--	--	17

DATE OF SAMPLE	HARD-NESS CAR-BONATE (MG/L-CACO3)	ACIDITY (MG/L AS 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)
84-07-18	42	--	17	1.8	14	3.8	12	45	57	8.2	216	3.1
84-05-16	--	--	--	--	7.8	--	12	20	14	--	120	5.7
84-01-05	30	--	12	5.2	8.0	1.0	19	21	14	10.2	104	2.9
84-03-06	16	10	--	3.4	7.2	0.90	9.0	6.0	9.0	--	61	3.6
84-01-30	1	--	0.20	0.10	--	0.20	5.0	--	5.8	6.7	26	0.36
84-01-10	15	--	--	--	3.9	--	18	--	5.5	--	20	1.4
84-06-19	10	--	--	--	10	--	12	5.0	7.0	--	26	1.6
84-02-07	--	--	--	--	5.8	--	24	7.0	8.0	--	90	2.0
83-10-25	36	23	--	6.3	6.6	1.2	56	14	4.0	--	111	0.50
83-11-22	7	10	--	1.3	5.4	0.70	2.0	10	8.0	--	56	0.60
84-05-24	12	13	--	1.4	6.9	0.60	6.0	4.0	9.0	--	73	4.0

DATE OF SAMPLE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
84-07-18	--	--	--	330	--
84-05-16	--	--	--	--	20
84-01-05	0.049	70	3700	--	--
84-03-06	--	--	--	--	--
84-01-30	0.005	--	--	--	--
84-01-10	--	--	80	--	10
84-06-19	--	40	--	--	20
84-02-07	--	40	--	--	--
83-10-25	--	--	--	--	--
83-11-22	--	30	310	--	40
84-05-24	--	60	20	--	--

WATER GUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404312073274801	N	7377	211MGTY	83-10-24	758	23	5.2	6.0	--	4
404002073333213	N	7407	211MGTY	84-05-14	648	27	5.3	2.0	--	4
404557073270502	N	7421	211MGTY	83-10-25	564	70	5.0	--	6.3	13
404426073274305	N	7438	211MGTY	84-04-04	555	192	4.6	--	--	32
404848073344301	N	7446	211MGTY	84-03-14	498	--	6.3	--	11.0	16
404109073432901	N	7482	211MGTY	84-01-23	440	143	5.8	--	--	42
404418073345401	N	7500	211MGTY	84-01-05	458	46	6.2	--	--	8
404536073410301	N	7512	211MGTY	83-11-16	380	145	6.6	--	5.9	52
			211MGTY	84-01-19	380	160	6.8	--	--	58
404337073271102	N	7516	211MGTY	84-04-18	589	29	4.8	--	--	5
403948073392902	N	7521	211MGTY	84-04-13	560	--	5.0	--	0.1	6

DATE OF SAMPLE	HARD-NESS CAR-BONATE (MG/L-CACO3)	ACIDITY (MG/L AS 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)
83-10-24	3	26	--	0.30	2.6	0.50	1.0	4.0	3.0	--	29	--
84-05-14	2	--	1.0	--	4.0	--	1.0	6.0	2.9	5.4	21	0.12
83-10-25	8	15	--	1.2	6.4	0.60	2.0	--	6.0	--	53	3.9
84-04-04	18	--	7.4	3.3	19	3.7	1.0	33	25	5.2	105	1.5
84-03-14	--	--	--	--	5.5	--	20	5.0	4.0	--	48	1.9
84-01-23	21	--	--	--	--	--	11	30	12	--	--	--
84-01-05	5	--	1.9	0.80	6.0	0.50	5.0	--	11	7.2	46	2.1
83-11-16	24	11	--	6.9	8.1	1.2	31	14	11	--	114	4.2
84-01-19	24	--	9.7	8.3	6.0	1.1	29	13	12	14.8	98	3.4
84-04-18	3	--	1.2	0.40	--	0.40	1.0	5.0	6.4	4.9	23	0.020
84-04-13	--	--	--	--	3.6	--	7.0	5.0	4.0	--	24	--

DATE OF SAMPLE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
83-10-24	--	270	1500	--	--
84-05-14	0.001	70	700	--	--
83-10-25	--	--	--	--	--
84-04-04	0.009	480	230	180	--
84-03-14	--	--	--	--	40
84-01-23	--	--	--	--	--
84-01-05	0.004	--	--	--	--
83-11-16	--	--	--	--	--
84-01-19	0.003	--	--	--	--
84-04-18	0.002	--	420	--	--
84-04-13	--	20	100	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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	84-02-09	565	--	4.5	--	--	8
404703073280101	N 7526	211MGTY	83-10-28	691	27	5.4	--	5.9	5
		211MGTY	84-01-12	691	27	5.5	--	--	10
404010073425301	N 7548	211MGTY	84-02-17	516	--	5.5	--	--	28
404455073324902	N 7561	211MGTY	83-11-30	551	65	5.5	--	6.0	14
404531073415401	N 7593	211MGTY	84-06-27	473	--	5.5	--	9.4	44
405151073381901	N 7614	211LLYD	84-01-26	393	--	6.3	--	9.6	6
404028073335001	N 7632	211MGTY	83-10-03	65	147	6.5	8.0	--	110
404345073411901	N 7650	211MGTY	84-01-23	445	143	6.0	1.0	--	27
404611073401005	N 7651	211MGTY	84-01-26	408	125	6.4	--	--	40
		211MGTY	84-02-07	408	--	6.2	--	7.4	42

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	ACIDITY (MG/L AS 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)
84-02-09	--	--	--	--	3.9	--	7.0	6.0	4.0	--	35	--
83-10-28	4	3.4	--	0.40	2.7	0.40	3.0	--	7.0	--	25	1.0
84-01-12	3	--	1.4	1.5	--	0.20	2.0	--	4.6	5.6	26	0.87
84-02-17	--	--	--	--	6.0	--	11	25	6.8	--	78	--
83-11-30	10	19	--	1.2	6.4	0.60	4.0	9.0	9.0	--	72	3.3
84-06-27	--	--	--	--	6.0	--	12	--	10	--	74	4.8
84-01-26	--	--	--	--	3.5	--	12	--	2.0	--	29	--
83-10-03	91	--	36	4.2	35	4.5	14	17	19	4.4	143	2.6
84-01-23	19	--	--	--	--	--	8.0	8.0	12	--	--	4.2
84-01-26	19	--	7.5	5.2	6.0	0.60	21	10	9.0	13.1	89	5.6
84-02-07	--	--	--	--	7.5	--	26	7.0	8.0	--	110	5.5

DATE OF SAMPLE	NITROGEN, NITRITE TOTAL (MG/L AS N)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
84-02-09	--	10	70	--	--
83-10-28	--	50	--	--	--
84-01-12	--	--	--	--	--
84-02-17	--	10	260	20	--
83-11-30	--	80	--	--	60
84-06-27	--	--	--	--	--
84-01-26	--	--	--	--	--
83-10-03	0.008	--	280	540	--
84-01-23	--	--	--	--	--
84-01-26	0.007	--	--	--	--
84-02-07	--	1100	--	--	--

WATER GUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404236073395401	N	7720	211MGTY	83-11-01	511	55	5.3	--	5.2	12
404737073423501	N	7747	112GLCLU	84-05-01	138	--	6.4	2.0	5.7	46
403537073392001	N	7776	211LLYD	84-01-23	1238	--	5.0	--	--	--
			211LLYD	84-02-02	1238	--	5.8	--	--	--
404751073322001	N	7781	211MGTY	84-06-27	459	--	5.5	--	11.0	42
404526073353401	N	7785	211MGTY	84-06-15	404	95	6.5	--	--	24
403949073341706	N	7796	211MGTY	84-04-04	590	--	5.0	--	--	--
404310073331602	N	7797	211MGTY	83-12-28	550	44	5.6	--	6.9	22
			211MGTY	84-05-09	550	43	5.8	--	--	7
405116073325701	N	7830	211MGTY	83-11-14	197	--	6.7	1.0	3.0	51
404023073371301	N	7831	211MGTY	84-02-16	590	--	4.3	--	--	13

DATE OF SAMPLE	HARD-NESS CAR-BONATE (MG/L-CACO3)	ACIDITY (MG/L AS 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)
83-11-01	7	9.1	--	1.3	4.5	0.70	6.0	--	3.0	--	45	2.5
84-05-01	--	--	--	--	4.8	--	34	6.0	10	--	68	1.2
84-01-23	6	--	--	--	11	--	11	5.0	3.0	--	42	0.010
84-02-02	8	--	--	--	4.4	--	14	17	3.0	--	--	--
84-06-27	--	--	--	--	6.8	--	14	--	20	--	76	4.1
84-06-15	15	30	--	2.2	7.0	0.90	9.0	3.0	9.0	--	104	4.5
84-04-04	4	--	--	--	5.0	--	10	9.0	4.0	--	32	0.10
83-12-28	--	--	--	--	6.6	--	6.0	--	6.9	--	37	3.0
84-05-09	6	--	2.3	0.20	4.0	0.20	4.0	--	2.2	5.5	31	2.0
83-11-14	--	--	--	--	9.8	--	14	23	14	--	77	4.1
84-02-16	--	--	--	--	6.2	--	6.0	9.0	10	--	40	--

DATE OF SAMPLE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
83-11-01	--	40	--	--	--
84-05-01	--	--	320	--	--
84-01-23	--	--	60	--	--
84-02-02	--	--	--	100	170
84-06-27	--	--	--	--	--
84-06-15	--	--	20	--	--
84-04-04	--	160	300	20	80
83-12-28	--	70	30	--	--
84-05-09	0.002	--	--	--	--
83-11-14	0.040	10	330	40	70
84-02-16	--	30	740	20	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404410073261612	N 7852	211MGTY	83-10-28	457	25	5.1	--	--	2
		211MGTY	84-02-15	457	27	5.2	--	--	3
		211MGTY	84-05-10	457	27	5.2	1.0	--	6
404815073363901	N 7873	211MGTY	84-01-17	535	--	6.2	--	--	--
		211MGTY	84-04-17	535	--	5.9	--	--	--
404651073400601	N 7892	211MGTY	84-03-06	455	--	6.8	--	8.0	24
404420073353201	N 7957	211MGTY	84-01-12	523	85	5.9	--	9.0	37
		211MGTY	84-01-30	523	84	5.8	--	--	7
404739073392101	N 8010	211MGTY	84-01-17	453	--	6.2	--	--	--
		211MGTY	84-04-24	453	--	6.5	--	--	--
403533073401301	N 8011	211LLYD	84-03-29	1270	--	6.3	--	1.0	--
404046073305803	N 8031	211MGTY	84-01-16	513	26	5.2	--	--	8
404422073370001	N 8050	211MGTY	84-05-02	328	354	5.4	2.0	--	110

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	ACIDITY (MG/L AS 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)
83-10-28	1	--	0.40	0.30	4.0	0.50	2.0	--	4.2	5.3	21	0.090
84-02-15	2	--	0.90	--	6.0	0.30	1.0	--	6.8	5.4	25	0.050
84-05-10	3	--	1.3	0.70	--	--	1.0	5.0	2.5	4.9	19	0.10
84-01-17	6	--	--	--	5.2	--	9.0	--	4.7	--	22	1.2
84-04-17	6	--	--	--	2.4	--	11	7.0	3.5	--	74	1.2
84-03-06	--	--	--	--	6.3	--	22	--	10	--	74	2.8
84-01-12	--	--	--	--	6.6	--	11	--	11	--	61	4.6
84-01-30	6	--	2.4	0.30	6.0	0.40	7.0	--	11	8.6	59	4.6
84-01-17	44	--	--	--	17	--	21	6.0	11	--	100	5.6
84-04-24	40	--	--	--	20	--	15	12	11	--	110	5.5
84-03-29	8	--	--	--	5.6	--	12	21	7.4	--	82	0.010
84-01-16	2	--	0.70	1.4	--	0.20	1.0	--	5.2	5.7	23	0.13
84-05-02	67	--	27	10	27	1.8	5.0	77	45	8.3	209	1.6

DATE OF SAMPLE	NITROGEN, NITRITE TOTAL (MG/L AS N)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
83-10-28	0.001	--	100	--	--
84-02-15	0.004	--	--	--	--
84-05-10	0.002	--	170	--	--
84-01-17	--	--	290	--	--
84-04-17	--	90	--	--	20
84-03-06	--	--	--	--	--
84-01-12	--	--	100	--	--
84-01-30	--	--	--	--	--
84-01-17	--	--	330	--	--
84-04-24	--	--	--	--	20
84-03-29	--	50	4400	100	20
84-01-16	--	--	170	--	--
84-05-02	0.017	--	1100	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404557073270503	N	8054	211MGTY	83-10-25	585	49	5.3	--	6.8	9
403855073333701	N	8171	211MGTY	84-07-23	378	33	6.2	25	--	14
405146073313403	N	8183	112GLCLU	84-01-24	230	180	6.6	--	8.3	56
403952073361607	N	8196	211MGTY	84-03-08	625	--	4.6	--	0.40	14
404156073262004	N	8214	211MGTY	84-07-09	686	--	4.7	--	--	--
404000073371001	N	8216	211MGTY	84-04-05	665	--	4.9	--	1.2	--
404109073374201	N	8218	211MGTY	84-04-05	465	--	3.2	--	--	-
403518073382001	N	8233	211LLYD	84-02-01	1231	65	5.8	30	--	9
			211LLYD	84-02-02	1231	--	5.6	--	--	--
405121073415901	N	8246	112PGGF	83-10-19	350	196	7.4	6.0	--	83
404108073371605	N	8250	211MGTY	84-06-14	485	--	4.5	--	0.30	12

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	ACIDITY (MG/L AS 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)
83-10-25	6	19	--	0.70	4.7	0.40	3.0	--	4.0	--	41	2.3
84-07-23	1	--	--	0.30	--	0.30	11	--	4.9	5.0	32	--
84-01-24	32	14	--	5.9	14	1.4	22	13	16	--	134	7.1
84-03-08	--	--	--	--	3.2	--	7.0	4.0	3.5	--	20	--
84-07-09	--	--	--	--	8.0	--	5.0	8.0	4.0	--	26	0.040
84-04-05	4	--	--	--	5.9	--	7.0	10	5.0	--	16	0.010
84-04-05	6	--	--	--	6.5	--	--	40	5.5	--	68	0.010
84-02-01	1	--	0.60	0.10	5.0	0.50	8.0	16	6.1	9.1	47	0.20
84-02-02	6	--	--	--	5.2	--	13	22	4.5	--	--	--
83-10-19	47	--	18	8.3	10	1.8	59	28	5.3	11.0	122	0.54
84-06-14	--	--	--	--	3.7	--	8.0	8.0	4.5	--	47	--

DATE OF SAMPLE	NITROGEN, NITRITE TOTAL (MG/L AS N)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
83-10-25	--	40	20	--	--
84-07-23	0.007	--	6500	--	--
84-01-24	--	30	30	--	20
84-03-08	--	--	100	--	--
84-07-09	--	--	690	--	30
84-04-05	--	50	300	20	20
84-04-05	--	60	700	--	20
84-02-01	0.009	--	4200	50	--
84-02-02	--	--	2800	120	20
83-10-19	0.001	--	1200	--	--
84-06-14	--	20	510	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404002073333301	N 8253	211MGTY	84-01-16	699	26	5.1	--	--	8
404149073373101	N 8264	211MGTY	83-12-06	515	33	5.2	--	1.1	5
404118073341401	N 8265	211MGTY	83-10-03	68	293	5.7	12	--	76
405106073430601	N 8313	112QLCLU	83-10-25	168	265	6.7	--	6.6	100
405116073372903	N 8326	112QLCLU	83-12-08	168	--	7.2	--	12.6	66
405113073372607	N 8327	112QLCLU	83-12-08	168	--	6.6	--	12.7	81
404320073401201	N 8339	211MGTY	84-02-07	363	140	5.9	--	--	45
404650073444501	N 8342	211LLYD	83-11-02	434	160	6.6	--	5.4	64
404420073393901	N 8409	211MGTY	83-11-16	405	255	6.3	--	5.7	86
404031073414501	N 8420	211MGTY	84-03-14	425	--	5.3	--	--	36

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	ACIDITY (MG/L AS 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)
84-01-16	2	--	0.80	1.4	--	0.20	1.0	--	4.7	5.8	22	0.10
83-12-06	3	9.1	--	0.50	4.6	0.90	3.0	1.0	3.0	--	34	--
83-10-03	39	--	15	7.6	27	--	32	1	30	6.9	186	0.31
83-10-25	47	19	--	13	11	--	58	46	11	--	217	4.7
83-12-08	--	--	--	--	25	--	45	26	18	--	85	6.9
83-12-08	--	--	--	--	37	--	27	75	42	--	115	6.0
84-02-07	24	9.1	--	5.1	9.7	1.1	8.0	16	11	--	75	5.8
83-11-02	34	6.8	--	7.3	5.4	0.90	53	11	8.0	--	96	1.0
83-11-16	50	18	--	8.8	14	2.0	19	29	16	--	190	14
84-03-14	--	--	--	--	10	--	10	38	23	--	105	--

DATE OF SAMPLE	NITROGEN, NITRITE TOTAL (MG/L AS N)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
84-01-16	--	--	320	--	--
83-12-06	--	20	310	--	30
83-10-03	0.013	--	3200	180	--
83-10-25	--	--	--	--	--
83-12-08	--	--	--	--	30
83-12-08	--	--	--	--	50
84-02-07	--	30	--	--	--
83-11-02	--	--	80	--	--
83-11-16	--	30	40	--	30
84-03-14	--	10	1500	150	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404422073364401	N	8458	211MGTY	84-04-26	350	222	5.4	--	--	49
404325073363001	N	8474	211MGTY	84-01-12	562	39	5.8	--	6.8	10
			211MGTY	84-01-24	562	48	6.0	--	--	13
404325073363002	N	8475	211MGTY	84-01-12	486	51	5.7	--	4.9	14
			211MGTY	84-02-02	486	51	5.7	--	--	1
405041073415801	N	8478	112PGFG	84-07-17	156	168	7.4	--	--	48
403756073381501	N	8481	112GLCLU	83-10-20	55	223	6.3	22	--	85
403842073380801	N	8482	211MGTY	83-10-20	80	217	6.7	6.0	--	76
404124073305001	N	8487	112GLCLU	83-10-03	52	317	6.1	29	--	59
403557073433701	N	8534	211MGTY	84-07-17	265	203	5.5	96	--	82
403520073410901	N	8557	211LLYD	84-02-01	1258	75	5.7	25	--	8
			211LLYD	84-02-02	1258	--	5.8	--	--	--

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	ACIDITY (MG/L AS 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)
84-04-26	30	--	12	4.5	20	1.7	2.0	--	36	6.4	141	12
84-01-12	--	--	--	--	4.8	--	15	--	7.4	--	30	0.96
84-01-24	4	--	1.6	2.1	5.0	0.50	6.0	--	6.2	6.1	37	1.4
84-01-12	--	--	--	--	5.8	--	12	5.0	9.2	--	33	1.4
84-02-02	1	--	0.20	--	--	0.20	5.0	--	9.9	7.5	35	1.2
84-07-17	37	--	15	2.5	14	1.8	73	--	6.0	17.6	112	--
83-10-20	48	--	19	5.7	16	3.0	28	47	17	10.3	155	2.1
83-10-20	35	--	14	7.3	17	3.0	27	40	21	5.6	146	3.1
83-10-03	50	--	20	1.9	28	5.7	24	49	32	8.5	198	7.0
84-07-17	29	--	11	3.9	19	2.0	5.0	--	55	21.0	194	--
84-02-01	1	--	0.30	0.10	5.0	0.20	5.0	18	7.9	8.9	48	0.17
84-02-02	8	--	--	--	6.8	--	13	20	6.0	--	--	--

DATE OF SAMPLE	NITROGEN, NITRITE TOTAL (MG/L AS N)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
84-04-26	0.030	--	--	--	--
84-01-12	--	--	--	--	--
84-01-24	0.001	--	50	--	--
84-01-12	--	--	40	--	--
84-02-02	0.003	--	--	--	--
84-07-17	--	--	--	360	--
83-10-20	0.012	--	7900	470	--
83-10-20	0.022	190	6000	200	--
83-10-03	0.019	--	400	1500	--
84-07-17	0.008	--	--	250	--
84-02-01	0.010	--	3600	50	--
84-02-02	--	--	2200	100	20

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404631073383203	N	8558	211MGTY	84-05-22	415	119	6.3	--	3.8	37
404453073383403	N	8576	211MGTY	84-05-24	510	--	6.0	--	--	--
404554073270303	N	8595	211MGTY	83-10-25	615	55	5.0	--	5.7	10
404017073301001	N	8622	211MGTY	84-07-18	200	353	6.1	3.0	--	73
403814073375101	N	8627	112GLCLU	83-10-20	84	77	6.0	42	--	11
403927073355001	N	8657	211MGTY	84-04-04	640	--	5.7	--	1.2	--
			211MGTY	84-05-10	640	26	5.3	--	--	4
404221073254502	N	8665	211MGTY	83-10-24	611	39	4.7	--	--	6
404540073264501	N	8668	211MGTY	83-10-28	485	50	5.4	--	--	9
			211MGTY	84-05-10	485	49	5.2	--	--	8
404920073373303	N	8713	211MGTY	84-05-09	377	--	6.2	--	12.0	16

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	ACIDITY (MG/L AS 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)
84-05-22	20	21	--	4.1	7.3	0.90	16	13	8.0	--	127	5.6
84-05-24	21	--	--	--	16	--	14	7.0	7.4	--	62	4.9
83-10-25	7	21	--	0.90	5.7	0.50	2.0	--	8.0	--	49	3.1
84-07-18	62	--	25	2.5	27	6.7	27	53	27	12.3	249	11
83-10-20	10	--	3.8	1.0	11	0.90	6.0	8.0	11	8.2	47	0.55
84-04-04	2	--	--	--	6.4	--	15	9.0	4.0	--	10	0.010
84-05-10	2	--	0.70	0.30	5.0	--	2.0	--	3.9	5.5	22	--
83-10-24	4	22	--	0.40	3.7	0.50	1.0	6.0	2.0	--	42	--
83-10-28	8	--	3.1	0.30	7.0	0.60	3.0	--	6.9	5.4	39	1.8
84-05-10	5	--	2.0	0.60	6.0	0.20	2.0	--	4.9	4.9	34	1.9
84-05-09	--	--	--	--	3.3	--	12	--	10	--	52	1.9

DATE OF SAMPLE	NITROGEN, NITRITE TOTAL (MG/L AS N)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
84-05-22	--	60	--	--	--
84-05-24	--	--	170	30	30
83-10-25	--	20	20	--	--
84-07-18	0.011	--	290	710	--
83-10-20	0.004	410	490	70	--
84-04-04	--	40	730	20	20
84-05-10	--	--	390	--	--
83-10-24	--	80	340	--	20
83-10-28	0.002	--	--	--	--
84-05-10	--	--	--	--	--
84-05-09	--	40	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404532073284801	N 8767	211MGTY	84-01-25	645	33	5.7	--	--	8
404533073284802	N 8768	211MGTY	84-01-25	683	27	5.7	--	--	8
403911073375801	N 8774	112GLCLU	83-10-20	36	262	6.8	--	--	82
403728073374201	N 8775	211MGTY	83-10-20	130	84	6.0	31	--	14
404858073412501	N 8790	211LLYD	83-10-19	443	241	6.5	--	--	65
404702073305601	N 8888	112GLCLU	83-12-05	111	309	5.6	--	--	63
404508073333605	N 8956	211MGTY	84-01-27	535	44	6.8	--	--	--
403934073410702	N 8979	211MGTY	84-05-31	440	--	5.2	--	--	45
404452073344603	N 8984	112GLCLU	84-05-17	48	180	6.0	10	--	38
404355073272001	N 9029	112GLCLU	84-07-16	69	309	5.3	1.0	--	36

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	ACIDITY (MG/L AS 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)
84-01-25	2	--	0.70	1.6	--	0.20	3.0	--	3.5	5.5	27	1.2
84-01-25	2	--	1.0	1.4	--	0.20	4.0	--	3.1	5.5	25	0.67
83-10-20	61	--	24	4.9	19	3.3	18	45	26	6.1	165	5.5
83-10-20	13	--	5.4	--	6.0	0.60	9.0	--	15	6.6	41	0.16
83-10-19	37	--	14	6.7	10	1.4	18	37	19	10.6	145	7.5
83-12-05	51	--	20	2.7	40	5.4	6.0	40	43	10.9	225	13
84-01-27	--	--	2.3	1.9	--	0.40	6.0	--	5.7	7.6	--	1.7
84-05-31	--	--	0.10	--	6.2	--	8.0	20	9.5	--	52	--
84-05-17	25	--	9.9	1.4	21	1.6	13	20	26	5.1	106	2.0
84-07-16	30	--	12	0.80	30	4.0	11	48	66	6.8	222	10

DATE OF SAMPLE	NITROGEN, NITRITE TOTAL (MG/L AS N)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
84-01-25	0.002	--	--	--	--
84-01-25	0.003	--	--	--	--
83-10-20	0.003	--	290	240	--
83-10-20	0.001	350	150	--	--
83-10-19	0.007	--	280	--	--
83-12-05	0.005	--	240	140	--
84-01-27	0.001	--	190	--	--
84-05-31	--	--	1500	--	--
84-05-17	0.006	--	4400	110	--
84-07-16	0.017	--	1500	340	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
405307073300203	N	9076	112PGFG	84-01-05	199	146	6.7	3.0	--	17
404356073264601	N	9106	112GLCLU	84-07-16	59	761	6.3	31	--	180
404224073423811	N	9151	211MGTY	84-01-23	425	231	5.9	2.0	--	67
404154073262004	N	9173	211MGTY	84-07-09	845	--	5.1	--	--	--
404517073310205	N	9180	211MGTY	83-11-28	635	90	5.4	--	7.9	15
405202073363301	N	9210	211MGTY	83-12-08	275	--	6.6	--	12.6	52
405205073363401	N	9211	211MGTY	83-12-08	269	--	6.4	--	12.7	47
404735073424101	N	9308	211LLYD	84-02-28	410	--	6.7	--	4.0	34
404410073365901	N	9310	211MGTY	84-04-26	230	244	5.9	1.0	--	65
405128073370504	N	9334	211MGTY	83-12-08	298	--	6.7	--	12.5	66

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	ACIDITY (MG/L AS 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)
84-01-05	6	--	2.4	2.7	16	0.80	21	12	20	14.4	87	1.3
84-07-16	130	--	--	--	--	--	45	100	290	12.0	--	0.67
84-01-23	43	--	--	--	--	--	15	36	15	--	--	5.8
84-07-09	--	--	--	--	4.0	--	6.0	8.0	3.5	--	--	0.080
83-11-28	9	10	--	1.4	10	0.60	5.0	--	17	--	74	2.3
83-12-08	--	--	--	--	10	--	25	21	18	--	56	2.9
83-12-08	--	--	--	--	9.5	--	18	22	17	--	50	3.3
84-02-28	--	--	--	--	4.0	--	--	--	4.0	--	73	0.60
84-04-26	36	--	14	6.9	19	1.1	7.0	24	36	8.4	138	5.2
83-12-08	--	--	--	--	11	--	20	26	17	--	71	6.7

DATE OF SAMPLE	NITROGEN, NITRITE TOTAL (MG/L AS N)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
84-01-05	0.001	--	110	--	--
84-07-16	0.017	--	--	--	--
84-01-23	--	--	--	--	--
84-07-09	--	50	170	--	20
83-11-28	--	20	20	--	20
83-12-08	--	--	--	--	50
83-12-08	--	--	--	--	60
84-02-28	--	--	--	--	--
84-04-26	0.005	--	350	--	--
83-12-08	--	--	--	--	80

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
405126073421002	N	9446	112PGQF	83-11-10	373	260	6.9	--	--	110
404137073383402	N	9452	211MGTY	83-10-27	601	28	4.7	--	--	4
404131073311401	N	9514	211MGTY	84-01-12	660	23	5.5	--	--	8
405144073313502	N	9520	112PGQF	84-01-17	512	65	6.2	--	8.3	21
404411073361002	N	9521	211MGTY	84-01-12	604	56	5.9	--	7.8	16
			211MGTY	84-05-09	604	52	5.8	--	--	13
404033073431215	N	9613	211MGTY	84-04-06	480	--	5.5	--	--	62
404356073361802	N	9713	211MGTY	84-07-03	218	87	6.1	31	--	23
404416073352102	N	9751	211MGTY	84-05-01	286	57	5.2	9.0	--	10
404547073401104	N	9768	211MGTY	83-11-02	490	120	5.8	--	6.8	34
			211MGTY	83-11-03	490	114	6.3	--	--	32

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	ACIDITY (MG/L AS 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)
83-11-10	49	13	--	14	11	2.5	49	46	14	--	198	4.7
83-10-27	3	18	--	0.30	3.6	0.50	2.0	3.0	6.0	--	19	--
84-01-12	2	--	0.80	1.4	--	0.20	2.0	--	4.1	5.7	22	0.080
84-01-17	13	3.4	--	2.0	5.2	1.0	20	2.0	3.0	--	54	1.4
84-01-12	--	--	--	--	5.8	--	12	--	8.5	--	33	2.3
84-05-09	7	--	2.7	1.5	4.0	0.20	5.0	--	2.2	6.2	35	2.2
84-04-06	--	--	--	--	11	--	12	67	11	--	159	--
84-07-03	13	--	5.3	1.6	12	0.60	6.0	5.0	13	10.3	62	2.0
84-05-01	6	--	2.5	1.0	6.0	0.90	13	--	7.8	4.6	46	2.4
83-11-02	16	8.0	--	4.3	6.9	1.0	20	6.0	8.0	--	90	4.4
83-11-03	17	--	6.8	3.6	9.0	1.0	20	6.0	9.9	11.2	78	4.1

DATE OF SAMPLE	NITROGEN, NITRITE TOTAL (MG/L AS N)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
83-11-10	--	--	80	20	20
83-10-27	--	30	370	--	70
84-01-12	0.001	--	110	--	--
84-01-17	--	--	20	--	--
84-01-12	--	--	90	--	--
84-05-09	0.003	--	60	--	--
84-04-06	--	40	1900	60	--
84-07-03	0.010	100	1600	--	--
84-05-01	0.019	--	60	--	--
83-11-02	--	--	--	--	80
83-11-03	--	--	130	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
403932073382701	N	9792	211MGTY	84-04-05	537	--	5.4	--	3.4	--
404838073404202	N	9809	112GLCLU	84-05-15	527	--	6.3	--	5.0	58
			112GLCLU	84-05-16	527	167	6.5	--	--	65
404412073351004	N	9846	211MGTY	84-05-09	615	33	6.3	1.0	--	6
404117073323001	N	9878	211MGTY	84-01-16	664	26	5.4	--	--	10
404817073413501	N	9902	112GLCLU	83-10-25	100	290	5.9	--	--	110
404838073404701	N	9903	112GLCLU	83-10-25	120	508	6.1	2.0	--	200
404744073405101	N	9904	112GLCLU	83-10-25	160	579	6.2	2.0	--	160
404831073395401	N	9905	112GLCLU	83-10-26	130	112	6.1	8.0	--	35
404805073401001	N	9906	112GLCLU	83-10-26	125	396	6.2	--	--	100
404747073395601	N	9907	112GLCLU	83-10-25	145	283	6.4	2.0	--	120

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	ACIDITY (MG/L AS 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)
84-04-05	4	--	--	--	3.6	--	7.0	9.0	5.0	--	28	0.010
84-05-15	--	--	--	--	7.5	--	32	10	16	--	120	5.0
84-05-16	36	--	14	7.0	9.0	1.0	26	8.0	11	15.7	113	6.8
84-05-09	4	--	1.8	0.20	3.0	0.1	8.0	--	3.9	6.4	27	0.35
84-01-16	3	--	1.2	1.6	--	0.20	3.0	--	6.6	5.9	26	0.080
83-10-25	64	--	25	10	16	2.3	59	41	23	15.8	219	11
83-10-25	120	--	48	19	23	4.9	51	52	74	12.4	318	12
83-10-25	87	--	35	17	46	16	35	50	100	14.7	337	7.5
83-10-26	20	--	8.2	3.6	8.0	1.1	18	--	8.0	11.8	72	4.6
83-10-26	55	--	22	11	48	2.7	68	35	38	16.7	254	8.9
83-10-25	64	--	25	13	10	1.9	67	40	16	20.3	190	5.0

DATE OF SAMPLE	NITROGEN, NITRITE TOTAL (MG/L AS N)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
84-04-05	--	40	650	30	20
84-05-15	--	--	--	--	--
84-05-16	0.003	--	200	--	--
84-05-09	0.003	--	490	--	--
84-01-16	--	--	130	--	--
83-10-25	0.001	--	--	--	--
83-10-25	0.008	--	--	--	--
83-10-25	0.001	--	--	--	--
83-10-26	0.002	--	100	--	--
83-10-26	0.001	--	--	--	--
83-10-25	--	--	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404052073294802	N	9910	211MGTY	84-01-16	774	26	5.2	--	--	8
404409073374101	N	9914	112GLCLU	84-04-03	57	296	6.0	--	--	110
404535073314601	N	9919	112GLCLU	83-12-05	84	405	5.6	--	--	77
404631073311801	N	9927	112GLCLU	84-05-03	94	149	5.2	--	--	25
404624073321501	N	9928	112GLCLU	83-12-05	86	357	5.2	--	--	66
404603073292001	N	9932	112GLCLU	83-12-05	105	446	5.4	--	--	120
404526073333501	N	9938	112GLCLU	84-05-03	80	280	5.5	--	--	42
404435073334301	N	9939	112GLCLU	83-12-05	74	150	5.2	--	--	27
			112GLCLU	84-05-03	74	154	5.2	--	--	26
404523073363401	N	9940	112GLCLU	84-04-10	53	131	6.4	--	--	19
404442073362401	N	9941	112GLCLU	84-04-06	50	350	5.5	--	--	66

DATE OF SAMPLE	HARD-NESS CAR-BONATE (MG/L-CACO3)	ACIDITY (MG/L AS 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)
84-01-16	1	--	0.60	1.5	--	0.20	1.0	--	5.2	5.8	23	0.080
84-04-03	95	--	38	3.6	12	2.6	24	40	22	5.9	184	10
83-12-05	60	--	24	4.0	50	5.9	10	42	59	13.5	332	30
84-05-03	22	--	8.8	0.80	13	2.7	1.0	27	11	8.3	93	4.4
83-12-05	54	--	21	2.9	53	4.8	6.0	36	76	8.9	239	6.8
83-12-05	76	--	30	10	38	4.5	7.0	39	41	11.2	246	15
84-05-03	24	--	9.5	4.4	35	1.2	7.0	30	40	6.8	168	8.1
83-12-05	19	--	7.7	1.9	14	3.4	6.0	23	13	8.5	129	12
84-05-03	19	--	7.6	1.7	16	2.7	1.0	20	13	7.2	103	7.4
84-04-10	11	--	4.3	2.1	13	1.6	7.0	16	10	5.1	78	4.6
84-04-06	42	--	17	5.6	27	5.9	5.0	37	39	7.0	210	15

DATE OF SAMPLE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
84-01-16	--	--	200	--	--
84-04-03	0.004	--	--	--	--
83-12-05	0.001	--	160	410	--
84-05-03	0.003	--	100	360	--
83-12-05	0.001	--	190	820	--
83-12-05	0.002	--	--	170	--
84-05-03	0.004	--	190	140	--
83-12-05	0.002	--	--	600	--
84-05-03	0.004	--	120	580	--
84-04-10	0.003	--	--	--	--
84-04-06	0.003	60	--	100	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404456073381501	N	9942	112GLCLU	84-04-10	69	389	6.0	--	--	84
404342073380501	N	9943	112GLCLU	84-04-10	69	375	6.2	--	--	54
404513073353401	N	9950	112GLCLU	84-05-02	69	513	5.5	1.0	--	74
404412073363401	N	9959	112GLCLU	84-04-06	54	160	6.3	5.0	--	25
404423073363901	N	9960	112GLCLU	84-04-09	54	335	6.1	4.0	--	73
404433073364301	N	9961	112GLCLU	84-04-09	54	317	6.1	9.0	--	70
404446073372401	N	9962	112GLCLU	84-04-06	54	246	6.2	4.0	--	84
404403073370601	N	9964	112GLCLU	84-08-08	54	170	6.3	6.0	--	42
404404073363101	N	9967	112GLCLU	84-04-09	54	252	6.2	2.0	--	43
404432073371202	N	9968	112GLCLU	84-04-06	68	358	6.5	5.0	--	85

DATE OF SAMPLE	HARD-NESS CAR-BONATE (MG/L-CACO3)	ACIDITY (MG/L AS 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)
84-04-10	66	--	26	4.2	36	3.6	12	36	60	8.5	217	7.9
84-04-10	38	--	15	3.8	55	1.6	14	54	56	6.9	218	3.7
84-05-02	47	--	18	6.3	60	5.3	3.0	22	100	8.2	269	9.6
84-04-06	13	--	5.2	2.3	19	0.90	20	--	34	3.5	86	0.39
84-04-09	48	--	19	4.9	32	2.2	18	22	49	4.4	151	0.86
84-04-09	32	--	13	5.3	32	2.5	21	29	49	5.9	181	5.0
84-04-06	70	--	28	2.7	12	2.4	21	47	28	6.0	155	3.2
84-08-08	26	--	10	3.6	20	0.90	22	6.0	29	7.1	107	3.6
84-04-09	28	--	11	3.5	27	1.1	15	--	57	1.3	118	0.52
84-04-06	65	--	26	4.1	34	4.0	65	37	38	4.8	209	4.4

DATE OF SAMPLE	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	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)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)
84-04-10	0.001	--	--	--	--
84-04-10	0.001	--	--	--	--
84-05-02	0.008	--	660	350	--
84-04-06	0.005	50	1400	90	--
84-04-09	0.053	70	2500	--	--
84-04-09	0.016	--	8700	670	--
84-04-06	0.017	--	1900	--	--
84-08-08	0.009	--	750	--	--
84-04-09	0.003	110	660	--	--
84-04-06	0.016	70	1800	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404028073485901	N 9977	211MGTY	83-10-17	196	380	5.9	9.0	--	170
404028073485902	N 9978	211MGTY	83-10-17	246	260	6.4	7.0	--	120
404514073265201	N 10024	211MGTY	83-10-01	102	580	5.8	--	--	130
		211MGTY	84-02-01	102	490	5.7	--	--	120
404521073264301	N 10025	211MGTY	83-11-01	110	530	6.1	--	--	200
404529073264301	N 10026	211MGTY	83-10-01	110	530	6.1	--	--	150
		211MGTY	84-02-01	110	530	5.8	--	--	150
404531073271601	N 10027	211MGTY	83-11-01	118	180	5.8	--	--	34
		211MGTY	84-02-01	118	150	5.1	--	--	28
404416073372001	N 10094	112GLCLU	84-04-03	68	167	5.7	3.0	--	51
404403073366001	N 10096	112GLCLU	84-05-01	36	144	6.5	80	--	23

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-CACO3)	ACIDITY (MG/L AS 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)
83-10-17	110	--	42	16	28	2.1	106	40	32	18.7	256	2.6
83-10-17	72	--	29	11	17	1.8	52	42	17	14.4	196	6.6
83-10-01	--	--	31	15	54	7.0	40	60	110	--	370	--
84-02-01	--	--	19	8.2	35	11	50	85	68	--	280	--
83-11-01	--	--	55	8.0	30	18	52	55	140	--	380	--
83-10-01	--	--	46	5.0	28	17	16	30	130	--	380	--
84-02-01	--	--	50	5.2	26	17	18	35	130	--	310	--
83-11-01	--	--	3.5	4.9	16	2.7	14	8.0	20	--	120	--
84-02-01	--	--	7.0	4.3	16	1.8	6.0	--	18	--	87	--
84-04-03	40	--	16	1.9	7.0	2.0	11	27	12	7.3	100	4.1
84-05-01	12	--	4.8	2.1	22	0.50	25	--	19	3.8	85	2.2

DATE OF SAMPLE	NITROGEN, NITRITE TOTAL (MG/L AS N)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
83-10-17	0.045	--	1100	50	--
83-10-17	0.023	--	2200	480	--
83-10-01	--	--	1800	1200	100
84-02-01	--	--	900	600	50
83-11-01	--	--	1200	250	50
83-10-01	--	--	210	570	50
84-02-01	--	--	200	800	70
83-11-01	--	50	--	20	170
84-02-01	--	30	--	20	80
84-04-03	0.002	--	1300	--	--
84-05-01	0.023	--	1600	60	--

SUFFOLK COUNTY

WELL INDEX

Quality of ground water records for Suffolk County are divided into two sections according to the agency that collected and analyzed the samples. The following list indicates the page number where data for each well may be found.

WELL INDEX--Continued

WATER GUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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	83-11-07	110	89	5.7	0.15	27	5.0
			112GLCLU	84-04-12	110	97	5.6	0.19	21	5.8
404454073033002	S	872	112GLCLU	83-11-08	107	110	5.8	0.14	42	6.9
			112GLCLU	84-04-10	107	132	5.7	0.20	28	7.8
404551072561601	S	1331	112GLCLU	84-02-06	60	124	5.5	0.16	48	8.9
			112GLCLU	84-05-21	60	154	5.5	0.18	34	9.9
405412072232901	S	1340	112GLCLU	84-01-31	87	187	5.5	0.22	98	24
405721072123001	S	2405	112GLCLU	83-10-16	88	144	5.7	0.35	39	8.0
			112GLCLU	84-02-27	88	111	5.9	0.11	48	11
405720072122701	S	2415	112GLCLU	83-10-17	121	144	5.7	0.19	37	7.9
			112GLCLU	84-02-25	121	115	5.9	0.15	40	8.1
			112GLCLU	84-06-25	121	128	5.6	0.11	52	7.5

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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
83-11-07	1.6	9.4	1.1	15	10	12	56	1.2	<0.010	<0.100	--	--
84-04-12	1.6	8.6	1.2	15	9.4	10	60	1.0	<0.010	<0.100	<0.5	<5
83-11-08	1.9	10	1.8	15	14	14	71	2.1	<0.010	<0.100	--	--
84-04-10	2.0	11	2.0	17	12	13	80	2.3	<0.010	<0.100	<0.5	<5
84-02-06	2.3	12	1.7	11	16	16	83	3.3	<0.010	<0.100	<0.5	<5
84-05-21	2.6	12	1.9	12	16	16	95	4.0	<0.010	<0.100	--	--
84-01-31	5.7	11	3.8	12	53	24	157	5.5	<0.010	<0.100	<0.5	<5
83-10-16	4.4	12	1.4	12	14	19	85	3.2	<0.010	<0.100	--	--
84-02-27	5.4	16	1.5	14	24	22	113	4.7	<0.010	<0.100	<0.5	<5
83-10-17	4.3	12	1.4	12	17	18	86	3.2	<0.010	<0.100	--	--
84-02-25	4.1	11	1.3	13	18	17	83	2.8	<0.010	<0.100	<0.5	<5
84-06-25	3.6	9.1	1.0	14	16	14	78	2.0	<0.010	<0.100	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
83-11-07	20	40	--	670	--	--	40	<0.020
84-04-12	<20	<30	--	670	--	<2	<20	<0.020
83-11-08	20	20	--	800	--	--	80	<0.020
84-04-10	20	<30	--	790	--	<2	50	<0.020
84-02-06	<20	<30	--	<10	--	<2	30	<0.020
84-05-21	<20	<30	<5	10	<0.20	--	50	<0.020
84-01-31	<20	<30	--	10	--	<2	170	<0.020
83-10-16	80	<30	--	30	--	--	<20	<0.020
84-02-27	80	<30	--	20	--	<2	20	<0.020
83-10-17	100	<30	--	30	--	--	<20	<0.020
84-02-25	120	<30	--	20	--	<2	<20	<0.020
84-06-25	70	<30	<5	10	<0.20	--	20	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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	112GLCLU	83-10-20	271	33	5.6	0.10	9	1.8
			112GLCLU	84-03-06	271	43	5.8	0.14	13	2.3
			112GLCLU	84-07-10	271	42	5.7	0.14	13	1.8
410310071570901	S	3615	112GLCLU	83-10-17	111	210	6.2	0.13	55	7.8
			112GLCLU	84-02-27	111	155	6.2	0.12	37	7.6
			112GLCLU	84-06-25	111	175	6.2	0.11	38	6.9
404426073073303	S	3815	112GLCLU	84-08-02	83	61	6.0	0.15	30	6.6
405032073162801	S	4184	112GLCLU	84-02-27	162	215	5.6	0.10	75	21
			112GLCLU	84-05-22	162	298	5.6	0.14	77	20
405646073041601	S	4372	112GLCLU	84-03-14	94	49	6.1	0.13	14	3.5
			112GLCLU	84-07-19	94	72	6.5	0.24	36	7.7
405840072114501	S	7570	112GLCLU	83-10-16	162	128	6.0	0.18	30	6.7
			112GLCLU	84-02-28	162	133	6.0	0.24	32	7.0
			112GLCLU	84-06-25	162	160	5.9	0.36	40	7.0

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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
83-10-20	0.70	4.4	0.57	6.0	0.90	6.0	31	1.4	<0.010	<0.100	--	--
84-03-06	0.70	4.6	0.46	7.0	0.80	5.0	33	1.3	<0.010	<0.100	<0.5	<5
84-07-10	0.69	4.4	0.49	8.0	<0.50	6.5	30	1.4	<0.010	<0.100	--	--
83-10-17	5.1	29	1.7	33	7.5	46	114	1.2	<0.010	<0.100	--	--
84-02-27	4.3	19	1.3	32	9.7	27	86	1.0	<0.010	<0.100	<0.5	<5
84-06-25	4.4	19	1.3	32	8.9	26	101	1.1	<0.010	<0.100	--	--
84-08-02	2.2	4.3	0.69	21	2.0	4.0	34	0.85	<0.010	0.210	--	--
84-02-27	5.5	25	3.4	14	28	32	180	12	<0.010	<0.100	<0.5	<5
84-05-22	5.7	25	3.6	18	35	30	192	11	<0.010	<0.100	--	--
84-03-14	1.0	4.1	0.41	16	1.6	4.5	37	0.60	<0.010	<0.100	<0.5	<5
84-07-19	1.3	4.3	0.46	25	1.8	4.5	47	0.52	<0.010	<0.100	--	--
83-10-16	3.0	13	0.81	13	14	19	76	2.1	<0.010	0.100	--	--
84-02-28	3.6	12	0.65	12	14	18	77	2.1	<0.010	<0.100	<0.5	<5
84-06-25	4.2	15	0.73	14	14	26	96	2.4	<0.010	<0.100	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
83-10-20	<20	<30	--	<10	--	--	20	<0.020
84-03-06	30	<30	--	<10	--	<2	<20	<0.020
84-07-10	30	<30	<5	<10	<0.20	--	<20	<0.020
83-10-17	20	90	--	50	--	--	340	<0.020
84-02-27	20	<30	--	<10	--	<2	<20	<0.020
84-06-25	30	<30	<5	<10	<0.20	--	<20	<0.020
84-08-02	<20	<30	<5	<10	<0.20	--	50	<0.020
84-02-27	50	<30	--	40	--	--	20	<0.020
84-05-22	90	40	<5	50	<0.20	--	110	<0.020
84-03-14	30	<30	--	<10	--	<2	<20	<0.020
84-07-19	20	40	<5	<10	<0.20	--	80	<0.020
83-10-16	50	110	--	10	--	--	120	<0.020
84-02-28	40	<30	--	<10	--	<2	20	<0.020
84-06-25	70	<30	<5	<10	<0.20	--	<20	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
405646073041602	S 8439	112GLCLU	83-10-11	91	56	6.5	0.22	35	3.5
		112GLCLU	84-03-08	91	52	6.0	0.18	14	4.0
		112GLCLU	84-07-19	91	62	7.0	0.28	17	3.9
404452073033001	S 9893	112GLCLU	83-11-07	103	56	5.9	0.17	27	3.5
		112GLCLU	84-04-12	103	69	5.8	0.13	18	4.2
		112GLCLU	84-08-09	103	77	5.8	0.19	20	4.2
405345073203801	S 11105	112GLCLU	83-10-19	517	112	5.9	0.25	35	7.7
		112GLCLU	84-03-06	517	120	5.9	0.14	37	8.8
		112GLCLU	84-07-10	517	114	5.8	0.21	36	8.6
405126073273802	S 12130	112GLCLU	83-11-28	307	25	5.7	0.16	7	1.8
		112GLCLU	84-04-25	307	37	5.8	0.10	13	2.6
		112GLCLU	84-08-17	307	35	6.0	0.23	21	1.7
404919073142701	S 14326	211MGTY	84-01-20	225	61	5.7	0.10	30	4.6
		211MGTY	84-05-06	225	70	5.9	0.24	30	4.8

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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
83-10-11	1.2	4.5	0.48	14	7.0	3.0	35	1.2	<0.010	<0.100	--	--
84-03-08	1.3	4.5	0.45	15	1.9	5.0	40	1.1	<0.010	<0.100	<0.5	<5
84-07-19	1.3	4.5	0.47	17	2.1	5.0	42	1.1	<0.010	<0.100	--	--
83-11-07	1.4	5.2	0.61	13	5.1	7.5	37	0.75	<0.010	<0.100	--	--
84-04-12	1.5	5.6	0.61	13	4.7	8.0	45	0.73	<0.010	<0.100	<0.5	<5
84-08-09	1.7	6.3	0.61	15	4.2	10	51	1.1	<0.010	<0.100	--	--
83-10-19	2.9	8.0	0.99	11	10	11	73	4.8	<0.010	<0.100	--	--
84-03-06	3.0	7.7	0.96	12	9.9	10	79	4.9	<0.010	<0.100	<0.5	<5
84-07-10	3.1	7.7	1.0	12	10	11	74	5.0	<0.010	<0.100	--	--
83-11-28	0.65	3.7	0.45	7.0	<0.50	4.0	26	1.0	<0.010	<0.100	--	--
84-04-25	0.71	3.9	0.54	9.0	0.50	5.0	33	1.1	<0.010	<0.100	<0.5	<5
84-08-17	0.71	3.7	0.40	10	<0.50	4.5	31	1.0	<0.010	<0.100	--	--
84-01-20	1.6	5.3	0.51	18	1.2	6.5	34	0.85	<0.010	<0.100	<0.5	<5
84-05-06	1.9	5.2	0.48	21	2.5	6.5	47	0.95	<0.010	<0.100	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
83-10-11	30	40	--	<10	--	--	20	<0.020
84-03-08	70	<30	--	<10	--	<2	20	<0.020
84-07-19	20	<30	<5	<10	<0.20	--	30	<0.020
83-11-07	20	<30	--	570	--	--	110	<0.020
84-04-12	20	<30	--	520	--	<2	<20	<0.020
84-08-09	<20	<30	<5	490	<0.20	--	<20	<0.020
83-10-19	50	<30	--	<10	--	--	20	<0.020
84-03-06	40	<30	--	<10	--	<2	20	<0.020
84-07-10	50	<30	<5	10	<0.20	--	90	<0.020
83-11-28	90	<30	--	<10	--	--	<20	<0.020
84-04-25	110	<30	--	<10	--	<2	30	<0.020
84-08-17	110	<30	<5	<10	<0.20	--	<20	<0.020
84-01-20	<20	<30	--	<10	--	<2	<20	<0.020
84-05-06	<20	<30	<5	10	<0.20	--	<20	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404551072561602	S 14710	112GLCLU	84-02-05	116	91	5.8	0.84	40	6.4
		112GLCLU	84-05-22	116	106	5.9	0.26	25	7.6
405453073030302	S 14792	211MGTY	84-02-21	453	86	6.5	0.13	47	8.8
		211MGTY	84-06-18	453	146	6.2	0.65	45	10
405114073261001	S 14828	112GLCLU	83-11-28	506	104	5.9	0.10	33	7.4
		112GLCLU	84-04-24	506	132	6.7	0.13	37	9.4
		112GLCLU	84-08-16	506	150	5.9	0.16	39	9.0
405806072095401	S 14921	112GLCLU	83-10-18	125	86	6.0	0.21	27	3.6
		112GLCLU	84-02-27	125	80	5.8	0.14	23	4.0
		112GLCLU	84-06-26	125	92	5.8	0.28	20	3.6
405307073175001	S 15515	112GLCLU	83-10-21	356	280	6.1	0.17	120	27
		112GLCLU	84-03-12	356	66	5.9	0.16	22	5.2
		112GLCLU	84-07-11	356	305	6.0	0.24	120	30
404923073122401	S 15746	112GLCLU	84-02-12	129	225	5.7	0.13	58	17
		112GLCLU	84-05-13	129	290	5.8	0.13	67	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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
84-02-05	2.1	8.6	1.2	15	7.1	12	60	2.8	<0.010	<0.100	<0.5	<5
84-05-22	2.2	8.4	1.2	15	7.7	10	69	3.0	<0.010	<0.100	--	--
84-02-21	3.3	6.2	0.80	20	12	7.5	73	3.0	<0.010	<0.100	<0.5	<5
84-06-18	4.4	8.0	1.0	21	15	11	92	4.3	<0.010	<0.100	--	--
83-11-28	3.0	7.4	0.87	11	5.6	10	68	5.2	<0.010	<0.100	--	--
84-04-24	3.7	7.9	0.94	13	8.3	12	87	6.1	<0.010	--	<0.5	<5
84-08-16	3.8	8.4	1.0	12	9.3	12	87	<5.9	<0.010	<0.100	--	--
83-10-18	2.1	8.5	0.87	11	8.5	13	50	0.73	<0.010	<0.100	--	--
84-02-27	2.2	8.5	0.77	9.0	11	12	52	0.68	<0.010	<0.100	<0.5	<5
84-06-26	2.2	8.4	0.79	10	10	12	56	0.64	<0.010	<0.100	--	--
83-10-21	10	13	2.0	14	54	25	183	9.2	<0.010	<0.100	--	--
84-03-12	1.1	4.6	0.51	12	1.5	5.5	45	2.2	<0.010	<0.100	<0.5	<5
84-07-11	11	13	1.9	15	62	26	204	9.0	<0.010	<0.100	--	--
84-02-12	4.9	31	2.2	20	21	48	165	6.4	<0.010	<0.100	<0.5	<5
84-05-13	5.1	30	2.3	23	22	46	174	6.1	<0.010	<0.100	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
84-02-05	<20	190	--	40	--	<2	30	<0.020
84-05-22	<20	260	<5	40	<0.20	--	20	<0.020
84-02-21	<20	50	--	30	--	<2	20	<0.020
84-06-18	40	<30	<5	20	<0.20	--	<20	<0.020
83-11-28	60	<30	--	10	--	--	50	<0.020
84-04-24	20	<30	--	<10	--	<2	<20	<0.020
84-08-16	70	<30	<5	<10	<0.20	--	<20	<0.020
83-10-18	50	<30	--	<10	--	--	30	<0.020
84-02-27	40	<30	--	<10	--	<2	20	<0.020
84-06-26	40	<30	<5	<10	<0.20	--	<20	<0.020
83-10-21	30	30	--	<10	--	--	<20	<0.020
84-03-12	70	<30	--	10	--	<2	<20	<0.020
84-07-11	30	40	<5	10	<0.20	--	150	<0.020
84-02-12	90	<30	--	20	--	<2	<20	<0.020
84-05-13	80	<30	<5	40	<0.20	--	60	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
405113073260801	S 15776	112GLCLU	83-11-29	504	93	6.2	0.19	37	9.1
		112GLCLU	84-04-22	504	105	6.0	0.13	41	7.7
		112GLCLU	84-08-17	504	116	6.2	0.15	37	9.6
404536073163301	S 15898	112GLCLU	84-06-18	128	200	5.3	0.26	42	10
405134073155901	S 15923	112GLCLU	84-01-26	264	180	5.2	0.14	58	10
		112GLCLU	84-05-08	264	205	5.2	0.10	66	11
405607073072401	S 15962	112GLCLU	83-10-11	124	185	5.7	0.18	56	10
		112GLCLU	84-02-09	124	168	5.8	0.25	52	11
		112GLCLU	84-07-17	124	200	5.7	0.12	67	11
405301073153201	S 16129	211MGTY	84-01-24	550	62	6.5	0.12	20	5.9
		211MGTY	84-05-07	550	--	5.5	0.21	8	1.4
404402073193202	S 16256	211MGTY	83-11-15	650	26	4.9	0.74	5	0.80
		211MGTY	84-04-04	650	30	5.2	0.25	5	1.1
		211MGTY	84-08-05	650	34	5.0	1.0	10	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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
83-11-29	2.7	6.3	0.77	21	4.4	7.5	57	3.6	<0.010	<0.100	--	--
84-04-22	3.0	6.1	0.82	14	8.3	9.0	71	4.1	<0.010	<0.100	<0.5	<5
84-08-17	3.5	7.0	0.88	17	10	9.5	81	4.5	<0.010	<0.100	--	--
84-06-18	3.3	17	2.1	7.0	20	25	119	5.8	<0.010	<0.100	--	--
84-01-26	5.7	18	1.5	12	17	23	119	7.3	<0.010	--	<0.5	<5
84-05-08	6.1	17	1.7	10	17	24	130	8.1	<0.010	<0.100	--	--
83-10-11	5.9	14	1.4	23	22	17	102	4.4	<0.010	<0.100	--	--
84-02-09	5.9	13	1.2	21	23	17	114	4.4	<0.010	<0.100	<0.5	<5
84-07-17	6.3	14	1.4	23	30	17	113	4.6	<0.010	<0.100	--	--
84-01-24	1.1	4.7	0.50	20	<0.50	6.5	33	0.81	<0.010	<0.100	<0.5	<5
84-05-07	0.38	3.3	0.37	4.0	<0.50	5.0	23	0.26	<0.010	<0.100	--	--
83-11-15	0.38	3.5	0.41	5.0	3.0	3.5	22	<0.050	<0.010	<0.100	--	--
84-04-04	0.42	3.6	0.50	5.0	2.6	4.0	24	<0.050	<0.010	0.590	<0.5	<5
84-08-05	0.49	4.1	0.42	6.0	1.4	3.0	21	<0.050	<0.010	1.65	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
83-11-29	70	<30	--	<10	--	--	<20	<0.020
84-04-22	40	<30	--	<10	--	<2	<20	<0.020
84-08-17	30	<30	<5	<10	<0.20	--	<20	<0.020
84-06-18	140	30	<5	190	<0.20	--	<20	<0.020
84-01-26	410	30	--	10	--	<2	120	<0.020
84-05-08	80	<30	<5	20	<0.20	--	60	<0.020
83-10-11	60	<30	--	<10	--	--	<20	<0.020
84-02-09	70	40	--	<10	--	<2	20	<0.020
84-07-17	40	30	<5	10	<0.20	--	40	<0.020
84-01-24	30	<30	--	<10	--	<2	20	<0.020
84-05-07	70	80	<5	<10	<0.20	--	<20	<0.020
83-11-15	40	300	--	<10	--	--	<20	<0.020
84-04-04	20	220	--	<10	--	<2	<20	<0.020
84-08-05	<20	380	<5	10	<0.20	--	<20	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
405230073030601	S 16309	112GLCLU	83-11-01	251	53	6.7	0.24	18	4.7
		112GLCLU	84-03-27	251	56	6.7	0.18	29	5.1
		112GLCLU	84-07-23	251	54	6.6	0.13	20	5.4
404947072405601	S 16892	112GLCLU	84-01-30	76	75	5.6	0.19	32	4.4
		112GLCLU	84-05-30	76	102	6.0	0.31	18	4.7
404945072414201	S 16893	112GLCLU	84-01-30	69	120	5.7	0.20	32	6.2
		112GLCLU	84-05-30	69	155	6.0	0.14	37	5.9
404952072583601	S 17037	112GLCLU	84-01-29	155	85	5.7	0.11	43	10
405413072232901	S 17474	112GLCLU	84-01-31	103	--	5.8	0.10	130	3.0
		112GLCLU	84-05-28	103	295	5.8	0.12	120	3.0
405449073025601	S 17689	211MGTY	84-02-22	543	35	6.5	0.15	31	2.9
		211MGTY	84-06-19	543	42	6.1	0.81	12	2.8

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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
83-11-01	1.6	3.8	0.48	21	3.9	2.5	28	0.17	<0.010	0.300	--	--
84-03-27	1.7	3.7	0.44	21	3.0	4.0	40	0.070	<0.010	0.290	<0.5	<5
84-07-23	1.7	3.6	0.48	21	3.1	3.0	45	1.2	<0.010	0.340	--	--
84-01-30	1.5	9.5	1.1	8.0	7.5	17	58	1.3	<0.010	<0.100	<0.5	<5
84-05-30	1.6	9.5	0.97	9.0	7.7	16	60	0.97	<0.010	<0.100	--	--
84-01-30	1.7	17	1.1	10	8.6	31	80	0.77	<0.010	<0.100	<0.5	<5
84-05-30	1.8	18	1.0	9.0	11	33	87	0.22	<0.010	<0.100	--	--
84-01-29	2.7	11	2.2	12	15	13	89	5.4	<0.100	<0.100	<0.5	<5
84-01-31	10	10	2.1	13	70	24	200	6.5	<0.010	<0.100	<0.5	<5
84-05-28	8.8	10	2.0	13	73	22	193	6.6	<0.010	<0.100	--	--
84-02-22	0.90	3.3	0.42	15	0.50	3.5	31	0.31	<0.010	<0.100	<0.5	<5
84-06-19	0.95	3.3	0.36	14	1.0	3.5	31	0.35	<0.010	<0.100	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
83-11-01	<20	<30	--	<10	--	--	30	<0.020
84-03-27	<20	<30	--	<10	--	<2	<20	<0.020
84-07-23	<20	<30	<5	10	<0.20	--	40	<0.020
84-01-30	<20	40	--	30	--	<2	<20	<0.020
84-05-30	<20	90	<5	10	<0.20	--	20	<0.020
84-01-30	<20	<30	--	10	--	<2	40	<0.020
84-05-30	<20	<30	<5	10	<0.20	--	90	<0.020
84-01-29	<20	<30	--	160	--	<2	40	<0.020
84-01-31	70	<30	--	<10	--	<2	30	<0.020
84-05-28	80	<30	<5	10	<0.20	--	40	<0.020
84-02-22	<20	50	--	30	--	<2	40	<0.020
84-06-19	20	<30	<5	10	<0.20	--	<20	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404233073204101	S 18003	211MGTY	83-11-15	671	22	4.6	0.14	4	0.50
		211MGTY	84-04-09	671	21	4.6	0.24	3	0.50
		211MGTY	84-08-06	671	20	5.0	0.31	5	0.90
404707073190401	S 18261	211MGTY	83-11-13	388	33	5.2	0.15	10	3.3
		211MGTY	84-04-08	388	49	5.2	0.19	16	2.6
		211MGTY	84-08-07	388	81	5.0	0.20	25	3.5
404528073150501	S 18566	211MGTY	83-11-17	653	57	5.5	0.15	15	3.6
		211MGTY	84-04-23	653	83	6.0	0.23	37	5.8
404704073190401	S 18621	112GLCLU	83-11-16	201	80	5.3	0.16	21	4.6
		112GLCLU	84-04-04	201	98	5.7	0.10	31	6.3
		112GLCLU	84-08-07	201	73	5.0	0.18	24	3.8
410310071570001	S 18762	112GLCLU	83-10-15	167	170	6.4	0.18	47	6.5
404301073161901	S 19048	211MGTY	84-02-07	735	28	5.1	1.5	15	0.70
		211MGTY	84-02-07	735	28	5.1	1.5	15	0.70
		211MGTY	84-06-11	735	28	5.0	0.18	8	0.60

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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
83-11-15	0.26	2.1	0.29	3.0	2.2	2.0	17	<0.050	<0.010	<0.100	--	--
84-04-09	0.25	2.1	0.29	3.0	2.5	2.0	18	<0.050	<0.010	<0.100	<5	<5
84-08-06	0.28	2.2	0.30	5.0	2.6	2.5	19	<0.050	<0.010	<0.100	--	--
83-11-13	1.0	4.5	0.54	7.0	1.6	5.0	33	1.6	<0.010	<0.100	--	--
84-04-08	1.0	4.6	0.52	8.0	1.4	5.5	33	1.6	<0.010	<0.100	<0.5	<5
84-08-07	1.9	7.2	0.69	12	4.1	8.5	49	2.8	<0.010	<0.100	--	--
83-11-17	1.4	5.2	0.47	10	7.3	6.0	36	0.49	<0.010	<0.100	--	--
84-04-23	2.0	6.2	0.52	12	11	9.0	56	1.0	<0.010	<0.100	<0.5	<5
83-11-16	2.4	7.7	0.70	12	4.3	8.0	52	3.1	<0.010	<0.100	--	--
84-04-04	2.5	7.8	0.70	17	3.9	9.5	56	3.1	<0.010	<0.100	<0.5	<5
84-08-07	1.9	6.4	0.69	13	4.2	7.5	46	2.5	<0.010	<0.100	--	--
83-10-15	4.0	21	1.5	30	8.0	31	85	0.48	<0.010	<0.100	--	--
84-02-07	0.43	3.2	0.53	4.0	4.2	3.5	23	<0.050	<0.010	<0.100	<0.5	<5
84-02-07	0.43	3.2	0.53	4.0	4.2	3.5	23	<0.050	<0.010	<0.100	<0.5	<5
84-06-11	0.39	3.2	0.48	4.0	3.5	3.0	23	<0.050	<0.010	0.850	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
83-11-15	50	300	--	<10	--	--	<20	<0.020
84-04-09	<20	330	--	20	--	<2	20	<0.020
84-08-06	<20	360	<5	<10	<0.20	--	<20	<0.020
83-11-13	90	<30	--	10	--	--	50	<0.020
84-04-08	100	40	--	<10	--	<2	20	<0.020
84-08-07	150	<30	<5	<10	<0.20	--	<20	<0.020
83-11-17	190	<30	--	20	--	--	<20	<0.020
84-04-23	220	130	--	20	--	<2	20	<0.020
83-11-16	110	<30	--	<10	--	--	<20	<0.020
84-04-04	100	40	--	<10	--	<2	<20	<0.020
84-08-07	110	<30	<5	<10	<0.20	--	<20	<0.020
83-10-15	30	70	--	10	--	--	40	<0.020
84-02-07	<20	840	--	10	--	<2	<20	<0.020
84-02-07	<20	840	--	10	--	<2	<20	<0.020
84-06-11	40	760	<5	20	<0.20	--	60	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404921073122701	S 19399	112GLCLU	84-02-13	131	195	5.7	0.14	46	13
		112GLCLU	84-05-09	131	245	5.8	0.15	50	13
404953072583601	S 19408	112GLCLU	84-02-06	166	98	5.9	0.11	40	7.3
		112GLCLU	84-05-16	166	138	6.0	0.16	32	8.5
405443073064501	S 19465	112GLCLU	84-02-16	177	63	6.1	0.12	20	6.6
		112GLCLU	84-07-05	177	116	5.4	0.21	30	6.8
404550073104301	S 19565	112GLCLU	83-11-22	119	260	5.6	0.26	72	22
		112GLCLU	84-04-23	119	225	5.7	0.17	56	18
		112GLCLU	84-08-20	119	193	5.5	0.20	50	15
405129073071901	S 19884	112GLCLU	83-11-01	303	100	6.0	0.31	30	7.3
		112GLCLU	84-03-18	303	116	5.8	0.18	41	7.3
		112GLCLU	84-07-15	303	120	5.7	0.18	30	7.9
405128073072001	S 19885	112GLCLU	83-10-25	295	150	6.2	0.16	40	9.2
		112GLCLU	84-03-20	295	161	5.8	0.12	44	10
		112GLCLU	84-07-10	295	131	5.5	0.19	30	8.2

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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
84-02-13	3.3	25	2.3	18	18	40	131	3.8	<0.010	<0.100	<0.5	<5
84-05-09	3.4	25	2.3	20	18	39	141	3.6	<0.010	<0.100	--	--
84-02-06	2.7	8.4	1.2	17	11	9.0	64	3.1	<0.010	<0.100	<0.5	<5
84-05-16	3.1	9.8	1.3	17	12	10	84	4.1	<0.010	<0.100	--	--
84-02-16	3.0	8.7	0.74	22	3.2	8.5	70	3.7	<0.010	<0.100	<0.5	<5
84-07-05	3.2	8.4	0.68	23	3.9	10	73	3.7	<0.010	<0.100	--	--
83-11-22	4.3	22	6.5	10	42	35	172	6.4	<0.010	<0.100	--	--
84-04-23	3.6	17	5.1	11	31	26	144	6.1	<0.010	<0.100	<0.5	<5
84-08-20	3.1	14	4.5	9.0	29	21	124	4.8	<0.010	<0.100	--	--
83-11-01	2.7	12	1.1	19	10	13	75	3.7	<0.010	<0.100	--	--
84-03-18	2.5	11	1.1	17	11	10	78	3.2	<0.010	<0.100	<0.5	<5
84-07-15	2.7	11	1.2	16	12	12	73	3.3	<0.010	<0.100	--	--
83-10-25	2.9	25	1.3	41	12	16	101	5.0	<0.010	0.120	--	--
84-03-20	3.1	17	1.6	26	13	16	109	5.0	<0.010	<0.100	<0.5	<5
84-07-10	2.7	12	1.4	16	12	14	80	4.0	<0.010	<0.100	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
84-02-13	80	<30	--	40	--	<2	<20	<0.020
84-05-09	140	<30	<5	40	<0.20	--	170	<0.020
84-02-06	70	<30	--	50	--	<2	30	<0.020
84-05-16	<20	<30	<5	60	<0.20	--	<20	<0.020
84-02-16	20	<30	--	10	--	<2	<20	<0.020
84-07-05	20	<30	<5	10	<0.20	--	<20	<0.020
83-11-22	40	<30	--	120	--	--	80	<0.020
84-04-23	40	<30	--	80	--	<2	<20	<0.020
84-08-20	110	80	<5	100	<0.20	--	300	<0.020
83-11-01	20	40	--	10	--	--	130	<0.020
84-03-18	20	<30	--	<10	--	<2	40	<0.020
84-07-15	<20	<30	<5	10	<0.20	--	130	<0.020
83-10-25	<20	<30	--	10	--	--	50	<0.020
84-03-20	70	<30	--	<10	--	<2	30	<0.020
84-07-10	40	<30	<5	10	<0.20	--	70	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404519073225101	S 20057	112GLCLU	83-11-15	200	22	5.1	0.28	6	1.2
		112GLCLU	84-04-09	200	18	4.8	0.31	4	0.90
		112GLCLU	84-08-07	200	26	4.9	0.21	17	1.3
404516073225101	S 20300	211MGTY	83-11-14	232	14	5.2	0.16	5	0.70
		211MGTY	84-04-11	232	21	5.3	0.21	5	0.90
		211MGTY	84-08-06	232	20	5.4	0.18	9	1.3
404936073152501	S 20369	211MGTY	84-01-25	312	39	5.3	0.19	25	2.4
		211MGTY	84-05-16	312	43	5.5	0.22	10	2.3
404240073225002	S 20460	211MGTY	84-01-22	499	31	4.3	0.10	14	0.80
		211MGTY	84-04-30	499	34	4.6	0.15	7	0.80
404547073104201	S 20479	112GLCLU	83-11-17	128	160	5.3	0.19	51	13
		112GLCLU	84-04-16	128	165	5.5	0.15	48	14
		112GLCLU	84-08-13	128	52	6.5	0.15	13	6.5

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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
83-11-15	0.34	2.9	0.42	6.0	<0.50	3.5	19	0.14	<0.010	<0.100	--	--
84-04-09	0.22	1.8	0.26	5.0	0.80	2.0	18	0.080	<0.010	<0.100	<0.5	<5
84-08-07	0.34	2.9	0.40	9.0	<0.50	4.5	20	0.13	<0.010	<0.100	--	--
83-11-14	0.23	2.2	0.32	6.0	<0.50	2.5	16	<0.050	<0.010	<0.100	--	--
84-04-11	0.21	2.2	0.37	6.0	<0.50	2.5	19	<0.050	<0.010	<0.100	<0.5	<5
84-08-06	0.23	2.3	0.34	8.0	<0.50	4.0	18	<0.050	<0.010	<0.100	--	--
84-01-25	0.83	4.3	0.59	12	1.0	3.0	26	0.76	<0.010	<0.100	<0.5	<5
84-05-16	0.95	4.4	0.50	11	0.60	5.0	33	0.81	<0.010	<0.100	--	--
84-01-22	0.35	4.4	0.66	3.0	<0.50	5.5	22	<0.050	<0.010	1.38	<0.5	<5
84-04-30	0.36	4.5	0.38	3.0	3.9	3.5	24	<0.050	<0.010	2.14	--	--
83-11-17	3.0	10	3.8	9.0	26	16	107	5.0	<0.010	<0.100	--	--
84-04-16	3.3	9.2	3.6	10	26	16	110	4.7	<0.010	<0.100	<0.5	<5
84-08-13	1.0	3.7	0.60	12	4.9	4.5	39	0.31	<0.010	<0.100	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
83-11-15	60	30	--	20	--	--	150	<0.020
84-04-09	30	70	--	<10	--	<2	20	<0.020
84-08-07	20	<30	<5	<10	<0.20	--	<20	<0.020
83-11-14	30	<30	--	10	--	--	30	<0.020
84-04-11	20	30	--	<10	--	<2	40	<0.020
84-08-06	<20	<30	<5	10	<0.20	--	80	<0.020
84-01-25	<20	60	--	<10	--	<2	40	<0.020
84-05-16	50	<30	<5	10	<0.20	--	<20	<0.020
84-01-22	20	440	--	20	--	<2	140	<0.020
84-04-30	20	340	<5	10	<0.20	--	20	<0.020
83-11-17	80	<30	--	90	--	--	20	<0.020
84-04-16	60	<30	--	80	--	<2	<20	<0.020
84-08-13	50	190	<0.5	10	<0.20	--	20	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
405257073202901	S 20530	112GLCLU	83-10-24	715	32	5.6	0.13	29	1.4
		112GLCLU	84-03-07	715	37	5.5	0.14	10	2.1
		112GLCLU	84-07-10	715	35	5.8	0.35	7	1.8
404317073153601	S 20566	211MGTY	84-02-22	775	21	5.1	0.18	8	0.80
		211MGTY	84-05-14	775	23	4.9	0.12	3	0.90
404402073193201	S 20635	211MGTY	83-11-15	704	32	4.8	2.6	10	1.1
		211MGTY	84-04-11	704	36	4.8	0.76	7	1.3
		211MGTY	84-08-06	704	33	5.8	0.16	12	1.5
404941072372207	S 20688	112GLCLU	84-05-29	78	93	5.9	0.14	35	6.4
405045073120401	S 20689	211MGTY	84-02-22	596	45	6.2	2.0	16	3.6
		211MGTY	84-05-14	596	53	5.9	0.21	19	3.9
405712072571401	S 20838	112GLCLU	83-10-04	149	175	5.5	0.12	48	9.1
		112GLCLU	84-06-18	149	127	5.6	1.2	35	6.9

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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
83-10-24	0.51	3.6	0.46	6.0	0.60	3.5	25	1.1	<0.010	<0.100	--	--
84-03-07	0.58	3.6	0.42	7.0	0.60	4.0	30	1.3	<0.010	<0.100	<0.5	<5
84-07-10	0.59	3.7	0.44	8.0	<0.50	3.5	27	1.5	<0.010	<0.100	--	--
84-02-22	0.26	3.0	0.50	8.0	2.9	2.5	24	<0.050	<0.010	<0.100	<0.5	<5
84-05-14	0.27	5.3	0.68	5.0	3.0	3.5	26	0.060	<0.010	<0.100	--	--
83-11-15	0.51	3.1	0.45	4.0	5.7	3.0	24	<0.050	<0.010	<0.100	--	--
84-04-11	0.54	3.9	0.45	5.0	4.0	3.5	26	<0.050	<0.010	1.29	<0.5	<5
84-08-06	0.57	3.6	0.50	7.0	1.5	3.5	21	<0.050	<0.010	0.900	--	--
84-05-29	2.6	5.3	0.88	19	10	8.0	59	1.1	<0.010	<0.100	--	--
84-02-22	1.6	3.3	0.44	18	2.6	2.5	24	<0.050	<0.010	<0.100	<0.5	<5
84-05-14	1.6	3.3	0.48	19	2.7	2.0	35	<0.050	<0.010	<0.100	--	--
83-10-04	6.0	14	1.7	10	18	17	110	7.3	<0.010	<0.100	--	--
84-06-18	4.6	7.8	1.0	11	17	11	81	3.5	<0.010	<0.100	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
83-10-24	40	<30	--	10	--	--	50	<0.020
84-03-07	60	<30	--	10	--	<2	50	<0.020
84-07-10	60	<30	<5	<10	<0.20	--	30	<0.020
84-02-22	70	230	--	<10	--	<2	20	<0.020
84-05-14	60	220	<5	10	<0.20	--	180	<0.020
83-11-15	40	620	--	10	--	--	60	<0.020
84-04-11	30	450	--	<10	--	<2	60	<0.020
84-08-06	<20	550	<5	10	<0.20	--	60	<0.020
84-05-29	<20	70	<5	80	<0.20	--	60	<0.020
84-02-22	80	--	--	<10	--	<2	<20	<0.020
84-05-14	20	60	<5	10	<0.20	--	110	<0.020
83-10-04	80	<30	--	50	--	--	60	<0.020
84-06-18	110	<30	<5	40	<0.20	--	40	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404158073212201	S 20955	211MGTY	83-11-15	630	52	4.7	0.21	8	0.80
		211MGTY	84-04-11	630	32	4.8	0.10	4	0.80
		211MGTY	84-08-06	630	29	5.0	0.11	13	1.3
405134073235702	S 21121	112GLCLU	83-11-28	601	61	6.1	0.21	21	5.0
		112GLCLU	84-04-20	601	63	6.2	0.19	--	5.5
		112GLCLU	84-08-16	601	67	6.0	0.16	25	5.7
404304073162001	S 21244	211MGTY	84-02-08	602	39	5.5	1.4	25	3.1
404357073181601	S 21366	211MGTY	83-11-13	470	160	5.6	0.14	10	2.0
		211MGTY	84-08-07	470	54	5.8	1.0	25	6.3
404220073190302	S 21375	211MGTY	83-11-14	501	29	4.9	1.4	5	0.70
		211MGTY	84-04-11	501	31	4.9	1.6	4	0.70
		211MGTY	84-08-06	501	29	5.2	1.4	15	2.1
405443073064502	S 21632	211MGTY	84-02-14	516	21	5.9	0.14	42	1.7
		211MGTY	84-06-26	516	55	5.8	0.20	10	1.7

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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
83-11-15	0.23	4.2	0.32	4.0	3.1	2.5	21	<0.050	<0.010	3.47	--	--
84-04-11	0.26	5.0	0.43	5.0	2.7	2.5	22	<0.050	<0.010	3.27	<0.5	<5
84-08-06	0.25	4.9	0.38	6.0	3.2	2.5	23	<0.050	<0.010	3.38	--	--
83-11-28	2.0	6.2	0.61	19	0.70	6.0	43	2.6	<0.010	<0.100	--	--
84-04-20	2.1	5.9	0.61	20	0.50	4.5	52	2.7	<0.010	<0.100	<0.5	<5
84-08-16	2.1	6.4	0.64	20	<0.50	6.5	54	2.6	<0.010	<0.100	--	--
84-02-08	0.70	4.6	0.70	10	3.2	3.5	26	<0.050	<0.010	0.340	<0.5	<5
83-11-13	0.64	3.3	0.35	10	1.3	3.0	21	<0.050	<0.010	1.44	--	--
84-08-07	0.70	4.6	0.50	17	2.4	4.0	29	<0.050	<0.010	2.35	--	--
83-11-14	0.49	4.0	0.42	6.0	2.5	2.5	21	<0.050	<0.010	1.75	--	--
84-04-11	0.50	3.9	0.44	6.0	2.7	3.0	24	<0.050	<0.010	0.930	<0.5	<5
84-08-06	0.53	4.4	0.43	8.0	1.4	2.0	21	<0.050	<0.010	1.17	--	--
84-02-14	0.62	3.3	0.38	10	1.0	4.0	26	<0.050	<0.010	<0.100	<0.5	<5
84-06-26	0.68	3.2	0.32	12	1.4	3.0	33	<0.050	<0.010	<0.100	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
83-11-15	40	520	--	10	--	--	30	<0.020
84-04-11	40	510	--	10	--	<2	80	<0.020
84-08-06	30	520	<5	10	<0.20	--	50	<0.020
83-11-28	30	<30	--	<10	--	--	<20	<0.020
84-04-20	110	<30	--	<10	--	<2	<20	<0.020
84-08-16	50	<30	<5	10	<0.20	--	70	<0.020
84-02-08	70	670	--	10	--	<2	30	<0.020
83-11-13	30	320	--	20	--	--	<20	<0.020
84-08-07	<20	760	<5	30	<0.20	--	60	<0.020
83-11-14	<20	350	--	10	--	--	<20	<0.020
84-04-11	<20	350	--	<10	--	<2	<20	<0.020
84-08-06	90	450	<5	10	<0.20	--	20	<0.020
84-02-14	20	<30	--	10	--	<2	<20	<0.020
84-06-26	20	<30	<5	10	<0.20	--	30	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
405159073085501	S 21945	211MGTY	83-10-25	750	50	5.9	0.42	34	3.2
		211MGTY	84-07-24	750	67	6.3	0.21	20	6.2
405259073202801	S 22048	112GLCLU	83-10-20	602	36	5.6	0.16	36	1.6
		112GLCLU	84-03-06	602	310	6.0	0.12	120	32
		112GLCLU	84-07-11	602	38	5.5	0.25	8	2.7
405127073070901	S 22171	112GLCLU	83-10-24	450	190	5.8	0.20	69	12
		112GLCLU	84-03-26	450	189	5.7	0.16	48	12
		112GLCLU	84-07-11	450	185	5.5	0.16	45	12
404054073231801	S 22351	211MGTY	84-01-08	558	33	4.9	0.15	29	1.7
		211MGTY	84-04-30	558	35	5.0	0.24	21	1.5
404955073170401	S 22362	112GLCLU	84-01-26	315	136	6.3	0.14	51	12
		112GLCLU	84-05-07	315	93	6.0	0.090	38	6.8
404357073181502	S 22389	211MGTY	83-11-14	466	42	5.8	0.83	12	2.9
		211MGTY	84-04-10	466	41	5.5	0.61	12	3.1
		211MGTY	84-08-06	466	40	5.7	2.6	20	3.1

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)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)
83-10-25	1.5	4.6	0.74	12	9.7	4.5	34	<0.050	<0.010	0.370	--	--
84-07-24	1.8	6.6	0.77	19	7.0	5.5	39	0.080	<0.010	1.52	--	--
83-10-20	0.59	4.2	0.54	7.0	0.50	3.0	28	1.7	<0.010	<0.100	--	--
84-03-06	11	13	1.9	15	70	25	212	8.9	<0.010	<0.100	<0.5	<5
84-07-11	0.68	4.0	0.47	7.0	<0.50	5.0	31	1.7	<0.010	<0.100	--	--
83-10-24	4.4	17	2.0	26	17	19	108	5.9	<0.010	0.140	--	--
84-03-26	4.4	16	1.9	20	16	19	118	5.8	<0.010	<0.100	<0.5	<5
84-07-11	4.3	15	2.1	17	21	20	122	6.1	<0.010	<0.100	--	--
84-01-08	0.76	3.2	0.43	7.0	2.8	4.5	24	<0.050	<0.010	1.56	<0.5	<5
84-04-30	0.76	2.9	0.52	4.0	6.5	2.5	26	<0.050	<0.010	<0.100	--	--
84-01-26	2.8	7.5	0.83	38	4.5	7.5	62	3.4	<0.010	<0.100	<0.5	<5
84-05-07	2.8	6.0	0.70	20	5.0	7.5	62	2.7	0.010	<0.100	--	--
83-11-14	0.82	3.7	0.43	15	1.0	2.5	22	<0.050	<0.010	1.00	--	--
84-04-10	0.84	3.6	0.46	13	2.6	2.5	30	<0.050	<0.010	0.970	<0.5	<5
84-08-06	0.86	3.7	0.56	16	1.4	3.0	23	<0.050	<0.010	0.900	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
83-10-25	20	1400	--	150	--	--	30	<0.020
84-07-24	<20	70	<5	20	<0.20	--	100	<0.020
83-10-20	70	<30	--	<10	--	--	40	<0.020
84-03-06	20	<30	--	10	--	<2	<20	<0.020
84-07-11	80	<30	<5	10	<0.20	--	30	<0.020
83-10-24	30	30	--	10	--	--	150	<0.020
84-03-26	40	<30	--	<10	--	<2	20	<0.020
84-07-11	30	<30	<5	<10	<0.50	--	40	<0.020
84-01-08	<20	390	--	<10	--	<2	170	<0.020
84-04-30	<20	380	5	10	<0.20	--	20	<0.020
84-01-26	20	70	--	<10	--	<2	30	<0.020
84-05-07	50	100	<5	<10	<0.20	--	<20	<0.020
83-11-14	<20	740	--	40	--	--	20	<0.020
84-04-10	<20	740	--	30	--	<2	20	<0.020
84-08-06	20	790	<5	40	<0.20	--	100	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404922073162901	S 22471	211MGTY	84-01-19	383	64	5.5	0.13	36	3.9
		211MGTY	84-05-03	383	72	5.2	0.15	39	3.9
		211MGTY	84-05-03	383	72	5.2	0.15	39	3.9
405155073045202	S 22547	112GLCLU	83-11-01	109	126	5.9	0.24	38	9.6
		112GLCLU	84-04-01	109	146	5.9	0.15	41	9.3
		112GLCLU	84-07-26	109	140	6.2	0.30	44	10
404705073190701	S 22548	211MGTY	83-11-15	415	26	4.7	0.16	10	1.2
		211MGTY	84-04-09	415	27	4.9	0.36	20	1.4
		211MGTY	84-08-05	415	28	4.8	0.24	11	1.2
405625073031801	S 22640	211MGTY	83-10-07	650	190	6.7	0.14	65	15
		211MGTY	84-02-15	650	165	6.5	0.17	62	13
		211MGTY	84-07-18	650	193	6.6	0.12	68	15
404458073182501	S 23046	211MGTY	84-02-08	448	27	5.0	0.22	7	1.3
		211MGTY	84-06-05	448	57	6.3	1.2	20	6.2

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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
84-01-19	1.4	6.0	0.66	10	1.3	3.5	43	3.5	0.020	<0.100	<0.5	<5
84-05-03	1.5	6.1	0.64	9.0	0.50	7.0	51	3.7	<0.010	<0.100	--	--
84-05-03	1.5	6.1	0.64	9.0	0.50	7.0	51	3.7	<0.010	<0.100	--	--
83-11-01	3.4	11	1.3	14	12	12	87	5.9	<0.010	<0.100	--	--
84-04-01	3.2	10	1.1	16	10	11	86	4.9	<0.010	<0.100	<0.5	<5
84-07-26	3.6	11	1.2	18	11	14	87	5.3	<0.010	0.180	--	--
83-11-15	0.33	2.7	0.41	4.0	1.9	2.5	22	0.72	<0.010	<0.100	--	--
84-04-09	0.35	2.7	0.41	5.0	1.3	4.0	24	0.75	<0.010	<0.100	<0.5	<5
84-08-05	0.36	2.8	0.44	5.0	1.8	4.0	24	0.79	<0.010	<0.100	--	--
83-10-07	6.0	12	1.4	37	16	17	93	2.9	<0.010	<0.100	--	--
84-02-15	5.2	11	1.1	33	18	15	107	2.9	<0.010	<0.100	<0.5	<5
84-07-18	6.1	12	1.3	38	22	16	119	3.1	<0.010	<0.100	--	--
84-02-08	0.35	2.4	0.56	1.0	2.4	3.0	20	<0.050	<0.010	0.120	<0.5	<5
84-06-05	0.83	3.1	0.36	20	2.8	3.5	38	<0.050	<0.010	0.300	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
84-01-19	120	<30	--	<10	--	<2	60	<0.020
84-05-03	160	<30	<5	<10	--	<0.2	<20	<0.020
84-05-03	160	<30	<5	<10	<0.20	--	<20	<0.020
83-11-01	100	<30	--	50	--	--	50	<0.020
84-04-01	140	<30	--	<10	--	<2	20	<0.020
84-07-26	60	<30	<5	10	<0.20	--	20	<0.020
83-11-15	190	40	--	<10	--	--	30	<0.020
84-04-09	270	90	--	<10	--	<2	30	<0.020
84-08-05	170	60	<5	<10	<0.20	--	<20	<0.020
83-10-07	<20	<30	--	<10	--	--	<20	<0.020
84-02-15	40	30	--	<10	--	<2	40	<0.020
84-07-18	30	<30	<5	<10	<0.20	--	30	<0.020
84-02-08	40	210	--	<10	--	<2	<20	<0.020
84-06-05	40	340	<5	20	<0.20	--	<20	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404921073122702	S 23183	211MGTY	84-02-13	500	54	6.0	0.23	23	4.4
		211MGTY	84-05-14	500	64	6.0	0.14	26	4.0
405124072353602	S 23184	112GLCLU	84-01-30	118	132	5.6	0.11	50	10
		112GLCLU	84-05-29	118	180	5.8	0.14	61	12
405607073072402	S 23185	211MGTY	84-01-29	543	56	6.0	0.22	16	3.8
		211MGTY	84-07-18	543	43	6.2	0.33	27	2.9
405251073142801	S 23186	211MGTY	84-01-31	491	30	5.4	0.15	25	1.3
		211MGTY	84-05-09	491	28	5.5	0.13	24	2.4
405453073030301	S 23255	211MGTY	84-02-15	486	42	6.4	0.10	23	4.2
		211MGTY	84-06-22	486	62	7.1	1.4	17	4.2
405336073202101	S 23371	112GLCLU	83-10-20	475	55	5.7	0.48	17	3.7
		112GLCLU	84-03-06	475	74	5.8	0.12	23	4.4
		112GLCLU	84-07-09	475	80	5.7	0.25	20	5.2

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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
84-02-13	1.6	4.7	0.44	14	4.5	6.5	36	0.79	<0.010	<0.100	<0.5	<5
84-05-14	1.6	4.6	0.43	15	4.2	6.5	43	0.78	<0.010	<0.100	--	--
84-01-30	4.7	6.9	1.5	8.0	27	12	90	4.0	<0.010	<0.100	<0.5	<5
84-05-29	6.6	7.6	1.4	9.0	35	13	112	4.8	<0.010	<0.100	--	--
84-01-29	1.3	4.6	0.43	15	3.7	5.5	40	--	<0.010	<0.100	<0.5	<5
84-07-18	0.84	3.3	0.37	15	2.2	3.5	32	0.14	<0.010	<0.100	--	--
84-01-31	0.40	2.9	0.38	7.0	0.60	2.0	19	0.37	0.030	<0.100	<0.5	<5
84-05-09	0.46	3.1	0.41	8.0	0.60	4.0	27	0.49	<0.010	<0.100	--	--
84-02-15	1.4	3.9	0.46	14	2.8	4.5	40	1.1	<0.010	<0.100	<0.5	<5
84-06-22	1.5	4.1	0.44	14	3.0	6.0	42	1.1	<0.010	<0.100	--	--
83-10-20	1.3	6.0	0.66	7.0	0.90	7.5	58	3.7	<0.010	<0.100	--	--
84-03-06	1.4	6.1	0.55	7.0	<0.50	7.0	50	3.9	<0.010	<0.100	<0.5	<5
84-07-09	1.7	6.4	0.70	8.0	0.90	8.5	53	4.4	<0.010	<0.100	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
84-02-13	50	<30	--	<10	--	<2	<20	<0.020
84-05-14	30	<30	<5	<10	<0.20	--	20	<0.020
84-01-30	80	90	--	120	--	<2	30	<0.020
84-05-29	140	<30	<5	100	<0.20	--	<20	<0.020
84-01-29	30	80	--	<10	--	<2	<20	<0.020
84-07-18	<20	40	<5	<10	<0.20	--	<20	<0.020
84-01-31	80	<30	--	<10	--	<2	40	<0.020
84-05-09	80	<30	<5	<10	<0.20	--	<20	<0.020
84-02-15	<20	60	--	30	--	<2	<20	<0.020
84-06-22	20	<30	<5	20	<0.20	--	<20	<0.020
83-10-20	50	<30	--	<10	--	--	20	<0.020
84-03-06	50	<30	--	<10	--	<2	20	<0.020
84-07-09	160	<30	<5	<10	<0.20	--	60	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404942072591601	S 23440	112GLCLU	84-02-01	165	106	5.7	0.16	42	10
		112GLCLU	84-05-20	165	140	6.0	0.18	34	9.9
404659073164101	S 23445	211MGTY	84-02-02	610	45	5.5	0.15	16	2.9
		211MGTY	84-06-12	610	52	5.5	0.16	11	2.6
405158073030001	S 23524	112GLCLU	83-11-02	446	48	6.0	0.16	25	3.0
		112GLCLU	84-03-18	446	64	6.3	0.14	15	4.3
		112GLCLU	84-07-22	446	54	5.9	0.18	23	3.3
405047073120601	S 23631	211MGTY	84-02-13	623	46	6.0	0.24	26	3.3
		211MGTY	84-05-09	623	52	6.0	0.54	18	3.1
404955073170402	S 23715	112GLCLU	84-01-25	340	124	5.7	0.17	60	8.7
		112GLCLU	84-05-03	340	146	5.6	0.11	44	9.4
405245072585001	S 23827	112GLCLU	83-10-31	150	126	5.9	0.26	42	7.3
		112GLCLU	84-03-28	150	142	6.0	0.15	42	9.2
		112GLCLU	84-07-30	150	146	5.6	0.21	50	8.7

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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
84-02-01	3.3	12	2.0	20	15	14	89	4.9	<0.010	<0.100	<0.5	<5
84-05-20	3.3	10	1.7	22	10	11	88	4.1	<0.010	<0.100	--	--
84-02-02	1.0	4.0	0.52	10	3.4	5.0	32	1.0	<0.010	0.100	<0.5	<5
84-06-12	1.2	4.0	0.32	8.0	3.8	5.0	35	1.0	<0.010	<0.100	--	--
83-11-02	1.2	4.3	0.45	12	1.5	5.0	31	1.1	<0.010	<0.100	--	--
84-03-18	1.5	5.1	0.58	15	1.5	6.0	44	1.6	<0.010	<0.100	<0.5	<5
84-07-22	1.3	4.5	0.47	14	1.6	5.5	33	1.3	<0.010	<0.100	--	--
84-02-13	1.6	5.0	0.47	17	4.3	4.0	29	<0.050	<0.010	2.41	<5	<5
84-05-09	1.6	5.4	0.51	18	3.7	2.5	37	<0.050	<0.010	1.97	--	--
84-01-25	3.9	10	1.0	20	9.3	10	79	5.6	<0.010	<0.100	<0.5	<5
84-05-03	4.2	10	1.0	20	9.3	12	94	5.8	<0.010	<0.100	--	--
83-10-31	3.4	12	0.96	17	10	13	83	5.5	<0.010	<0.100	--	--
84-03-28	3.6	12	1.0	20	8.7	12	82	5.3	<0.010	0.110	<0.5	<5
84-07-30	3.9	13	1.0	20	11	12	98	5.8	<0.010	0.320	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
84-02-01	40	<30	--	130	--	<2	<20	<0.020
84-05-20	30	<30	<5	90	<0.20	--	20	<0.020
84-02-02	50	<30	--	<10	--	<2	20	<0.020
84-06-12	140	<30	<5	10	<0.20	--	20	<0.020
83-11-02	<20	<30	--	<10	--	--	<20	<0.020
84-03-18	30	<30	--	<10	--	<2	20	0.020
84-07-22	<20	<30	<5	<10	<0.20	--	<20	<0.020
84-02-13	30	1000	--	<10	--	<2	20	<0.020
84-05-09	20	1100	<5	10	<0.20	--	150	<0.020
84-01-25	60	70	--	<10	--	<2	20	<0.020
84-05-03	60	100	<5	<10	<0.20	--	<20	<0.020
83-10-31	<20	<30	--	10	--	--	80	<0.020
84-03-28	40	<30	--	<10	--	<2	80	<0.020
84-07-30	<20	<30	<5	10	<0.20	--	40	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
405244072585001	S 23828	112GLCLU	83-11-01	150	165	5.6	0.10	44	9.6
		112GLCLU	84-04-03	150	216	6.5	0.11	56	13
		112GLCLU	84-08-01	150	144	5.7	0.20	53	8.9
404922073162701	S 23832	211MGTY	84-01-24	405	68	5.3	0.13	30	3.6
		211MGTY	84-05-03	405	93	5.0	0.18	39	5.4
404430073211301	S 23848	211MGTY	84-08-05	634	21	4.9	0.38	12	1.0
404806073100101	S 24047	112GLCLU	84-04-24	135	210	6.5	0.22	49	11
		112GLCLU	84-08-22	135	215	6.1	0.24	53	14
405920072170301	S 24323	112GLCLU	83-10-17	174	71	6.2	0.23	18	4.1
		112GLCLU	84-05-29	174	80	6.2	0.41	23	4.4
405248073142901	S 24545	211MGTY	84-01-31	512	59	6.4	0.10	37	6.7
		211MGTY	84-05-06	512	38	5.8	0.11	25	3.4

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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
83-11-01	4.1	15	1.5	20	12	16	103	7.3	<0.010	<0.100	--	--
84-04-03	4.4	22	1.8	43	12	16	112	6.9	<0.010	<0.100	<0.5	<5
84-08-01	3.7	13	1.0	22	11	13	99	5.5	<0.010	<0.100	--	--
84-01-24	1.4	6.5	0.71	10	<0.50	6.0	47	4.2	0.020	<0.100	<0.5	<5
84-05-03	2.0	7.5	0.81	11	<0.50	9.0	65	5.5	<0.010	<0.100	--	--
84-08-05	0.24	2.6	0.32	6.0	1.6	2.0	18	<0.050	<0.010	0.790	--	--
84-04-24	4.3	21	2.0	16	13	34	131	5.5	<0.010	<0.100	<0.5	<5
84-08-22	4.4	20	2.0	22	14	31	134	5.5	<0.010	<0.100	--	--
83-10-17	1.6	7.2	0.57	15	4.7	9.0	39	0.37	<0.010	<0.100	--	--
84-05-29	1.8	7.2	0.57	18	6.0	10	52	0.43	<0.010	<0.100	--	--
84-01-31	0.85	4.5	0.50	22	0.90	4.0	30	0.72	<0.010	--	<0.5	<5
84-05-06	0.55	3.6	0.44	11	0.80	4.5	32	0.59	<0.010	<0.100	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
83-11-01	<20	<30	--	10	--	--	100	<0.020
84-04-03	40	<30	--	<10	--	<2	20	<0.020
84-08-01	50	<30	<5	10	<0.20	--	160	<0.020
84-01-24	180	<30	--	<10	--	<2	50	<0.020
84-05-03	80	<30	<5	10	<0.20	--	<20	<0.020
84-08-05	30	710	<5	<10	<0.20	--	40	<0.020
84-04-24	620	1500	--	140	--	<2	30	<0.020
84-08-22	40	<30	<5	60	<0.20	--	<20	<0.020
83-10-17	70	<30	--	<10	--	--	20	<0.020
84-05-29	30	30	<5	<10	<0.20	--	30	<0.020
84-01-31	<20	<30	--	<10	--	<2	90	<0.020
84-05-06	80	30	<5	10	<0.20	--	50	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
405626073031701	S 24663	211MGTY	83-10-08	460	230	6.8	0.18	82	18
		211MGTY	84-03-01	460	240	6.6	0.18	91	22
		211MGTY	84-06-21	460	230	6.6	0.26	83	18
404459073182401	S 25617	211MGTY	84-02-14	441	29	5.0	0.48	13	1.8
		211MGTY	84-06-11	441	34	4.9	0.23	7	1.3
404431073211401	S 25674	211MGTY	83-11-14	625	23	4.9	0.25	16	0.90
		211MGTY	84-04-04	625	20	5.1	0.40	5	0.70
		211MGTY	84-08-05	625	20	5.1	0.31	6	1.1
405306073175201	S 25776	211MGTY	84-03-07	586	50	5.6	0.15	14	3.1
		211MGTY	84-07-11	586	175	6.0	0.19	68	18
405134073235602	S 27070	112GLCLU	83-12-05	560	57	6.1	0.19	17	4.2
		112GLCLU	84-04-21	560	72	5.8	0.18	20	5.0
		112GLCLU	84-08-16	560	65	6.2	0.30	25	4.3
405301073153202	S 27192	211MGTY	84-01-25	474	30	5.9	0.15	15	2.5
		211MGTY	84-05-06	474	24	5.5	0.18	5	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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
83-10-08	8.5	14	1.3	47	23	18	118	5.0	<0.010	<0.100	--	--
84-03-01	9.4	15	1.2	55	24	23	158	4.4	<0.010	<0.100	<0.5	<5
84-06-21	8.2	13	1.2	46	23	19	143	4.9	<0.010	<0.100	--	--
84-02-14	0.68	2.7	0.58	3.0	5.7	3.0	25	<0.050	<0.010	0.120	<0.5	<5
84-06-11	0.73	2.5	0.28	4.0	6.7	3.5	26	<0.050	<0.010	<0.100	--	--
83-11-14	0.20	3.2	0.25	4.0	2.0	2.0	19	<0.050	<0.010	1.18	--	--
84-04-04	0.19	2.7	0.27	4.0	2.1	4.0	21	<0.050	<0.010	0.380	<0.5	<5
84-08-05	0.22	2.9	0.27	6.0	1.3	2.0	18	<0.050	<0.010	0.810	--	--
84-03-07	0.78	4.2	0.50	8.0	0.80	5.0	36	1.8	<0.010	<0.100	<0.5	<5
84-07-11	5.5	8.9	0.96	15	31	13	121	5.6	<0.010	0.250	--	--
83-12-05	1.7	5.5	0.51	20	<0.50	6.0	36	1.6	<0.010	<0.100	--	--
84-04-21	1.9	5.3	0.53	20	0.70	5.5	48	1.8	0.020	<0.100	<0.5	<5
84-08-16	1.8	5.5	0.53	22	<0.50	5.0	47	1.6	<0.010	<0.100	--	--
84-01-25	0.42	2.7	0.52	10	<0.50	5.0	22	0.090	<0.010	<0.100	<0.5	<5
84-05-06	0.29	3.1	0.34	7.0	<0.50	4.5	23	0.090	<0.010	<0.100	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
83-10-08	30	<30	--	<10	--	--	<20	<0.020
84-03-01	40	30	--	<10	--	<2	30	<0.020
84-06-21	30	<30	<5	<10	<0.20	--	<20	<0.020
84-02-14	20	350	--	20	--	<2	30	<0.020
84-06-11	30	350	<5	20	<0.20	--	40	<0.020
83-11-14	30	480	--	<10	--	--	50	<0.020
84-04-04	40	640	--	10	--	<2	20	<0.020
84-08-05	40	690	<5	<10	<0.20	--	20	<0.020
84-03-07	60	<30	--	<10	--	<2	<20	<0.020
84-07-11	40	<30	<5	<10	<0.20	--	110	<0.020
83-12-05	20	<30	--	<10	--	--	<20	<0.020
84-04-21	260	<30	--	<10	--	<2	<20	<0.020
84-08-16	30	<30	<5	<10	<0.20	--	<20	<0.020
84-01-25	20	<30	--	<10	--	<2	260	<0.020
84-05-06	40	90	<5	<10	<0.20	--	<20	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404617073035401	S 27259	112GLCLU	84-04-04	190	109	5.9	0.23	25	7.5
		112GLCLU	84-08-02	190	134	5.5	0.24	30	7.1
404547073104202	S 27533	211MGTY	83-11-17	700	43	5.6	0.35	10	2.5
		211MGTY	84-04-23	700	46	5.9	0.35	15	2.9
		211MGTY	84-08-12	700	45	5.9	0.92	11	2.5
405336073074001	S 27784	211MGTY	84-02-16	264	92	6.2	0.18	26	6.5
		211MGTY	84-06-27	264	132	6.0	0.11	40	9.6
404452073033002	S 28408	211MGTY	84-04-10	335	46	6.0	2.1	13	3.3
		211MGTY	84-08-08	335	46	5.5	1.9	14	3.0
404318073201901	S 28503	211MGTY	84-01-08	676	40	5.8	0.71	19	4.8
		211MGTY	84-04-30	676	25	5.0	0.31	8	2.5
404912073033301	S 28819	112GLCLU	83-10-17	264	91	5.9	0.22	24	5.2
		112GLCLU	84-03-04	264	104	6.3	0.090	40	7.8
		112GLCLU	84-07-01	264	100	6.2	0.20	25	5.5

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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
84-04-04	2.2	9.3	1.4	17	6.0	11	72	3.3	<0.010	0.160	<0.5	<5
84-08-02	3.0	11	2.0	15	7.2	16	86	4.7	<0.010	<0.100	--	--
83-11-17	1.0	4.1	0.36	11	<0.50	6.0	27	0.58	<0.010	<0.100	--	--
84-04-23	1.1	4.3	0.39	13	1.5	6.0	36	0.59	<0.010	<0.100	<0.5	<5
84-08-12	1.1	4.2	0.38	12	1.6	5.0	33	0.51	<0.010	<0.100	--	--
84-02-16	2.6	6.5	0.64	14	5.7	8.5	64	3.6	<0.010	<0.100	<0.5	<5
84-06-27	3.7	7.9	0.77	16	7.9	11	82	4.9	<0.010	<0.100	--	--
84-04-10	1.1	3.9	0.60	16	2.5	3.5	34	<0.050	<0.010	0.100	<0.5	<5
84-08-08	1.2	3.7	2.5	12	3.2	3.5	33	<0.050	<0.010	<0.100	--	--
84-01-08	0.28	3.0	0.26	13	1.6	4.0	24	<0.050	<0.010	1.86	<0.5	<5
84-04-30	0.35	3.0	0.28	6.0	0.60	2.5	22	<0.050	<0.010	1.77	--	--
83-10-17	2.5	7.8	0.80	13	6.8	8.0	55	3.0	<0.010	<0.100	--	--
84-03-04	3.0	7.4	0.65	18	8.5	9.5	69	2.8	<0.010	<0.100	<0.5	<5
84-07-01	2.7	8.0	0.92	14	7.7	9.5	65	3.0	<0.010	<0.100	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
84-04-04	110	<30	--	30	--	<2	20	<0.020
84-08-02	150	<30	<5	30	<0.20	--	<20	<0.020
83-11-17	40	<30	--	<10	--	--	<20	<0.020
84-04-23	40	<30	--	10	--	<2	<20	<0.020
84-08-12	<20	30	<5	<10	<0.20	--	<20	<0.020
84-02-16	20	<30	--	<10	--	<2	<20	<0.020
84-06-27	30	<30	<5	<10	<0.20	--	20	<0.020
84-04-10	<20	490	--	10	--	<2	<20	<0.020
84-08-08	<20	490	<5	10	<0.20	--	30	<0.020
84-01-08	<20	90	--	<10	--	<2	70	<0.020
84-04-30	20	140	<5	<10	<0.20	--	30	<0.020
83-10-17	60	<30	--	<10	--	--	<20	<0.020
84-03-04	50	<30	--	<10	--	<2	20	<0.020
84-07-01	90	<30	<5	<10	<0.20	--	<20	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
405414072232701	S 28928	112GLCLU	84-01-31	110	290	5.6	0.21	170	45
405445073064801	S 29411	211MGTY	83-10-02	553	32	6.2	0.11	20	1.7
		211MGTY	84-02-20	553	27	5.9	0.24	14	1.8
		211MGTY	84-07-05	553	34	5.8	0.16	15	1.8
404120073221601	S 29491	211MGTY	84-01-17	499	35	5.5	0.46	17	1.4
		211MGTY	84-04-25	499	40	5.5	0.32	15	1.5
404912073033302	S 29492	112GLCLU	83-10-11	255	102	6.0	0.21	29	7.5
		112GLCLU	84-03-01	255	110	5.8	0.12	41	7.6
		112GLCLU	84-07-04	255	112	5.7	0.18	35	7.2
405336073074002	S 29732	211MGTY	84-03-06	565	31	5.8	1.4	6	1.6
		211MGTY	84-06-20	565	34	5.9	1.8	20	1.6
405652072590001	S 30088	112GLCLU	84-02-21	283	142	6.2	0.090	65	14
		112GLCLU	84-06-22	283	185	6.2	0.44	66	15

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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
84-01-31	11	10	2.2	13	110	25	252	7.5	<0.010	<0.100	<0.5	<5
83-10-02	0.69	3.2	0.40	12	1.6	4.0	22	<0.050	<0.010	<0.100	--	--
84-02-20	0.69	3.2	0.35	11	1.7	1.5	25	<0.050	<0.010	<0.100	<0.5	<5
84-07-05	0.75	3.2	0.33	13	1.5	3.5	28	<0.050	<0.010	<0.100	--	--
84-01-17	1.0	3.2	0.46	7.0	4.9	3.5	25	<0.050	<0.010	0.430	<0.5	<5
84-04-25	1.0	3.6	0.52	7.0	5.1	3.0	28	<0.050	<0.010	1.70	--	--
83-10-11	2.8	7.6	0.79	15	12	9.0	61	2.3	<0.010	<0.100	--	--
84-03-01	3.1	7.6	0.68	17	11	10	73	2.8	<0.010	<0.100	<0.5	<5
84-07-04	3.2	8.1	0.88	15	11	11	71	2.5	<0.010	<0.100	--	--
84-03-06	0.63	3.3	0.32	10	1.4	3.5	26	0.090	<0.010	<0.100	<0.5	<5
84-06-20	0.70	3.4	0.38	11	1.5	4.0	28	0.18	<0.010	<0.100	--	--
84-02-21	6.5	6.0	0.62	13	33	10	104	4.6	<0.010	<0.100	<0.5	<5
84-06-22	7.3	6.1	0.66	15	34	11	114	4.7	<0.010	<0.100	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
84-01-31	70	<30	--	<10	--	<2	<20	<0.020
83-10-02	30	40	--	10	--	--	130	<0.020
84-02-20	<20	<30	--	10	--	<2	<20	<0.020
84-07-05	20	<30	<5	20	<0.20	--	80	<0.020
84-01-17	<20	350	--	<10	--	<2	20	<0.020
84-04-25	<20	240	<5	10	<0.20	--	<20	<0.020
83-10-11	20	<30	--	<10	--	--	120	<0.020
84-03-01	140	<30	--	<10	--	<2	20	<0.020
84-07-04	30	<30	<5	<10	<0.20	--	20	<0.020
84-03-06	30	40	--	<10	--	<2	30	<0.020
84-06-20	40	50	<5	10	<0.20	--	<20	<0.020
84-02-21	70	<30	--	<10	--	<2	20	<0.020
84-06-22	20	<30	<5	10	<0.20	--	20	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404914073095601	S 30117	112GLCLU	83-10-25	183	94	5.8	0.15	34	7.1
		112GLCLU	84-03-18	183	125	5.8	0.11	44	10
		112GLCLU	84-07-16	183	123	6.0	0.14	40	9.3
404914073095602	S 30118	112GLCLU	83-10-31	192	85	6.3	0.15	38	7.1
		112GLCLU	84-03-20	192	105	6.0	0.10	35	9.0
		112GLCLU	84-07-15	192	110	6.0	0.14	37	8.5
410321071564501	S 30207	112GLCLU	83-10-16	177	136	6.3	0.13	30	5.8
		112GLCLU	84-02-25	177	94	6.6	0.14	24	5.4
		112GLCLU	84-06-25	177	122	6.3	0.16	30	5.8
410327071565201	S 30208	112GLCLU	83-10-16	175	134	6.3	0.20	33	5.6
		112GLCLU	84-02-25	175	89	6.1	0.14	38	8.2
		112GLCLU	84-06-25	175	205	6.3	0.10	53	8.2
405900072063801	S 30227	112GLCLU	83-10-15	151	100	6.5	0.18	39	3.1
		112GLCLU	84-02-28	151	98	6.3	0.15	19	3.7
		112GLCLU	84-06-25	151	114	6.2	0.16	33	3.9

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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
83-10-25	2.9	7.2	0.75	20	9.9	11	56	1.4	<0.010	<0.100	--	--
84-03-18	3.7	8.0	0.87	24	10	13	79	1.7	<0.010	<0.100	<0.5	<5
84-07-16	3.7	8.5	0.79	25	12	12	66	1.8	<0.010	<0.100	--	--
83-10-31	2.9	6.0	0.61	24	4.2	9.0	51	2.3	<0.010	<0.100	--	--
84-03-20	3.4	6.8	0.69	25	5.4	10	71	2.6	<0.010	<0.100	<0.5	<5
84-07-15	3.5	6.9	0.64	25	6.1	9.5	57	2.5	<0.010	<0.100	--	--
83-10-16	3.2	15	1.0	20	7.3	24	70	0.75	<0.010	<0.100	--	--
84-02-25	2.7	13	1.0	21	6.4	17	60	0.72	<0.010	<0.100	<0.5	<5
84-06-25	2.8	13	1.0	21	7.5	18	74	0.83	<0.010	<0.100	--	--
83-10-16	3.5	15	1.0	20	7.4	23	70	0.64	<0.010	<0.100	--	--
84-02-25	4.0	16	1.1	21	8.2	28	80	0.60	<0.010	<0.100	<0.5	<5
84-06-25	4.9	21	1.1	22	8.4	42	112	0.65	<0.010	<0.100	--	--
83-10-15	2.1	12	0.78	14	6.8	17	53	0.070	<0.010	1.50	--	--
84-02-28	2.4	12	0.69	14	7.2	19	56	0.060	<0.010	<0.100	<0.5	<5
84-06-25	2.4	13	0.89	14	7.1	20	66	0.090	<0.010	<0.100	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
83-10-25	40	60	--	30	--	--	350	<0.020
84-03-18	70	<30	--	10	--	<2	60	<0.020
84-07-16	60	<30	<5	10	<0.20	--	<20	<0.020
83-10-31	30	<30	--	<10	--	--	30	<0.020
84-03-20	40	<30	--	<10	--	<2	<20	<0.020
84-07-15	30	<30	<5	10	<0.20	--	20	<0.020
83-10-16	20	<30	--	<10	--	--	50	<0.020
84-02-25	40	<30	--	<10	--	<2	20	<0.020
84-06-25	30	<30	<5	<10	<0.20	--	60	<0.020
83-10-16	<20	<30	--	<10	--	--	60	<0.020
84-02-25	<20	<30	--	<10	--	<2	110	<0.020
84-06-25	20	<30	<5	<10	<0.20	--	30	<0.020
83-10-15	20	70	--	30	--	--	360	<0.020
84-02-28	30	<30	--	<10	--	<2	20	<0.020
84-06-25	20	40	<5	<10	<0.20	--	40	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
405854072063801	S 30228	112GLCLU	83-10-16	152	104	6.3	0.21	32	3.4
		112GLCLU	84-02-25	152	98	6.5	0.16	19	3.8
		112GLCLU	84-06-25	152	112	6.3	0.11	20	3.7
404754073132601	S 30234	112GLCLU	83-11-17	190	140	5.5	0.16	42	9.1
		112GLCLU	84-04-22	190	163	6.1	0.22	43	9.7
		112GLCLU	84-08-28	190	165	5.5	0.12	45	9.8
404515073225501	S 30506	211MGTY	83-11-13	621	13	5.4	0.11	6	0.80
		211MGTY	84-04-17	621	19	5.5	0.36	5	0.80
		211MGTY	84-08-06	621	19	5.7	0.26	10	0.90
405336073202301	S 30762	211MGTY	83-10-22	479	94	5.8	0.47	32	7.0
		211MGTY	84-03-07	479	126	5.5	0.14	38	9.4
		211MGTY	84-07-09	479	126	6.8	0.41	39	9.9
405411072232901	S 31037	211MGTY	84-01-31	1215	215	5.9	1.1	84	11
		211MGTY	84-05-28	1215	200	5.9	0.42	42	10

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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
83-10-16	2.2	12	0.80	16	6.5	18	54	0.070	<0.010	<0.100	--	--
84-02-25	2.3	12	0.63	16	7.0	19	56	<0.050	<0.010	<0.100	<0.5	<5
84-06-25	2.4	13	0.70	16	7.4	20	66	<0.050	<0.010	<0.100	--	--
83-11-17	4.1	12	1.1	18	10	16	90	5.6	<0.010	<0.100	--	--
84-04-22	4.5	13	1.3	19	11	17	104	5.8	<0.010	<0.100	<0.5	<5
84-08-28	4.5	13	1.3	19	12	17	105	5.7	<0.010	<0.100	--	--
83-11-13	0.26	2.2	0.24	7.0	<0.50	1.5	15	0.060	<0.010	<0.100	--	--
84-04-17	0.25	2.2	0.37	7.0	<0.50	2.0	19	<0.050	<0.010	<0.100	<0.5	<5
84-08-06	0.26	2.3	0.24	9.0	<0.50	3.0	17	<0.050	<0.010	<0.100	--	--
83-10-22	2.5	7.7	0.95	8.0	6.8	11	72	5.8	<0.010	<0.100	--	--
84-03-07	3.0	7.3	0.77	9.0	8.0	11	80	5.9	<0.010	<0.100	<0.5	<5
84-07-09	3.3	7.8	0.97	10	9.9	11	81	6.1	<0.010	<0.100	--	--
84-01-31	4.6	22	0.83	15	9.7	55	123	0.71	<0.010	<0.100	<0.5	<5
84-05-28	4.2	19	0.69	14	8.8	44	109	0.69	<0.010	<0.100	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
83-10-16	20	<30	--	<10	--	--	20	<0.020
84-02-25	40	<30	--	<10	--	<2	20	<0.020
84-06-25	20	30	<5	<10	<0.20	--	60	<0.020
83-11-17	70	<30	--	20	--	--	10	<0.020
84-04-22	90	<30	--	30	--	<2	50	<0.020
84-08-28	60	<30	<5	20	<0.20	--	30	<0.020
83-11-13	20	<30	--	<10	--	--	20	<0.020
84-04-17	30	<30	--	10	--	<2	50	<0.020
84-08-06	<20	<30	<5	<10	<0.20	--	<20	<0.020
83-10-22	60	<30	--	<10	--	--	50	<0.020
84-03-07	90	<30	--	<10	--	<2	20	<0.020
84-07-09	50	<30	<5	10	<0.20	--	60	<0.020
84-01-31	<20	400	--	30	--	<2	40	<0.020
84-05-28	<20	320	<5	20	<0.20	--	110	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404155073212205	S 31038	211MGTY	83-11-15	528	30	4.9	0.96	8	0.90
		211MGTY	84-04-15	528	28	5.0	0.13	12	0.80
		211MGTY	84-08-05	528	28	5.2	0.11	9	0.90
405253073263401	S 31039	112GLCLU	83-11-30	790	56	6.0	0.14	17	3.6
		112GLCLU	84-04-21	790	69	6.6	0.16	18	4.3
		112GLCLU	84-08-20	790	65	6.2	0.26	26	4.0
404703073164401	S 31104	211MGTY	84-02-02	658	61	5.8	0.15	22	5.4
		211MGTY	84-06-11	658	--	5.3	0.27	15	4.9
404754073132602	S 31624	211MGTY	83-11-22	439	49	6.1	0.34	12	3.2
		211MGTY	84-04-18	439	51	5.8	0.25	13	3.5
		211MGTY	84-08-27	439	52	5.9	0.27	15	4.5
405838072114201	S 31653	211MGTY	83-10-12	466	220	6.0	0.47	45	9.6
		211MGTY	84-02-27	466	175	6.1	0.41	40	9.9
		211MGTY	84-06-26	466	250	5.8	0.44	56	10

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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
83-11-15	0.55	2.6	0.41	4.0	2.6	2.0	19	<0.050	<0.010	0.620	--	--
84-04-15	0.53	3.1	0.38	6.0	1.1	2.0	18	<0.050	<0.010	1.15	<0.5	<5
84-08-05	0.56	3.2	0.41	6.0	1.6	2.0	19	<0.050	<0.010	1.11	--	--
83-11-30	1.6	4.9	0.63	15	<0.50	5.5	36	2.0	<0.010	<0.100	--	--
84-04-21	1.8	5.0	0.68	14	0.80	9.5	45	1.1	0.050	<0.100	<0.5	<5
84-08-20	1.8	5.4	0.71	17	0.90	4.5	47	2.3	<0.010	<0.100	--	--
84-02-02	1.2	4.2	0.50	14	5.4	5.0	36	0.93	<0.010	0.110	<0.5	<5
84-06-11	1.7	5.4	0.40	9.0	0.90	9.0	47	2.2	<0.010	<0.100	--	--
83-11-22	1.0	4.5	0.36	12	1.4	4.5	32	1.5	<0.010	<0.100	--	--
84-04-18	1.2	4.7	0.40	12	0.80	5.0	40	1.7	<0.010	<0.100	<0.5	<5
84-08-27	1.2	4.8	0.48	13	0.80	5.5	41	1.6	<0.010	<0.100	--	--
83-10-12	4.7	27	0.77	11	8.9	61	124	<0.050	<0.010	1.98	--	--
84-02-27	4.2	23	0.68	12	7.9	52	109	<0.050	<0.010	0.290	<0.5	<5
84-06-26	5.0	29	0.73	12	8.9	65	130	<0.050	<0.010	0.190	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
83-11-15	<20	530	--	10	--	--	20	<0.020
84-04-15	20	430	--	10	--	<2	<20	<0.020
84-08-05	<20	400	<5	20	<0.20	--	50	<0.020
83-11-30	50	<30	--	<10	--	--	<20	<0.020
84-04-21	40	<30	--	<10	--	<2	<20	<0.020
84-08-20	40	<30	<5	<10	<0.20	--	50	<0.020
84-02-02	90	<30	--	<10	--	<2	<20	<0.020
84-06-11	260	<30	<5	10	<0.20	--	80	<0.020
83-11-22	70	<30	--	<10	--	--	<20	<0.020
84-04-18	50	<30	--	<10	--	<2	<20	<0.020
84-08-27	20	<30	<5	<10	<0.20	--	30	<0.020
83-10-12	30	750	--	50	--	--	50	<0.020
84-02-27	40	720	--	40	--	<2	20	<0.020
84-06-26	130	760	<5	80	<0.20	--	880	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404616073035701	S 31913	112GLCLU	83-11-06	163	112	5.8	0.17	31	7.1
		112GLCLU	84-04-03	163	144	5.7	0.15	41	10
		112GLCLU	84-08-09	163	155	5.7	0.14	35	9.0
405512073010501	S 32180	211MGTY	83-10-02	341	136	6.1	0.32	52	11
		211MGTY	84-02-21	341	120	6.2	0.15	51	12
		211MGTY	84-06-17	341	114	6.0	0.25	30	8.1
405113073105901	S 32287	211MGTY	84-01-25	290	130	6.6	0.22	45	12
		211MGTY	84-06-12	290	153	6.5	0.11	60	11
405354073021201	S 32325	112GLCLU	84-02-22	354	61	7.3	0.12	26	7.2
		112GLCLU	84-06-19	354	72	6.8	0.31	25	6.5
405351073021201	S 32326	112GLCLU	84-02-15	160	81	5.8	0.16	22	4.6
		112GLCLU	84-06-18	160	101	5.5	0.21	24	4.1
404046073252101	S 32501	211MGTY	84-01-22	632	23	4.3	2.0	2	0.50
		211MGTY	84-04-30	632	25	4.5	0.19	11	0.50

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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
83-11-06	2.7	12	1.5	13	11	18	76	2.7	<0.010	<0.100	--	--
84-04-03	3.0	11	1.5	16	11	18	89	3.3	<0.010	0.130	<0.5	<5
84-08-09	3.1	13	1.5	15	13	21	95	3.3	<0.010	<0.100	--	--
83-10-02	3.3	8.9	0.94	23	15	14	74	2.2	<0.010	<0.100	--	--
84-02-21	3.4	9.1	0.77	28	8.5	12	91	4.3	<0.010	<0.100	<0.5	<5
84-06-17	2.7	8.1	0.67	20	5.4	10	71	3.3	<0.010	<0.100	--	--
84-01-25	4.8	8.4	1.0	36	8.5	11	65	1.6	<0.010	0.130	<0.5	<5
84-06-12	5.2	8.5	1.2	41	9.6	11	89	1.6	<0.010	<0.100	--	--
84-02-22	2.1	4.1	0.50	28	3.6	3.5	32	0.070	<0.010	0.200	<0.5	<5
84-06-19	2.2	4.0	0.50	28	3.8	2.5	46	0.15	<0.010	0.200	--	--
84-02-15	2.6	7.8	0.94	10	9.6	10	56	2.3	<0.010	<0.100	<0.5	<5
84-06-18	2.9	8.3	0.98	11	9.2	11	64	2.7	<0.010	<0.100	--	--
84-01-22	0.22	2.2	0.33	4.0	1.8	4.0	19	<0.050	<0.010	<0.100	<0.5	<5
84-04-30	0.22	3.5	0.35	3.0	2.2	2.5	20	<0.050	<0.010	1.60	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
83-11-06	20	<30	--	210	--	--	60	<0.020
84-04-03	120	<30	--	310	--	<2	<20	<0.020
84-08-09	130	<30	<5	180	<0.20	--	20	<0.020
83-10-02	90	<30	--	<10	--	--	40	<0.020
84-02-21	140	60	--	20	--	<2	30	<0.020
84-06-17	120	<30	<5	10	<0.20	--	20	<0.020
84-01-25	30	<30	--	<10	--	<2	50	<0.020
84-06-12	30	<30	<5	<10	<0.20	--	50	<0.020
84-02-22	50	<30	--	<10	--	<2	40	<0.020
84-06-19	70	<30	<5	10	<0.20	--	40	<0.020
84-02-15	50	<30	--	10	--	<2	50	<0.020
84-06-18	70	<30	<5	10	<0.20	--	<20	<0.020
84-01-22	<20	410	--	<10	--	<2	60	<0.020
84-04-30	<20	310	<5	<10	<0.20	--	<20	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
405030073032101	S 32551	112GLCLU	84-02-29	245	250	6.1	0.21	95	16
		112GLCLU	84-07-01	245	246	6.3	0.22	70	15
405030073032102	S 32552	112GLCLU	83-10-11	245	225	6.2	0.27	63	15
		112GLCLU	84-07-08	245	250	5.6	0.15	71	14
404317073201801	S 33005	211MGTY	84-01-25	681	30	5.3	0.26	30	2.1
		211MGTY	84-04-30	681	31	5.1	0.28	5	1.4
405132073155901	S 33006	211MGTY	84-01-25	504	66	6.5	0.12	35	5.6
404808073100101	S 33308	112GLCLU	83-11-30	132	160	5.9	0.24	40	9.3
		112GLCLU	84-04-17	132	205	6.0	0.14	44	12
		112GLCLU	84-08-27	132	185	5.8	0.26	42	10
405336073073601	S 33500	211MGTY	84-02-22	551	30	6.0	0.20	5	1.5
		211MGTY	84-06-28	551	89	6.0	0.19	23	4.7
405415073204801	S 33820	211MGTY	84-03-11	408	207	6.6	0.13	76	19
		211MGTY	84-07-10	408	215	6.8	0.18	78	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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
84-02-29	6.6	19	1.5	27	14	46	144	2.7	<0.010	<0.100	<0.5	<5
84-07-01	6.6	19	1.4	29	14	45	142	2.7	<0.010	<0.100	--	--
83-10-11	6.2	20	1.3	28	13	40	125	3.8	<0.010	<0.100	--	--
84-07-08	6.3	22	1.2	34	14	40	147	3.9	<0.010	<0.100	--	--
84-01-25	0.34	4.1	0.27	8.0	1.5	3.5	22	<0.050	<0.010	3.03	<0.5	<5
84-04-30	0.38	4.5	0.23	6.0	0.80	2.5	22	<0.050	<0.010	3.05	--	--
84-01-25	1.6	5.8	0.63	28	2.3	4.0	35	0.96	<0.010	--	<0.5	<5
83-11-30	3.6	16	1.6	16	10	29	99	4.1	<0.010	<0.100	--	--
84-04-17	4.3	21	2.0	17	12	34	128	5.0	<0.010	<0.100	<0.5	<5
84-08-27	3.7	18	1.8	20	13	28	116	4.1	<0.010	<0.100	--	--
84-02-22	0.63	3.2	0.37	10	0.80	3.5	25	0.080	<0.010	<0.100	<0.5	<5
84-06-28	1.9	5.1	0.50	13	4.5	7.5	42	0.080	<0.010	<0.100	--	--
84-03-11	7.1	10	1.4	54	14	16	126	3.6	<0.010	0.160	<0.5	<5
84-07-10	7.5	10	1.5	54	14	17	129	3.6	<0.010	0.120	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
84-02-29	<20	<30	--	10	--	<2	<20	<0.020
84-07-01	100	60	<5	<10	<0.20	--	20	<0.020
83-10-11	<20	<30	--	10	--	--	20	<0.020
84-07-08	<20	<30	<5	<10	<0.20	--	<20	<0.020
84-01-25	30	150	--	<10	--	<2	20	<0.020
84-04-30	30	50	<5	<10	<0.20	--	<20	<0.020
84-01-25	<20	<30	--	<10	--	<2	60	<0.020
83-11-30	70	<30	--	80	--	--	<20	<0.020
84-04-17	70	<30	--	100	--	<2	80	<0.020
84-08-27	50	<30	<5	90	<0.20	--	<20	<0.020
84-02-22	40	<30	--	<10	--	<2	20	<0.020
84-06-28	30	<30	<5	10	<0.20	--	70	<0.020
84-03-11	20	<30	--	10	--	<2	<20	<0.020
84-07-10	50	<30	<5	<10	<0.20	--	40	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
405257073202902	S 33970	112QLCLU	83-10-20	608	36	5.7	0.15	28	2.1
		112QLCLU	84-03-06	608	187	6.1	0.10	61	16
		112QLCLU	84-07-12	608	45	5.5	0.22	11	3.2
405512073010502	S 34007	211MGTY	84-02-15	345	47	6.4	0.14	31	6.7
		211MGTY	84-06-18	345	60	6.0	0.21	15	5.5
404536073210801	S 34030	211MGTY	83-11-15	538	20	4.9	0.44	4	1.0
		211MGTY	84-04-10	538	30	4.8	0.15	6	0.90
		211MGTY	84-08-05	538	28	5.1	0.31	3	1.6
404534073210801	S 34031	211MGTY	83-11-15	515	22	4.7	0.93	3	0.60
		211MGTY	84-04-11	515	23	4.7	0.31	2	0.80
		211MGTY	84-08-06	515	25	5.5	0.65	15	1.1
405615073051501	S 34300	211MGTY	84-02-28	450	45	6.1	0.21	14	3.3
		211MGTY	84-06-14	450	55	6.1	0.12	23	3.6

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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
83-10-20	0.59	4.0	0.53	6.0	<0.50	2.5	27	1.6	<0.010	<0.100	--	--
84-03-06	5.5	9.2	0.88	15	26	12	115	5.7	<0.010	<0.100	<0.5	<5
84-07-12	0.80	4.1	0.50	10	<0.50	4.5	32	2.0	<0.010	<0.100	--	--
84-02-15	1.7	5.4	0.47	21	4.1	7.5	54	1.4	<0.010	<0.100	<0.5	<5
84-06-18	1.3	4.7	0.46	15	2.9	5.5	43	1.0	<0.010	<0.100	--	--
83-11-15	0.24	3.0	0.33	4.0	0.60	3.0	20	0.39	<0.010	<0.100	--	--
84-04-10	0.24	3.2	0.42	3.0	1.1	3.5	21	0.32	<0.010	<0.100	<0.5	<5
84-08-05	0.27	3.3	0.45	5.0	0.80	4.0	22	0.40	<0.010	<0.100	--	--
83-11-15	0.18	3.0	0.32	4.0	1.4	2.0	18	<0.050	<0.010	<0.100	--	--
84-04-11	0.19	3.3	0.40	4.0	1.5	3.5	20	0.080	<0.010	<0.100	<0.5	<5
84-08-06	0.20	3.2	0.35	8.0	1.7	3.0	20	0.080	<0.010	<0.100	--	--
84-02-28	1.1	4.6	0.50	18	0.90	4.5	37	0.38	<0.010	<0.100	<0.5	<5
84-06-14	1.2	4.8	0.50	18	1.6	5.0	39	0.50	<0.010	<0.100	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
83-10-20	80	<30	--	<10	--	--	80	<0.020
84-03-06	40	<30	--	<10	--	<2	<20	<0.020
84-07-12	70	<30	<5	10	<0.20	--	20	<0.020
84-02-15	90	50	--	20	--	<2	20	<0.020
84-06-18	50	<30	<5	20	<0.20	--	50	<0.020
83-11-15	90	<30	--	<10	--	--	20	<0.020
84-04-10	60	30	--	<10	--	<2	<20	<0.020
84-08-05	50	<30	<5	10	<0.20	--	30	<0.020
83-11-15	50	50	--	<10	--	--	20	<0.020
84-04-11	40	90	--	<10	--	<2	30	<0.020
84-08-06	50	80	<5	10	<0.20	--	<20	<0.020
84-02-28	30	40	--	<10	--	<2	<20	<0.020
84-06-14	50	<30	<5	10	<0.20	--	<20	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
405613073051501	S 34301	211MGTY	83-10-11	535	53	6.6	0.14	20	5.7
		211MGTY	84-02-29	535	70	5.8	0.12	8	1.4
		211MGTY	84-06-13	535	30	6.2	0.18	14	1.3
405246073142801	S 34460	211MGTY	84-01-24	599	26	5.7	0.070	31	1.8
		211MGTY	84-05-07	599	28	5.5	0.12	8	1.6
404203073242202	S 34595	211MGTY	84-02-18	482	35	4.3	0.15	5	1.1
		211MGTY	84-04-30	482	35	4.7	0.19	6	1.3
404512073112201	S 35033	211MGTY	83-11-29	317	64	5.8	0.83	20	3.8
		211MGTY	84-04-15	317	68	5.9	0.30	23	4.9
		211MGTY	84-08-20	317	68	5.9	0.44	18	4.5
405336073073602	S 35446	211MGTY	84-02-14	345	50	6.0	0.15	12	3.9
		211MGTY	84-07-05	345	65	6.0	0.16	30	4.2
405155073045201	S 35494	112GLCLU	83-11-02	429	58	6.5	0.19	22	6.5
		112GLCLU	84-03-26	429	70	6.7	0.21	26	5.8
		112GLCLU	84-07-31	429	66	6.6	0.21	26	5.5

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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
83-10-11	1.0	3.9	0.45	20	2.0	6.0	30	0.17	<0.010	<0.100	--	--
84-02-29	0.60	3.1	0.31	9.0	0.90	4.0	25	<0.050	<0.010	<0.100	<0.5	<5
84-06-13	0.65	3.2	0.35	11	1.0	4.0	26	<0.050	<0.010	<0.100	--	--
84-01-24	0.51	2.9	0.66	8.0	1.1	2.0	19	0.19	<0.010	<0.100	<0.5	<5
84-05-07	0.55	3.0	0.43	9.0	0.70	4.0	26	0.17	<0.010	<0.100	--	--
84-02-18	0.45	3.5	0.40	1.0	3.7	4.0	23	<0.050	<0.010	0.670	<0.5	<5
84-04-30	0.48	4.4	0.40	3.0	3.1	4.0	25	<0.050	<0.010	2.77	--	--
83-11-29	1.6	6.4	0.54	16	2.2	7.5	35	0.59	<0.010	<0.100	--	--
84-04-15	1.6	5.9	0.58	16	6.8	8.0	49	0.44	<0.010	<0.100	<0.5	<5
84-08-20	1.6	6.8	0.75	17	2.9	7.5	46	0.53	<0.010	<0.100	--	--
84-02-14	1.2	4.3	0.42	12	1.2	6.0	40	1.4	<0.010	<0.100	<0.5	<5
84-07-05	1.5	4.6	0.46	14	3.3	6.0	46	1.8	<0.010	<0.100	--	--
83-11-02	1.9	4.6	0.53	26	3.0	2.5	30	0.17	<0.010	<0.100	--	--
84-03-26	1.9	4.7	0.51	26	2.7	3.5	45	0.19	<0.010	<0.100	<0.5	<5
84-07-31	2.0	4.7	0.49	27	3.1	3.0	34	0.10	<0.010	0.370	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
83-10-11	20	40	--	10	--	--	110	<0.020
84-02-29	70	40	--	<10	--	<2	100	<0.020
84-06-13	50	<30	<5	10	<0.20	--	30	<0.020
84-01-24	30	<30	--	<10	--	<2	80	<0.020
84-05-07	90	<30	<5	<10	<0.20	--	<20	<0.020
84-02-18	70	330	--	<10	--	<2	20	<0.020
84-04-30	110	360	<5	<10	<0.20	--	<20	<0.020
83-11-29	50	40	--	<10	--	--	<20	<0.020
84-04-15	20	<30	--	<10	--	<2	<20	<0.020
84-08-20	90	60	<5	10	<0.20	--	120	<0.020
84-02-14	70	30	--	<10	--	<2	<20	<0.020
84-07-05	30	<30	<5	<10	<0.20	--	<20	<0.020
83-11-02	160	<30	--	10	--	--	110	<0.020
84-03-26	70	<30	--	<10	--	<2	<20	<0.020
84-07-31	<20	<30	<5	<10	<0.20	--	<20	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
405140073190801	S 35939	211MGTY	84-01-21	533	102	5.5	0.14	38	8.2
		211MGTY	84-05-13	533	122	5.8	0.11	35	9.0
405445073063801	S 36166	211MGTY	84-02-08	433	33	5.9	0.22	13	2.0
		211MGTY	84-06-21	433	37	5.9	0.20	11	2.3
405409073061401	S 36459	211MGTY	84-02-29	523	58	6.0	0.10	15	3.8
		211MGTY	84-07-03	523	62	6.1	0.16	17	3.6
404627073070901	S 36460	211MGTY	83-10-03	611	44	5.8	0.48	13	2.5
		211MGTY	84-06-11	611	36	5.4	0.62	6	1.7
405335072562901	S 36711	112GLCLU	83-11-07	143	83	6.6	0.10	31	7.7
		112GLCLU	84-04-02	143	105	6.5	0.10	44	9.8
		112GLCLU	84-07-31	143	110	6.7	0.15	55	10
404458073182502	S 36714	211MGTY	84-02-15	308	41	5.9	1.3	20	2.8
		211MGTY	84-06-18	308	37	6.0	0.79	14	2.8

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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
84-01-21	2.9	7.0	1.0	7.0	10	8.0	70	4.8	0.030	<0.100	<0.5	<5
84-05-13	3.3	7.3	1.0	9.0	12	11	83	5.2	<0.010	<0.100	--	--
84-02-08	0.79	3.6	0.43	12	1.1	3.0	28	0.24	<0.010	<0.100	<0.5	<5
84-06-21	0.79	3.6	0.37	13	0.70	4.0	30	0.18	<0.010	<0.100	--	--
84-02-29	1.4	5.7	0.61	16	1.3	6.0	44	1.3	<0.010	<0.100	<0.5	<5
84-07-03	1.4	5.5	0.49	17	1.5	6.0	43	1.2	<0.010	<0.100	--	--
83-10-03	0.99	3.4	0.40	9.0	8.2	5.5	32	0.090	0.010	<0.100	--	--
84-06-11	0.79	2.8	0.28	6.0	5.7	3.0	27	<0.050	<0.010	<0.100	--	--
83-11-07	2.4	5.3	0.56	25	6.6	5.5	41	0.63	<0.010	0.100	--	--
84-04-02	2.9	5.9	0.70	28	9.1	8.0	65	0.59	<0.010	<0.100	<0.5	<5
84-07-31	2.8	6.0	0.73	34	10	7.0	52	0.74	<0.010	0.240	--	--
84-02-15	0.97	3.7	0.51	17	0.80	3.5	22	<0.050	<0.010	--	<0.5	<5
84-06-18	0.81	2.8	0.36	13	2.0	3.0	29	<0.050	<0.010	<0.100	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
84-01-21	80	<30	--	10	--	<2	70	<0.020
84-05-13	40	110	<5	<10	<0.20	--	<20	<0.020
84-02-08	60	<30	--	20	--	<2	30	<0.020
84-06-21	20	<30	<5	20	<0.20	--	130	<0.020
84-02-29	40	50	--	30	--	<2	370	<0.020
84-07-03	30	<30	<5	<10	<0.20	--	<20	<0.020
83-10-03	50	360	--	10	--	--	--	<0.020
84-06-11	70	200	<5	10	<0.20	--	<20	<0.020
83-11-07	<20	<30	--	<10	--	--	60	<0.020
84-04-02	<20	<30	--	<10	--	<2	<20	<0.020
84-07-31	20	<30	<5	<10	<0.20	--	60	<0.020
84-02-15	<20	<30	--	<10	--	<2	<20	<0.020
84-06-18	<20	60	<5	20	<0.20	--	<20	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404219073190401	S 36748	211MGTY	84-04-09	336	42	4.9	0.26	7	1.3
		211MGTY	84-08-07	336	31	4.7	0.10	10	2.0
405014073161401	S 36791	211MGTY	84-02-08	674	51	6.3	0.10	17	4.3
		211MGTY	84-05-20	674	58	6.3	0.21	17	4.6
405321073232401	S 36869	211MGTY	83-11-27	353	94	6.2	0.24	32	7.5
		211MGTY	84-04-19	353	108	6.5	0.12	35	8.0
		211MGTY	84-08-17	353	104	6.3	0.15	36	7.8
404923073162801	S 36976	211MGTY	84-05-10	418	52	5.8	0.20	22	5.0
404510073112301	S 37140	112GLCLU	83-11-19	330	38	5.7	0.36	11	2.1
		112GLCLU	84-04-17	330	44	5.8	4.8	15	2.4
		112GLCLU	84-08-12	330	41	6.0	0.26	10	2.1
404753073132401	S 37141	211MGTY	83-11-18	428	29	5.8	0.26	8	2.0
		211MGTY	84-04-17	428	30	5.8	0.25	8	2.1
		211MGTY	84-08-12	428	52	6.1	0.20	14	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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
84-04-09	0.98	4.6	0.54	6.0	4.1	4.0	28	<0.050	<0.010	0.710	<0.5	<5
84-08-07	0.64	3.9	0.47	8.0	0.80	3.0	21	<0.050	<0.010	1.08	--	--
84-02-08	1.6	4.0	0.47	18	1.3	4.0	29	0.72	<0.010	<0.100	<0.5	<5
84-05-20	1.7	4.0	0.56	18	1.2	4.0	39	0.75	<0.010	<0.100	--	--
83-11-27	2.9	6.3	0.69	18	6.1	8.0	56	3.6	<0.010	<0.100	--	--
84-04-19	2.7	5.9	0.69	23	5.0	7.5	68	3.2	<0.010	<0.100	<0.5	<5
84-08-17	3.2	6.6	0.73	21	6.7	7.0	70	3.6	<0.010	<0.100	--	--
84-05-10	1.0	4.8	0.53	10	<0.50	6.5	43	2.2	<0.010	<0.100	--	--
83-11-19	0.84	4.0	0.44	11	<0.50	4.5	24	0.45	<0.010	<0.100	--	--
84-04-17	0.89	3.9	0.43	12	1.5	5.0	32	0.46	<0.010	<0.100	<0.5	<5
84-08-12	0.88	4.2	0.44	11	1.5	5.0	32	0.45	<0.010	<0.100	--	--
83-11-18	0.61	3.3	0.34	10	1.3	2.5	20	<0.050	<0.010	<0.100	--	--
84-04-17	0.68	3.3	0.33	11	0.70	3.5	26	<0.050	<0.010	<0.100	<0.5	<5
84-08-12	1.1	4.8	0.42	13	0.60	6.0	40	1.5	<0.010	<0.100	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
84-04-09	<20	530	--	20	--	<2	<20	<0.020
84-08-07	<20	350	<5	<10	<0.20	--	40	<0.020
84-02-08	<20	<30	--	<10	--	<2	20	<0.020
84-05-20	<20	<30	<5	<10	<0.20	--	30	<0.020
83-11-27	<20	<30	--	<10	--	--	<20	<0.020
84-04-19	430	<30	--	<10	--	<2	20	<0.020
84-08-17	<20	<30	<5	<10	<0.20	--	<20	<0.020
84-05-10	60	<30	<5	<10	<0.20	--	40	<0.020
83-11-19	<20	100	--	<10	--	--	20	<0.020
84-04-17	20	50	--	<10	--	<2	<20	<0.020
84-08-12	20	110	<5	<10	<0.20	--	<20	<0.020
83-11-18	20	<30	--	<10	--	--	<20	<0.020
84-04-17	20	<30	--	<10	--	<2	<20	<0.020
84-08-12	60	60	<5	<10	<0.20	--	<20	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
405200073085801	S 37174	211MGTY	83-10-31	309	90	7.0	0.26	46	11
		211MGTY	84-03-18	309	97	7.1	0.12	43	10
		211MGTY	84-07-18	309	100	6.9	0.28	40	10
405409073061402	S 37301	211MGTY	83-10-12	315	47	6.6	0.16	24	5.2
		211MGTY	84-02-29	315	71	6.5	0.16	21	7.3
		211MGTY	84-07-05	315	39	6.2	0.20	20	2.3
405141073191001	S 37351	211MGTY	84-01-19	609	84	5.3	0.080	39	5.6
		211MGTY	84-05-15	609	92	5.5	0.12	36	6.2
404717072595603	S 37494	211MGTY	84-01-29	622	43	6.0	0.22	29	4.2
		211MGTY	84-05-21	622	50	6.0	0.25	13	5.1
404236073225001	S 37681	211MGTY	84-01-17	583	32	4.5	0.10	11	1.2
		211MGTY	84-05-01	583	32	4.4	0.35	7	1.2
404932073060301	S 37847	112GLCLU	83-10-26	349	84	5.9	0.14	33	6.7
		112GLCLU	84-03-18	349	98	6.1	0.11	44	7.5
		112GLCLU	84-07-15	349	103	6.0	0.20	41	6.6

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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
83-10-31	3.7	5.3	1.3	41	6.4	5.0	44	<0.050	<0.010	0.180	--	--
84-03-18	3.8	5.1	1.1	43	6.6	3.5	66	<0.050	<0.010	0.180	<0.5	<5
84-07-18	3.8	5.2	1.2	43	6.1	3.5	41	<0.050	<0.010	0.240	--	--
83-10-12	1.0	3.3	0.47	18	1.9	4.5	27	0.060	<0.010	<0.100	--	--
84-02-29	1.4	5.5	0.50	23	1.6	6.0	51	1.2	<0.010	<0.100	<0.5	<5
84-07-05	0.91	3.4	0.40	15	1.7	3.5	30	<0.050	<0.010	<0.100	--	--
84-01-19	2.1	6.3	0.90	8.0	3.0	7.5	60	5.4	<0.010	<0.100	<0.5	<5
84-05-15	2.3	6.3	0.90	8.0	2.9	9.0	66	5.5	<0.010	<0.100	--	--
84-01-29	1.0	3.5	0.37	17	1.4	5.0	26	0.090	<0.010	0.110	<0.5	<5
84-05-21	1.0	3.5	0.46	15	1.4	5.5	36	0.30	<0.010	0.130	--	--
84-01-17	0.35	3.8	0.50	3.0	<0.50	4.5	20	<0.050	<0.010	1.41	<0.5	<5
84-05-01	0.37	3.0	0.37	3.0	4.9	4.0	25	<0.050	<0.010	<0.100	--	--
83-10-26	2.7	8.8	0.87	22	5.7	12	57	2.1	<0.010	<0.100	--	--
84-03-18	2.7	8.4	0.77	21	6.2	11	67	1.8	<0.010	<0.100	<0.5	<5
84-07-15	2.8	8.4	0.72	14	5.9	11	55	1.8	<0.010	<0.100	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
83-10-31	<20	40	--	30	--	--	200	<0.020
84-03-18	<20	<30	--	180	--	<2	<20	<0.020
84-07-18	<20	<30	<5	60	<0.20	--	30	<0.020
83-10-12	20	140	--	10	--	--	240	<0.020
84-02-29	20	<30	--	<10	--	<2	10	<0.020
84-07-05	40	<30	<5	10	<0.20	--	<20	<0.020
84-01-19	50	<30	--	<10	--	<2	40	<0.020
84-05-15	80	120	<5	<10	<0.20	--	<20	<0.020
84-01-29	<20	<30	--	<10	--	<2	<20	<0.020
84-05-21	<20	<30	<5	<10	<0.20	--	40	<0.020
84-01-17	20	540	--	30	--	<2	70	<0.020
84-05-01	20	510	<5	10	<0.20	--	40	<0.020
83-10-26	<20	<30	--	<10	--	--	<20	<0.020
84-03-18	40	<30	--	<10	--	<2	20	<0.020
84-07-15	50	<30	<5	<10	<0.20	--	<20	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404406073193401	S 37861	211MGTY	84-08-05	636	31	4.9	0.26	10	1.4
404427073073203	S 37963	211MGTY	83-11-08	292	51	5.9	0.31	15	2.1
		211MGTY	84-08-01	292	54	6.7	0.85	15	2.4
404531073150103	S 38192	211MGTY	83-11-17	306	81	5.6	0.36	23	5.6
		211MGTY	84-04-23	306	90	5.8	0.21	30	6.2
		211MGTY	84-08-23	306	90	5.8	0.69	25	6.4
405652072590002	S 38194	112GLCLU	83-10-03	775	77	6.7	0.14	29	4.4
		112GLCLU	84-02-22	775	62	6.7	0.16	18	4.6
		112GLCLU	84-06-20	775	60	6.3	0.22	17	4.6
404756073025502	S 38320	112GLCLU	83-11-03	173	94	5.6	0.11	29	5.1
		112GLCLU	84-04-09	173	53	5.6	0.24	16	3.5
		112GLCLU	84-08-07	173	130	5.6	0.20	24	5.5
404754073024404	S 38321	211MGTY	83-11-03	303	42	5.9	0.38	21	3.2
		211MGTY	84-04-03	303	50	5.9	0.54	18	3.4
		211MGTY	84-08-08	303	50	5.5	0.50	14	4.7

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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
84-08-05	0.41	3.9	0.52	6.0	1.0	3.0	20	<0.050	<0.010	1.41	--	--
83-11-08	2.1	5.2	1.3	20	3.5	3.5	28	<0.050	<0.010	1.18	--	--
84-08-01	2.3	5.0	1.3	20	2.7	3.5	28	<0.050	<0.010	<0.100	--	--
83-11-17	2.0	6.5	0.51	13	11	8.0	49	1.0	<0.010	<0.100	--	--
84-04-23	2.2	6.6	0.50	14	12	10	60	1.0	<0.010	<0.100	<0.5	<5
84-08-23	2.3	6.9	0.57	15	12	9.0	60	1.1	<0.010	<0.100	--	--
83-10-03	1.6	4.6	0.65	22	1.3	6.0	29	0.080	<0.010	<0.100	--	--
84-02-22	1.7	4.5	0.56	23	1.3	4.0	28	0.12	<0.010	<0.100	<0.5	<5
84-06-20	1.8	4.5	0.59	21	1.0	5.0	44	0.23	<0.010	<0.100	--	--
83-11-03	1.9	10	1.2	9.0	8.8	15	63	2.5	<0.010	<0.100	--	--
84-04-09	1.1	4.5	0.50	9.0	6.4	4.5	35	0.070	<0.010	<0.100	<0.5	<5
84-08-07	2.3	10	1.1	9.0	9.3	16	71	2.7	<0.010	<0.100	--	--
83-11-03	1.2	3.8	0.41	14	5.1	4.5	29	<0.050	<0.010	<0.100	--	--
84-04-03	1.3	3.7	0.42	13	5.9	3.5	35	<0.050	<0.010	<0.100	<0.5	<5
84-08-08	1.4	3.9	0.51	14	6.7	5.0	40	<0.050	<0.010	<0.100	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
84-08-05	<20	230	<5	10	<0.20	--	50	<0.020
83-11-08	<20	850	--	20	--	--	<20	<0.020
84-08-01	<20	930	<5	20	<0.20	--	<20	<0.020
83-11-17	40	240	--	10	--	--	<20	<0.020
84-04-23	30	210	--	10	--	<2	<20	<0.020
84-08-23	<20	280	<5	10	<0.20	--	100	<0.020
83-10-03	20	<30	--	10	--	--	60	<0.020
84-02-22	40	<30	--	<10	--	<2	30	<0.020
84-06-20	30	<30	<5	<10	<0.20	--	20	<0.020
83-11-03	50	<30	--	70	--	--	70	<0.020
84-04-09	<20	<30	--	20	--	<2	<20	<0.020
84-08-07	20	<30	<5	70	<0.20	--	20	<0.020
83-11-03	<20	140	--	<10	--	--	20	<0.020
84-04-03	<20	40	--	10	--	<2	<20	<0.020
84-08-08	<20	50	<5	10	<0.20	--	160	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404921073122703	S 38491	211MGTY	84-02-07	403	32	5.8	0.15	11	2.7
		211MGTY	84-05-29	403	43	6.0	0.16	20	2.6
404805073051501	S 38701	112GLCLU	83-11-03	202	142	5.5	0.15	50	8.5
		112GLCLU	84-04-03	202	164	5.4	0.10	38	9.7
		112GLCLU	84-07-30	202	160	5.6	0.26	36	9.0
405256073045602	S 38784	211MGTY	83-11-02	603	20	5.9	0.10	15	1.7
		211MGTY	84-03-26	603	24	5.8	0.16	20	1.4
		211MGTY	84-07-22	603	24	5.7	0.18	8	1.6
405136073235701	S 38785	112GLCLU	83-12-07	694	49	6.4	0.17	14	3.5
		112GLCLU	84-04-23	694	55	7.0	0.15	13	3.7
		112GLCLU	84-08-17	694	53	6.3	0.19	25	3.4
405418073064902	S 38916	211MGTY	84-03-13	845	30	5.7	0.22	6	1.6
		211MGTY	84-07-18	845	33	6.0	0.15	28	1.6
405919072170201	S 38917	112GLCLU	83-10-18	174	68	6.2	0.16	14	3.3
		112GLCLU	84-05-29	174	68	6.2	0.10	25	3.8

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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
84-02-07	0.89	3.7	0.39	14	1.0	3.0	22	0.050	<0.010	<0.100	<0.5	<5
84-05-29	0.96	3.8	0.41	15	1.5	3.5	31	0.060	<0.010	<0.100	--	--
83-11-03	3.0	14	2.4	10	13	19	98	6.0	<0.010	<0.100	--	--
84-04-03	3.1	14	2.3	13	13	18	103	5.5	<0.010	<0.100	<0.5	<5
84-07-30	3.1	15	2.5	11	13	19	103	5.6	<0.010	<0.100	--	--
83-11-02	0.36	2.5	0.24	8.0	0.90	3.5	19	<0.050	<0.010	<0.100	--	--
84-03-26	0.37	2.5	0.25	9.0	0.60	3.0	23	<0.050	<0.010	<0.100	<0.5	<5
84-07-22	0.40	2.6	0.26	10	<0.50	2.0	17	0.060	<0.010	0.180	--	--
83-12-07	1.3	4.9	0.46	19	<0.50	4.5	29	0.90	<0.010	<0.100	--	--
84-04-23	1.4	4.7	0.52	19	<0.50	4.0	39	0.98	<0.010	<0.100	<0.5	<5
84-08-17	1.4	4.9	0.45	21	<0.50	3.5	40	0.92	<0.010	<0.100	--	--
84-03-13	0.67	3.0	0.32	10	3.0	3.0	27	<0.050	<0.010	<0.100	<0.5	<5
84-07-18	0.73	3.1	0.36	12	2.5	3.0	28	<0.050	<0.010	<0.100	--	--
83-10-18	1.3	6.6	0.51	13	5.1	8.0	36	0.090	<0.010	<0.100	--	--
84-05-29	1.4	6.5	0.46	14	4.7	9.0	52	0.13	<0.010	<0.100	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
84-02-07	<20	<30	--	<10	--	<2	<20	<0.020
84-05-29	<20	<30	<5	10	<0.20	--	130	<0.020
83-11-03	50	<30	--	120	--	--	80	<0.020
84-04-03	40	<30	--	110	--	<2	<20	<0.020
84-07-30	40	<30	<5	110	<0.20	--	60	<0.020
83-11-02	30	<30	--	<10	--	--	60	<0.020
84-03-26	20	30	--	<10	--	<2	<20	<0.020
84-07-22	<20	<30	<5	<10	<0.20	--	30	<0.020
83-12-07	20	<30	--	<10	--	--	<20	<0.020
84-04-23	<20	<30	--	<10	--	<2	<20	<0.020
84-08-17	<20	<30	<5	<10	<0.20	--	<20	<0.020
84-03-13	30	40	--	<10	--	<2	<20	<0.020
84-07-18	20	<30	<5	<10	<0.20	--	<20	<0.020
83-10-18	50	<30	--	10	--	--	<20	<0.020
84-05-29	<20	30	<5	<10	<0.20	--	30	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404358073181801	S 39024	211MGTY	83-11-14	623	24	4.8	0.41	6	0.70
		211MGTY	84-04-04	623	24	4.9	0.14	3	0.80
		211MGTY	84-08-05	623	25	4.9	0.21	9	0.80
405054073050901	S 39347	112GLCLU	83-10-16	176	160	5.7	0.18	45	9.6
		112GLCLU	84-03-01	176	142	5.6	0.16	55	10
		112GLCLU	84-07-02	176	168	5.7	0.22	43	9.7
404614073123001	S 39531	211MGTY	83-11-18	289	128	5.8	0.28	35	8.7
		211MGTY	84-04-23	289	155	5.9	1.6	44	10
		211MGTY	84-08-27	289	140	6.3	0.46	40	9.5
405342073203903	S 39536	112GLCLU	83-10-20	615	100	5.9	0.34	30	7.2
		112GLCLU	84-03-07	615	128	5.6	0.13	40	9.8
		112GLCLU	84-07-10	615	122	6.1	0.30	38	9.4
405335072562902	S 40161	112GLCLU	83-11-07	138	104	6.8	0.22	39	10
		112GLCLU	84-04-25	138	111	6.9	0.20	56	12
		112GLCLU	84-07-29	138	114	6.8	0.20	54	10

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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
83-11-14	0.30	2.4	0.27	4.0	2.1	2.0	18	<0.050	<0.010	0.280	--	--
84-04-04	0.32	3.6	0.27	4.0	2.3	2.5	21	<0.050	<0.010	1.32	<0.5	<5
84-08-05	0.32	3.5	0.28	8.0	1.1	3.0	19	<0.050	<0.010	1.58	--	--
83-10-16	4.3	14	1.8	14	15	17	103	6.9	<0.010	<0.100	--	--
84-03-01	4.4	14	1.5	15	14	17	111	6.9	<0.010	<0.100	<0.5	<5
84-07-02	4.4	14	1.7	14	14	17	109	6.8	<0.010	<0.100	--	--
83-11-18	3.1	11	0.60	18	3.8	14	77	5.5	<0.010	<0.100	--	--
84-04-23	3.5	12	0.72	19	6.0	15	96	5.8	<0.010	<0.100	<0.5	<5
84-08-27	3.4	12	0.67	20	5.9	16	94	5.5	<0.010	<0.100	--	--
83-10-20	2.6	6.7	0.89	8.0	8.4	9.5	65	4.4	<0.010	<0.100	--	--
84-03-07	3.4	7.3	0.87	10	13	10	82	5.0	<0.010	<0.100	<0.5	<5
84-07-10	0.34	7.1	0.92	11	13	10	77	5.0	<0.010	<0.100	--	--
83-11-07	2.9	5.8	0.66	34	10	6.5	51	0.70	<0.010	0.160	--	--
84-04-25	3.4	6.2	0.77	39	10	6.5	74	0.30	<0.010	<0.100	<0.5	<5
84-07-29	2.8	6.1	0.75	34	10	7.0	51	0.63	<0.010	0.370	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
83-11-14	<20	350	--	<10	--	--	30	<0.020
84-04-04	<20	290	--	<10	--	<2	20	<0.020
84-08-05	130	350	<5	<10	<0.20	--	<20	<0.020
83-10-16	<20	30	--	30	--	--	<20	<0.020
84-03-01	20	<30	--	20	--	<2	<20	<0.020
84-07-02	<20	<30	<5	20	<0.20	--	<20	<0.020
83-11-18	<20	<30	--	<10	--	--	<20	<0.020
84-04-23	<20	<30	--	<10	--	<2	<20	<0.020
84-08-27	<20	<30	<5	<10	<0.20	--	<20	<0.020
83-10-20	20	<30	--	<10	--	--	<20	<0.020
84-03-07	30	<30	--	<10	--	<2	40	<0.020
84-07-10	60	<30	<5	<10	<0.20	--	<20	<0.020
83-11-07	<20	<30	--	<10	--	--	50	<0.020
84-04-25	<20	<30	--	<10	--	<2	<20	<0.020
84-07-29	<20	<30	<5	10	<0.20	--	50	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404321073222601	S 40330	211MGTY	84-01-23	328	52	5.3	0.58	18	2.4
405221073021201	S 40331	112GLCLU	83-11-08	694	68	6.1	0.16	27	6.0
		112GLCLU	84-03-26	694	92	6.1	0.13	28	6.8
		112GLCLU	84-07-22	694	92	6.0	0.18	38	6.3
404604073175203	S 40497	211MGTY	83-10-04	284	30	5.8	0.31	9	1.7
		211MGTY	84-02-15	284	28	5.8	0.34	24	1.7
		211MGTY	84-06-11	284	29	5.5	0.22	10	1.5
404232073204103	S 40498	211MGTY	83-11-13	748	20	4.6	0.15	4	0.70
		211MGTY	84-04-04	748	23	4.8	0.12	3	1.0
		211MGTY	84-08-07	748	22	4.6	0.16	6	1.8
405222073211901	S 40709	112GLCLU	83-11-06	485	51	6.3	0.14	28	4.6
		112GLCLU	84-03-26	485	67	6.3	0.15	19	5.6
		112GLCLU	84-07-23	485	67	6.3	0.14	31	5.0
405207073131401	S 40710	112GLCLU	84-02-25	463	32	5.7	0.13	8	1.7
		112GLCLU	84-05-09	463	34	5.8	0.11	13	1.8

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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
84-01-23	0.80	5.9	0.42	7.0	3.2	9.0	32	<0.050	<0.010	1.02	<0.5	<5
83-11-08	2.4	6.4	0.64	16	5.0	9.0	52	2.7	<0.010	<0.100	--	--
84-03-26	2.4	6.6	0.66	17	5.3	7.5	61	2.7	<0.010	<0.100	<0.5	<5
84-07-22	2.5	6.4	0.67	20	5.6	7.5	51	2.5	<0.010	0.210	--	--
83-10-04	0.52	3.0	0.40	10	2.5	3.0	21	<0.050	<0.010	<0.100	--	--
84-02-15	0.53	2.9	0.39	10	1.2	4.0	21	<0.050	<0.010	<0.100	<5	<5
84-06-11	0.52	2.8	0.30	9.0	1.5	3.0	24	<0.050	<0.010	<0.100	--	--
83-11-13	0.29	2.4	0.27	3.0	1.8	2.5	18	<0.050	<0.010	0.190	--	--
84-04-04	0.34	2.9	0.34	4.0	2.4	2.5	21	<0.050	<0.010	0.980	<0.5	<5
84-08-07	0.34	3.0	0.30	6.0	0.90	2.0	18	<0.050	<0.010	1.13	--	--
83-11-06	1.7	4.7	0.50	18	3.5	5.5	36	1.1	<0.010	<0.100	--	--
84-03-26	1.7	4.6	0.52	19	3.1	4.0	45	1.0	<0.010	<0.100	<0.5	<5
84-07-23	1.7	4.6	0.50	19	3.8	0.50	46	1.1	<0.010	<0.100	--	--
84-02-25	0.57	3.4	0.36	8.0	<0.50	3.5	22	0.52	<0.010	<0.100	<0.5	<5
84-05-09	0.59	3.5	0.44	11	0.60	4.0	29	0.54	<0.010	<0.100	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
84-01-23	30	710	--	20	--	<2	<20	<0.020
83-11-08	<20	60	--	10	--	--	30	<0.020
84-03-26	20	<30	--	<10	--	<2	<20	<0.020
84-07-22	<20	<30	<5	<10	<0.20	--	<20	<0.020
83-10-04	30	<30	--	10	--	--	20	<0.020
84-02-15	<20	<30	--	<10	--	<2	<20	<0.020
84-06-11	<20	<30	<5	10	<0.20	--	<20	<0.020
83-11-13	20	220	--	<10	--	--	<20	<0.020
84-04-04	<20	230	--	10	--	<2	60	<0.020
84-08-07	<20	260	<5	<10	<0.20	--	70	<0.020
83-11-06	20	60	--	10	--	--	40	<0.020
84-03-26	<20	<30	--	<10	--	<2	<20	<0.020
84-07-23	<20	<30	<5	<10	<0.20	--	80	<0.020
84-02-25	20	<30	--	<10	--	<2	<20	<0.020
84-05-09	<20	<30	<5	<10	<0.20	--	<20	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
405209073131401	S 40711	112QLCLU	84-02-24	273	144	5.5	0.14	20	5.8
		112QLCLU	84-05-09	273	106	5.5	0.11	31	6.2
405513073045501	S 40837	211MQTY	84-02-09	287	108	6.3	0.23	35	8.0
		211MQTY	84-06-28	287	121	6.0	0.11	46	8.2
405514073050102	S 40838	112QLCLU	84-02-22	294	110	6.0	0.15	31	7.4
		112QLCLU	84-06-14	294	150	5.9	0.15	56	9.7
405418073064901	S 40980	211MQTY	84-03-07	578	25	5.9	0.17	5	1.3
		211MQTY	84-06-19	578	27	5.7	0.30	20	1.3
404820073073401	S 40982	112QLCLU	83-10-12	150	245	5.6	0.14	41	10
		112QLCLU	84-03-11	150	295	5.4	0.33	60	9.3
		112QLCLU	84-07-02	150	285	5.5	0.26	40	9.9
405015073090201	S 42226	112QLCLU	83-10-25	270	235	7.0	0.18	110	20
		112QLCLU	84-03-20	270	218	7.3	0.15	93	20
		112QLCLU	84-07-16	270	241	7.1	0.22	100	21

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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
84-02-24	2.0	9.6	0.66	11	3.4	14	59	3.0	<0.010	<0.100	<0.5	<5
84-05-09	2.2	9.9	0.93	13	3.3	15	68	3.0	<0.010	<0.100	--	--
84-02-09	3.4	6.6	0.69	18	11	8.5	72	3.0	<0.010	<0.100	<0.5	<5
84-06-28	3.9	6.9	0.79	19	12	9.5	76	3.1	<0.010	<0.100	--	--
84-02-22	3.3	7.8	0.79	18	7.6	9.0	75	4.4	<0.010	<0.100	<0.5	<5
84-06-14	4.5	9.2	1.0	17	14	12	93	5.2	<0.010	<0.100	--	--
84-03-07	0.47	2.9	0.27	9.0	0.90	4.5	25	<0.050	<0.010	<0.100	<0.5	<5
84-06-19	0.50	2.8	0.31	10	0.70	2.5	23	<0.050	<0.010	<0.100	--	--
83-10-12	3.9	31	3.0	11	14	53	144	3.9	<0.010	<0.100	--	--
84-03-11	3.9	36	2.8	11	11	66	158	2.8	<0.010	<0.100	<0.5	<5
84-07-02	4.1	37	3.0	11	13	67	165	3.2	<0.010	<0.100	--	--
83-10-25	11	12	0.80	77	6.2	18	100	4.2	<0.010	<0.100	--	--
84-03-20	10	11	0.67	69	8.3	19	140	3.8	<0.010	<0.100	<0.5	<5
84-07-16	11	12	0.76	85	7.5	12	96	4.1	<0.010	<0.100	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
84-02-24	20	<30	--	<10	--	<2	30	<0.020
84-05-09	20	<30	<5	<10	<0.20	--	4800	<0.020
84-02-09	<20	<30	--	<10	--	<2	<20	<0.020
84-06-28	50	<30	<5	10	<0.20	--	<20	<0.020
84-02-22	20	<30	--	<10	--	<2	<20	<0.020
84-06-14	20	<30	<5	10	<0.20	--	<20	<0.020
84-03-07	<20	30	--	20	--	<2	20	<0.020
84-06-19	30	<30	<5	<10	<0.20	--	<20	<0.020
83-10-12	30	<30	--	70	--	--	40	<0.020
84-03-11	<20	<30	--	60	--	<2	<20	<0.020
84-07-02	30	<30	<5	70	<0.20	--	<20	<0.020
83-10-25	<20	<30	--	20	--	--	210	<0.020
84-03-20	<20	<30	--	<10	--	<2	<20	<0.020
84-07-16	<20	<30	<5	<10	<0.20	--	<20	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
405016073090301	S 42227	112GLCLU	83-10-24	253	180	6.8	0.16	100	15
		112GLCLU	84-03-18	253	170	7.0	0.10	95	16
		112GLCLU	84-07-11	253	200	6.9	0.26	88	19
405119073123700	S 42270	211MGTY	84-02-12	649	39	6.0	0.27	20	3.9
		211MGTY	84-05-29	649	32	6.0	0.12	16	1.8
405119073123702	S 42473	211MGTY	84-02-13	649	38	5.4	0.19	15	1.2
		211MGTY	84-06-12	649	41	5.6	0.11	14	1.5
404738072562701	S 42499	112GLCLU	84-02-01	176	78	5.6	0.11	20	3.3
		112GLCLU	84-05-16	176	103	5.6	0.16	19	3.5
405215073012501	S 42504	112GLCLU	83-10-31	227	110	5.6	0.16	35	7.7
		112GLCLU	84-03-28	227	148	5.9	0.23	45	9.3
		112GLCLU	84-07-31	227	144	5.6	0.20	34	8.2
405215073012502	S 42505	112GLCLU	83-10-31	233	108	5.9	0.18	38	8.3
		112GLCLU	84-03-28	233	136	5.8	0.14	53	8.0
		112GLCLU	84-07-23	233	144	5.6	0.20	35	9.5

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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
83-10-24	8.4	8.2	0.77	70	3.3	10	109	2.5	<0.010	<0.100	--	--
84-03-18	8.3	8.1	0.73	63	4.7	11	109	2.6	<0.010	<0.100	<0.5	<5
84-07-11	9.9	8.3	0.72	74	4.8	12	79	2.7	<0.010	<0.100	--	--
84-02-12	1.0	3.8	0.49	16	2.8	2.5	25	<0.050	<0.010	<0.100	<5	<5
84-05-29	0.83	3.7	0.53	11	3.2	3.5	29	<0.050	<0.010	<0.100	--	--
84-02-13	0.69	5.5	0.62	10	5.9	2.5	27	<0.050	<0.010	<0.100	<0.5	<5
84-06-12	0.81	4.6	0.61	10	4.6	3.5	31	<0.050	<0.010	<0.100	--	--
84-02-01	1.6	10	0.58	10	7.4	14	53	1.0	<0.010	<0.100	<0.5	<5
84-05-16	1.9	10	0.60	10	7.3	17	61	1.1	<0.010	<0.100	--	--
83-10-31	3.0	12	0.89	10	12	22	77	1.9	<0.010	<0.100	--	--
84-03-28	3.6	11	0.95	17	11	21	77	1.8	<0.010	<0.100	<0.5	<5
84-07-31	3.3	13	0.86	14	13	22	81	2.1	<0.010	0.250	--	--
83-10-31	3.6	11	0.88	17	11	20	75	2.0	<0.010	<0.100	--	--
84-03-28	3.0	11	0.82	13	11	21	75	1.8	<0.010	<0.100	<0.5	<5
84-07-23	3.7	12	0.91	19	13	21	82	2.2	<0.010	0.220	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
83-10-24	<20	<30	--	<10	--	--	20	<0.020
84-03-18	<20	<30	--	<10	--	<2	<20	<0.020
84-07-11	<20	<30	<5	10	<0.20	--	70	<0.020
84-02-12	20	40	--	<10	--	<2	20	<0.020
84-05-29	20	<30	<5	<10	<0.20	--	150	<0.020
84-02-13	70	120	--	<10	--	<2	20	<0.020
84-06-12	20	<30	<5	<10	<0.20	--	220	<0.020
84-02-01	20	<30	--	<10	--	<2	60	<0.020
84-05-16	<20	<30	<5	<10	<0.20	--	50	<0.020
83-10-31	<20	<30	--	510	--	--	50	<0.020
84-03-28	<20	<30	--	20	--	<2	<20	<0.020
84-07-31	<20	<30	<5	40	<0.20	--	60	<0.020
83-10-31	<20	<30	--	30	--	--	20	<0.020
84-03-28	<20	<30	--	450	--	<2	60	<0.020
84-07-23	<20	<30	<5	20	<0.20	--	30	<0.020

WATER GUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
405054073050902	S 42760	112GLCLU	83-10-12	173	160	5.8	0.24	46	11
		112GLCLU	84-02-29	173	165	5.7	0.19	60	12
		112GLCLU	84-07-04	173	174	5.5	0.22	45	11
404756073025501	S 42761	211MGTY	83-11-06	333	43	5.9	0.14	20	3.0
		211MGTY	84-04-04	333	49	5.8	0.33	16	3.1
		211MGTY	84-08-09	333	49	5.9	0.28	13	5.2
404305073161401	S 42762	211MGTY	84-02-06	714	27	5.1	0.10	15	1.1
		211MGTY	84-06-05	714	29	5.0	0.18	9	0.40
404511073112301	S 42827	211MGTY	83-11-30	663	85	5.9	0.17	11	1.9
		211MGTY	84-04-16	663	41	5.8	2.5	22	2.5
		211MGTY	84-08-12	663	39	6.2	0.91	11	2.1
405113073260901	S 43001	112GLCLU	83-11-27	590	91	5.7	0.17	31	7.0
		112GLCLU	84-04-19	590	104	6.1	0.11	44	7.9
		112GLCLU	84-08-16	590	95	5.8	0.16	33	8.8

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)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)
83-10-12	4.0	12	1.4	17	14	16	100	6.6	<0.010	<0.100	--	--
84-02-29	3.9	12	1.1	18	15	15	109	6.5	<0.010	<0.100	<0.5	<5
84-07-04	4.1	13	1.3	18	14	17	111	6.5	<0.010	<0.100	--	--
83-11-06	1.1	4.1	0.40	11	6.6	4.5	--	<0.050	<0.010	0.590	--	--
84-04-04	1.2	4.0	0.39	11	6.3	3.5	34	<0.050	<0.010	0.230	<0.5	<5
84-08-09	1.2	3.8	0.41	11	7.7	4.5	39	0.12	<0.010	0.230	--	--
84-02-06	0.32	4.1	0.74	7.0	0.60	2.5	19	<0.050	<0.010	<0.100	<0.5	<5
84-06-05	0.32	3.5	0.46	6.0	1.9	3.0	22	<0.050	<0.010	1.53	--	--
83-11-30	1.3	3.5	0.50	13	1.0	3.5	22	<0.050	<0.010	0.700	--	--
84-04-16	1.4	2.9	0.42	15	1.7	3.5	31	<0.050	<0.010	<0.100	<0.5	<5
84-08-12	1.4	3.3	0.46	15	1.6	3.0	30	<0.050	<0.010	<0.100	--	--
83-11-27	2.7	5.7	0.70	11	7.4	7.5	57	3.6	<0.010	<0.100	--	--
84-04-19	3.0	5.9	0.74	13	10	9.0	71	3.8	<0.010	<0.100	<0.5	<5
84-08-16	2.9	5.8	0.75	15	10	8.5	71	3.6	<0.010	<0.100	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
83-10-12	40	<30	--	40	--	--	30	<0.020
84-02-29	30	<30	--	40	--	<2	20	<0.020
84-07-04	20	<30	<5	30	<0.20	--	20	<0.020
83-11-06	20	250	--	10	--	--	20	<0.020
84-04-04	<20	230	--	20	--	<2	<20	<0.020
84-08-09	<20	260	<5	20	<0.20	--	200	<0.020
84-02-06	20	340	--	<10	--	<2	<20	<0.020
84-06-05	30	470	<5	10	<0.20	--	<20	<0.020
83-11-30	30	480	--	10	--	--	<20	<0.020
84-04-16	40	600	--	<10	--	<2	<20	<0.020
84-08-12	<20	860	<0.05	10	<0.20	--	20	<0.020
83-11-27	240	<30	--	<10	--	--	30	<0.020
84-04-19	20	<30	--	<10	--	<2	<20	<0.020
84-08-16	70	<30	<5	10	<0.20	--	50	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
405256073045603	S 43117	211MGTY	83-11-01	553	26	6.0	0.16	17	1.4
		211MGTY	84-03-25	553	33	6.3	0.14	10	1.9
		211MGTY	84-07-22	553	35	6.0	0.15	15	2.0
404820073073402	S 43641	211MGTY	83-10-11	706	40	5.9	1.1	15	2.3
		211MGTY	84-03-11	706	41	5.6	1.0	25	2.4
		211MGTY	84-07-02	706	40	5.8	0.59	10	2.1
405245073252201	S 44468	112GLCLU	83-11-29	91	75	6.5	0.16	25	6.5
		112GLCLU	84-04-24	91	83	7.6	0.10	35	6.4
		112GLCLU	84-08-22	91	80	6.4	0.12	34	6.0
405710072571301	S 44640	112GLCLU	83-10-05	205	110	5.9	0.14	28	5.5
		112GLCLU	84-06-18	205	125	5.6	0.33	35	6.3
404920073142801	S 44774	112GLCLU	84-01-20	293	50	5.9	0.10	29	4.1
		112GLCLU	84-05-03	293	61	5.6	0.26	30	4.2
405322073211404	S 45610	112GLCLU	83-10-19	313	24	5.6	0.14	5	1.3
		112GLCLU	84-07-09	313	30	5.6	0.24	5	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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
83-11-01	0.50	3.1	0.26	7.0	0.70	3.5	23	0.76	<0.010	<0.100	--	--
84-03-25	0.61	3.4	0.62	9.0	<0.50	3.0	24	1.0	<0.010	<0.100	<0.5	<5
84-07-22	0.68	3.6	0.32	10	<0.50	3.0	26	1.4	<0.010	<0.100	--	--
83-10-11	0.90	3.9	0.51	12	1.7	3.5	23	<0.050	<0.010	<0.100	--	--
84-03-11	0.89	3.9	0.45	13	2.5	4.0	31	<0.050	<0.010	<0.100	<0.5	<5
84-07-02	0.90	3.7	0.49	13	2.1	4.0	30	<0.050	<0.010	<0.100	--	--
83-11-29	2.5	4.9	0.70	24	2.2	5.5	40	1.5	<0.010	<0.100	--	--
84-04-24	2.6	5.1	0.74	24	3.2	6.0	55	1.6	<0.010	<0.100	<0.5	<5
84-08-22	2.6	5.1	0.74	25	2.2	5.0	53	1.5	<0.010	<0.100	--	--
83-10-05	3.4	8.7	0.97	11	9.5	12	67	3.6	<0.010	<0.100	--	--
84-06-18	4.6	7.5	1.0	11	16	12	80	3.6	<0.010	<0.100	--	--
84-01-20	1.6	4.6	0.66	20	<0.50	7.0	30	0.41	<0.010	<0.100	<0.5	<5
84-05-03	1.8	4.5	0.49	22	1.5	5.0	42	--	<0.010	<0.100	--	--
83-10-19	0.49	3.6	0.41	7.0	1.1	4.0	24	0.78	<0.010	<0.100	--	--
84-07-09	0.51	3.5	0.43	8.0	<0.50	4.0	23	0.76	<0.010	<0.100	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
83-11-01	20	<30	--	10	--	--	30	<0.020
84-03-25	30	<30	--	<10	--	<2	<20	<0.020
84-07-22	<20	<30	<5	<10	<0.20	--	<20	<0.020
83-10-11	20	260	--	10	--	--	20	<0.020
84-03-11	<20	280	--	20	--	<2	<20	<0.020
84-07-02	<20	310	<5	20	<0.20	--	<20	<0.020
83-11-29	<20	<30	--	<10	--	--	70	<0.020
84-04-24	<20	<30	--	<10	--	<2	<20	<0.020
84-08-22	<20	<30	<5	10	<0.20	--	60	<0.020
83-10-05	20	<30	--	40	--	--	100	<0.020
84-06-18	90	<30	<5	30	<0.20	--	20	<0.020
84-01-20	<20	<30	--	<10	--	<2	20	<0.020
84-05-03	<20	<30	<5	10	<0.20	--	<20	<0.020
83-10-19	20	<30	--	<10	--	--	20	<0.020
84-07-09	40	<30	<5	<10	<0.20	--	<20	<0.020

WATER GUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404503073131201	S 45839	211MGTY	83-11-18	726	20	5.1	0.19	5	0.80
		211MGTY	84-04-15	726	22	5.1	0.11	12	0.70
		211MGTY	84-08-13	726	21	5.5	0.30	5	0.80
404218073190400	S 45840	211MGTY	84-08-05	315	51	5.0	0.26	12	1.4
404432073151300	S 46235	211MGTY	84-02-06	713	27	5.0	0.36	27	1.0
		211MGTY	84-06-11	713	34	5.3	0.30	6	1.7
405002073022600	S 46400	112GLCLU	83-10-12	266	150	6.5	0.35	50	11
		112GLCLU	84-02-29	266	--	6.3	0.10	52	11
		112GLCLU	84-07-02	266	163	6.3	0.23	48	11
404803072484001	S 46712	112GLCLU	84-01-30	100	120	6.0	0.31	54	6.1
		112GLCLU	84-05-21	100	116	6.0	0.20	24	6.3
404804072484101	S 46713	211MGTY	84-02-01	444	61	5.8	0.46	34	4.5
		211MGTY	84-05-16	444	122	6.4	0.38	28	7.2

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)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)
83-11-18	0.38	2.6	0.38	5.0	1.4	3.0	19	<0.050	<0.010	<0.100	--	--
84-04-15	0.38	2.7	0.37	6.0	2.8	3.5	23	<0.050	<0.010	<0.100	<0.5	<5
84-08-13	0.38	2.9	0.39	6.0	1.7	4.0	23	<0.050	<0.010	<0.100	--	--
84-08-05	1.6	5.6	0.69	9.0	7.2	5.0	32	<0.050	<0.010	0.970	--	--
84-02-06	0.54	3.7	0.45	6.0	3.5	3.0	22	<0.050	<0.010	0.520	<0.5	<5
84-06-11	0.38	3.2	0.36	6.0	5.1	3.5	27	<0.050	<0.010	0.250	--	--
83-10-12	4.9	10	1.0	29	10	16	79	3.0	<0.010	<0.100	--	--
84-02-29	4.7	10	0.81	30	10	16	94	2.9	<0.010	<0.100	<0.5	<5
84-07-02	4.9	10	1.0	30	11	17	96	2.7	<0.010	0.130	--	--
84-01-30	2.7	15	0.67	17	4.1	28	70	0.66	<0.010	<0.100	<0.5	<5
84-05-21	2.6	10	0.65	16	6.4	19	68	0.69	<0.010	<0.100	--	--
84-02-01	1.4	6.6	0.47	11	4.8	10	39	<0.050	<0.010	<0.100	<0.5	<5
84-05-16	2.2	10	0.47	17	9.1	19	69	0.25	<0.010	<0.100	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
83-11-18	<20	110	--	10	--	--	20	<0.020
84-04-15	<20	140	--	<10	--	<2	<20	<0.020
84-08-13	<20	180	<5	<10	<0.20	--	30	<0.020
84-08-05	30	680	<5	10	<0.20	--	30	<0.020
84-02-06	<20	320	--	10	--	<2	30	<0.020
84-06-11	20	490	<5	20	<0.20	--	40	<0.020
83-10-12	20	<30	--	<10	--	--	20	<0.020
84-02-29	<20	<30	--	<10	--	<2	40	<0.020
84-07-02	<20	<30	<5	<10	<0.20	--	<20	<0.020
84-01-30	<20	<30	--	<10	--	<2	<20	<0.020
84-05-21	<20	50	<5	10	<0.20	--	150	<0.020
84-02-01	<20	<30	--	10	--	<2	<20	<0.020
84-05-16	<20	450	<5	30	<0.20	--	390	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404606073174601	S 46830	211MGTY	83-10-03	655	31	5.6	0.25	13	1.7
		211MGTY	84-02-15	655	61	6.5	0.35	45	8.2
		211MGTY	84-06-11	655	28	5.3	0.23	15	1.1
405455073025801	S 46928	211MGTY	84-02-20	654	40	6.3	0.12	25	3.6
		211MGTY	84-06-20	654	48	6.3	0.23	15	5.5
404628072430803	S 47024	211MGTY	84-07-03	377	240	7.1	0.80	17	2.0
404617073035501	S 47035	211MGTY	83-11-06	508	32	6.0	0.17	10	2.3
		211MGTY	84-04-05	508	43	5.8	0.28	15	2.8
		211MGTY	84-08-01	508	42	6.0	0.48	10	2.4
405407073001102	S 47219	112GLCLU	84-02-21	208	134	5.9	0.12	56	11
		112GLCLU	84-06-17	208	175	6.0	0.20	54	12
405407073001101	S 47310	211MGTY	84-02-15	698	34	6.4	0.13	26	2.6
		211MGTY	84-06-20	698	114	5.9	0.24	35	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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
83-10-03	0.47	3.3	0.50	10	1.0	4.5	23	0.22	<0.010	0.250	--	--
84-02-15	0.82	3.4	0.48	24	1.9	4.0	30	0.060	<0.010	0.100	<0.5	<5
84-06-11	0.38	3.1	0.42	7.0	<0.50	3.5	23	0.30	<0.010	<0.100	--	--
84-02-20	1.0	3.4	0.41	16	1.8	4.0	33	<0.050	<0.010	<0.100	<0.5	<5
84-06-20	1.1	2.2	0.45	17	1.8	4.0	36	0.090	<0.010	<0.100	--	--
84-07-03	0.58	49	4.7	65	31	17	155	<0.050	<0.010	0.410	--	--
83-11-06	1.0	3.8	0.43	13	2.9	4.5	25	<0.050	<0.010	<0.100	--	--
84-04-05	1.1	3.7	0.57	13	6.4	3.5	35	0.080	<0.010	<0.100	<0.5	<5
84-08-01	1.1	3.6	0.45	14	2.7	3.5	31	<0.050	<0.010	<0.100	--	--
84-02-21	5.4	8.6	0.82	16	26	14	97	2.5	<0.010	<0.100	<0.5	<5
84-06-17	6.0	9.2	0.95	18	26	16	104	2.9	<0.010	<0.100	--	--
84-02-15	0.80	3.3	0.41	13	1.0	3.5	29	<0.050	<0.010	<0.100	<0.5	<5
84-06-20	3.6	6.5	0.70	16	17	10	73	1.6	<0.010	<0.100	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
83-10-03	30	<30	--	10	--	--	<20	<0.020
84-02-15	<20	350	--	10	--	<2	<20	<0.020
84-06-11	20	<30	<5	10	<0.20	--	<20	<0.020
84-02-20	20	<30	--	10	--	<2	20	<0.020
84-06-20	20	<30	<5	20	<0.20	--	40	<0.020
84-07-03	<20	<30	<5	<10	<0.20	--	70	<0.020
83-11-06	70	270	--	10	--	--	50	<0.020
84-04-05	60	80	--	10	--	<2	<20	<0.020
84-08-01	70	220	<5	10	<0.20	--	50	<0.020
84-02-21	20	40	--	30	--	<2	<20	<0.020
84-06-17	50	<30	<5	10	<0.20	--	20	<0.020
84-02-15	20	40	--	30	--	<2	<20	<0.020
84-06-20	30	<30	<5	10	<0.20	--	<20	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
405110072531501	S 47436	112GLCLU	83-11-06	196	58	6.0	0.26	23	3.8
		112GLCLU	84-03-25	196	74	6.0	0.16	27	4.7
		112GLCLU	84-07-31	196	73	5.9	0.21	40	4.9
405110072531502	S 47437	112GLCLU	83-11-06	179	74	6.1	0.16	32	6.7
		112GLCLU	84-04-24	179	106	7.0	0.21	33	8.7
		112GLCLU	84-07-31	179	95	6.6	0.43	50	7.7
405110072531503	S 47438	211MGTY	83-11-06	269	76	6.4	0.19	27	7.0
		211MGTY	84-04-11	269	91	6.3	0.31	37	8.3
		211MGTY	84-07-31	269	79	7.5	0.25	31	6.8
404804073051302	S 47453	211MGTY	83-11-07	444	35	5.8	0.21	15	2.3
		211MGTY	84-08-02	444	41	5.5	1.6	10	2.4
405142073105801	S 47673	112GLCLU	84-01-31	279	106	6.8	0.18	36	9.8
		112GLCLU	84-05-13	279	137	6.7	0.12	52	11
404046073252102	S 47887	211MGTY	84-01-07	648	20	4.7	4.0	4	0.60
		211MGTY	84-05-01	648	24	4.3	0.19	7	0.50

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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
83-11-06	1.8	5.0	0.54	13	5.9	8.5	37	0.25	<0.010	<0.100	--	--
84-03-25	2.0	5.8	0.52	15	5.6	10	40	0.25	<0.010	<0.100	<0.5	<5
84-07-31	2.0	5.8	0.52	17	7.9	8.5	50	0.26	<0.010	0.220	--	--
83-11-06	1.9	5.4	0.54	18	6.2	11	44	0.27	<0.010	<0.100	--	--
84-04-24	2.6	6.8	0.66	25	7.8	11	64	0.39	0.030	<0.100	<0.5	<5
84-07-31	2.4	6.6	0.71	25	7.4	10	61	0.28	<0.010	0.290	--	--
83-11-06	1.9	5.1	0.51	23	5.9	7.5	40	0.45	<0.010	<0.100	--	--
84-04-11	2.3	5.5	0.65	25	8.3	6.5	45	0.58	<0.010	<0.100	<0.5	<5
84-07-31	2.1	5.3	0.59	26	7.3	5.5	55	0.50	<0.010	0.340	--	--
83-11-07	0.90	3.8	0.38	12	2.3	4.5	26	0.45	<0.010	<0.100	--	--
84-08-02	0.95	3.7	0.37	13	2.8	3.5	31	0.16	<0.010	<0.100	--	--
84-01-31	4.0	6.5	0.85	34	5.8	8.5	51	1.0	<0.010	0.120	<0.5	<5
84-05-13	4.5	7.6	1.0	35	7.3	10	81	1.8	<0.010	<0.100	--	--
84-01-07	0.18	2.1	0.26	4.0	1.3	4.5	19	<0.050	<0.010	<0.100	<0.5	<5
84-05-01	0.19	2.9	0.31	4.0	0.80	2.5	19	<0.050	<0.010	0.920	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
83-11-06	<20	<30	--	10	--	--	50	<0.020
84-03-25	20	<30	--	<10	--	<2	<20	<0.020
84-07-31	30	<30	<5	<10	<0.20	--	50	<0.020
83-11-06	30	30	--	10	--	--	60	<0.020
84-04-24	<20	110	--	<10	--	<2	30	<0.020
84-07-31	100	240	<5	10	<0.20	--	30	<0.020
83-11-06	20	40	--	10	--	--	40	<0.020
84-04-11	<20	50	--	<10	--	<2	<20	<0.020
84-07-31	<20	50	<5	10	<0.20	--	<20	<0.020
83-11-07	30	<30	--	<10	--	--	<20	<0.020
84-08-02	<20	30	<5	<10	<0.20	--	<20	<0.020
84-01-31	<20	<30	--	20	--	<2	200	<0.020
84-05-13	20	<30	<5	<10	<0.20	--	260	<0.020
84-01-07	<20	370	--	<10	--	<2	110	<0.020
84-05-01	30	270	<5	<10	<0.20	--	<20	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
405203073085501	S 48014	211MGTY	83-10-30	343	87	6.9	0.14	48	8.5
		211MGTY	84-03-18	343	92	6.9	0.18	43	9.5
		211MGTY	84-07-15	343	102	7.0	0.21	40	10
404515073225502	S 48193	112GLCLU	83-11-16	534	25	5.2	0.15	7	2.0
		112GLCLU	84-04-18	534	19	5.0	1.1	4	1.1
		112GLCLU	84-08-06	534	18	5.1	0.30	7	0.70
405319073233601	S 48719	112GLCLU	83-11-28	349	83	6.2	0.20	28	6.6
		112GLCLU	84-04-20	349	91	6.4	0.14	45	6.5
		112GLCLU	84-08-17	349	91	6.2	0.16	40	7.0
404739072562701	S 49018	211MGTY	84-01-29	516	56	6.0	0.15	33	5.2
		211MGTY	84-05-16	516	65	5.9	0.24	25	5.1
405720072122702	S 49422	112GLCLU	83-10-13	148	108	6.1	0.29	21	4.6
		112GLCLU	84-02-27	148	97	6.2	0.10	24	4.6
		112GLCLU	84-06-25	148	126	5.8	0.15	38	3.6

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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
83-10-30	3.5	4.8	1.2	37	10	4.5	43	<0.050	<0.010	0.130	--	--
84-03-18	3.6	4.5	1.1	3.0	9.2	3.5	62	<0.050	<0.010	<0.100	<0.5	<5
84-07-15	3.8	4.9	1.2	38	10	4.0	45	<0.050	<0.010	0.200	--	--
83-11-16	0.28	2.6	0.34	8.0	<0.50	3.5	19	0.12	<0.010	<0.100	--	--
84-04-18	0.22	1.9	0.25	5.0	<0.50	2.5	18	<0.050	<0.010	<0.100	<0.5	<5
84-08-06	0.23	2.0	0.26	7.0	0.50	3.0	16	<0.050	<0.010	<0.100	--	--
83-11-28	2.5	5.6	0.62	19	7.4	7.0	51	2.4	<0.010	<0.100	--	--
84-04-20	2.4	5.4	0.65	19	6.0	7.0	59	2.4	<0.010	<0.100	<0.5	<5
84-08-17	2.7	5.9	0.67	21	8.0	7.0	64	2.5	<0.010	<0.100	--	--
84-01-29	1.0	6.5	0.60	21	3.9	5.5	33	<0.050	<0.010	3.25	<0.5	<5
84-05-16	1.0	4.8	0.59	21	4.6	4.5	42	<0.050	<0.010	3.35	--	--
83-10-13	2.4	12	1.0	15	11	14	64	1.7	<0.010	<0.100	--	--
84-02-27	2.3	13	0.79	16	12	12	63	1.4	<0.010	<0.100	<0.5	<5
84-06-25	2.0	16	0.66	20	15	13	79	1.2	<0.010	<0.100	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
83-10-30	<20	<30	--	30	--	--	70	<0.020
84-03-18	<20	<30	--	130	--	<2	30	<0.020
84-07-15	<20	60	<5	120	<0.20	--	30	<0.020
83-11-16	20	<30	--	10	--	--	20	<0.020
84-04-18	40	200	--	<10	--	<2	20	<0.020
84-08-06	20	80	<5	<10	<0.20	--	20	<0.020
83-11-28	20	<30	--	<10	--	--	<20	<0.020
84-04-20	150	<30	--	<10	--	<2	<20	<0.020
84-08-17	<20	<30	<5	<10	<0.20	--	20	<0.020
84-01-29	<20	1200	--	20	--	<2	<20	<0.020
84-05-16	<20	1200	<5	20	<0.20	--	<20	<0.020
83-10-13	60	<30	--	10	--	--	<20	<0.020
84-02-27	40	<30	--	<10	--	<2	<20	<0.020
84-06-25	30	30	<5	<10	<0.20	--	30	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
405335072562903	S 49606	211MGTY	83-11-07	703	95	6.5	0.26	33	8.2
		211MGTY	84-04-25	703	106	6.8	0.40	47	10
		211MGTY	84-07-22	703	93	6.3	0.28	45	8.4
404432073151303	S 50546	211MGTY	84-02-07	668	33	5.3	0.24	21	1.7
		211MGTY	84-06-05	668	34	5.2	0.35	7	1.7
404426073073304	S 50630	211MGTY	83-11-06	243	53	6.2	0.56	15	2.6
		211MGTY	84-03-28	243	69	6.0	0.14	15	2.5
		211MGTY	84-04-03	243	67	6.0	0.17	18	2.8
		211MGTY	84-07-31	243	63	6.1	0.21	16	2.4
404210073250201	S 51214	211MGTY	84-01-08	395	57	4.6	0.24	10	2.3
		211MGTY	84-05-07	395	66	4.5	0.29	25	2.4
405410073010501	S 51266	112GLCLU	84-02-21	595	46	6.9	0.15	33	4.9
		112GLCLU	84-06-17	595	56	6.6	0.35	22	4.6

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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
83-11-07	3.0	5.8	0.98	29	5.2	7.5	45	0.82	<0.010	0.100	--	--
84-04-25	3.6	6.3	0.79	27	11	11	75	1.4	<0.010	<0.100	<0.5	<5
84-07-22	2.9	5.2	1.1	37	4.0	5.0	39	0.39	<0.010	0.380	--	--
84-02-07	0.91	3.0	0.49	7.0	5.8	2.5	25	<0.050	<0.010	<0.100	<0.5	<5
84-06-05	0.81	3.0	0.35	6.0	5.1	3.5	27	<0.050	<0.010	<0.100	--	--
83-11-06	2.2	5.3	1.1	20	4.4	3.0	29	<0.050	<0.010	0.760	--	--
84-03-28	2.3	7.4	0.89	22	8.0	4.0	48	<0.050	<0.010	2.54	<0.5	<5
84-04-03	2.4	6.8	1.0	22	2.1	4.0	42	<0.050	<0.010	2.71	<0.5	<5
84-07-31	2.3	7.0	1.0	23	3.1	2.5	29	<0.050	<0.010	2.96	--	--
84-01-08	1.1	5.5	0.60	4.0	5.6	12	37	<0.050	<0.010	0.520	<0.5	<5
84-05-07	1.2	6.6	0.63	3.0	5.7	12	40	<0.050	<0.010	0.920	--	--
84-02-21	1.2	3.7	0.47	18	2.4	3.5	36	<0.050	<0.010	<0.100	<0.5	<5
84-06-17	1.3	3.9	0.50	19	2.8	4.5	38	0.050	<0.010	0.250	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
83-11-07	<20	<30	--	<10	--	--	50	<0.020
84-04-25	<20	<30	--	<100	--	<2	<20	<0.020
84-07-22	<20	<30	<5	30	<0.20	--	30	<0.020
84-02-07	<20	280	--	10	--	<2	<20	<0.020
84-06-05	20	250	<5	10	<0.20	--	<20	<0.020
83-11-06	<20	870	--	30	--	--	100	<0.020
84-03-28	40	900	--	30	--	<2	<20	<0.020
84-04-03	<20	940	--	30	--	<2	<20	<0.020
84-07-31	<20	910	<5	20	<0.20	--	<20	<0.020
84-01-08	90	550	--	20	--	<2	160	<0.020
84-05-07	40	540	<5	20	<0.20	--	<20	<0.020
84-02-21	<20	40	--	20	--	<2	20	<0.020
84-06-17	<20	<30	<5	10	<0.20	--	<20	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
410253071570801	S 51274	112GLCLU	83-10-17	55	195	6.0	1.5	33	7.0
		112GLCLU	84-02-27	55	170	6.0	0.81	30	6.7
		112GLCLU	84-06-25	55	202	6.0	2.5	35	6.6
410212071574401	S 51275	112GLCLU	83-10-12	178	165	6.3	0.13	54	3.5
		112GLCLU	84-02-27	178	98	6.1	0.43	18	3.9
		112GLCLU	84-06-25	178	160	6.1	0.30	40	4.1
404353073215801	S 51298	211MGTY	84-01-23	652	40	5.3	4.1	7	2.4
		211MGTY	84-06-06	652	24	5.2	3.1	8	1.6
404321073222602	S 51457	211MGTY	84-01-25	623	27	5.0	0.55	13	0.70
		211MGTY	84-05-16	623	24	4.3	0.45	8	0.60
404808073113302	S 51519	112GLCLU	83-11-17	408	48	6.0	0.31	16	3.5
		112GLCLU	84-04-24	408	50	6.9	0.29	19	3.7
		112GLCLU	84-08-22	408	52	6.8	0.89	24	4.7

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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
83-10-17	3.6	26	1.3	19	14	41	109	0.95	<0.010	<0.100	--	--
84-02-27	3.4	24	1.3	21	14	33	98	0.81	<0.010	<0.100	<0.5	<5
84-06-25	3.6	24	1.4	22	13	36	107	0.75	<0.010	<0.100	--	--
83-10-12	2.3	23	1.2	12	10	37	89	0.13	<0.010	<0.100	--	--
84-02-27	2.0	14	0.89	11	10	22	64	0.080	<0.010	<0.100	<0.5	<5
84-06-25	2.4	22	1.0	13	12	34	87	0.10	<0.010	<0.100	--	--
84-01-23	0.32	2.7	0.28	7.0	3.9	3.0	23	<0.050	<0.010	0.410	<0.5	<5
84-06-06	0.37	2.5	0.35	6.0	1.7	3.0	22	<0.050	<0.010	<0.100	--	--
84-01-25	0.21	3.3	0.35	6.0	<0.50	4.0	19	<0.050	<0.010	1.35	<0.5	<5
84-05-16	0.22	2.8	0.35	4.0	2.9	3.0	21	<0.050	<0.010	0.460	--	--
83-11-17	1.5	4.0	0.48	18	1.1	4.5	25	<0.050	<0.010	<0.100	--	--
84-04-24	1.6	4.0	0.49	19	1.7	4.5	37	<0.050	<0.010	<0.100	<0.5	<5
84-08-22	1.6	4.1	0.51	20	1.3	5.5	39	<0.050	<0.010	<0.100	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
83-10-17	50	690	--	250	--	--	<20	<0.020
84-02-27	70	600	--	140	--	<2	<20	<0.020
84-06-25	130	750	<5	160	<0.20	--	470	<0.020
83-10-12	<20	440	--	20	--	--	40	<0.020
84-02-27	<20	250	--	20	--	<2	100	<0.020
84-06-25	20	440	<5	20	<0.20	--	340	<0.020
84-01-23	30	350	--	<10	--	<2	40	<0.020
84-06-06	30	280	<5	10	<0.20	--	<20	<0.020
84-01-25	50	850	--	<10	--	<2	90	<0.020
84-05-16	30	740	<5	<10	<0.20	--	<20	<0.020
83-11-17	20	<30	--	<10	--	--	<20	<0.020
84-04-24	20	<30	--	<10	--	<2	<20	<0.020
84-08-22	<20	<30	<5	<10	<0.20	--	30	<0.020

WATER GUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404820073073403	S 51609	211MGTY	83-10-16	729	38	5.8	0.26	10	2.4
		211MGTY	84-03-05	729	42	5.8	0.50	31	3.3
		211MGTY	84-07-08	729	44	5.0	0.28	20	2.1
404225073193001	S 51673	211MGTY	83-11-14	760	20	4.6	0.63	4	0.60
		211MGTY	84-08-05	760	23	4.7	0.11	7	0.60
405607073021301	S 51953	112GLCLU	84-02-28	316	91	6.1	0.13	40	8.9
		112GLCLU	84-06-18	316	134	6.3	0.44	37	13
404612073055001	S 52126	112GLCLU	83-11-03	156	96	5.9	0.18	32	6.1
		112GLCLU	84-04-03	156	132	5.9	0.090	33	6.5
		112GLCLU	84-08-01	156	140	6.7	0.16	30	6.9
405407073001103	S 52451	112GLCLU	84-02-27	183	118	5.9	0.14	49	10
		112GLCLU	84-06-19	183	134	5.9	0.30	36	8.9
405354073021202	S 52490	211MGTY	84-02-20	554	48	6.4	0.18	20	4.4
		211MGTY	84-06-20	554	59	6.6	0.19	23	4.0

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)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)
83-10-16	0.93	3.4	0.47	11	2.6	3.5	27	<0.050	<0.010	0.400	--	--
84-03-05	0.87	4.0	0.47	15	3.3	4.5	35	<0.050	<0.010	0.440	<0.5	<5
84-07-08	0.87	4.6	0.49	13	4.0	4.0	33	<0.050	<0.010	1.44	--	--
83-11-14	0.37	2.3	0.31	3.0	2.5	2.0	18	<0.050	<0.010	<0.100	--	--
84-08-05	0.40	3.0	0.33	6.0	1.0	2.0	17	<0.050	<0.010	0.730	--	--
84-02-28	3.5	9.2	0.81	23	8.7	12	81	3.1	<0.010	<0.100	<0.5	<5
84-06-18	4.0	8.8	0.81	28	9.4	12	89	3.1	<0.010	<0.100	--	--
83-11-03	2.8	11	2.5	20	8.0	18	71	1.8	<0.010	0.100	--	--
84-04-03	2.8	13	1.9	19	7.2	20	80	1.5	<0.010	<0.100	<0.5	<5
84-08-01	3.0	13	2.4	21	8.3	22	85	1.5	0.010	<0.100	--	--
84-02-27	4.0	9.2	0.79	16	19	17	88	1.8	<0.010	<0.100	<0.5	<5
84-06-19	3.6	8.6	0.80	14	19	15	80	1.3	<0.010	<0.100	--	--
84-02-20	1.7	4.1	0.56	22	2.7	3.0	27	<0.050	<0.010	<0.100	<0.5	<5
84-06-20	1.8	4.1	0.57	15	2.5	3.5	35	0.050	<0.010	<0.100	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
83-10-16	380	540	--	20	--	--	290	<0.020
84-03-05	<20	580	--	30	--	<2	60	<0.020
84-07-08	20	530	<5	20	<0.20	--	20	<0.020
83-11-14	30	200	--	<10	--	--	<20	<0.020
84-08-05	<20	230	<5	<10	<0.20	--	20	<0.020
84-02-28	<20	60	--	40	--	<2	30	<0.020
84-06-18	<20	<30	<5	20	<0.20	--	160	<0.020
83-11-03	<20	60	--	30	--	--	40	<0.020
84-04-03	<20	<30	--	20	--	<2	<20	<0.020
84-08-01	<20	<20	<5	30	<0.20	--	<20	<0.020
84-02-27	40	50	--	30	--	<2	20	<0.020
84-06-19	30	<30	<5	20	<0.20	--	<20	<0.020
84-02-20	50	<30	--	<10	--	<2	<20	<0.020
84-06-20	20	<30	<5	10	<0.20	--	<20	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404905072565501	S 52944	112GLCLU	84-02-05	204	78	5.9	0.16	29	5.5
		112GLCLU	84-05-20	204	106	6.0	0.14	24	5.9
404905072565502	S 52945	112GLCLU	84-01-29	195	95	6.0	0.21	25	5.3
		112GLCLU	84-05-20	195	115	6.6	0.16	24	5.4
404756073025504	S 53074	112GLCLU	83-11-07	169	64	5.6	0.11	29	3.5
		112GLCLU	84-04-04	169	77	5.6	0.15	20	4.3
		112GLCLU	84-08-16	169	71	5.6	0.15	17	4.9
405002073022602	S 53291	112GLCLU	83-10-16	265	79	6.6	0.40	28	6.4
		112GLCLU	84-03-01	265	85	6.4	0.13	38	6.7
		112GLCLU	84-07-01	265	85	6.7	0.31	35	6.2
405032073162802	S 53360	211MGTY	84-02-21	703	49	6.5	0.12	15	4.1
		211MGTY	84-05-22	703	57	6.5	0.25	24	3.9
405133073155901	S 53361	211MGTY	84-01-26	521	41	5.8	0.12	32	2.5
		211MGTY	84-05-06	521	43	6.0	0.060	27	2.9

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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
84-02-05	2.6	9.0	0.81	8.0	10	15	60	1.1	<0.010	<0.100	<0.5	<5
84-05-20	2.8	8.5	0.84	13	8.9	15	63	0.95	<0.010	<0.100	--	--
84-01-29	2.4	10	1.0	12	6.1	19	64	0.59	<0.010	<0.100	<0.5	<5
84-05-20	2.5	10	1.0	11	10	19	67	0.58	<0.010	<0.100	--	--
83-11-07	1.7	5.7	1.0	9.0	--	9.5	45	1.3	<0.010	<0.100	--	--
84-04-04	1.9	6.2	0.86	10	7.1	10	51	1.1	<0.010	<0.100	<0.5	<5
84-08-16	1.9	5.6	0.78	10	6.9	8.5	49	1.1	<0.010	<0.100	--	--
83-10-16	2.7	4.8	0.63	22	7.7	5.0	41	0.75	<0.010	<0.100	--	--
84-03-01	2.7	4.7	0.48	23	8.3	6.0	56	0.82	<0.010	<0.100	<0.5	<5
84-07-01	2.8	4.9	0.62	23	8.1	5.0	54	0.81	<0.010	<0.100	--	--
84-02-21	1.4	3.9	0.50	16	0.70	3.0	29	1.1	<0.010	<0.100	<0.5	<5
84-05-22	1.5	3.9	0.54	18	0.60	3.5	36	1.0	<0.010	<0.100	--	--
84-01-26	0.95	3.6	0.47	12	1.1	1.5	24	0.75	0.030	<0.100	<0.5	<5
84-05-06	1.0	3.6	0.49	13	0.90	4.0	34	0.84	<0.010	<0.100	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
84-02-05	<20	<30	--	<10	--	<2	<20	<0.020
84-05-20	<20	<30	<5	<10	<0.20	--	70	<0.020
84-01-29	<20	<30	--	<10	--	<2	20	<0.020
84-05-20	<20	<30	<5	10	<0.20	--	130	<0.020
83-11-07	30	<30	--	40	--	--	150	<0.020
84-04-04	20	<30	--	30	--	<2	<20	<0.020
84-08-16	<20	<30	<5	20	<0.20	--	70	<0.020
83-10-16	<20	<30	--	<10	--	--	<20	<0.020
84-03-01	<20	<30	--	<10	--	<2	<20	<0.020
84-07-01	<20	<30	<5	<10	<0.20	--	<20	<0.020
84-02-21	<20	<30	--	<10	--	<2	<20	<0.020
84-05-22	<20	<30	<5	<10	<0.20	--	30	<0.020
84-01-26	<20	<30	--	<10	--	<2	40	<0.020
84-05-06	40	110	<5	10	<0.20	--	50	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404950073085001	S 53497	112GLCLU	83-10-24	173	104	5.5	0.25	28	5.4
		112GLCLU	84-03-18	173	108	6.0	0.10	27	6.1
		112GLCLU	84-07-10	173	122	5.7	0.14	36	5.9
404950073085002	S 53498	211MGTY	83-10-30	721	43	5.9	0.11	22	2.7
		211MGTY	84-03-18	721	57	6.3	0.14	20	4.3
		211MGTY	84-07-11	721	55	6.0	0.23	32	4.3
405230072430001	S 53522	112GLCLU	84-05-30	137	55	6.1	0.15	14	3.4
405124072353603	S 53593	112GLCLU	84-01-30	161	148	5.7	0.14	63	10
		112GLCLU	84-05-28	161	165	5.7	0.20	54	10
405140073191001	S 53747	211MGTY	84-01-20	453	79	5.5	0.12	31	5.0
		211MGTY	84-05-09	453	93	5.5	0.16	40	7.0
404914073095603	S 53850	112GLCLU	83-11-01	188	120	6.4	0.26	56	12
		112GLCLU	84-03-25	188	132	6.4	0.11	60	12
		112GLCLU	84-07-10	188	133	6.2	0.16	48	10

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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
83-10-24	2.1	12	1.2	14	10	16	69	2.5	<0.010	<0.100	--	--
84-03-18	2.4	11	1.1	14	12	15	76	2.3	<0.010	<0.100	<0.5	<5
84-07-10	2.4	11	1.2	15	9.6	16	69	2.6	<0.010	<0.100	--	--
83-10-30	0.97	4.5	0.72	16	2.9	5.0	27	<0.050	<0.010	<0.100	--	--
84-03-18	1.7	4.8	0.64	20	2.9	4.5	41	0.22	<0.010	<0.100	<0.5	<5
84-07-11	1.3	4.5	0.71	20	3.9	4.0	30	0.080	<0.010	<0.100	--	--
84-05-30	1.3	4.5	0.40	12	4.6	6.5	38	0.28	<0.010	<0.100	--	--
84-01-30	6.7	8.0	0.91	9.0	34	12	102	4.4	<0.010	<0.100	<0.5	<5
84-05-28	6.5	8.0	0.90	9.0	33	12	104	4.1	<0.010	<0.100	--	--
84-01-20	1.9	6.4	0.79	8.0	5.8	7.5	55	3.8	<0.010	<0.010	<0.5	<5
84-05-09	2.1	6.7	0.87	8.0	5.7	10	64	3.9	<0.010	<0.100	--	--
83-11-01	4.7	8.3	0.86	40	7.6	13	62	0.81	<0.010	<0.100	--	--
84-03-25	5.3	7.8	0.77	41	9.3	12	86	1.0	<0.010	<0.100	<0.5	<5
84-07-10	5.3	7.2	0.79	40	10	11	60	0.96	<0.010	<0.100	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
83-10-24	20	<30	--	70	--	--	30	<0.020
84-03-18	40	<30	--	40	--	<2	20	<0.020
84-07-10	40	<30	<5	70	<0.20	--	<20	<0.020
83-10-30	40	30	--	10	--	--	20	<0.020
84-03-18	30	<30	--	<10	--	<2	20	<0.020
84-07-11	<20	<30	<5	10	<0.20	--	140	<0.020
84-05-30	<20	<30	<5	<10	<0.20	--	60	<0.020
84-01-30	40	<30	--	10	--	<2	30	<0.020
84-05-28	130	<30	<5	<10	<0.20	--	<20	<0.020
84-01-20	70	<30	--	<10	--	<2	50	<0.020
84-05-09	50	120	<5	10	<0.20	--	60	<0.020
83-11-01	30	40	--	10	--	--	250	<0.020
84-03-25	20	<30	--	<10	--	<2	20	<0.020
84-07-10	30	<30	<5	<10	<0.20	--	20	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
405230072430002	S 53851	211MGTY	84-02-22	291	64	6.8	1.8	32	6.2
		211MGTY	84-05-30	291	63	6.2	5.1	20	4.2
405359073182801	S 54162	112GLCLU	83-10-21	543	165	6.4	0.13	55	13
		112GLCLU	84-03-06	543	200	6.2	0.12	66	16
		112GLCLU	84-07-11	543	191	6.4	0.26	62	15
404805073051502	S 54305	211MGTY	83-11-06	313	60	5.8	0.15	20	4.6
		211MGTY	84-04-05	313	70	5.7	0.45	19	4.4
		211MGTY	84-08-01	313	71	6.5	0.19	16	4.4
404759073122501	S 54308	211MGTY	84-05-14	797	32	5.4	0.20	24	1.6
405030073032103	S 54473	112GLCLU	83-10-10	312	106	7.1	0.26	40	9.4
		112GLCLU	84-03-01	312	121	6.8	0.16	76	10
		112GLCLU	84-07-02	312	123	6.9	0.16	61	11
404210073250202	S 54568	211MGTY	84-01-25	423	43	5.4	0.21	10	3.8
		211MGTY	84-05-01	423	78	5.5	0.23	20	4.9

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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
84-02-22	1.3	4.9	0.65	20	5.1	5.5	46	0.23	<0.010	<0.100	<0.5	<5
84-05-30	1.4	5.1	0.40	16	5.1	5.5	54	0.76	<0.010	<0.100	--	--
83-10-21	4.8	11	1.0	18	22	15	106	6.2	<0.010	<0.100	--	--
84-03-06	5.4	13	0.98	21	19	17	123	6.4	<0.010	<0.100	<0.5	<5
84-07-11	5.6	13	1.0	22	21	18	115	6.5	<0.010	<0.100	--	--
83-11-06	1.5	5.7	0.52	11	2.5	9.5	43	1.8	<0.010	<0.100	--	--
84-04-05	1.5	5.8	0.50	11	4.4	7.5	48	1.8	<0.010	<0.100	<0.5	<5
84-08-01	1.6	5.6	0.47	12	2.5	8.0	47	1.8	<0.010	<0.100	--	--
84-05-14	0.83	3.3	0.48	10	2.1	4.0	27	<0.050	<0.010	<0.100	--	--
83-10-10	3.6	6.2	0.69	31	5.3	9.0	51	1.3	<0.010	1.34	--	--
84-03-01	3.9	6.3	0.68	35	5.0	11	75	1.4	<0.010	0.500	<0.5	<5
84-07-02	4.0	6.8	0.72	34	5.6	10	75	1.4	<0.010	1.22	--	--
84-01-25	0.51	4.7	0.49	10	4.7	6.5	31	<0.050	<0.010	1.15	<0.5	<5
84-05-01	1.2	7.0	0.68	11	4.4	12	46	<0.050	<0.010	1.86	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
84-02-22	<20	110	--	<10	--	<2	<20	<0.020
84-05-30	<20	140	<5	10	<0.20	--	460	<0.020
83-10-21	<20	<30	--	<10	--	--	<20	<0.020
84-03-06	<20	<30	--	<10	--	<2	<20	<0.020
84-07-11	20	<30	<5	10	<0.20	--	140	<0.020
83-11-06	20	<30	--	<10	--	--	40	<0.020
84-04-05	<20	<30	--	<10	--	<2	<20	<0.020
84-08-01	20	<30	<5	<10	<0.20	--	30	<0.020
84-05-14	<20	<30	<5	10	<0.20	--	80	<0.020
83-10-10	<20	110	--	10	--	--	30	<0.020
84-03-01	<20	100	--	10	--	<2	60	<0.020
84-07-02	<20	140	<5	10	<0.20	--	70	<0.020
84-01-25	20	90	--	10	--	<2	80	<0.020
84-05-01	20	640	<5	20	<0.20	--	<20	<0.020

WATER GUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404722073030501	S 54730	211MGTY	83-11-08	259	58	5.3	0.23	17	3.9
		211MGTY	84-07-31	259	67	5.8	0.23	19	4.1
405332072242001	S 55028	112GLCLU	84-01-31	161	115	5.7	0.10	97	22
404458073182503	S 55463	211MGTY	84-02-15	360	32	5.7	7.1	10	2.7
		211MGTY	84-06-12	360	27	5.1	0.54	5	1.6
405410073010502	S 55502	211MGTY	84-02-22	597	48	6.9	0.68	32	5.0
		211MGTY	84-06-18	597	46	6.1	0.44	15	3.0
404326073174101	S 55733	211MGTY	83-10-03	233	86	5.5	1.0	24	4.9
		211MGTY	84-02-08	233	80	5.2	0.52	38	5.1
		211MGTY	84-06-05	233	110	5.5	0.30	22	5.3
405014072492501	S 56038	112GLCLU	84-02-05	158	130	5.8	0.11	47	12
		112GLCLU	84-05-20	158	155	5.9	0.17	54	12

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)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)
83-11-08	1.6	4.3	0.38	10	7.8	8.0	36	<0.050	<0.010	<0.100	--	--
84-07-31	1.7	5.2	0.46	10	9.3	9.0	45	<0.050	<0.010	<0.100	--	--
84-01-31	7.2	10	2.3	13	43	21	145	6.1	<0.010	<0.100	<5	<5
84-02-15	0.53	2.6	0.39	10	2.7	3.0	22	<0.050	<0.010	--	<0.5	<5
84-06-12	0.42	3.1	0.33	7.0	1.9	3.5	--	<0.050	<0.010	<0.100	--	--
84-02-22	1.2	4.0	0.57	19	2.4	3.5	38	0.070	<0.010	<0.100	<0.5	<5
84-06-18	1.1	3.5	0.44	15	2.3	4.5	33	0.070	<0.010	<0.100	--	--
83-10-03	1.8	9.5	0.61	10	15	12	55	<0.050	<0.010	1.00	--	--
84-02-08	2.0	10	0.71	9.0	17	13	62	<0.050	<0.010	<0.100	<0.5	<5
84-06-05	2.1	10	0.58	8.0	19	13	65	<0.050	<0.010	0.850	--	--
84-02-05	4.6	7.5	0.71	20	22	10	--	2.8	<0.010	<0.100	<0.5	<5
84-05-20	5.0	7.1	0.68	19	29	10	98	2.9	<0.010	<0.100	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
83-11-08	40	220	--	10	--	--	20	<0.020
84-07-31	<20	240	<5	20	<0.20	--	50	<0.020
84-01-31	<20	<30	--	20	--	<2	60	<0.020
84-02-15	<20	240	--	10	--	<2	<20	<0.020
84-06-12	<20	320	<5	30	<0.20	--	180	<0.020
84-02-22	<20	230	--	30	--	<2	60	<0.020
84-06-18	<20	<30	<5	10	<0.20	--	<20	<0.020
83-10-03	70	990	--	60	--	--	20	<0.020
84-02-08	30	1300	--	60	--	<2	<20	<0.020
84-06-05	50	1300	<5	60	<0.20	--	<20	<0.020
84-02-05	20	<30	--	<10	--	<2	<20	<0.020
84-05-20	20	<30	<5	<10	<0.20	--	20	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
405434073194202	S 56133	112GLCLU	83-10-19	333	148	6.5	0.20	52	11
		112GLCLU	84-03-06	333	160	6.4	0.13	54	13
		112GLCLU	84-07-10	333	148	6.4	0.18	53	12
404950073001501	S 56674	112GLCLU	84-01-30	179	--	6.3	0.23	42	8.3
		112GLCLU	84-07-11	179	102	6.0	0.28	32	7.7
404658073164201	S 57008	211MGTY	84-02-02	635	93	5.4	0.14	44	7.2
		211MGTY	84-06-18	635	130	5.6	0.15	48	8.9
405126073273803	S 57354	112GLCLU	83-11-27	257	25	5.5	0.14	9	2.3
		112GLCLU	84-04-24	257	41	6.5	0.19	16	2.3
		112GLCLU	84-08-16	257	37	5.5	0.22	22	2.0
410249072554501	S 57357	112GLCLU	83-10-18	93	300	6.1	0.17	54	10
		112GLCLU	84-02-28	93	180	5.9	0.11	41	10
		112GLCLU	84-06-25	93	290	6.0	0.28	65	13

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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
83-10-19	4.8	8.8	0.95	33	6.2	12	77	4.7	<0.010	<0.100	--	--
84-03-06	5.1	8.9	1.0	33	6.1	12	96	4.6	<0.010	<0.100	<0.5	<5
84-07-10	5.1	8.6	1.0	34	7.6	12	78	4.4	<0.010	<0.100	--	--
84-01-30	3.0	6.1	0.79	21	7.0	8.0	55	2.6	<0.010	<0.100	<0.5	<5
84-07-11	3.0	6.2	0.85	20	10	7.0	66	2.0	<0.010	<0.100	--	--
84-02-02	2.8	5.0	0.73	10	21	6.0	56	0.61	<0.010	0.100	<0.5	<5
84-06-18	3.7	6.1	0.57	10	32	7.5	78	0.70	<0.010	<0.100	--	--
83-11-27	0.73	4.1	0.48	8.0	<0.50	4.5	28	1.2	<0.010	<0.100	--	--
84-04-24	0.79	4.1	0.44	10	0.60	4.5	33	1.2	<0.010	<0.100	<0.5	<5
84-08-16	0.77	4.1	0.44	11	0.50	4.5	33	1.2	<0.010	<0.100	--	--
83-10-18	6.5	41	1.6	27	9.6	76	157	0.23	0.010	<0.100	--	--
84-02-28	4.9	23	1.3	28	7.4	42	101	0.26	<0.010	<0.100	<0.5	<5
84-06-25	6.2	36	1.5	30	10	71	167	0.22	<0.010	<0.100	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
83-10-19	20	<30	--	<10	--	--	40	<0.020
84-03-06	<20	<30	--	<10	--	<2	<20	<0.020
84-07-10	20	<30	<5	<10	<0.20	--	20	<0.020
84-01-30	<20	<30	--	<10	--	<2	<20	<0.020
84-07-11	<20	<30	<5	20	<0.20	--	30	<0.020
84-02-02	60	<30	--	<10	--	<2	<20	<0.020
84-06-18	40	<30	<5	10	<0.20	--	<20	<0.020
83-11-27	<20	<30	--	<10	--	--	20	<0.020
84-04-24	<10	<30	--	<10	--	<2	<20	<0.020
84-08-16	<20	<30	<5	<10	<0.20	--	<20	<0.020
83-10-18	<20	<30	--	<10	--	--	20	<0.020
84-02-28	<20	30	--	<10	--	<2	110	<0.020
84-06-25	20	40	<5	10	<0.20	--	240	<0.020

WATER GUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404612073055002	S 57871	112GLCLU	83-11-07	158	106	6.1	0.21	33	6.6
		112GLCLU	84-04-04	158	132	6.0	0.13	38	7.6
		112GLCLU	84-08-02	158	138	6.0	0.25	28	6.5
405614073051501	S 57979	211MGTY	84-02-23	582	34	6.1	0.14	8	1.8
		211MGTY	84-06-21	582	31	6.0	0.15	7	1.2
405514073050103	S 57980	211MGTY	84-02-09	703	33	6.2	0.16	10	2.0
		211MGTY	84-06-13	703	36	6.3	0.19	12	2.0
404938073152701	S 58708	211MGTY	84-01-21	423	38	5.3	0.20	7	1.5
		211MGTY	84-05-07	423	33	5.4	0.17	10	1.5
405342073030701	S 58761	112GLCLU	83-10-31	723	34	6.7	0.10	18	3.7
		112GLCLU	84-03-28	723	33	6.5	0.16	12	3.1
		112GLCLU	84-07-26	723	43	7.1	0.23	15	4.2
404419073171601	S 59347	211MGTY	84-02-06	463	37	5.8	1.1	23	2.0
		211MGTY	84-05-06	463	42	5.9	1.4	11	1.9

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)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)
83-11-07	2.6	13	2.8	20	9.2	21	72	1.4	<0.010	0.140	--	--
84-04-04	2.4	12	2.1	23	7.1	18	80	1.3	<0.010	<0.100	<0.5	<5
84-08-02	2.7	14	2.1	21	8.6	23	85	1.2	<0.010	<0.100	--	--
84-02-23	0.84	3.5	0.37	11	1.9	4.5	29	0.13	<0.010	<0.100	<0.5	<5
84-06-21	0.65	3.1	0.33	11	1.0	4.0	26	<0.050	<0.010	<0.100	--	--
84-02-09	0.90	3.2	0.39	12	0.70	4.0	28	<0.050	<0.010	<0.100	<0.5	<5
84-06-13	0.96	3.2	0.42	13	2.4	3.5	30	0.12	<0.010	<0.100	--	--
84-01-21	0.53	3.5	0.46	9.0	<0.50	2.5	22	0.70	<0.010	<0.100	<0.5	<5
84-05-07	0.59	3.5	0.42	8.0	<0.50	3.5	27	0.73	<0.010	<0.100	--	--
83-10-31	1.0	3.3	0.46	16	1.9	4.5	26	0.15	<0.010	<0.100	--	--
84-03-28	0.70	2.7	0.51	13	<0.50	2.5	27	0.12	<0.010	<0.100	<0.5	<5
84-07-26	1.1	3.3	0.42	15	1.7	5.0	27	0.16	<0.010	0.110	--	--
84-02-06	1.2	3.4	0.81	13	3.2	2.5	23	<0.050	<0.010	0.390	<0.5	<5
84-05-06	1.2	3.2	0.56	13	3.1	3.0	30	<0.050	<0.010	0.110	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
83-11-07	<20	80	--	240	--	--	20	<0.020
84-04-04	<20	<30	--	110	--	<2	<20	<0.020
84-08-02	<20	<30	<5	240	<0.20	--	<20	<0.020
84-02-23	40	30	--	<10	--	<2	<20	<0.020
84-06-21	60	<30	<5	10	<0.20	--	<20	<0.020
84-02-09	50	<30	--	<10	--	<2	<20	<0.020
84-06-13	20	<30	<5	10	<0.20	--	30	<0.020
84-01-21	<20	70	--	<10	--	<2	30	<0.020
84-05-07	30	<30	<5	<10	<0.20	--	<20	<0.020
83-10-31	<20	<30	--	10	--	--	40	<0.020
84-03-28	<20	<30	--	<10	--	<2	40	<0.020
84-07-26	<20	<30	<5	<10	<0.20	--	<20	<0.020
84-02-06	<20	440	--	10	--	<2	<20	<0.020
84-05-06	<20	370	<5	20	<0.20	--	20	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404722073030502	S 59744	211MGTY	83-11-06	301	51	5.9	0.76	14	3.0
		211MGTY	84-04-05	301	55	5.8	0.83	19	3.7
		211MGTY	84-08-01	301	52	6.6	0.26	15	4.0
404949073042802	S 60127	211MGTY	83-10-17	490	50	6.3	0.22	18	3.4
		211MGTY	84-03-04	490	76	6.2	0.19	15	3.7
		211MGTY	84-07-01	490	54	6.4	0.26	14	3.6
404542073013301	S 60486	211MGTY	83-11-06	370	40	6.1	0.43	15	4.0
		211MGTY	84-04-12	370	55	5.8	--	19	4.4
		211MGTY	84-08-09	370	51	6.0	2.0	25	4.0
404524073044801	S 60812	211MGTY	83-11-07	489	46	6.1	0.84	15	3.0
		211MGTY	84-04-09	489	54	5.9	0.19	12	3.2
		211MGTY	84-08-31	489	49	6.2	0.55	15	3.0
405607073021302	S 61910	112GLCLU	84-02-27	315	108	6.5	0.13	45	10
		112GLCLU	84-06-20	315	132	6.4	0.26	41	10

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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
83-11-06	1.3	3.5	0.34	10	6.9	5.0	30	<0.050	<0.010	<0.100	--	--
84-04-05	1.4	4.0	0.44	10	7.3	5.5	37	<0.050	<0.010	<0.100	<0.5	<5
84-08-01	1.4	3.7	0.38	11	7.7	5.5	38	<0.050	<0.010	<0.100	--	--
83-10-17	1.3	4.3	0.46	16	0.60	4.0	27	0.69	<0.010	<0.100	--	--
84-03-04	1.3	4.5	0.37	17	1.4	5.0	40	0.94	<0.010	<0.100	<0.5	<5
84-07-01	1.3	4.5	0.47	16	2.1	4.5	39	0.77	<0.010	<0.100	--	--
83-11-06	0.92	3.8	0.74	15	4.7	4.5	29	<0.050	<0.010	0.270	--	--
84-04-12	0.98	3.7	0.70	18	4.2	3.0	37	<0.050	<0.010	0.880	<0.5	<5
84-08-09	0.96	3.6	0.70	18	5.2	3.0	28	<0.050	<0.010	0.240	--	--
83-11-07	1.4	3.9	0.36	15	3.2	3.0	25	<0.050	<0.010	0.610	--	--
84-04-09	1.5	4.5	0.38	15	2.5	3.5	34	<0.050	<0.010	1.92	<0.5	<5
84-08-31	1.5	4.0	0.35	16	2.7	3.5	34	<0.050	<0.010	1.19	--	--
84-02-27	3.7	7.9	0.77	30	10	10	81	2.3	<0.010	<0.100	<0.5	<5
84-06-20	3.8	7.8	7.8	29	10	11	82	2.3	<0.010	0.100	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
83-11-06	30	260	--	10	--	--	<20	<0.020
84-04-05	<20	290	--	20	--	<2	<20	<0.020
84-08-01	30	300	<5	20	<0.20	--	30	<0.020
83-10-17	<20	<30	--	<10	--	--	20	<0.020
84-03-04	<20	<30	--	<10	--	<2	40	<0.020
84-07-01	<20	<30	<5	<10	<0.20	--	30	<0.020
83-11-06	<20	390	--	20	--	--	70	<0.020
84-04-12	<20	300	--	<10	--	<2	<20	<0.020
84-08-09	<20	350	<5	<10	<0.20	--	<20	<0.020
83-11-07	<20	550	--	20	--	--	40	<0.020
84-04-09	<20	530	--	20	--	<2	<20	<0.020
84-08-31	<20	530	<5	20	<0.20	--	<20	<0.020
84-02-27	<20	60	--	40	--	<2	60	<0.020
84-06-20	<20	<30	<5	10	<0.20	--	<20	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)	PE-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)
404717072595604	S 62022	112GLCLU	84-01-26	313	45	6.1	0.28	42	4.3
		112GLCLU	84-05-20	313	54	6.2	0.17	15	4.1
405147073064801	S 62240	211MGTY	83-10-25	652	68	6.9	0.34	44	6.6
		211MGTY	84-07-11	652	173	6.4	0.16	60	16
405919072170202	S 62855	112GLCLU	83-10-16	171	68	6.1	0.15	14	3.1
		112GLCLU	84-05-29	171	64	7.0	0.15	30	6.0
404202073242302	S 63205	211MGTY	84-01-17	419	31	4.8	0.18	8	1.2
404950073001502	S 63256	112GLCLU	84-02-05	175	64	6.4	0.16	25	7.0
		112GLCLU	84-07-09	175	82	6.5	0.16	28	7.0
404415073114001	S 63618	211MGTY	84-02-07	463	21	5.1	0.36	10	0.50
		211MGTY	84-06-05	463	26	5.5	0.59	4	0.50
405053073150901	S 63966	211MGTY	84-02-08	653	62	7.1	0.27	46	6.5
		211MGTY	84-06-12	653	65	7.0	0.25	22	7.5

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)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)
84-01-26	1.2	3.7	0.39	18	1.3	5.0	29	0.50	<0.010	<0.100	<0.5	<5
84-05-20	1.3	3.6	0.36	15	1.7	5.0	37	0.58	<0.010	<0.100	--	--
83-10-25	1.0	4.7	0.51	28	2.0	2.0	28	0.050	<0.010	4.38	--	--
84-07-11	3.6	13	1.3	35	15	13	94	4.2	<0.010	1.71	--	--
83-10-16	1.2	6.4	0.50	12	5.1	8.0	35	<0.050	<0.010	<0.100	--	--
84-05-29	1.3	6.3	0.48	12	5.6	8.0	44	<0.050	<0.010	<0.100	--	--
84-01-17	0.57	3.1	0.56	3.0	6.0	5.0	24	<0.050	<0.010	<0.100	<0.5	<5
84-02-05	2.2	4.2	0.40	24	6.0	5.5	38	0.61	<0.010	<0.100	<0.5	<5
84-07-09	2.5	4.5	0.44	23	8.7	5.0	54	0.54	<0.010	<0.100	--	--
84-02-07	0.29	3.1	0.59	7.0	<0.50	3.0	18	<0.050	<0.010	<0.100	<0.5	<5
84-06-05	0.29	3.5	0.51	7.0	2.0	2.0	22	<0.050	<0.010	0.590	--	--
84-02-08	1.2	3.9	0.53	27	0.70	2.5	28	0.60	<0.010	--	<0.5	<5
84-06-12	1.2	4.3	0.55	22	0.70	4.5	44	0.68	<0.010	<0.100	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
84-01-26	<20	<30	--	<10	--	<2	<20	<0.020
84-05-20	<20	<30	<5	<10	<0.20	--	<20	<0.020
83-10-25	30	90	--	20	--	--	<20	<0.020
84-07-11	20	<30	<5	20	<0.20	--	120	<0.020
83-10-16	40	<30	--	<10	--	--	<20	<0.020
84-05-29	<20	40	<5	<10	<0.20	--	60	<0.020
84-01-17	60	230	--	10	--	<2	<20	<0.020
84-02-05	<20	<30	--	<10	--	<2	<20	<0.020
84-07-09	<20	<30	<5	<10	<0.20	--	<20	<0.020
84-02-07	30	300	--	<10	--	<2	<20	<0.020
84-06-05	30	530	<5	10	<0.20	--	20	<0.020
84-02-08	<20	50	--	<10	--	<2	<20	<0.020
84-06-12	<20	30	<5	10	<0.20	--	50	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
405652072590003	S 64023	211MGTY	83-10-02	794	77	6.5	0.31	21	3.9
		211MGTY	84-02-15	794	49	6.5	0.11	16	4.5
		211MGTY	84-06-19	794	63	6.2	0.26	24	4.2
405301073153203	S 64062	211MGTY	84-01-26	639	44	6.0	0.45	18	3.1
		211MGTY	84-05-03	639	31	5.2	0.16	7	1.7
404932073060801	S 64609	112GLCLU	83-10-25	373	90	5.8	0.15	37	7.7
		112GLCLU	84-03-18	373	110	6.3	0.11	35	9.0
		112GLCLU	84-07-10	373	118	5.8	0.21	49	8.2
404941072372208	S 64716	112GLCLU	84-01-30	50	80	5.8	0.36	28	5.7
404505073131702	S 64847	211MGTY	83-11-17	634	23	5.2	0.22	5	0.50
		211MGTY	84-04-15	634	25	5.4	0.41	15	0.50
		211MGTY	84-08-14	634	26	5.5	0.45	4	0.70
404352073215801	S 65505	211MGTY	84-01-25	650	22	5.0	5.0	9	0.80
		211MGTY	84-04-25	650	22	5.4	3.5	10	0.80

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)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)
83-10-02	1.7	4.8	0.61	23	1.6	4.5	28	0.050	<0.010	<0.100	--	--
84-02-15	1.7	4.7	0.56	23	1.6	4.0	28	<0.050	<0.010	<0.100	<0.5	<5
84-06-19	1.8	4.7	0.58	24	1.2	4.0	40	0.050	<0.010	<0.100	--	--
84-01-26	0.82	4.3	0.45	12	<0.50	6.5	28	0.69	<0.010	<0.100	<0.5	<5
84-05-03	0.54	3.7	0.42	7.0	0.60	5.0	27	0.48	<0.010	<0.100	--	--
83-10-25	3.1	8.8	0.76	25	6.0	11	62	3.1	<0.010	<0.100	--	--
84-03-18	3.2	8.5	0.69	25	5.8	10	75	2.9	<0.010	<0.100	<0.5	<5
84-07-10	3.4	8.8	0.80	27	6.4	10	62	3.1	<0.010	<0.100	--	--
84-01-30	2.4	5.6	0.88	18	9.2	8.5	49	1.2	<0.010	<0.100	<0.5	<5
83-11-17	0.62	2.9	0.53	6.0	2.3	2.5	19	<0.050	<0.010	<0.100	--	--
84-04-15	0.64	2.9	0.52	8.0	2.4	4.0	25	<0.050	<0.010	<0.100	<0.5	<5
84-08-14	0.64	3.1	0.54	8.0	1.5	2.5	23	<0.050	<0.010	<0.100	--	--
84-01-25	0.33	2.2	0.26	5.0	1.7	3.0	18	<0.050	<0.010	<0.100	<0.5	<5
84-04-25	0.33	3.5	0.43	5.0	1.6	3.0	22	<0.050	<0.010	2.37	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
83-10-02	30	<30	--	<10	--	--	30	<0.020
84-02-15	30	<30	--	<10	--	<2	30	<0.020
84-06-19	40	<30	<5	<10	<0.20	--	<20	<0.020
84-01-26	20	<30	--	<10	--	<2	40	<0.020
84-05-03	30	90	<5	<10	<0.20	--	20	<0.020
83-10-25	<20	<30	--	<10	--	--	30	<0.020
84-03-18	40	<30	--	<10	--	<2	<20	<0.020
84-07-10	40	<30	<5	10	<0.20	--	70	<0.020
84-01-30	90	190	--	100	--	<2	50	<0.020
83-11-17	20	110	--	<10	--	--	<20	<0.020
84-04-15	<20	220	--	<10	--	<2	<20	<0.020
84-08-14	<20	170	<5	<10	<0.20	--	20	<0.020
84-01-25	30	530	--	<10	--	<2	70	<0.020
84-04-25	20	470	<5	<10	<0.20	--	<20	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404759073122502	S 65766	211MGTY	84-02-06	795	35	5.4	0.16	12	2.0
		211MGTY	84-05-09	795	32	5.7	0.24	17	1.7
404946072405601	S 65905	112GLCLU	84-01-31	161	104	5.8	0.21	27	3.8
		112GLCLU	84-05-30	161	138	6.3	0.20	32	5.8
404722073030504	S 66183	211MGTY	83-11-07	543	41	5.9	0.25	11	3.0
		211MGTY	84-04-04	543	45	5.8	0.35	16	3.1
		211MGTY	84-07-31	543	43	6.0	0.30	16	3.9
404722073030505	S 66184	211MGTY	83-11-03	384	42	5.8	0.24	14	2.8
		211MGTY	84-04-03	384	45	6.3	0.16	14	3.2
		211MGTY	84-07-30	384	45	6.2	0.28	14	3.4
405158073254801	S 66366	112GLCLU	83-12-05	479	153	6.0	0.18	49	11
		112GLCLU	84-04-20	479	191	6.1	0.14	52	12
		112GLCLU	84-08-21	479	173	6.1	0.22	55	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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
84-02-06	0.96	3.4	0.46	12	2.8	4.0	31	0.18	<0.010	<0.100	<0.5	<5
84-05-09	0.85	3.0	0.38	10	2.1	4.0	27	<0.050	<0.010	<0.100	--	--
84-01-31	1.5	15	0.75	10	6.4	27	66	0.24	<0.010	<0.100	<0.5	<5
84-05-30	1.7	17	0.81	11	8.9	30	82	0.30	<0.010	<0.100	--	--
83-11-07	0.83	3.9	0.40	11	4.6	3.0	26	<0.050	<0.010	1.24	--	--
84-04-04	0.84	4.0	0.35	11	5.3	3.0	32	<0.050	<0.010	1.12	<0.5	<5
84-07-31	0.87	3.9	0.48	12	4.8	3.0	33	<0.050	<0.010	0.430	--	--
83-11-03	1.0	4.1	0.45	12	4.6	4.0	27	<0.050	<0.010	0.890	--	--
84-04-03	1.1	3.6	0.37	12	3.9	3.5	32	<0.050	<0.010	0.760	<0.5	<5
84-07-30	1.1	3.7	0.44	13	4.4	3.0	33	<0.050	<0.010	0.620	--	--
83-12-05	4.3	13	1.1	16	4.9	34	96	3.5	<0.010	<0.100	--	--
84-04-20	5.4	13	1.1	17	5.3	37	111	3.6	0.020	<0.100	<0.5	<5
84-08-21	5.0	13	1.1	19	5.9	32	106	3.5	<0.010	<0.100	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
84-02-06	<20	30	--	10	--	<2	30	<0.020
84-05-09	20	50	<5	<10	<0.20	--	240	<0.020
84-01-31	<20	<30	--	10	--	<2	<20	<0.020
84-05-30	<20	50	<5	20	<0.20	--	160	<0.020
83-11-07	20	670	--	30	--	--	120	<0.020
84-04-04	<20	650	--	20	--	<2	<20	<0.020
84-07-31	<20	710	<5	20	<0.20	--	60	<0.020
83-11-03	40	300	--	50	--	--	150	<0.020
84-04-03	<20	350	--	50	--	<2	<20	<0.020
84-07-30	40	380	<5	40	<0.20	--	100	<0.020
83-12-05	20	<30	--	<10	--	--	<20	<0.020
84-04-20	40	<30	--	<10	--	<2	20	<0.020
84-08-21	20	<30	<5	<10	<0.20	--	30	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404326073174103	S 66429	211MGTY	83-10-04	718	23	5.6	9.5	8	1.1
		211MGTY	84-02-08	718	23	5.3	0.51	15	1.6
		211MGTY	84-06-05	718	25	5.4	0.19	5	1.0
405058073050901	S 66496	211MGTY	83-10-11	793	45	6.3	0.26	17	3.0
		211MGTY	84-03-05	793	41	6.2	0.21	22	3.1
		211MGTY	84-07-08	793	49	5.3	0.25	14	2.8
404156073212201	S 66657	211MGTY	83-11-15	551	25	4.9	0.11	6	0.70
		211MGTY	84-04-04	551	25	5.0	0.11	10	1.7
		211MGTY	84-08-05	551	25	4.9	0.30	16	2.6
405814072100801	S 66733	211MGTY	83-10-16	607	109	6.8	0.14	32	6.2
		211MGTY	84-02-27	607	98	7.8	0.16	30	7.0
		211MGTY	84-06-25	607	120	6.6	0.41	30	7.3
405248073142801	S 66758	211MGTY	84-01-21	575	25	5.4	0.16	29	1.5
		211MGTY	84-05-03	575	27	5.3	0.15	7	1.5

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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
83-10-04	0.51	2.4	0.35	8.0	0.90	3.0	18	<0.050	<0.010	<0.100	--	--
84-02-08	0.52	2.5	0.50	9.0	1.4	3.5	20	<0.050	<0.010	<0.100	<0.5	<5
84-06-05	0.52	2.3	0.30	7.0	1.7	4.0	23	<0.050	<0.010	<0.100	--	--
83-10-11	1.4	3.8	0.55	17	1.9	4.0	26	0.16	<0.010	<0.100	--	--
84-03-05	1.4	3.7	0.38	17	1.4	4.5	35	0.19	<0.010	<0.100	<0.5	<5
84-07-08	1.4	4.0	0.53	17	2.1	4.0	35	0.15	<0.010	<0.100	--	--
83-11-15	0.42	3.3	0.41	4.0	2.2	2.0	19	<0.050	<0.010	0.990	--	--
84-04-04	0.45	3.1	0.41	6.0	0.70	2.5	19	<0.050	<0.010	0.740	<0.5	<5
84-08-05	0.48	2.8	0.40	5.0	1.4	2.5	20	<0.050	<0.010	0.410	--	--
83-10-16	3.0	9.8	0.79	21	5.1	14	60	2.3	<0.010	0.100	--	--
84-02-27	3.2	9.6	0.64	21	6.3	13	61	2.4	<0.010	0.160	<0.5	<5
84-06-25	3.3	9.8	0.72	23	7.6	13	76	2.3	<0.010	0.120	--	--
84-01-21	0.43	3.1	0.38	7.0	4.6	1.0	23	0.36	<0.010	<0.100	<0.5	<5
84-05-03	0.48	2.9	0.38	8.0	0.60	4.0	25	0.31	<0.010	<0.100	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
83-10-04	50	--	--	60	--	--	<20	<0.020
84-02-08	<20	530	--	20	--	<2	90	<0.020
84-06-05	60	270	<5	10	<0.20	--	20	<0.020
83-10-11	<20	150	--	10	--	--	<20	<0.020
84-03-05	20	130	--	10	--	<2	<20	<0.020
84-07-08	<20	140	<5	<10	<0.20	--	<20	<0.020
83-11-15	<20	420	--	20	--	--	60	<0.020
84-04-04	20	480	--	<10	--	<2	50	<0.020
84-08-05	<20	550	<5	20	<0.20	--	50	<0.020
83-10-16	<20	<30	--	10	--	--	30	<0.020
84-02-27	<20	<30	--	<10	--	<2	<20	<0.020
84-06-25	30	<30	<5	<10	<0.20	--	90	<0.020
84-01-21	50	<30	--	<10	--	<2	<20	<0.020
84-05-03	80	<30	<5	<10	<0.20	--	<20	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
405333072241701	S 66825	211MGTY	84-01-30	385	90	6.0	0.65	43	6.8
		211MGTY	84-05-28	385	117	5.9	0.16	38	6.5
405002073022604	S 66881	112GLCLU	83-10-17	278	62	6.7	0.24	20	4.8
		112GLCLU	84-03-04	278	65	6.7	0.16	29	5.6
		112GLCLU	84-07-08	278	66	5.5	0.22	20	4.7
404632073070802	S 67074	211MGTY	83-10-16	830	49	5.9	0.40	41	2.4
		211MGTY	84-03-01	830	54	6.0	0.26	33	2.8
		211MGTY	84-07-11	830	55	5.8	0.26	16	2.6
404652073120301	S 67197	211MGTY	83-11-22	763	26	5.6	0.75	15	1.1
		211MGTY	84-04-16	763	31	5.7	2.0	9	1.2
		211MGTY	84-08-12	763	31	5.9	2.0	15	1.3
405309073223403	S 67656	211MGTY	83-12-04	504	40	6.0	0.28	12	4.0
		211MGTY	84-04-25	504	46	6.2	0.11	27	3.5
		211MGTY	84-08-22	504	45	6.4	0.11	34	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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
84-01-30	2.9	9.2	0.58	15	17	13	71	0.62	<0.010	<0.100	<0.5	<5
84-05-28	3.0	9.1	0.54	15	18	12	71	0.68	<0.010	<0.100	--	--
83-10-17	2.0	4.4	0.54	18	6.3	4.0	34	0.24	<0.010	<0.100	--	--
84-03-04	2.0	4.1	0.39	18	6.9	4.5	45	0.24	<0.010	<0.100	<0.5	<5
84-07-08	2.0	4.3	0.52	19	8.2	4.5	46	0.26	<0.010	<0.100	--	--
83-10-16	1.3	5.2	0.77	16	2.2	3.5	26	<0.050	<0.010	1.65	--	--
84-03-01	1.4	5.1	0.70	18	3.7	4.5	38	<0.050	<0.010	1.11	<0.5	<5
84-07-11	1.4	6.4	0.73	18	4.0	4.0	39	<0.050	<0.010	2.32	--	--
83-11-22	0.82	3.0	0.38	10	2.1	4.5	22	<0.050	<0.010	<0.100	--	--
84-04-16	0.92	2.9	0.37	9.0	2.2	3.0	25	<0.050	<0.010	<0.100	<0.5	<5
84-08-12	0.88	3.0	0.43	12	2.4	2.0	20	<0.050	<0.010	<0.100	--	--
83-12-04	1.0	4.0	0.40	15	<0.50	3.5	27	0.77	<0.010	<0.100	--	--
84-04-25	1.1	4.2	0.56	17	1.2	4.0	38	0.84	<0.010	<0.100	<0.5	<5
84-08-22	1.1	4.1	0.47	19	<0.50	4.0	37	0.77	<0.010	<0.100	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
84-01-30	<20	170	--	170	--	<2	130	<0.020
84-05-28	<20	200	<5	170	<0.20	--	30	<0.020
83-10-17	<20	<30	--	<10	--	--	40	<0.020
84-03-04	<20	<30	--	<10	--	<2	50	<0.020
84-07-08	<20	<30	<5	<10	<0.20	--	70	<0.020
83-10-16	<20	780	--	30	--	--	20	<0.020
84-03-01	<20	740	--	30	--	<2	20	<0.020
84-07-11	<20	740	<5	20	<0.20	--	<20	<0.020
83-11-22	<20	510	--	10	--	--	<20	<0.020
84-04-16	<20	600	--	10	--	<2	<20	<0.020
84-08-12	<20	530	<5	<10	<0.20	--	<20	<0.020
83-12-04	50	30	--	<10	--	--	40	<0.020
84-04-25	<20	<30	--	<10	--	<2	40	<0.020
84-08-22	<20	<30	<5	<10	<0.20	--	<20	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
405419072232901	S 67819	211MGTY	84-01-31	284	81	5.9	0.33	46	4.5
		211MGTY	84-05-29	284	90	5.9	0.16	35	4.5
405016073090201	S 67925	211MGTY	83-10-26	384	61	6.5	0.17	51	4.4
		211MGTY	84-03-26	384	67	6.7	0.11	60	6.0
		211MGTY	84-07-10	384	72	6.8	0.14	37	6.3
405619073004901	S 68230	112GLCLU	84-02-22	600	125	6.5	0.16	49	12
		112GLCLU	84-06-24	600	156	6.4	0.21	57	14
404612073055003	S 68552	211MGTY	83-11-03	838	41	6.0	1.8	21	3.0
		211MGTY	84-04-05	838	53	5.9	1.4	26	3.4
		211MGTY	84-08-09	838	54	6.0	0.49	15	4.4
404912073033303	S 68666	112GLCLU	83-10-10	274	114	6.3	0.16	36	8.0
		112GLCLU	84-02-29	274	126	6.0	0.16	45	8.8
		112GLCLU	84-07-11	274	123	6.0	0.21	45	9.0

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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
84-01-31	1.9	8.2	0.57	15	9.7	12	47	<0.050	<0.010	<0.100	<0.5	<5
84-05-29	2.0	8.0	0.53	14	10	11	54	<0.050	<0.010	<0.100	--	--
83-10-26	2.2	3.8	0.37	22	1.5	4.0	30	0.64	<0.010	<0.100	--	--
84-03-26	2.7	4.1	0.35	25	4.2	4.5	50	0.81	<0.010	<0.100	<0.5	<5
84-07-10	2.7	4.1	0.36	30	1.1	5.0	34	0.84	<0.010	<0.100	--	--
84-02-22	4.0	5.6	0.72	17	15	7.5	91	5.9	<0.010	<0.100	<0.5	<5
84-06-24	4.5	5.7	0.76	17	13	10	94	5.8	<0.010	<0.100	--	--
83-11-03	1.5	5.3	0.54	19	3.0	5.0	29	<0.050	<0.010	1.68	--	--
84-04-05	1.5	4.4	0.56	18	3.1	3.0	36	<0.050	<0.010	<0.100	<0.5	<5
84-08-09	1.6	4.7	0.48	18	2.3	4.0	38	0.14	<0.010	0.750	--	--
83-10-10	3.5	8.0	0.76	18	11	10	68	3.3	<0.010	0.100	--	--
84-02-29	3.7	7.9	0.72	20	12	11	81	3.3	<0.010	<0.100	<0.5	<5
84-07-11	3.8	8.4	0.90	19	11	10	79	3.3	<0.010	<0.100	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
84-01-31	<20	30	--	<10	--	<2	<20	<0.020
84-05-29	<20	<30	<5	10	<0.20	--	150	<0.020
83-10-26	<20	<30	--	<10	--	--	40	<0.020
84-03-26	<20	<30	--	<10	--	<2	<20	<0.020
84-07-10	<20	<30	<5	10	<0.20	--	30	<0.020
84-02-22	<20	40	--	20	--	<2	<20	<0.020
84-06-24	20	<30	<5	10	<0.20	--	50	<0.020
83-11-03	<20	870	--	20	--	--	50	<0.020
84-04-05	<20	580	--	20	--	<2	<20	<0.020
84-08-09	<20	530	<5	20	<0.20	--	30	<0.020
83-10-10	80	<30	--	<10	--	--	30	<0.020
84-02-29	50	<30	--	<10	--	<2	<20	<0.020
84-07-11	30	<30	<5	<10	<0.20	--	20	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404633073070901	S 68690	211MGTY	83-10-11	824	52	6.0	0.22	48	2.5
		211MGTY	84-03-05	824	67	6.1	0.20	40	3.0
		211MGTY	84-07-04	824	52	5.8	0.36	18	2.7
405342073030702	S 68880	211MGTY	83-10-31	597	25	6.4	0.26	17	2.5
		211MGTY	84-03-28	597	43	6.5	0.22	17	3.8
		211MGTY	84-07-30	597	34	6.0	0.21	11	3.0
404547073104203	S 69024	211MGTY	83-11-18	721	31	5.8	0.53	8	1.4
		211MGTY	84-04-17	721	32	5.6	--	8	1.5
		211MGTY	84-08-10	721	32	6.1	4.0	10	1.7
405551072561601	S 69364	211MGTY	84-02-05	529	82	6.4	0.18	35	8.9
		211MGTY	84-05-16	529	100	6.4	0.16	38	9.3
405500072334501	S 69511	112GLCLU	84-01-30	268	69	6.3	0.20	36	4.1
		112GLCLU	84-05-28	268	79	6.2	0.14	34	3.8
410152071581501	S 70155	112GLCLU	83-10-07	240	108	6.3	0.19	35	3.9
		112GLCLU	84-02-25	240	98	6.4	0.75	21	4.5

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)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)
83-10-11	1.3	5.3	0.75	19	2.4	3.5	26	<0.050	<0.010	2.54	--	--
84-03-05	1.4	6.9	0.71	20	4.3	3.5	41	<0.050	<0.010	2.40	<0.5	<5
84-07-04	1.4	6.4	0.73	17	2.2	3.5	36	<0.050	<0.010	0.940	--	--
83-10-31	0.69	2.7	0.36	12	0.50	4.5	22	0.090	<0.010	<0.100	--	--
84-03-28	1.0	3.3	0.49	17	1.2	3.5	33	0.10	<0.010	<0.100	<0.5	<5
84-07-30	0.73	2.7	0.36	11	<0.50	2.5	20	0.15	<0.010	<0.100	--	--
83-11-18	0.87	2.9	0.41	10	1.7	2.5	20	<0.050	<0.010	<0.100	--	--
84-04-17	1.0	3.2	0.44	12	2.0	3.0	27	<0.050	<0.010	<0.100	<0.5	<5
84-08-10	1.0	3.3	0.48	13	1.9	3.0	28	<0.050	<0.010	<0.100	--	--
84-02-05	2.9	5.6	0.92	35	3.6	4.5	37	<0.050	<0.010	1.65	<0.5	<5
84-05-16	2.9	6.2	0.89	34	5.1	5.0	59	0.070	<0.010	2.60	--	--
84-01-30	1.8	7.3	0.57	15	7.3	11	42	<0.050	<0.010	<0.100	<0.5	<5
84-05-28	1.8	7.4	0.50	15	7.5	8.0	48	0.13	<0.010	<0.100	--	--
83-10-07	2.2	12	0.93	15	9.1	17	57	0.050	<0.010	<0.100	--	--
84-02-25	2.4	13	0.86	15	10	18	60	<0.050	<0.010	<0.100	<0.5	<5

DATE OF SAMPLE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
83-10-11	<20	730	--	20	--	--	<20	<0.020
84-03-05	<20	820	--	30	--	<2	<20	<0.020
84-07-04	<20	830	<5	20	<0.20	--	<20	<0.020
83-10-31	<20	40	--	<10	--	--	<20	<0.020
84-03-28	<20	<30	--	<10	--	<2	30	<0.020
84-07-30	<20	<30	<5	<10	<0.20	--	<20	<0.020
83-11-18	40	300	--	10	--	--	20	<0.020
84-04-17	20	370	--	<10	--	<2	<20	<0.020
84-08-10	<20	1500	<5	10	<0.20	--	<20	<0.020
84-02-05	<20	140	--	10	--	<2	20	<0.020
84-05-16	<20	30	<5	10	<0.20	--	<20	<0.020
84-01-30	<20	<30	--	<10	--	<2	<20	<0.020
84-05-28	<20	<30	<5	<10	<0.20	--	40	<0.020
83-10-07	<20	170	--	10	--	--	<20	<0.020
84-02-25	20	430	--	20	--	<2	20	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
405221073021202	S 70459	112GLCLU	83-11-02	415	88	5.9	0.16	32	6.5
		112GLCLU	84-03-25	415	117	6.0	0.13	28	7.6
		112GLCLU	84-07-22	415	115	5.7	0.14	37	6.9
405155073045203	S 70488	211MGTY	83-11-08	440	41	6.3	0.23	14	3.9
		211MGTY	84-07-23	440	45	6.4	0.25	14	6.3
405607073072403	S 70767	211MGTY	83-10-12	577	33	6.0	0.20	20	1.6
		211MGTY	84-02-16	577	30	5.9	0.16	7	1.6
		211MGTY	84-07-18	577	33	6.1	0.26	21	1.5
404319073153701	S 71038	211MGTY	84-02-12	592	34	5.6	0.67	19	1.5
		211MGTY	84-05-14	592	41	5.5	0.16	23	1.4
404528073150701	S 71083	211MGTY	84-08-27	798	27	5.5	0.30	8	1.2
405253073263402	S 71533	112GLCLU	83-11-21	344	44	6.0	0.20	15	3.1
		112GLCLU	84-04-19	344	54	6.2	0.16	17	3.7
		112GLCLU	84-08-17	344	53	6.0	0.16	24	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)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
83-11-02	2.9	8.8	0.90	15	8.2	12	65	3.5	<0.010	<0.100	--	--
84-03-25	3.0	9.4	0.96	15	8.5	11	76	3.8	<0.010	<0.100	<0.5	<5
84-07-22	3.0	8.7	0.97	18	9.5	10	65	3.4	<0.010	0.110	--	--
83-11-08	1.1	3.4	0.40	17	1.3	2.0	22	<0.050	<0.010	0.110	--	--
84-07-23	1.2	3.7	0.46	18	1.8	3.5	28	0.080	<0.010	<0.100	--	--
83-10-12	0.74	3.4	0.58	11	<0.50	3.5	20	<0.050	<0.010	<0.100	--	--
84-02-16	0.72	3.3	0.37	10	2.0	4.5	28	<0.050	<0.010	<0.100	<0.5	<5
84-07-18	0.76	3.0	0.35	11	2.0	3.0	26	<0.050	<0.010	<0.100	--	--
84-02-12	1.2	3.2	0.52	10	4.3	2.0	28	<0.050	<0.010	<0.100	<0.5	<5
84-05-14	1.2	4.1	0.59	11	4.1	3.0	30	<0.050	0.010	1.52	--	--
84-08-27	0.57	2.7	0.33	7.0	2.7	3.0	24	<0.050	<0.010	<0.100	--	--
83-11-21	1.3	4.3	0.60	14	<0.50	5.0	31	1.4	<0.010	<0.100	--	--
84-04-19	1.3	4.2	0.63	14	0.60	5.5	40	1.5	0.020	<0.100	<0.5	<5
84-08-17	1.4	4.7	0.67	15	0.60	5.0	41	1.5	<0.010	<0.100	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	SELENIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
83-11-02	20	80	--	<10	--	--	30	<0.020
84-03-25	30	<30	--	<10	--	<2	<20	<0.020
84-07-22	<20	<30	<5	<10	<0.20	--	<20	<0.020
83-11-08	20	<30	--	<10	--	--	50	<0.020
84-07-23	<20	<30	<5	<10	<0.20	--	30	<0.020
83-10-12	<20	<30	--	<10	--	--	<20	<0.020
84-02-16	<20	30	--	<10	--	<2	<20	<0.020
84-07-18	<20	50	<5	<10	<0.20	--	<20	<0.020
84-02-12	<20	350	--	10	--	<2	<20	<0.020
84-05-14	<20	330	<5	20	<0.20	--	80	<0.020
84-08-27	<20	60	<5	<10	<0.20	--	20	<0.020
83-11-21	20	<30	--	<10	--	--	<20	<0.020
84-04-19	40	<30	--	<10	--	<2	<20	<0.020
84-08-17	20	<30	<5	<10	<0.20	--	70	<0.020

WATER GUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

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)
404807072590801	S 71785	211MGTY	84-04-18	357	53	6.1	2.1	28	3.6
		211MGTY	84-05-16	357	55	6.3	0.65	16	3.8
405500072334502	S 71892	211MGTY	84-01-30	366	60	6.0	0.29	27	4.1
		211MGTY	84-05-28	366	69	6.0	0.18	27	3.8
405057073170201	S 72271	112GLCLU	84-01-31	681	49	6.7	0.16	27	6.9
		112GLCLU	84-05-06	681	82	6.5	0.19	28	6.4

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)	CADMIUM TOTAL RECOV-ERABLE (UG/L AS CD)	CHRO-MIUM, TOTAL RECOV-ERABLE (UG/L AS CR)
84-04-18	1.6	3.6	0.36	17	3.8	4.5	28	0.070	0.010	<0.100	<0.5	<5
84-05-16	1.7	3.7	0.35	17	5.0	4.5	38	<0.050	<0.010	<0.100	--	--
84-01-30	1.3	6.6	0.49	16	4.2	9.5	37	<0.050	<0.010	0.120	<0.5	<5
84-05-28	1.3	6.7	0.48	16	4.5	9.5	45	<0.050	<0.010	<0.100	--	--
84-01-31	2.7	4.6	0.68	27	3.7	3.5	36	0.84	<0.010	<0.100	<0.5	<5
84-05-06	2.8	4.8	0.78	27	4.2	4.0	53	0.99	<0.010	<0.100	--	--

DATE OF SAMPLE	COPPER, TOTAL RECOV-ERABLE (UG/L AS CU)	IRON, TOTAL RECOV-ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV-ERABLE (UG/L AS PB)	MANGA-NESE, TOTAL RECOV-ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV-ERABLE (UG/L AS HG)	SELE-NIUM, TOTAL (UG/L AS SE)	ZINC, TOTAL RECOV-ERABLE (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
84-04-18	<20	60	--	<10	--	<2	30	<0.020
84-05-16	<20	<30	<5	<10	<0.20	--	20	<0.020
84-01-30	<20	<30	--	<10	--	<2	<20	<0.020
84-05-28	<20	30	<5	<10	<0.20	--	40	<0.020
84-01-31	<20	50	--	<10	--	<2	<20	<0.020
84-05-06	<20	<30	<5	<10	<0.20	--	<20	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

SUFFOLK COUNTY--Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)
404323073253401	S 43808	112GLCLU	84-01-23	59	210	5.6	13.0	1.0	--
		112GLCLU	84-02-16	59	225	5.7	13.0	1.0	--
		112GLCLU	84-05-29	59	230	5.6	13.0	0.70	--
404124073241601	S 43809	112GLCLU	84-01-16	39	200	4.8	14.0	3.2	--
		112GLCLU	84-02-15	39	250	5.1	14.0	2.8	--
		112GLCLU	84-05-22	39	490	5.1	12.0	1.8	--
404124073241602	S 43810	112GLCLU	84-01-16	76	160	5.2	13.0	1.1	--
		112GLCLU	84-02-15	76	190	5.6	13.0	1.0	--
		112GLCLU	84-05-22	76	290	5.3	13.0	0.75	--
404158073225801	S 43812	112GLCLU	84-01-17	35	260	5.6	15.0	1.1	--
		112GLCLU	84-02-15	35	310	5.7	15.0	1.1	--
		112GLCLU	84-02-21	35	310	5.4	14.0	0.95	--
		112GLCLU	84-05-22	35	350	5.2	14.0	0.60	--
404158073225802	S 43813	112GLCLU	84-02-21	78	280	5.6	14.0	0.80	--
		112GLCLU	84-05-22	78	290	5.2	15.0	0.55	--

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 FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)
84-01-23	--	--	4.0	42	--	25	4.4	0.002	--	--	300	840
84-02-16	--	23	--	44	31	20	4.8	--	--	<100	470	660
84-05-29	--	--	3.9	54	--	19	7.4	0.008	--	--	300	780
84-01-16	--	--	4.5	--	--	46	4.7	0.006	--	--	<50	400
84-02-15	--	33	--	12	18	49	7.2	--	--	<100	130	330
84-05-22	--	--	5.0	29	--	170	6.7	0.008	--	--	400	200
84-01-16	--	--	4.2	12	--	20	4.0	0.004	--	--	500	520
84-02-15	--	18	--	33	7.0	20	4.7	--	--	<100	720	490
84-05-22	--	--	5.8	37	--	58	7.4	0.008	--	--	500	900
84-01-17	--	--	8.0	95	--	36	0.13	0.004	--	--	1500	8500
84-02-15	--	31	--	120	34	32	<0.40	--	--	<100	2400	6600
84-02-21	--	--	9.0	100	--	36	<0.050	0.003	--	--	2000	8000
84-05-22	--	--	9.0	126	--	57	<0.050	0.005	--	--	1900	12000
84-02-21	--	--	5.0	36	--	41	0.14	0.004	--	--	4700	340
84-05-22	--	--	5.4	60	--	48	1.4	0.003	--	--	5000	430

DATE OF SAMPLE	ZINC, DISSOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
84-01-23	--	--
84-02-16	<400	<0.10
84-05-29	--	--
84-01-16	--	--
84-02-15	<400	<0.10
84-05-22	--	--
84-01-16	--	--
84-02-15	<400	<0.10
84-05-22	--	--
84-01-17	--	--
84-02-15	<400	0.10
84-02-21	--	--
84-05-22	--	--
84-02-21	--	--
84-05-22	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

SUFFOLK COUNTY--Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)
404455073215001	S 43814	1120LCLU	84-02-09	50	185	4.9	13.0	1.1	--
		1120LCLU	84-05-30	50	210	5.2	12.0	1.2	--
404237073220601	S 43815	1120LCLU	84-01-17	36	260	5.3	14.0	1.2	--
		1120LCLU	84-02-16	36	270	5.5	14.0	0.85	--
		1120LCLU	84-05-23	36	295	5.4	12.0	0.55	--
404237073220602	S 43816	1120LCLU	84-01-17	80	160	5.1	13.0	1.1	--
		1120LCLU	84-02-16	80	175	5.4	13.0	0.70	--
		1120LCLU	84-05-23	80	175	5.0	13.0	0.75	--
404618073205001	S 43817	1120LCLU	84-01-23	56	195	5.5	13.0	1.3	--
404257073202401	S 43818	1120LCLU	84-01-18	36	240	5.5	14.0	0.95	--
		1120LCLU	84-02-14	36	270	5.7	14.0	0.90	--
404250073202302	S 43819	1120LCLU	84-01-18	78	185	5.5	13.0	1.0	--
		1120LCLU	84-02-14	78	215	5.3	13.0	0.95	--
		1120LCLU	84-05-23	78	205	5.3	13.0	0.85	--

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 FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)
84-02-09	--	21	--	11	36	20	2.4	--	--	<100	1900	1100
84-05-30	--	21	--	18	51	26	3.3	--	--	<100	1700	1600
84-01-17	--	--	5.4	23	--	44	6.3	0.006	--	--	100	1600
84-02-16	--	31	--	31	36	40	5.8	--	--	<100	100	1400
84-05-23	--	40	--	32	36	55	6.7			<100	<100	1500
84-01-17	--	--	4.0	10	--	18	5.5	0.007	--	--	400	380
84-02-16	--	14	--	21	31	16	4.7	--	--	<100	550	390
84-05-23	--	15	--	14	29	19	5.4	--	--	<100	340	320
84-01-23	--	--	1.9	29	--	18	11	0.037	--	--	500	160
84-01-18	--	21	--	38	39	23	6.7	--	--	<100	<100	1800
84-02-14	--	--	7.0	45	--	26	6.1	0.002	--	--	200	2200
84-01-18	--	16	--	14	24	28	6.6	--	--	100	600	320
84-02-14	--	--	4.5	15	--	30	6.6	0.004	--	--	600	380
84-05-23	--	18	--	22	24	32	7.2	--	--	<100	500	320

DATE OF SAMPLE	ZINC, DISSOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
84-02-09	<400	<0.10
84-05-30	<400	<0.10
84-01-17	--	--
84-02-16	<400	<0.10
84-05-23	<400	<0.10
84-01-17	--	--
84-02-16	<400	<0.10
84-05-23	<400	<0.10
84-01-23	--	--
84-01-18	<400	0.10
84-02-14	--	--
84-01-18	<400	<0.10
84-02-14	--	--
84-05-23	<400	<0.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

SUFFOLK COUNTY--Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)
404302073185501	S 43821	112QLCLU	84-01-18	36	280	5.8	14.0	1.3	--
		112QLCLU	84-02-21	36	340	4.9	13.0	1.0	--
404302073185502	S 43822	112QLCLU	84-01-18	74	92	5.9	12.0	1.4	--
404503073010801	S 44466	112QLCLU	83-10-03	20	240	--	21.0	2.0	--
405254073214201	S 44914	112QLCLU	83-10-05	25	101	5.3	13.5	9.8	--
		112QLCLU	83-10-24	25	87	5.3	13.0	9.2	6.0
		112QLCLU	83-11-12	25	97	5.2	12.3	11.6	5.2
		112QLCLU	83-11-22	25	89	5.5	11.0	9.8	5.6
		112QLCLU	83-12-07	25	93	5.5	10.5	10	6.0
405330073242401	S 45053	112QLCLU	84-02-27	125	195	5.1	12.0	9.2	--
		112QLCLU	84-06-04	125	190	5.8	12.0	8.4	--
405132073181401	S 45207	112QLCLU	83-10-05	146	173	5.8	12.3	9.6	--
		112QLCLU	83-10-24	146	149	5.4	12.2	9.4	16
		112QLCLU	83-11-22	146	154	5.8	12.0	9.4	16
		112QLCLU	83-12-07	146	156	5.7	12.0	8.5	15

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 FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)
84-01-18	--	39	--	76	21	54	1.8	--	--	100	2300	1600
84-02-21	--	--	6.8	83	--	66	1.7	0.004	--	--	3000	2200
84-01-18	--	8.9	--	24	17	7.0	0.60	--	--	<100	3400	220
83-10-03	--	--	6.5	--	--	24	<0.20	<0.002	--	--	7000	720
83-10-05	--	--	--	7	--	17	2.1	<0.001	--	--	--	--
83-10-24	2.5	12	1.6	6	12	14	2.5	0.001	0.002	--	<50	40
83-11-12	2.4	10	1.6	6	12	16	2.5	0.002	0.006	--	200	30
83-11-22	2.4	11	1.5	7	11	15	2.6	0.002	0.003	--	100	40
83-12-07	2.4	9.5	1.4	6	11	15	2.7	<0.002	<0.002	--	200	30
84-02-27	--	--	2.0	23	--	22	7.0	0.002	--	--	300	40
84-06-04	--	--	1.8	66	--	20	6.6	0.002	--	--	200	30
83-10-05	--	--	--	15	--	16	8.2	0.003	--	--	--	--
83-10-24	4.0	14	2.8	13	41	11	8.7	0.013	0.003	--	500	40
83-11-22	3.5	15	2.9	16	24	16	8.0	0.004	<0.002	--	300	40
83-12-07	3.5	15	2.9	14	24	16	7.4	0.004	<0.002	--	300	80

DATE OF SAMPLE	ZINC, DISSOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
84-01-18	<400	<0.10
84-02-21	--	--
84-01-18	<400	<0.10
83-10-03	--	--
83-10-05	--	--
83-10-24	--	--
83-11-12	--	--
83-11-22	--	--
83-12-07	--	--
84-02-27	--	--
84-06-04	--	--
83-10-05	--	--
83-10-24	--	--
83-11-22	--	--
83-12-07	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

SUFFOLK COUNTY--Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)
404945073174501	S 45210	112GLCLU	83-10-05	109	217	6.4	13.0	12.0	--
		112GLCLU	83-10-24	109	186	5.8	--	--	22
		112GLCLU	83-11-22	109	198	6.2	12.8	10.6	22
		112GLCLU	83-12-07	109	194	6.3	12.5	11.5	23
404400073154402	S 45446	112GLCLU	84-01-19	41	245	4.3	15.0	1.0	--
		112GLCLU	84-02-22	41	280	4.5	15.0	0.90	--
		112GLCLU	84-05-29	41	250	5.0	13.0	1.2	--
404606073050001	S 45447	112GLCLU	84-01-23	82	240	5.2	12.0	3.2	--
		112GLCLU	84-02-14	82	270	5.6	12.0	2.6	--
		112GLCLU	84-06-05	82	270	--	12.0	2.1	--

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 FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)
83-10-05	--	--	--	35	--	12	8.9	0.004	--	--	--	--
83-10-24	7.5	14	1.4	21	23	15	8.4	0.004	0.002	--	80	<20
83-11-22	8.0	14	1.6	32	41	12	8.6	0.006	0.002	--	200	30
83-12-07	7.5	13	1.5	31	40	13	7.8	0.004	0.002	--	200	30
84-01-19	--	20	--	3	32	30	14	--	--	<100	410	1400
84-02-22	--	23	--	--	31	33	16	--	--	<100	530	1500
84-05-29	--	--	6.6	9	--	27	17	0.014	--	--	600	1600
84-01-23	--	--	4.9	11	--	56	0.92	0.002	--	--	1200	140
84-02-14	--	--	5.2	17	--	65	0.80	0.004	--	--	1800	500
84-06-05	--	--	4.6	--	--	67	0.87	0.002	--	--	1300	160

DATE OF SAMPLE	ZINC, DISSOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
83-10-05	--	--
83-10-24	--	--
83-11-22	--	--
83-12-07	--	--
84-01-19	<400	<0.10
84-02-22	<400	<0.10
84-05-29	--	--
84-01-23	--	--
84-02-14	--	--
84-06-05	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

SUFFOLK COUNTY--Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)
404508073080902	S 45636	112GLCLU	83-10-03	29	123	5.2	12.0	5.0	8.5
		112GLCLU	83-10-16	29	120	4.3	12.0	5.0	8.0
		112GLCLU	83-10-18	29	120	4.3	12.0	5.0	8.0
		112GLCLU	83-11-02	29	135	4.8	11.9	6.5	8.0
		112GLCLU	83-11-23	29	139	4.7	12.0	6.7	8.5
		112GLCLU	84-01-24	29	150	4.9	11.0	4.0	--
		112GLCLU	84-02-23	29	155	4.7	11.0	5.6	--
		112GLCLU	84-06-05	29	140	--	10.0	--	--
404508073080901	S 45637	112GLCLU	84-01-24	82	73	6.3	11.0	7.5	--
		112GLCLU	84-02-23	82	82	6.1	11.0	9.2	--
		112GLCLU	84-06-05	82	70	--	12.0	4.6	--
404618073164501	S 45717	112GLCLU	84-02-16	75	38	5.5	11.0	13.0	--
		112GLCLU	84-05-29	75	38	5.5	11.0	12.0	--
404635073101602	S 45718	112GLCLU	84-01-24	28	200	5.0	11.0	5.7	--
404635073101601	S 45719	112GLCLU	84-01-24	82	120	5.8	11.0	5.5	--

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 FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)
83-10-03	2.5	15	2.9	4	15	16	6.3	<0.002	0.002	--	100	200
83-10-16	2.2	12	3.0	--	16	17	6.5	0.001	<0.002	--	100	180
83-10-18	2.2	12	3.0	--	16	17	6.5	0.001	<0.002	--	100	180
83-11-02	2.2	14	3.2	3	16	18	7.0	0.003	<0.002	--	200	270
83-11-23	2.5	17	3.9	1	15	18	7.6	<0.002	<0.002	--	200	240
84-01-24	--	--	4.1	5	--	19	7.6	0.002	--	--	100	300
84-02-23	--	16	--	4	14	20	7.3	--	--	<100	110	230
84-06-05	--	--	2.8	--	--	21	4.2	0.004	--	--	100	180
84-01-24	--	--	0.60	29	--	5.9	1.4	0.002	--	--	100	20
84-02-23	--	4.3	--	32	<4.0	7.0	1.8	--	--	<100	110	<50
84-06-05	--	--	0.60	--	--	5.2	0.77	0.001	--	--	400	30
84-02-16	--	3.2	--	5	8.0	4.0	<0.40	--	--	<100	660	<50
84-05-29	--	--	0.60	17	--	4.8	0.26	0.003	--	--	100	<20
84-01-24	--	--	8.0	5	--	29	9.9	0.002	--	--	100	1000
84-01-24	--	--	0.90	24	--	14	3.9	0.002	--	--	300	40

DATE OF SAMPLE	ZINC, DISSOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
83-10-03	--	--
83-10-16	--	--
83-10-18	--	--
83-11-02	--	--
83-11-23	--	--
84-01-24	--	--
84-02-23	<400	<0.10
84-06-05	--	--
84-01-24	--	--
84-02-23	<400	<0.10
84-06-05	--	--
84-02-16	<400	<0.10
84-05-29	--	--
84-01-24	--	--
84-01-24	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

SUFFOLK COUNTY--Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)
404516073122802	S 45721	112GLCLU	83-10-03	36	132	4.4	13.0	0.30	8.5
		112GLCLU	83-10-18	36	127	4.7	13.0	0.30	9.0
		112GLCLU	83-11-01	36	138	5.3	13.0	0.40	9.5
		112GLCLU	83-11-21	36	130	5.5	13.0	0.40	8.5
		112GLCLU	84-02-22	36	270	4.7	13.0	1.0	--
		112GLCLU	84-05-30	36	380	5.3	13.0	1.3	--
404516073122801	S 45722	112GLCLU	84-02-22	91	225	4.8	12.0	0.80	--
		112GLCLU	84-05-30	91	210	5.6	12.0	0.55	--
404400073154401	S 46287	112GLCLU	84-01-19	88	195	5.7	12.0	1.2	--
		112GLCLU	84-02-22	88	215	5.0	12.0	8.9	--
		112GLCLU	84-05-29	88	220	5.6	12.0	1.0	--
404606073050002	S 46502	112GLCLU	84-01-23	43	180	5.5	13.0	3.4	--
		112GLCLU	84-02-14	43	195	5.6	13.0	3.1	--
		112GLCLU	84-06-05	43	210	--	13.0	2.8	--

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 FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)
83-10-03	1.5	20	1.4	12	27	22	1.3	<0.002	<0.002	--	700	260
83-10-18	1.4	18	1.4	5	37	21	1.2	0.002	<0.002	--	800	240
83-11-01	1.6	18	1.6	10	28	22	1.5	<0.002	<0.002	--	600	280
83-11-21	1.5	17	1.8	12	26	20	1.2	0.002	<0.002	--	800	310
84-02-22	--	35	--	10	21	74	2.4	--	--	<100	1300	500
84-05-30	--	72	--	29	32	110	3.8	--	--	<100	1600	430
84-02-22	--	19	--	18	18	34	11	--	--	<100	890	50
84-05-30	--	20	--	58	19	36	7.7	--	--	<100	690	60
84-01-19	--	22	--	25	8.0	25	12	--	--	<100	1200	50
84-02-22	--	24	--	23	13	29	13	--	--	<100	760	70
84-05-29	--	--	1.7	31	--	31	12	0.007	--	--	900	70
84-01-23	--	--	2.8	20	--	39	1.2	0.002	--	--	200	<20
84-02-14	--	--	2.9	25	--	38	1.2	0.003	--	--	300	<20
84-06-05	--	--	2.0	--	--	47	0.78	0.004	--	--	200	40

DATE OF SAMPLE	ZINC, DISSOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
83-10-03	--	--
83-10-18	--	--
83-11-01	--	--
83-11-21	--	--
84-02-22	<400	<0.10
84-05-30	<400	<0.10
84-02-22	<400	<0.10
84-05-30	<400	0.20
84-01-19	<400	<0.10
84-02-22	<400	<0.10
84-05-29	--	--
84-01-23	--	--
84-02-14	--	--
84-06-05	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

SUFFOLK COUNTY--Continued

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

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)
404920072484502	S 46911	112GLCLU	84-02-07	34	23	5.2	12.0	8.7	--
		112GLCLU	84-06-14	34	31	5.4	11.0	5.3	--
404919072484501	S 46912	112GLCLU	84-02-07	32	280	4.9	12.0	7.9	--
404920072484602	S 46913	112GLCLU	84-02-07	20	95	5.5	3.0	10.8	--
		112GLCLU	84-06-04	20	30	--	14.0	1.6	--
404917072484501	S 46914	112GLCLU	83-10-17	22	54	6.0	16.0	5.5	8.5
		112GLCLU	83-11-23	22	26	6.2	11.0	9.3	2.9
		112GLCLU	84-02-07	22	30	5.3	9.0	7.2	--
		112GLCLU	84-06-06	22	53	--	10.0	7.2	--
405226073095701	S 46963	112GLCLU	84-02-23	133	125	5.0	12.0	12.0	--
		112GLCLU	84-06-04	133	120	7.2	13.0	11.5	--
404952073470501	S 46966	112GLCLU	84-02-01	86	35	5.4	11.0	11.5	--

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 FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
84-02-07	--	--	0.60	4	--	2.7	0.26	0.002	--	--	<50	<20
84-06-14	--	1.8	--	32	<4.0	4.0	<0.40	--	--	<100	<100	<50
84-02-07	--	--	1.5	12	--	76	2.4	0.003	--	--	100	180
84-02-07	--	--	0.90	19	--	20	0.10	0.002	--	--	200	<20
84-06-04	--	1.6	--	--	<4.0	<4.0	<0.40	--	--	<100	300	<50
83-10-17	1.4	28	2.6	31	9.0	39	0.80	0.003	0.013	--	200	40
83-11-23	0.50	2.0	1.7	11	1.6	2.1	<0.20	<0.002	0.004	--	200	--
84-02-07	--	--	1.0	11	--	3.2	0.21	0.002	--	--	100	40
84-06-06	--	4.7	--	--	<4.0	13	<0.40	--	--	<100	120	<50
84-02-23	--	14	--	11	11	30	1.8	--	--	<100	340	<50
84-06-04	--	--	1.5	41	--	18	2.4	0.002	--	--	700	20
84-02-01	--	4.7	--	4	4.0	5.0	<0.40	--	--	<100	<100	<50

DATE OF SAMPLE	ZINC, DIS-SOLVED (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
84-02-07	--	--
84-06-14	<400	<0.10
84-02-07	--	--
84-02-07	--	--
84-06-04	<400	<0.10
83-10-17	--	--
83-11-23	--	--
84-02-07	--	--
84-06-06	<400	<0.10
84-02-23	<400	<0.10
84-06-04	--	--
84-02-01	<400	<0.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

SUFFOLK COUNTY--Continued

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

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)
404933073134201	S 47157	112GLCLU	83-10-12	25	>1000	--	21.0	0.75	--
		112GLCLU	84-02-23	25	>1000	5.1	13.0	6.4	--
		112GLCLU	84-05-31	25	>1000	5.6	11.0	10.6	--
404351073054101	S 47223	112GLCLU	83-10-03	30	184	5.6	12.5	1.7	16
		112GLCLU	83-10-18	30	182	5.2	13.8	1.6	17
		112GLCLU	83-11-01	30	209	5.6	13.0	1.8	16
		112GLCLU	83-11-21	30	191	5.3	13.0	1.6	16
		112GLCLU	84-02-09	30	190	5.3	13.0	2.5	--
		112GLCLU	84-06-06	30	160	--	11.0	2.4	--
404817072532500	S 47224	112GLCLU	84-01-12	33	58	--	11.0	3.3	--
		112GLCLU	84-02-08	33	56	5.3	10	3.2	--
		112GLCLU	84-06-14	33	53	--	9.0	5.7	--
405218072561101	S 47225	112GLCLU	84-01-12	31	125	4.9	11.0	4.2	--
		112GLCLU	84-01-31	31	135	5.2	11.0	4.4	--
405240072491402	S 47226	112GLCLU	84-01-10	30	65	5.8	11.0	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 FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
83-10-12	--	410	--	--	34	720	4.3	--	--	<100	3500	2000
84-02-23	--	380	--	137	23	640	4.1	--	--	<100	3900	1600
84-05-31	--	370	--	122	34	--	4.6	--	--	<100	2300	1800
83-10-03	2.0	21	3.7	19	23	38	3.7	<0.002	<0.002	--	200	90
83-10-18	2.0	20	4.0	17	24	39	4.1	0.001	<0.002	--	200	60
83-11-01	1.9	20	4.6	20	25	28	4.2	<0.002	<0.002	--	100	90
83-11-21	2.0	22	4.8	23	26	36	4.2	0.002	<0.002	--	200	60
84-02-09	--	18	--	30	15	23	3.8	--	--	<100	<100	<50
84-06-06	--	13	--	--	20	22	3.9	--	--	<100	230	70
84-01-12	--	5.0	--	3	10	8.0	0.60	--	--	<100	640	130
84-02-08	--	5.5	--	8	<4.0	7.0	0.80	--	--	<100	2000	110
84-06-14	--	3.4	--	--	4.0	6.0	0.80	--	--	<100	180	90
84-01-12	--	7.3	--	5	24	11	4.9	--	--	<100	300	50
84-01-31	--	--	4.7	7	--	9.4	6.0	0.006	--	--	200	50
84-01-10	--	--	0.60	28	--	6.8	<0.050	0.001	--	--	6400	180

DATE OF SAMPLE	ZINC, DIS-SOLVED (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
83-10-12	<400	<0.10
84-02-23	<400	<0.10
84-05-31	<400	<0.10
83-10-03	--	--
83-10-18	--	--
83-11-01	--	--
83-11-21	--	--
84-02-09	<400	<0.10
84-06-06	<400	<0.10
84-01-12	<400	<0.10
84-02-08	<400	<0.10
84-06-14	<400	<0.10
84-01-12	<400	<0.10
84-01-31	--	--
84-01-10	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

SUFFOLK COUNTY--Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)
405240072491401	S 47227	112GLCLU	84-01-10	100	85	6.1	11.0	2.0	--
405306072482701	S 47228	112GLCLU	83-10-05	101	72	6.5	11.0	0.20	--
		112GLCLU	84-01-11	101	72	5.6	11.0	1.1	--
		112GLCLU	84-07-18	101	68	6.9	11.0	0.25	1.5
405306072482702	S 47229	112GLCLU	83-10-05	29	110	5.5	13.0	4.8	--
		112GLCLU	84-01-11	29	105	5.2	13.0	1.0	--
		112GLCLU	84-07-18	29	93	5.7	11.0	1.4	5.0
405541072375300	S 47231	112GLCLU	84-01-12	40	110	5.2	12.0	4.6	--
		112GLCLU	84-03-08	40	120	5.9	12.0	3.0	--
		112GLCLU	84-06-26	40	110	6.0	11.0	1.2	--
410348072272900	S 47233	112GLCLU	84-03-19	51	250	5.6	11.0	7.7	--
410213072232700	S 47234	112GLCLU	84-03-13	27	280	5.4	11.0	1.8	--
		112GLCLU	84-06-28	27	>1000	5.7	10	1.2	--
410037072145101	S 47235	112GLCLU	84-04-17	22	220	5.8	10	5.5	--

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 FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)
84-01-10	--	--	0.50	47	--	5.5	<0.050	0.002	--	--	800	350
83-10-05	--	6.9	--	--	9.0	10	<0.40	--	--	<100	--	<100
84-01-11	--	5.7	--	16	9.0	12	<0.40	--	--	<100	--	140
84-07-18	0.40	6.0	0.40	27	5.8	12	0.060	0.002	0.008	--	--	300
83-10-05	--	15	--	9	14	14	1.0	--	--	<100	500	200
84-01-11	--	14	--	13	17	12	0.80	--	--	<100	2300	310
84-07-18	2.0	13	1.3	8	19	13	0.86	0.002	<0.002	--	1800	320
84-01-12	--	10	--	14	19	19	1.1	--	--	<100	1400	240
84-03-08	--	9.8	--	15	16	16	2.4	--	--	<100	2600	260
84-06-26	--	--	2.0	24	--	14	1.7	0.002	--	--	800	240
84-03-19	--	--	2.0	21	--	29	6.9	0.001	--	--	300	<20
84-03-13	--	--	3.8	37	--	67	0.33	0.005	--	--	1400	130
84-06-28	--	3000	--	--	200	1300	0.40	--	--	<100	5400	210
84-04-17	--	--	1.7	39	--	47	0.050	0.003	--	--	5000	230

DATE OF SAMPLE	ZINC, DISSOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
84-01-10	--	--
83-10-05	<400	<0.10
84-01-11	<400	<0.10
84-07-18	--	--
83-10-05	<400	0.20
84-01-11	<400	0.20
84-07-18	--	--
84-01-12	<400	<0.10
84-03-08	<400	<0.10
84-06-26	--	--
84-03-19	--	--
84-03-13	--	--
84-06-28	<400	<0.10
84-04-17	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

SUFFOLK COUNTY--Continued

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

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)
410156072133601	S 47236	112GLCLU	84-04-16	60	85	5.9	12.0	--	--
405307073060901	S 47698	112GLCLU	83-10-05	104	66	5.3	11.0	11.8	--
		112GLCLU	83-11-14	104	65	5.7	12.0	9.4	3.6
404642073005801	S 47743	112GLCLU	84-02-06	100	67	5.6	12.0	0.55	--
405417072572701	S 47745	112GLCLU	84-02-02	32	140	5.0	12.0	2.3	--
404847072571300	S 47746	112GLCLU	84-02-09	84	88	5.1	11.0	10.5	--
		112GLCLU	84-06-06	84	76	--	11.0	--	--
404740072545200	S 47747	112GLCLU	84-02-09	34	68	4.9	11.0	3.2	--
		112GLCLU	84-06-07	34	85	--	12.0	2.7	--
405638072514700	S 47748	112GLCLU	84-02-27	36	44	4.9	11.0	12.6	--
		112GLCLU	84-05-31	36	40	5.4	11.0	12.2	--
		112GLCLU	84-06-14	36	70	--	12.0	0.35	--
405338072530401	S 47749	112GLCLU	84-06-04	37	90	4.9	12.0	6.6	--

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 FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
84-04-16	--	--	1.0	19	--	12	0.11	0.002	--	--	300	60
83-10-05	--	--	--	9	--	12	1.3	0.001	--	--	--	--
83-11-14	1.9	7.1	0.70	9	34	12	1.2	0.004	<0.002	--	500	50
84-02-06	--	--	0.70	29	--	5.9	0.19	0.002	--	--	800	180
84-02-02	--	12	--	6	<4.0	11	<0.40	--	--	<100	<100	440
84-02-09	--	8.2	--	8	<4.0	9.0	2.2	--	--	<100	100	<50
84-06-06	--	8.6	--	11	10	8.0	1.3	--	--	<100	190	<50
84-02-09	--	8.2	--	3	<4.0	10	1.5	--	--	<100	220	50
84-06-07	--	9.0	--	--	<4.0	13	2.4	--	--	<100	170	<50
84-02-27	--	--	0.70	4	--	7.0	0.060	0.003	--	--	100	<20
84-05-31	--	4.1	--	13	7.0	6.0	<0.40	--	--	<100	190	<50
84-06-14	--	3.5	--	--	<4.0	5.0	<0.40	--	--	<100	690	150
84-06-04	--	--	3.9	30	--	120	2.6	0.001	--	--	200	720

DATE OF SAMPLE	ZINC, DIS-SOLVED (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
84-04-16	--	--
83-10-05	--	--
83-11-14	--	--
84-02-06	--	--
84-02-02	<400	<0.10
84-02-09	<400	<0.10
84-06-06	<400	<0.10
84-02-09	<400	<0.10
84-06-07	<400	<0.10
84-02-27	--	--
84-05-31	<400	<0.10
84-06-14	<400	<0.10
84-06-04	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

SUFFOLK COUNTY--Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)
405004072515400	S 47750	112GLCLU	84-02-06	95	49	5.3	11.0	11.4	--
404607072594702	S 47751	112GLCLU	84-02-08	38	170	5.0	13.0	1.3	--
		112GLCLU	84-06-07	38	200	--	13.0	1.2	--
404607072594701	S 47752	112GLCLU	84-02-08	100	64	5.6	12.0	3.3	--
		112GLCLU	84-06-07	100	65	--	13.0	2.6	--
405412072441401	S 47753	112GLCLU	84-02-01	102	53	5.6	10.0	7.8	--
405412072441402	S 47754	112GLCLU	84-01-26	41	43	4.4	12.6	7.8	--
		112GLCLU	84-02-01	41	42	5.2	12.0	7.9	--
405136072464500	S 47755	112GLCLU	84-02-01	58	46	5.1	13.0	9.8	--
404922072595001	S 47756	112GLCLU	84-01-31	69	160	5.2	11.0	10.4	--
405008073025501	S 47757	112GLCLU	84-01-31	138	155	5.6	13.0	9.2	--

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 FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)
84-02-06	--	--	0.50	63	--	7.0	<0.050	0.002	--	--	300	<20
84-02-08	--	19	--	7	26	17	6.7	--	--	<100	170	420
84-06-07	--	18	--	--	16	19	12	--	--	<100	150	280
84-02-08	--	5.2	--	29	<4.0	5.0	<0.40	--	--	<100	150	<50
84-06-07	--	4.0	--	--	<4.0	<4.0	<0.40	--	--	<100	160	<50
84-02-01	--	6.9	--	8	7.0	6.0	<0.40	--	--	<100	140	<50
84-01-26	--	5.9	--	--	10	7.0	<0.40	--	--	<100	<100	120
84-02-01	--	5.8	--	4	4.0	7.0	<0.40	--	--	<100	100	120
84-02-01	--	5.5	--	3	5.0	6.0	<0.40	--	--	<100	250	<50
84-01-31	--	--	1.9	9	--	43	0.76	0.003	--	--	400	50
84-01-31	--	--	1.3	26	--	28	2.7	0.003	--	--	300	30

DATE OF SAMPLE	ZINC, DISSOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
84-02-06	--	--
84-02-08	<400	<0.10
84-06-07	<400	<0.10
84-02-08	<400	<0.10
84-06-07	<400	<0.10
84-02-01	<400	<0.10
84-01-26	<400	<0.10
84-02-01	<400	<0.10
84-02-01	<400	<0.10
84-01-31	--	--
84-01-31	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

SUFFOLK COUNTY--Continued

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

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)
404852073050401	S 47758	112GLCLU	83-10-04	102	292	5.6	12.5	8.1	--
		112GLCLU	83-11-14	102	307	5.7	12.0	7.6	15
		112GLCLU	83-11-28	102	304	5.6	12.0	9.0	13
405648072555101	S 47945	112GLCLU	84-02-27	142	68	4.8	11.0	9.6	--
		112GLCLU	84-06-04	142	57	5.1	11.0	10.0	--
405050072595301	S 47975	112GLCLU	83-10-17	129	135	5.5	11.3	9.2	17
		112GLCLU	83-11-15	129	144	5.8	11.0	9.0	18
		112GLCLU	83-11-21	129	145	5.8	11.0	8.3	16
		112GLCLU	84-02-27	129	165	5.0	12.0	10.6	--
		112GLCLU	84-05-30	129	155	5.5	12.0	10.4	--
		112GLCLU	84-07-27	129	151	6.0	12.0	--	16
405605072591501	S 47976	112GLCLU	84-02-06	138	170	5.4	12.0	8.8	--
404711072515000	S 47977	112GLCLU	84-02-08	55	170	4.5	12.0	7.1	--
		112GLCLU	84-06-07	55	135	--	11.0	7.9	--

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 FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
83-10-04	--	--	--	12	--	98	4.2	0.004	--	--	--	--
83-11-14	6.3	60	4.1	14	20	98	4.2	0.006	<0.002	--	800	60
83-11-28	5.0	60	3.7	9	24	96	5.1	<0.002	<0.002	--	300	60
84-02-27	--	--	0.90	7	--	8.4	0.38	0.003	--	--	3100	200
84-06-04	--	--	1.0	29	--	6.8	0.84	0.002	--	--	200	70
83-10-17	7.0	7.0	1.1	43	22	13	2.2	0.003	<0.002	--	500	30
83-11-15	7.0	6.8	1.1	46	24	14	2.2	0.004	<0.002	--	400	50
83-11-21	6.5	6.8	1.1	42	23	12	2.3	<0.002	<0.002	--	500	60
84-02-27	--	--	1.3	30	--	14	2.1	0.004	--	--	400	50
84-05-30	--	5.6	--	69	17	12	1.8	--	--	<100	310	<50
84-07-27	7.4	7.3	1.3	25	22	14	2.4	0.001	<0.002	--	--	90
84-02-06	--	--	1.9	25	--	17	5.4	0.006	--	--	400	30
84-02-08	--	18	--	--	9.0	20	9.5	--	--	<100	310	450
84-06-07	--	12	--	--	11	15	5.5	--	--	<100	210	280

DATE OF SAMPLE	ZINC, DIS-SOLVED (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
83-10-04	--	--
83-11-14	--	--
83-11-28	--	--
84-02-27	--	--
84-06-04	--	--
83-10-17	--	--
83-11-15	--	--
83-11-21	--	--
84-02-27	--	--
84-05-30	<400	<0.10
84-07-27	--	--
84-02-06	--	--
84-02-08	<400	<0.10
84-06-07	<400	<0.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

SUFFOLK COUNTY--Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)
404607072594501	S 48012	112GLCLU	83-10-03	29	390	--	22.0	3.4	--
404923073104801	S 48204	112GLCLU	83-10-12	32	270	--	21.0	0.40	--
405606072202701	S 48425	112GLCLU	84-01-25	44	360	5.6	11.0	6.5	--
		112GLCLU	84-02-29	44	380	5.3	11.0	7.2	--
		112GLCLU	84-06-20	44	350	--	11.0	5.7	--
405740072190001	S 48426	112GLCLU	84-03-06	121	95	5.9	11.0	11.5	--
		112GLCLU	84-06-18	121	115	5.9	11.0	9.9	--
405618072180501	S 48427	112GLCLU	84-02-29	52	180	5.5	12.0	--	--
		112GLCLU	84-06-19	52	210	6.2	12.0	11.2	--
405704072165901	S 48428	112GLCLU	84-02-28	71	55	5.2	11.0	11.8	--
		112GLCLU	84-06-18	71	58	5.8	11.0	9.6	--
405807072121001	S 48429	112GLCLU	84-04-04	66	115	5.1	12.0	9.4	--

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 FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)
83-10-03	--	--	7.2	--	--	96	6.8	0.010	--	--	300	190
83-10-12	--	39	--	--	47	24	12	--	--	<100	330	1200
84-01-25	--	11	--	19	140	33	8.9	--	--	<100	370	<50
84-02-29	--	8.9	--	9	140	30	8.3	--	--	<100	390	<50
84-06-20	--	8.2	--	--	120	27	8.2	--	--	<100	170	<50
84-03-06	--	--	0.90	21	--	13	1.1	0.003	--	--	200	40
84-06-18	--	9.4	--	41	9.0	13	2.4	--	--	<100	150	<50
84-02-29	--	11	--	16	32	16	6.2	--	--	<100	140	<50
84-06-19	--	20	--	34	38	23	5.6	--	--	<100	130	<50
84-02-28	--	--	0.70	5	--	12	0.050	0.002	--	--	200	<20
84-06-18	--	6.5	--	25	5.0	11	<0.40	--	--	<100	170	<50
84-04-04	--	6.5	--	19	18	10	2.2	--	--	<100	170	<50

DATE OF SAMPLE	ZINC, DISSOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
83-10-03	--	--
83-10-12	<400	<0.10
84-01-25	<400	<0.10
84-02-29	<400	<0.10
84-06-20	<400	<0.10
84-03-06	--	--
84-06-18	<400	<0.10
84-02-29	<400	<0.10
84-06-19	<400	<0.10
84-02-28	--	--
84-06-18	--	<0.10
84-04-04	<400	<0.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

SUFFOLK COUNTY--Continued

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

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)
405501072215501	S 48430	112GLCLU	84-03-05	43	53	5.1	11.0	8.8	--
		112GLCLU	84-06-20	43	58	4.9	10.0	8.2	--
405606072235701	S 48432	112GLCLU	84-04-02	63	73	5.7	11.0	11.5	--
405227072352301	S 48434	112GLCLU	84-01-05	187	110	5.4	11.0	6.5	--
405051072353101	S 48435	112GLCLU	84-03-06	59	115	5.3	13.0	10.7	--
		112GLCLU	84-06-18	59	125	5.5	12.0	9.2	--
405831072171201	S 48437	112GLCLU	84-02-29	72	52	5.7	11.0	12.4	--
		112GLCLU	84-06-21	72	54	--	11.0	10.4	--
405844072191601	S 48438	112GLCLU	84-03-22	82	68	5.4	10.0	12.0	--
405325072262702	S 48439	112GLCLU	84-03-05	51	205	5.5	14.0	10.5	--
		112GLCLU	84-06-18	51	240	5.8	13.0	8.3	--
405325072262701	S 48440	112GLCLU	84-03-05	102	80	7.2	12.0	8.3	--
		112GLCLU	84-06-18	102	90	5.5	12.0	7.8	--

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 FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
84-03-05	--	--	1.2	1	--	10	<0.050	0.002	--	--	100	30
84-06-20	--	6.1	--	--	6.0	11	<0.20	--	--	<100	<100	<50
84-04-02	--	--	0.90	22	--	10	<0.050	0.002	--	--	100	40
84-01-05	--	8.7	--	46	6.0	8.0	0.50	--	--	<100	490	<50
84-03-06	--	--	4.0	4	--	14	3.1	0.001	--	--	100	50
84-06-18	--	--	3.5	27	--	17	2.8	0.003	--	--	300	50
84-02-29	--	5.8	--	9	4.0	6.0	<0.40	--	--	<100	160	<50
84-06-21	--	6.3	--	--	6.0	7.0	<0.20	--	--	<100	220	<50
84-03-22	--	8.2	--	11	14	10	0.40	--	--	<100	180	<50
84-03-05	--	--	1.6	14	--	53	1.1	0.001	--	--	300	60
84-06-18	--	--	1.6	27	--	62	2.5	0.003	--	--	300	40
84-03-05	--	--	0.80	22	--	12	0.37	0.002	--	--	100	80
84-06-18	--	--	0.70	42	--	12	0.64	0.001	--	--	200	30

DATE OF SAMPLE	ZINC, DIS-SOLVED (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
84-03-05	--	--
84-06-20	<400	<0.10
84-04-02	--	--
84-01-05	<400	<0.10
84-03-06	--	--
84-06-18	--	--
84-02-29	<400	<0.10
84-06-21	<400	<0.10
84-03-22	<400	<0.10
84-03-05	--	--
84-06-18	--	--
84-03-05	--	--
84-06-18	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

SUFFOLK COUNTY--Continued

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

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)
405349072234801	S 48441	112GLCLU	84-02-29	61	135	5.6	13.0	11.0	--
		112GLCLU	84-06-24	61	150	7.0	--	9.0	--
404941072414801	S 48442	112GLCLU	84-03-05	55	60	5.4	12.0	11.2	--
		112GLCLU	84-06-18	55	53	5.7	11.0	10.1	--
405838072154001	S 48517	112GLCLU	84-02-28	71	68	5.4	11.0	11.6	--
		112GLCLU	84-04-17	71	68	5.7	11.0	10.4	--
		112GLCLU	84-06-20	71	73	--	11.0	10.5	--
405650072145201	S 48518	112GLCLU	84-02-28	71	73	4.9	11.0	11.4	--
410243071560101	S 48519	112GLCLU	84-04-11	82	160	5.6	12.0	7.8	--
405818072132101	S 48520	112GLCLU	84-04-02	62	135	5.1	11.0	10.4	--
405940072164701	S 48521	112GLCLU	84-04-17	75	105	5.7	11.0	10.7	--
405858072062401	S 48522	112GLCLU	84-04-16	92	125	5.9	11.0	11.0	--

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 FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
84-02-29	--	8.6	--	13	30	14	<0.40	--	--	<100	170	<50
84-06-24	--	9.1	--	--	33	15	1.5	--	--	<100	190	<50
84-03-05	--	--	0.60	4	--	12	0.050	0.002	--	--	500	70
84-06-18	--	5.3	--	22	6.0	9.0	<0.40	--	--	<100	290	<50
84-02-28	--	--	0.70	10	--	13	<0.050	0.002	--	--	100	<20
84-04-17	--	--	0.70	17	--	11	0.050	0.001	--	--	200	20
84-06-20	--	7.5	--	--	7.0	13	<0.20	--	--	<100	<100	<50
84-02-28	--	--	1.3	2	--	14	0.25	0.002	--	--	200	<20
84-04-11	--	18	--	35	9.0	28	1.5	--	--	<100	150	<50
84-04-02	--	--	7.6	11	--	21	3.1	0.005	--	--	400	80
84-04-17	--	--	1.0	13	--	13	5.0	0.002	--	--	300	30
84-04-16	--	--	1.4	13	--	28	0.060	0.002	--	--	300	50

DATE OF SAMPLE	ZINC, DIS-SOLVED (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
84-02-29	<400	<0.10
84-06-24	<400	<0.10
84-03-05	--	--
84-06-18	<400	<0.10
84-02-28	--	--
84-04-17	--	--
84-06-20	<400	<0.10
84-02-28	--	--
84-04-11	<400	<0.10
84-04-02	--	--
84-04-17	--	--
84-04-16	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

SUFFOLK COUNTY--Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)
410149071583201	S 48577	112GLCLU	84-04-12	189	225	5.3	11.0	9.5	--
405928072110401	S 48578	112GLCLU	84-04-03	32	280	4.9	12.0	0.80	--
410316071535501	S 48579	112GLCLU	84-04-05	66	190	5.6	12.0	6.6	--
410024072103201	S 48580	112GLCLU	84-04-03	46	140	4.9	12.0	6.4	--
405225072371001	S 48582	112GLCLU	84-01-04	105	170	5.0	12.0	6.0	--
405139072385001	S 48583	112GLCLU	84-01-05	139	73	5.5	11.0	6.0	--
405139072385002	S 48584	112GLCLU	84-01-05	89	42	5.4	11.0	7.2	--
404641073005402	S 48759	112GLCLU	84-02-06	35	190	5.2	13.0	2.4	--
		112GLCLU	84-06-18	35	260	5.3	11.0	2.6	--
405630072562501	S 49269	112GLCLU	83-11-02	66	900	--	22.0	--	--
404423073084101	S 49396	112GLCLU	83-10-03	23	500	--	18.0	0.80	--

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 FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)
84-04-12	--	72	--	26	<4.0	64	1.1	--	--	<100	150	<50
84-04-03	--	--	3.5	14	--	53	12	0.002	--	--	200	90
84-04-05	--	26	--	30	15	46	1.0	--	--	<100	1500	<50
84-04-03	--	--	1.9	7	--	17	6.4	0.006	--	--	200	50
84-01-04	--	19	--	20	23	26	3.4	--	--	<100	1200	60
84-01-05	--	6.4	--	27	6.0	<4.0	2.5	--	--	<100	1000	--
84-01-05	--	3.6	--	5	<4.0	4.0	<0.40	--	--	<100	1300	<50
84-02-06	--	--	3.8	13	--	32	8.3	0.010	--	--	100	70
84-06-18	--	--	5.0	27	--	32	15	0.005	--	--	200	80
83-11-02	--	21	--	--	18	19	6.1	--	--	<100	390	120
83-10-03	--	--	11	--	--	100	0.60	0.011	--	--	10000	290

DATE OF SAMPLE	ZINC, DISSOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
84-04-12	<400	<0.10
84-04-03	--	--
84-04-05	<400	<0.10
84-04-03	--	--
84-01-04	<400	<0.10
84-01-05	<400	<0.10
84-01-05	<400	<0.10
84-02-06	--	--
84-06-18	--	--
83-11-02	2800	<0.10
83-10-03	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

SUFFOLK COUNTY--Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)
404601073051901	S 49749	112GLCLU	83-10-13	46	310	--	--	--	--
405846072093001	S 49898	112GLCLU	84-04-03	63	81	4.9	12.0	9.2	--
404952073120301	S 49899	112GLCLU	83-10-11	27	205	--	--	0.05	--
410349072222201	S 51169	112GLCLU	84-04-23	56	115	6.0	12.0	9.2	--
		112GLCLU	84-07-11	56	102	5.6	11.5	9.1	7.6
410311072215501	S 51170	112GLCLU	84-04-23	33	110	5.7	11.0	4.5	--
		112GLCLU	84-05-21	33	115	5.8	11.0	4.1	--
		112GLCLU	84-07-16	33	110	5.8	11.5	3.8	4.5
410410072214701	S 51171	112GLCLU	84-07-11	55	160	5.4	11.5	9.0	14
410350072210601	S 51172	112GLCLU	84-05-15	37	270	6.0	11.0	2.7	--
		112GLCLU	84-07-10	37	330	5.4	12.0	1.8	28
410510072212301	S 51173	112GLCLU	84-04-19	51	112	4.5	13.0	10.5	--
		112GLCLU	84-07-16	51	100	5.9	13.5	7.2	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 FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)
83-10-13	--	61	--	--	35	30	1.2	--	--	<100	270	220
84-04-03	--	--	1.1	21	--	11	0.070	0.003	--	--	2700	50
83-10-11	--	22	--	--	23	17	<0.40	--	--	<100	1700	220
84-04-23	--	--	1.0	31	--	13	0.66	0.002	--	--	200	40
84-07-11	4.5	7.2	0.80	8	22	19	0.83	0.002	0.006	--	100	<20
84-04-23	--	--	1.1	12	--	25	0.050	0.002	--	--	300	50
84-05-21	--	--	1.0	22	--	26	0.090	0.002	--	--	200	40
84-07-16	2.5	14	1.1	3	7.2	26	0.13	0.002	0.003	--	100	60
84-07-11	5.0	12	4.4	9	17	13	4.7	0.002	0.002	--	400	30
84-05-15	--	--	10	80	--	57	3.0	0.002	--	--	200	<20
84-07-10	6.0	42	12	17	40	72	1.7	0.005	<0.002	<20	100	--
84-04-19	--	11	--	--	12	12	1.1	--	--	<100	430	<50
84-07-16	2.8	11	1.3	9	14	13	1.0	0.002	<0.002	--	200	40

DATE OF SAMPLE	ZINC, DISSOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
83-10-13	<400	<0.10
84-04-03	--	--
83-10-11	<400	0.20
84-04-23	--	--
84-07-11	--	--
84-04-23	--	--
84-05-21	--	--
84-07-16	--	--
84-07-11	--	--
84-05-15	--	--
84-07-10	--	--
84-04-19	<400	<0.10
84-07-16	--	--

WATER GUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

SUFFOLK COUNTY--Continued

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

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)
410437072205601	S 51174	112GLCLU	84-05-15	63	150	5.3	13.0	10.2	--
410416072205101	S 51175	112GLCLU	84-05-10	60	140	5.9	11.0	9.4	--
		112GLCLU	84-07-16	60	103	5.9	11.5	6.0	10
410430072202301	S 51176	112GLCLU	84-05-09	59	135	4.5	12.0	9.2	--
		112GLCLU	84-07-10	59	123	5.3	12.0	9.1	7.0
410316072192901	S 51177	112GLCLU	84-05-21	39	112	5.7	11.0	4.8	--
		112GLCLU	84-07-03	39	100	6.5	11.5	6.6	7.0
410344072193201	S 51178	112GLCLU	84-05-16	47	135	5.7	12.0	5.4	--
		112GLCLU	84-07-15	47	132	5.8	11.5	6.4	--
410424072192801	S 51179	112GLCLU	84-05-16	67	110	5.7	13.0	11.0	--
		112GLCLU	84-07-09	67	113	5.7	14.0	11.4	8.4
410452072200201	S 51180	112GLCLU	84-05-14	51	150	5.7	11.0	6.4	--
		112GLCLU	84-07-09	51	113	6.1	12.0	12.5	6.8

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 FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
84-05-15	--	--	1.5	25	--	19	2.2	0.002	--	--	100	<20
84-05-10	--	12	--	41	24	15	2.0	--	--	<100	340	50
84-07-16	4.6	12	1.7	8	22	17	2.0	0.001	<0.002	--	200	80
84-05-09	--	13	--	--	12	16	1.5	--	--	<100	510	<50
84-07-10	3.5	12	2.2	11	12	14	1.1	0.002	0.002	--	100	20
84-05-21	--	--	1.0	31	--	22	<0.50	0.001	--	--	1400	30
84-07-03	2.2	10	0.90	--	9.9	18	0.060	0.001	--	--	100	30
84-05-16	--	6.9	--	30	20	9.0	0.40	--	--	<100	240	<50
84-07-15	--	9.5	--	20	23	12	0.70	--	--	<100	<100	<50
84-05-16	--	11	--	23	23	12	0.80	--	--	<100	240	<50
84-07-09	5.3	6.6	1.1	12	27	11	0.060	0.001	0.006	--	100	<20
84-05-14	0.22	--	1.9	43	--	23	1.9	0.006	--	--	3300	--
84-07-09	3.5	7.5	1.8	12	9.5	28	1.8	0.004	0.002	--	300	160

DATE OF SAMPLE	ZINC, DIS-SOLVED (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
84-05-15	--	--
84-05-10	<400	<0.10
84-07-16	--	--
84-05-09	<400	<0.10
84-07-10	--	--
84-05-21	--	--
84-07-03	--	--
84-05-16	<400	<0.10
84-07-15	<400	<0.10
84-05-16	<400	<0.10
84-07-09	--	--
84-05-14	--	--
84-07-09	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

SUFFOLK COUNTY--Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)
410534072194601	S 51181	112QLCLU	84-04-19	74	160	5.8	9.0	5.0	--
410602072195801	S 51182	112QLCLU	84-07-17	76	65	5.4	11.5	6.5	2.6
410334072172701	S 51183	112QLCLU	84-04-18	51	88	6.1	11.0	10.4	--
410147072184101	S 51184	112QLCLU	84-01-25	32	480	5.7	13.0	1.9	--
		112QLCLU	84-03-22	32	500	6.0	12.0	2.1	--
		112QLCLU	84-07-17	32	369	5.7	11.5	6.0	9.0
410132072184601	S 51185	112QLCLU	84-01-25	33	100	5.6	12.0	6.1	--
		112QLCLU	84-03-22	33	115	5.6	11.0	3.8	--
410047072184701	S 51186	112QLCLU	84-01-25	42	180	5.6	11.0	7.0	--
		112QLCLU	84-03-22	42	170	5.0	11.0	7.5	--
404715073034401	S 51228	112QLCLU	83-10-11	32	300	--	24.0	1.4	--
405147073125601	S 51265	112QLCLU	83-10-11	72	250	--	19.0	0.20	--

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 FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)
84-04-19	--	10	--	--	31	14	4.9	--	--	<100	<100	<50
84-07-17	2.3	6.8	0.90	4	8.0	10	<0.050	0.002	<0.002	--	100	110
84-04-18	--	8.4	--	41	7.0	5.0	<0.040	--	--	<100	270	<50
84-01-25	--	97	--	23	54	180	2.0	--	--	<100	540	70
84-03-22	--	120	--	14	51	160	1.7	--	--	<100	250	70
84-07-17	8.5	100	3.7	13	40	160	0.98	0.002	<0.002	--	500	90
84-01-25	--	13	--	13	15	23	<0.40	--	--	<100	<50	--
84-03-22	--	14	--	30	16	29	0.50	--	--	<100	320	<50
84-01-25	--	23	--	21	23	29	3.5	--	--	<100	230	<50
84-03-22	--	20	--	16	21	29	4.2	--	--	<100	220	<50
83-10-11	--	47	--	--	34	36	9.1	--	--	<100	380	<50
83-10-11	--	38	--	--	29	22	10	--	--	<100	170	660

DATE OF SAMPLE	ZINC, DISSOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
84-04-19	<400	<0.10
84-07-17	--	--
84-04-18	<400	<0.10
84-01-25	<400	<0.10
84-03-22	--	<0.10
84-07-17	--	--
84-01-25	<400	<0.10
84-03-22	<400	<0.10
84-01-25	<400	<0.10
84-03-22	<400	<0.10
83-10-11	<400	<0.10
83-10-11	<400	<0.10

WATER GUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

SUFFOLK COUNTY--Continued

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

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)
405716072413301	S 51566	112GLCLU	84-03-15	89	400	5.3	12.0	10.3	--
		112GLCLU	84-06-27	89	380	5.5	12.0	9.1	--
		112GLCLU	84-07-25	89	287	5.3	11.5	7.9	--
405653072422501	S 51567	112GLCLU	83-10-19	92	273	5.5	11.0	9.8	56
		112GLCLU	83-12-05	92	300	5.9	11.0	10.2	54
		112GLCLU	84-01-08	92	250	5.6	11.0	7.4	--
		112GLCLU	84-07-25	92	273	5.3	11.5	9.2	--
405808072385401	S 51568	112GLCLU	84-03-08	70	225	6.1	12.0	9.4	--
		112GLCLU	84-06-26	70	230	6.3	12.0	9.3	--
405805072403701	S 51571	112GLCLU	83-10-19	108	182	5.5	11.2	11.6	27
		112GLCLU	83-11-16	108	194	5.6	11.2	10.0	28
		112GLCLU	83-12-05	108	190	5.9	--	11.0	27
		112GLCLU	84-03-08	108	220	5.7	11.0	11.2	--
		112GLCLU	84-06-25	108	225	5.6	12.0	7.6	--
405542072445302	S 51572	112GLCLU	84-03-12	43	270	5.1	12.0	2.4	--
		112GLCLU	84-06-25	43	330	5.4	12.0	0.25	--

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 FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
84-03-15	--	10	--	10	160	27	12	--	--	<100	160	<50
84-06-27	--	10	--	31	130	25	12	--	--	<100	150	<50
84-07-25	--	9.9	--	5	130	27	12	--	--	<100	<100	<50
83-10-19	8.8	8.2	2.4	86	120	32	10	0.004	0.003	--	300	30
83-12-05	6.6	8.4	2.7	9	120	29	10	0.004	0.002	--	300	50
84-01-08	--	--	2.8	13	--	30	11	0.009	--	--	500	50
84-07-25	--	9.2	--	5	130	34	10	--	--	<100	500	<50
84-03-08	--	29	--	18	34	32	5.5	--	--	<100	200	50
84-06-26	--	--	4.1	29	--	29	6.2	0.006	--	--	300	30
83-10-19	6.5	7.4	3.0	8	62	18	4.8	0.004	<0.002	--	300	<20
83-11-16	6.4	7.5	3.4	8	62	30	4.4	0.004	<0.002	--	400	40
83-12-05	6.4	7.6	3.0	8	64	19	4.4	0.004	<0.002	--	200	40
84-03-08	--	6.6	--	11	57	19	4.9	--	--	<100	440	<50
84-06-25	--	--	3.9	18	--	20	5.4	0.002	--	--	400	30
84-03-12	--	--	9.4	8	--	38	16	0.009	--	--	2100	1400
84-06-25	--	--	10	35	--	38	19	0.020	--	--	2200	1600

DATE OF SAMPLE	ZINC, DIS-SOLVED (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
84-03-15	<400	<0.10
84-06-27	<400	<0.10
84-07-25	<400	<0.10
83-10-19	--	--
83-12-05	--	--
84-01-08	--	--
84-07-25	<400	<0.10
84-03-08	<400	<0.10
84-06-26	--	--
83-10-19	--	--
83-11-16	--	--
83-12-05	--	--
84-03-08	<400	<0.10
84-06-25	--	--
84-03-12	--	--
84-06-25	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

SUFFOLK COUNTY--Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)
405512072395201	S 51573	112GLCLU	84-01-26	90	120	6.8	13.0	1.4	--
		112GLCLU	84-03-06	90	118	7.0	14.0	0.95	--
		112GLCLU	84-06-21	90	120	--	14.0	0.15	--
405544072411801	S 51575	112GLCLU	84-01-08	34	85	5.8	14.0	1.8	--
		112GLCLU	84-07-23	34	85	6.2	13.0	0.45	--
405559072425201	S 51576	112GLCLU	84-01-08	69	100	5.4	11.0	8.5	--
		112GLCLU	84-07-26	69	68	5.1	11.5	6.8	--
405630072442001	S 51577	112GLCLU	84-07-26	95	261	5.2	11.0	9.6	--
405721072453701	S 51578	112GLCLU	84-01-30	126	270	5.1	11.0	11.0	--
		112GLCLU	84-07-25	126	151	5.1	11.0	8.7	--
405542072463001	S 51579	112GLCLU	84-01-30	87	79	5.1	12.0	7.2	--
		112GLCLU	84-07-19	87	57	5.5	12.0	7.6	--
405714072470901	S 51580	112GLCLU	84-01-30	135	140	5.1	11.0	10.6	--
		112GLCLU	84-07-19	135	118	5.4	11.0	9.3	--

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 FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)
84-01-26	--	6.4	--	65	15	7.0	<0.40	--	--	<100	130	50
84-03-06	--	--	1.0	71	--	6.1	0.060	0.001	--	--	200	100
84-06-21	--	5.2	--	--	<4.0	5.0	<0.20	--	--	<100	220	60
84-01-08	--	--	1.2	47	--	7.7	0.21	0.003	--	--	3700	120
84-07-23	--	7.5	--	35	12	13	<0.20	--	--	<100	4100	150
84-01-08	--	--	4.2	45	--	6.6	3.3	0.005	--	--	200	270
84-07-26	--	3.0	--	3	15	5.0	2.7	--	--	<100	120	150
84-07-26	--	7.3	--	4	120	21	10	--	--	<100	150	470
84-01-30	--	--	1.3	7	--	21	9.1	0.003	--	--	100	40
84-07-25	--	6.3	--	3	57	14	4.5	--	--	<100	<100	<50
84-01-30	--	--	1.1	14	--	6.4	1.1	0.003	--	--	300	30
84-07-19	--	5.0	--	3	16	6.0	0.50	--	--	<100	230	<50
84-01-30	--	--	3.5	9	--	13	5.0	0.002	--	--	200	50
84-07-19	--	10	--	3	27	14	6.4	--	--	<100	720	<50

DATE OF SAMPLE	ZINC, DISSOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
84-01-26	<400	<0.10
84-03-06	--	--
84-06-21	<400	<0.10
84-01-08	--	--
84-07-23	<400	<0.10
84-01-08	--	--
84-07-26	<400	<0.10
84-07-26	<400	<0.10
84-01-30	--	--
84-07-25	<400	<0.010
84-01-30	--	--
84-07-19	<400	<0.10
84-01-30	--	--
84-07-19	<400	<0.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

SUFFOLK COUNTY--Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)
405722072342001	S 51581	112GLCLU	83-12-06	45	340	5.9	12.0	8.8	--
		112GLCLU	84-03-08	45	320	6.2	12.0	8.1	--
		112GLCLU	84-06-26	45	310	6.3	11.0	6.8	--
405853072353901	S 51582	112GLCLU	84-03-07	84	300	5.7	11.0	11.1	--
		112GLCLU	84-06-25	84	270	5.7	12.0	10	--
405500072495201	S 51583	112GLCLU	84-01-30	51	48	5.1	11.0	7.0	--
		112GLCLU	84-07-19	51	39	5.3	11.5	5.4	--
405757072491801	S 51584	112GLCLU	84-01-10	142	85	5.6	11.0	--	--
405642072491901	S 51586	112GLCLU	84-07-19	100	40	5.4	10.5	11.0	--
405809072370901	S 51587	112GLCLU	84-03-07	80	310	5.8	12.0	9.1	--
		112GLCLU	84-06-26	80	280	6.2	12.0	8.3	--
405634072380501	S 51588	112GLCLU	84-03-07	60	270	5.8	12.0	7.0	--
		112GLCLU	84-06-21	60	280	--	11.0	10.2	--
		112GLCLU	84-07-26	60	178	6.0	12.0	7.5	--

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 FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)
83-12-06	--	11	--	--	130	26	8.0	--	--	<100	510	<50
84-03-08	--	8.2	--	10	130	32	5.7	--	--	<100	320	<50
84-06-26	--	--	4.3	25	--	24	5.0	0.002	--	--	400	30
84-03-07	--	11	--	14	98	17	10	--	--	<100	<100	<50
84-06-25	--	--	4.0	25	--	17	7.8	0.006	--	--	200	<20
84-01-30	--	--	3.6	4	--	7.8	0.23	0.003	--	--	300	70
84-07-19	--	4.8	--	2	6.0	6.0	0.40	--	--	<100	170	<50
84-01-10	--	--	0.90	17	--	13	0.13	0.002	--	--	300	40
84-07-19	--	4.1	--	3	9.0	6.0	<0.20	--	--	<100	230	<50
84-03-07	--	14	--	17	64	28	21	--	--	<100	170	270
84-06-26	--	--	11	30	--	27	8.3	0.032	--	--	300	320
84-03-07	--	10	--	16	73	22	9.8	--	--	<100	3000	220
84-06-21	--	8.8	--	--	64	23	9.6	--	--	<100	3400	250
84-07-26	--	5.1	--	18	66	21	9.0	--	--	<100	2000	210

DATE OF SAMPLE	ZINC, DISSOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
83-12-06	<400	<0.10
84-03-08	<400	<0.10
84-06-26	--	--
84-03-07	<400	<0.10
84-06-25	--	--
84-01-30	--	--
84-07-19	<400	<0.10
84-01-10	--	--
84-07-19	<400	<0.10
84-03-07	<400	<0.10
84-06-26	--	--
84-03-07	<400	<0.10
84-06-21	<400	<0.10
84-07-26	<400	<0.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

SUFFOLK COUNTY--Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)
405704072361401	S 51589	112GLCLU	84-03-07	44	220	5.2	11.0	7.8	--
		112GLCLU	84-06-25	44	150	5.4	11.0	5.2	--
		112GLCLU	84-07-30	44	78	4.8	11.0	6.2	--
405418072470601	S 51591	112GLCLU	84-01-11	30	66	5.1	12.0	2.3	--
		112GLCLU	84-07-18	30	56	5.2	12.0	3.4	6.2
405349072494101	S 51592	112GLCLU	84-01-11	42	87	4.9	11.0	5.2	--
		112GLCLU	84-07-18	42	64	5.6	11.5	6.5	1.8
410400072202001	S 52050	112GLCLU	84-05-14	64	175	4.7	13.0	7.9	--
		112GLCLU	84-07-05	64	245	5.7	13.0	13.4	--
410516072200901	S 52084	112GLCLU	84-05-10	74	115	5.5	12.0	9.4	--
		112GLCLU	84-05-10	74	115	5.5	12.0	9.4	--
		112GLCLU	84-07-09	74	111	6.2	12.0	10.0	8.6
405542072445301	S 52383	112GLCLU	84-01-31	64	88	5.1	10.0	11.0	--
		112GLCLU	84-07-23	64	57	5.3	12.0	8.3	--

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 FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)
84-03-07	--	29	--	7	20	48	2.5	--	--	<100	240	140
84-06-25	--	--	2.8	23	--	33	1.3	0.002	--	--	400	100
84-07-30	--	11	--	3	15	15	1.8	--	--	<100	420	110
84-01-11	--	3.4	--	13	15	7.0	<0.40	--	--	<100	3400	360
84-07-18	1.2	4.6	1.5	6	14	5.5	0.11	0.002	0.002	--	2400	620
84-01-11	--	10	--	3	8.0	18	<0.40	--	--	<100	410	70
84-07-18	1.0	10	0.80	3	9.6	16	0.38	0.002	<0.002	--	200	80
84-05-14	--	--	6.8	22	--	12	5.6	0.002	--	--	500	50
84-07-05	--	21	--	16	22	20	16	--	--	<100	140	<50
84-05-10	--	7.2	--	40	13	12	1.5	--	--	<100	120	<50
84-05-10	--	7.2	--	40	13	12	1.5	--	--	<100	120	<50
84-07-09	3.9	7.0	1.3	9	14	14	1.1	0.002	0.002	--	60	<20
84-01-31	--	--	4.5	4	--	14	2.1	0.004	--	--	100	120
84-07-23	--	7.6	--	8	4.0	10	1.1	--	--	<100	<100	80

DATE OF SAMPLE	ZINC, DISSOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
84-03-07	<400	<0.10
84-06-25	--	--
84-07-30	700	<0.10
84-01-11	<400	<0.10
84-07-18	--	--
84-01-11	<400	<0.10
84-07-18	--	--
84-05-14	--	--
84-07-05	<400	<0.10
84-05-10	<400	<0.10
84-05-10	<400	<0.10
84-07-09	--	--
84-01-31	--	--
84-07-23	<400	<0.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

SUFFOLK COUNTY--Continued

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

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)
404523073181101	S 52384	112GLCLU	83-10-03	33	360	--	--	1.3	--
405512072395202	S 52449	112GLCLU	84-03-06	40	155	5.8	14.0	1.3	--
		112GLCLU	84-06-21	40	155	--	13.0	0.20	--
404639073034901	S 52641	112GLCLU	83-10-13	35	300	--	--	0.05	--
405513072505401	S 52886	112GLCLU	84-01-10	57	125	5.5	11.0	10.5	--
410057072315501	S 53322	112GLCLU	84-03-20	100	235	4.5	11.0	9.8	--
410702072221601	S 53323	112GLCLU	84-03-15	52	200	5.8	13.0	8.5	--
410104072303301	S 53324	112GLCLU	83-10-04	62	325	5.5	13.0	8.6	--
		112GLCLU	83-10-19	62	300	5.4	12.2	8.6	34
		112GLCLU	83-10-31	62	310	5.5	12.9	8.7	34
		112GLCLU	83-11-16	62	328	5.5	12.3	9.0	33
		112GLCLU	83-12-05	62	328	5.3	12.1	8.5	33
		112GLCLU	84-03-19	62	360	5.4	13.0	10.2	--

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 FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
83-10-03	--	--	7.4	--	--	26	<0.20	<0.002	--	--	3400	140
84-03-06	--	--	2.6	28	--	14	3.6	0.007	--	--	100	40
84-06-21	--	8.2	--	--	25	11	3.9	--	--	<100	200	50
83-10-13	--	46	--	--	72	30	13	--	--	<100	7400	100
84-01-10	--	--	2.3	9	--	14	3.9	0.002	--	--	200	20
84-03-20	--	--	--	--	--	21	4.6	0.001	--	--	--	--
84-03-15	--	21	--	18	31	32	4.2	--	--	<100	220	<50
83-10-04	--	--	--	8	--	75	7.7	0.003	--	--	--	--
83-10-19	6.0	40	5.8	7	68	73	7.9	0.002	0.004	--	400	40
83-10-31	6.2	44	6.2	8	70	72	8.0	<0.002	--	--	300	100
83-11-16	6.0	45	6.5	7	73	72	7.8	0.002	0.004	--	400	70
83-12-05	6.0	45	5.5	6	73	71	7.9	0.004	0.002	--	400	70
84-03-19	--	--	8.0	14	--	67	8.2	0.008	--	--	400	20

DATE OF SAMPLE	ZINC, DIS-SOLVED (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
83-10-03	--	--
84-03-06	--	--
84-06-21	<400	<0.10
83-10-13	<400	<0.10
84-01-10	--	--
84-03-20	--	--
84-03-15	<400	<0.10
83-10-04	--	--
83-10-19	--	--
83-10-31	--	--
83-11-16	--	--
83-12-05	--	--
84-03-19	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

SUFFOLK COUNTY--Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)
410007072331901	S 53325	112GLCLU	84-03-20	68	350	4.8	12.0	9.2	--
		112GLCLU	84-06-28	68	330	6.3	12.0	8.2	--
410022072293601	S 53327	112GLCLU	84-03-21	44	210	4.4	12.0	6.0	--
410234072243601	S 53328	112GLCLU	84-03-19	41	145	4.5	13.0	6.6	--
410140072281601	S 53329	112GLCLU	83-10-04	71	245	6.3	11.2	4.5	--
		112GLCLU	83-10-19	71	235	5.8	11.0	6.0	37
		112GLCLU	83-10-31	71	251	6.0	10.7	7.2	--
		112GLCLU	83-11-16	71	268	5.9	10.9	6.2	38
		112GLCLU	83-12-05	71	269	6.0	10.8	6.5	31
		112GLCLU	84-03-12	71	300	6.0	11.0	6.4	--
		112GLCLU	84-06-27	71	310	5.4	11.0	5.7	--
410706072203201	S 53330	112GLCLU	84-03-14	52	255	5.7	13.0	7.4	--
410753072205501	S 53331	112GLCLU	84-03-14	70	115	5.6	12.0	11.0	--

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 FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)
84-03-20	--	--	3.2	15	--	20	8.8	0.002	--	--	600	40
84-06-28	--	9.5	--	--	93	24	8.5	--	--	<100	490	<50
84-03-21	--	12	--	--	84	23	11	--	--	<100	180	<50
84-03-19	--	--	4.9	--	--	16	5.4	0.002	--	--	100	70
83-10-04	--	--	--	24	--	29	8.3	0.007	--	--	--	--
83-10-19	10	12	2.4	55	92	28	8.1	0.004	0.002	--	200	30
83-10-31	10	13	2.6	17	88	29	8.2	0.005	0.003	--	200	60
83-11-16	10	15	2.9	16	81	30	8.2	0.004	0.004	--	300	60
83-12-05	8.5	12	2.8	16	94	30	8.2	0.004	<0.002	--	200	60
84-03-12	--	--	3.3	18	--	41	7.5	0.005	--	--	400	40
84-06-27	--	24	--	--	76	39	7.0	--	--	450	430	<50
84-03-14	--	29	--	29	36	34	9.6	--	--	1300	270	<50
84-03-14	--	13	--	15	20	19	<0.40	--	--	<100	400	<50

DATE OF SAMPLE	ZINC, DISSOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
84-03-20	--	--
84-06-28	<400	<0.10
84-03-21	<400	<0.10
84-03-19	--	--
83-10-04	--	--
83-10-19	--	--
83-10-31	--	--
83-11-16	--	--
83-12-05	--	--
84-03-12	--	--
84-06-27	700	<0.10
84-03-14	500	<0.10
84-03-14	<400	<0.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

SUFFOLK COUNTY--Continued

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

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)
405843072324301	S 53332	112GLCLU	84-03-21	45	91	4.6	11.0	7.0	--
405924072342301	S 53333	112GLCLU	84-03-21	74	95	5.4	11.0	8.9	--
405959072303901	S 53334	112GLCLU	84-03-20	53	180	5.6	13.0	6.9	--
		112GLCLU	84-06-28	53	140	5.8	14.0	4.6	--
410304072262701	S 53335	112GLCLU	84-03-12	37	300	5.6	12.0	8.2	--
		112GLCLU	84-06-27	37	300	5.8	11.0	7.3	--
410017072315501	S 53336	112GLCLU	84-03-20	42	290	5.1	12.0	2.4	--
		112GLCLU	84-06-28	42	240	6.4	12.0	2.9	--
410906072171301	S 53337	112GLCLU	84-03-13	52	480	6.6	12.0	4.2	--
410412072261301	S 53338	112GLCLU	84-03-19	65	215	5.3	12.0	10.9	--
410004072264001	S 53537	112GLCLU	84-03-12	66	>1000	6.8	11.0	1.3	--
		112GLCLU	84-06-27	66	>1000	6.6	11.0	0.30	--

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 FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
84-03-21	--	5.1	--	1	26	5.0	1.3	--	--	<100	140	<50
84-03-21	--	6.5	--	23	15	8.0	1.7	--	--	<100	150	<50
84-03-20	--	--	6.0	23	--	17	3.3	0.018	--	--	7500	360
84-06-28	--	7.6	--	--	23	21	0.30	--	--	<100	6800	230
84-03-12	--	--	5.6	15	--	20	11	0.003	--	--	200	<20
84-06-27	--	8.6	--	29	76	19	10	--	--	<100	210	<50
84-03-20	--	--	14	10	--	39	14	0.006	--	--	200	100
84-06-28	--	14	--	--	51	22	7.2	--	--	<100	280	90
84-03-13	--	--	3.2	31	--	77	7.3	0.130	--	--	1000	120
84-03-19	--	--	9.5	18	--	21	7.4	0.001	--	--	100	<20
84-03-12	--	--	29	183	--	80	<0.050	--	--	--	18000	9000
84-06-27	--	3000	--	--	1700	7400	<0.20	--	--	<100	10000	5100

DATE OF SAMPLE	ZINC, DIS-SOLVED (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
84-03-21	<400	<0.10
84-03-21	<400	<0.10
84-03-20	--	--
84-06-28	<400	<0.10
84-03-12	--	--
84-06-27	<400	<0.10
84-03-20	--	--
84-06-28	<900	<0.10
84-03-13	--	--
84-03-19	--	--
84-03-12	--	--
84-06-27	<400	<0.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

SUFFOLK COUNTY--Continued

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

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)
410604072222201	S 53539	112QLCLU	84-03-15	37	150	5.3	13.0	9.0	--
405230073081901	S 54665	112QLCLU	83-10-11	47	310	--	25.0	0.05	--
404458073062201	S 56029	112QLCLU	83-10-12	42	160	--	14.0	4.2	--
404500073062101	S 56030	112QLCLU	83-10-12	36	205	--	14.0	8.4	--
410040072002501	S 58921	112QLCLU	84-04-12	75	150	5.4	11.0	10.0	--
410356071544201	S 58922	112QLCLU	84-04-05	56	115	5.5	12.0	10.6	--
410401071570202	S 58923	112QLCLU	84-04-11	92	72	5.8	11.0	8.8	--
405933072093401	S 58924	112QLCLU	84-04-03	139	100	4.9	11.0	12.8	--
405950072124501	S 58925	112QLCLU	84-04-04	92	54	5.0	11.0	12.6	--
405607072225801	S 58957	112QLCLU	84-04-02	203	76	5.3	11.0	12.1	--

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 FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
84-03-15	--	10	--	21	28	15	3.0	--	--	<100	120	<50
83-10-11	--	41	--	--	32	35	2.1	--	--	--	6500	200
83-10-12	--	13	--	--	42	15	3.1	--	--	<100	640	1500
83-10-12	--	20	--	--	15	28	13	--	--	<100	110	320
84-04-12	--	19	--	31	4.0	35	1.8	--	--	<100	160	<50
84-04-05	--	14	--	23	11	17	1.1	--	--	<100	<100	<50
84-04-11	--	6.9	--	22	<4.0	8.0	0.60	--	--	<100	<100	<50
84-04-03	--	--	0.80	15	--	18	<0.50	0.001	--	--	200	<20
84-04-04	--	6.6	--	7	8.0	8.0	<0.40	--	--	<100	<100	<50
84-04-02	--	--	1.1	26	--	15	0.26	0.004	--	--	<50	<20

DATE OF SAMPLE	ZINC, DIS-SOLVED (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
84-03-15	<400	<0.10
83-10-11	<400	0.10
83-10-12	500	<0.10
83-10-12	400	<0.10
84-04-12	<400	<0.10
84-04-05	<400	<0.10
84-04-11	<400	<0.10
84-04-03	--	--
84-04-04	<400	<0.10
84-04-02	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

SUFFOLK COUNTY--Continued

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

STATION NUMBER	LOCAL IDENT-I-FIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE (UMHOS)	PH (STAND-ARD UNITS)	TEMPER-ATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)
405243073070401	S 59259	112GLCLU	83-10-06	98	340	--	16.0	0.05	--
405602072353802	S 71566	112GLCLU	83-11-28	25	160	4.7	13.0	6.0	--
405623072350102	S 71567	112GLCLU	83-11-28	17	180	5.8	11.0	0.1	--
405639072342501	S 71568	112GLCLU	83-11-29	17	300	5.1	15.0	8.5	--
405655072334702	S 71569	112GLCLU	83-11-30	32	280	5.5	12.0	4.5	--
405728072342402	S 71570	112GLCLU	83-12-06	52	420	5.4	12.0	5.0	--
405730072351701	S 71578	112GLCLU	83-12-06	46	310	--	11.0	--	--
405701072345201	S 71579	112GLCLU	83-11-30	26	165	6.2	15.0	0.05	--
405602072353801	S 72840	112GLCLU	83-11-28	45	650	4.8	11.0	0.3	--
405623072350101	S 72841	112GLCLU	83-11-28	40	190	4.6	14.0	3.0	--

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 FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	PHOS-PHORUS, TOTAL (MG/L AS P)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
83-10-06	--	53	--	--	22	40	<0.40	--	--	<100	260	2800
83-11-28	--	--	7.2	--	--	15	4.5	0.003	--	--	100	120
83-11-28	--	--	6.8	--	--	29	3.1	0.006	--	150	200	--
83-11-29	--	12	--	--	140	46	10	--	--	<100	<100	540
83-11-30	--	41	--	--	120	30	11	--	--	<100	26000	70
83-12-06	--	12	--	--	200	31	12	--	--	<100	100	<50
83-12-06	--	26	--	--	77	26	10	--	--	<100	<100	<50
83-11-30	--	6.0	--	--	12	43	<0.40	--	--	<100	130	310
83-11-28	--	--	4.6	--	--	710	1.7	0.028	--	--	15000	1600
83-11-28	--	--	7.8	--	--	29	8.4	0.003	--	--	200	610

DATE OF SAMPLE	ZINC, DIS-SOLVED (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
83-10-06	<400	0.40
83-11-28	--	--
83-11-28	--	--
83-11-29	1000	<0.10
83-11-30	<400	<0.10
83-12-06	<400	<0.10
83-12-06	<400	<0.10
83-11-30	600	<0.10
83-11-28	--	--
83-11-28	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1983 TO SEPTEMBER 1984

SUFFOLK COUNTY--Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (UMHOS)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)
405639072342502	S 72842	112GLCLU	83-11-29	34	220	5.5	13.0	4.6	--
405730072351702	S 72846	112GLCLU	83-12-06	65	250	6.6	11.0	--	--
405701072345202	S 72847	112GLCLU	83-11-30	45	280	6.6	12.0	0.05	--

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 FIELD (MG/L AS CACO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	COPPER, DISSOLVED (UG/L AS CU)	IRON, DISSOLVED (UG/L AS FE)	MANGANESE, DISSOLVED (UG/L AS MN)
83-11-29	--	14	--	--	80	28	10	--	--	<100	<100	<50
83-12-06	--	16	--	--	58	22	6.6	--	--	<100	<100	<50
83-11-30	--	41	--	--	16	94	<0.40	--	--	<100	4800	6200

DATE OF SAMPLE	ZINC, DISSOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
83-11-29	<400	<0.10
83-12-06	<400	<0.10
83-11-30	<400	<0.10

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.
- 112PGQF - Port Washington Aquifer, Pleistocene age.
- 211LLYD - Lloyd Aquifer, Cretaceous age.
- 211MGTY - Magothy Aquifer, Cretaceous age.
- 211RNCF - Raritan Confining Unit, Cretaceous age.

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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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