

R
(200)
Ga3
new york
1985, vol. 2



Water Resources Data New York Water Year 1985

Volume 2. Long Island



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT NY-85-2
Prepared in cooperation with the State of New York
and with other agencies

CALENDAR FOR WATER YEAR 1985

1984

OCTOBER

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

NOVEMBER

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

DECEMBER

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

1985

JANUARY

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

FEBRUARY

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28		

MARCH

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

APRIL

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

MAY

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

JUNE

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

JULY

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

AUGUST

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

SEPTEMBER

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					



Water Resources Data New York Water Year 1985

Volume 2. Long Island

by A.G. Spinello, J.H. Nakao, and R.B. Winowitch



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT NY-85-2
Prepared in cooperation with the State of New York
and with other agencies

UNITED STATES DEPARTMENT OF THE INTERIOR

DONALD PAUL HODEL, Secretary

GEOLOGICAL SURVEY

Dallas L. Peck, Director

For information on the water program in New York write to
District Chief, Water Resources Division
U.S. Geological Survey
U.S. Post Office and Courthouse
P.O. Box 1669
Albany, New York 12201

or

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

1986

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:

R. J. Busciolano	P. L. Maniscalco
G. E. DeBrava	E. F. Rossano

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

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

REPORT DOCUMENTATION PAGE	1. REPORT NO. USGS/WRD/HD-37/214	2.	3. Recipient's Accession No.
4. Title and Subtitle Water Resources Data - New York, Water Year 1985 Volume 2. Long Island			5. Report Date January 1987
7. Author(s) A. G. Spinello, J. H. Nakao, and R. B. Winowitch			6.
9. Performing Organization Name and Address U.S. Geological Survey, Water Resources Division 5 Aerial Way Syosset, New York 11791			8. Performing Organization Rept. No. USGS-WDR-NY-85-2
12. Sponsoring Organization Name and Address U.S. Geological Survey, Water Resources Division U.S. Post Office and Courthouse P. O. Box 1669 Albany, New York 12201			10. Project/Task/Work Unit No.
			11. Contract(C) or Grant(G) No. (C) (G)
			13. Type of Report & Period Covered Annual - October 1, 1984 to September 30, 1985
15. Supplementary Notes Prepared in cooperation with the State of New York and other agencies.			14.
16. Abstract (Limit: 200 words) Water resources data for the 1985 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 16 gaging stations, 850 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.			
17. Document Analysis a. Descriptors *New York, *Hydrologic data, *Groundwater, *Surface waters, *Water quality, Gaging Stations, Streamflow, Flow rates, Lakes, Reservoirs, Chemical analysis, Sediments, Water temperature, Water analysis, Water levels, Water wells, Data collections, Sites. b. Identifiers/Open-Ended Terms c. COSATI Field/Group			
18. Availability Statement: This report may be purchased from: National Technical Information Service Springfield, VA 22161		19. Security Class (This Report) UNCLASSIFIED	21. No. of Pages 304
		20. Security Class (This Page) UNCLASSIFIED	22. Price

CONTENTS

	Page
Preface.....	iii
List of gaging stations, in downstream order, for which records are published.....	vi
Introduction.....	1
Cooperation.....	2
Summary of hydrologic conditions.....	2
Definition of terms.....	3
Downstream order and station numbers.....	10
Numbering system for wells.....	10
Special networks and programs.....	11
Explanation of stage and water-discharge records.....	11
Collection and computation of data.....	11
Accuracy of field data and computed results.....	13
Other data available.....	13
Explanation of water-quality records.....	14
Classification of records.....	14
Arrangement of records.....	14
Descriptive headings.....	14
Revisions.....	14
Water analysis.....	14
Water temperatures.....	15
Sediment.....	15
Explanation of ground-water level records.....	15
Collection of data.....	15
Access to WATSTORE data.....	16
Publications on techniques of water-resources investigations.....	17
Gaging station records.....	31
Discharge at partial-record stations and miscellaneous sites.....	70
Low-flow partial-record stations.....	70
Ground-water records.....	77
Ground-water level records.....	77
Quality of ground-water records.....	149
Quality of ground-water records, Suffolk County Well Index.....	196
Index.....	303

ILLUSTRATIONS

Figure 1. System for numbering wells.....	10
2. Hydrographic comparisons, East Meadow Brook at Freeport.....	18
3. Hydrographic comparisons, Nissequogue River near Smithtown.....	19
4. Hydrograph of water-table observation well S4271 at Riverhead.....	20
5. Hydrograph of water-table observation well N1259 at Plainedge.....	21
6A. Map showing location of surface-water data collection stations in Kings Queens, and Nassau Counties.....	22
6B. Map showing location of surface-water data collection stations in west half of Suffolk County.....	23
6C. Map showing location of surface-water data collection stations in east half of Suffolk County.....	24
7A. Map showing location of water-level data collection stations in Kings, Queens, and Nassau Counties.....	25
7B. Map showing location of water-level data collection stations in west half of Suffolk County.....	26
7C. Map showing location of water-level data collection stations in east half of Suffolk County.....	27
8A. Map showing location of quality of ground-water data collection stations in Kings, Queens, and Nassau Counties.....	28
8B. Map showing location of quality of ground-water data collection stations in west half of Suffolk County.....	29
8C. Map showing location of quality of ground-water data collection stations in east half of Suffolk County.....	30

TABLE

Table 1. Factors for converting inch-pound units to International System Units (SI).....	inside of back cover
---	----------------------------

[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]

<u>STREAMS ON LONG ISLAND</u>	Page
Glen Cove Creek at Glen Cove (dct).....	31
Mill Neck Creek at Mill Neck (dct).....	33
Cold Spring Brook at Cold Spring Harbor (d).....	35
Nissequogue River near Smithtown (dcts).....	36
Peconic River at Riverhead (dct).....	41
Carmans River at Yaphank (dcts).....	43
Swan River at East Patchogue (dct).....	48
Patchogue River at Patchogue (ct).....	50
Connetquot Brook at Central Islip (d).....	51
Connetquot Brook near Central Islip (d).....	52
Connetquot River near Oakdale (dct).....	53
Champlin Creek at Islip (ct).....	55
Penataquit Creek at Bay Shore (ct).....	56
Sampawams Creek at Babylon (dct).....	57
Carlls River at Babylon (dct).....	59
Santapogue Creek at Lindenhurst (ct).....	61
Massapequa Creek at Massapequa (dct).....	62
Bellmore Creek at Bellmore (dct).....	64
East Meadow Brook at Freeport (dct).....	66
Pines Brook at Malverne (d).....	68
Valley Stream at Valley Stream (d).....	69

WATER RESOURCES DATA FOR NEW YORK, 1985
Volume 2.--Long Island

INTRODUCTION

Water resources data for the 1985 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 16 gaging stations, 850 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-85-2". 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 programs 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 U.S. Geological 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

Streamflow and ground-water levels at the beginning of the 1985 water year were near or slightly above average. They declined slowly until May or June, then leveled off in response to above-average precipitation; in July they began a decline that continued through September, at which time they were near or slightly below average (figs. 2-5).

Maximum stream discharges of 1985 were scattered throughout the year; heavy localized precipitation caused streams in southern Nassau County to peak on February 12, and Hurricane Gloria caused streams in northern Nassau County to peak on September 27. Maximum monthly mean discharges at most stations occurred in October or November (the beginning of the water year); minimum monthly mean discharges occurred in August or September (the end of the water year).

Ground-water levels in most wells screened in the water-table aquifer continued a decline from the normal seasonal decline of the previous water year in response to slightly below-average precipitation. Ground-water levels in most wells screened in the Lloyd and Magothy aquifers also declined from last year.

The concentrations of inorganic constituents of surface water and ground water during the 1985 water year did not change significantly from the previous year. Dissolved-solids concentrations in ground water were greatest in the upper glacial aquifer, where specific conductance had a maximum value of 1,030 $\mu\text{S}/\text{cm}$ and averaged 168 $\mu\text{S}/\text{cm}$. However, significant concentrations of dissolved solids have also been detected in the upper part of the Magothy aquifer, where specific conductance averaged 92 $\mu\text{S}/\text{cm}$.

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 facultative anaerobic, gram-negative, nonspore-forming, rod-shaped bacteria which ferment lactose with gas formation within 48 hours at 35°C. In the laboratory these bacteria are defined as the organisms which produce colonies within 24 hours when incubated at 35°C \pm 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 \pm 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 \pm 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/m³), and periphyton and benthic organisms in grams per square meter (g/m²).

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 (FT³/S, ft³/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 μ m 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 ($\mu\text{g/g}$) 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, $\mu\text{g/L}$) 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 naphthalenes (PCNs) are industrial chemicals that are mixtures of chlorinated naphthalene 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 [$\text{mg C}/(\text{m}^2 \cdot \text{time})$ for periphyton and macrophytes and $\text{mg C}/(\text{m}^3 \cdot \text{time})$ 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 [$\text{mg O}_2/(\text{m}^2 \cdot \text{time})$ for periphyton and macrophytes and $\text{mg O}_2/(\text{m}^3 \cdot \text{time})$ 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.....Hexagenia
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 indentation in a list of stations in the front of the report. Each indentation represents one rank. This downstream order and system of indentation 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.

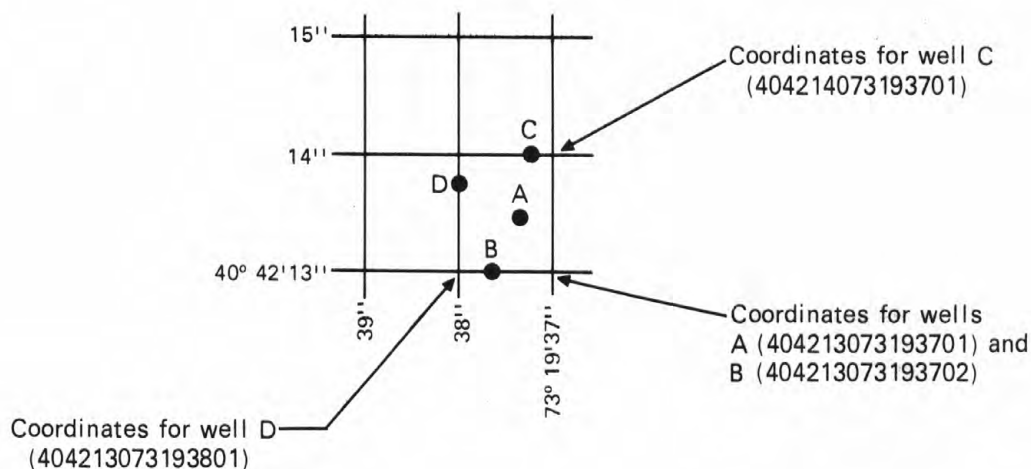


Figure 1. System for numbering wells (latitude and longitude).

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 ft³/s; to tenths between 1.0 and 10 ft³/s; to whole numbers between 10 and 1,000 ft³/s; and to 3 significant figures above 1,000 ft³/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

Although over 950 wells are measured at annual or more frequent intervals, only ground-water level data from a basic network of 139 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. Greenson, 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.

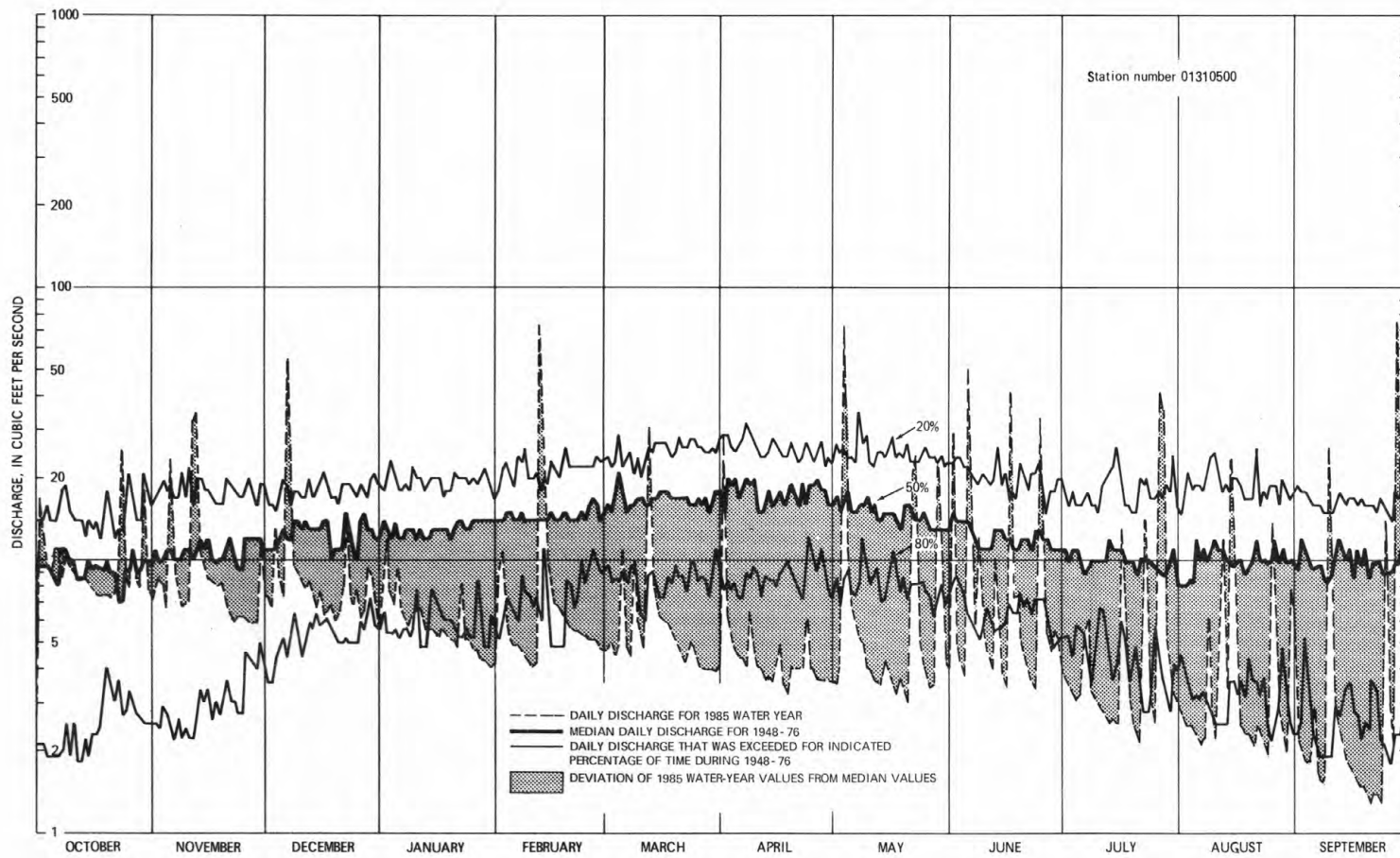


Figure 2.--Hydrographic Comparisons, East Meadow Brook at Freeport

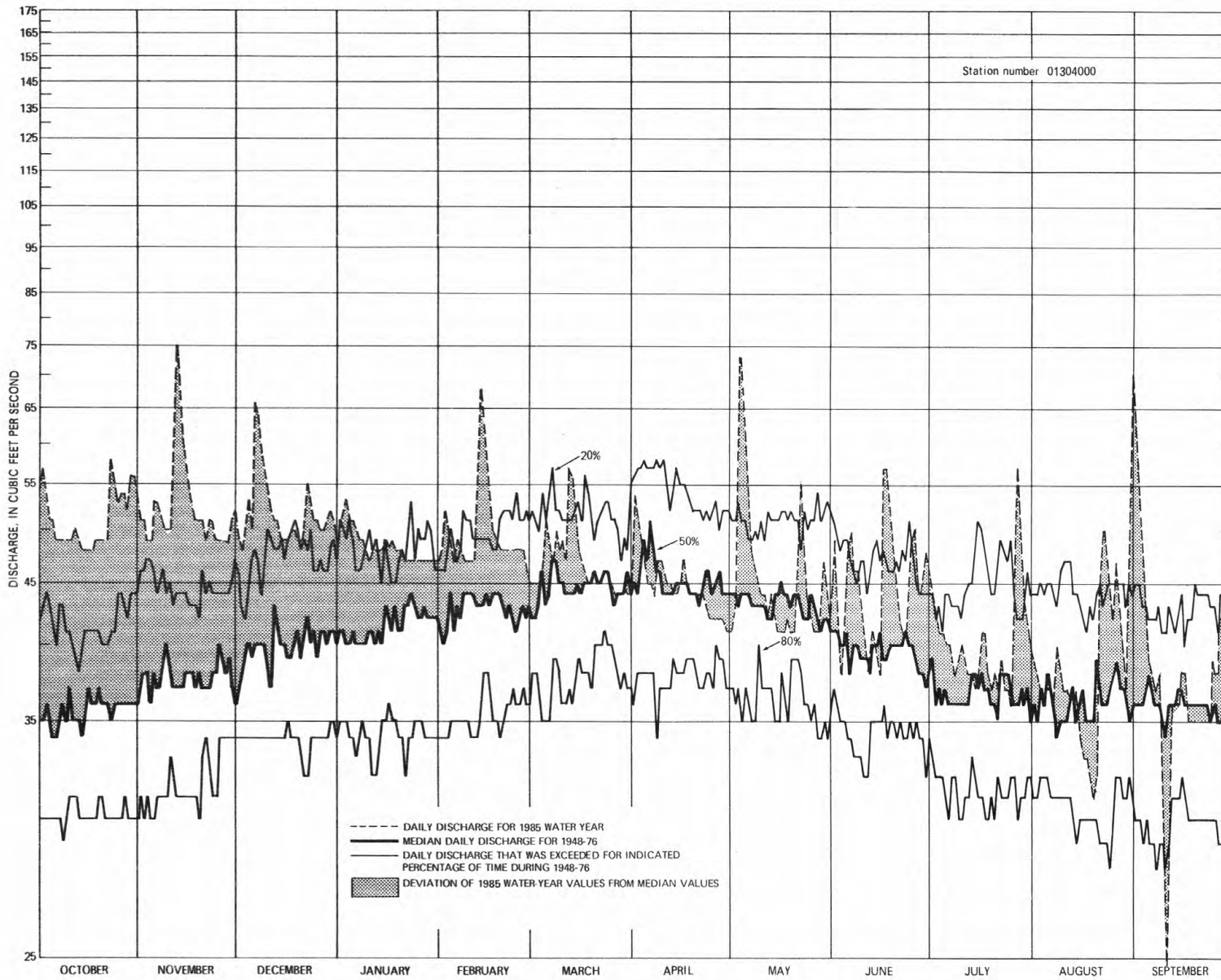


Figure 3 --Hydrographic Comparisons, Nissequogue River near Smithtown

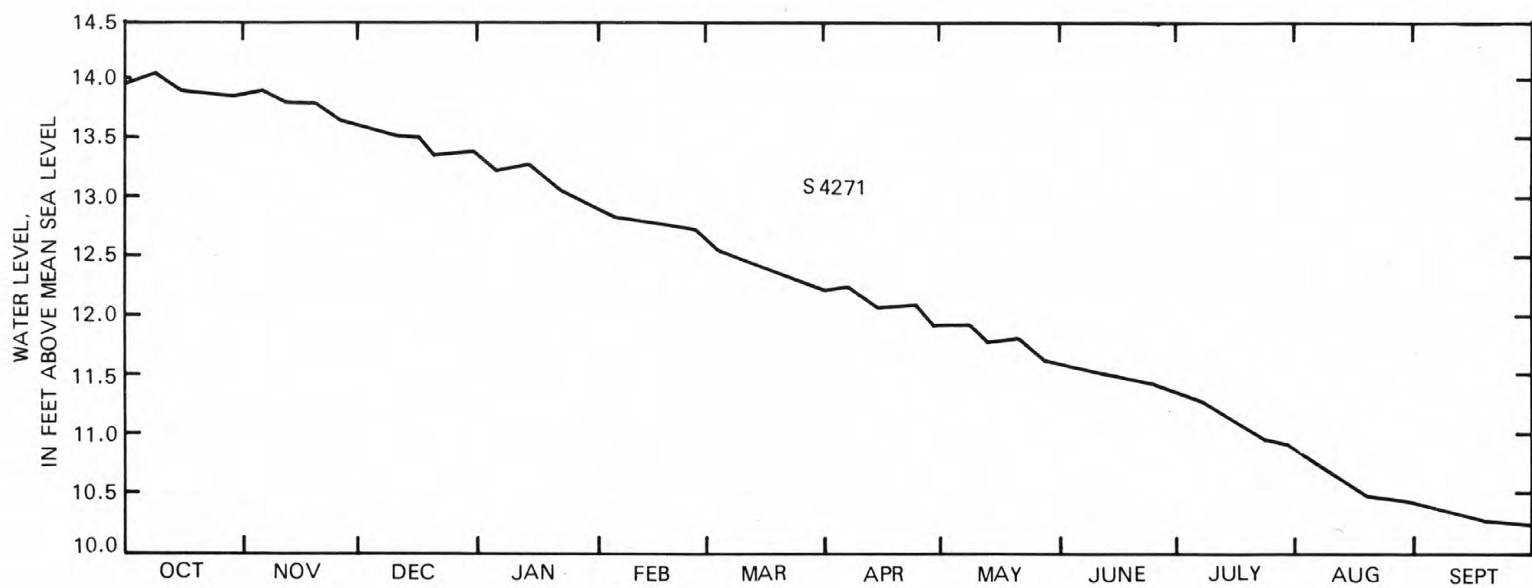


Figure 4.--Hydrograph of water-table observation well S4271 at Riverhead

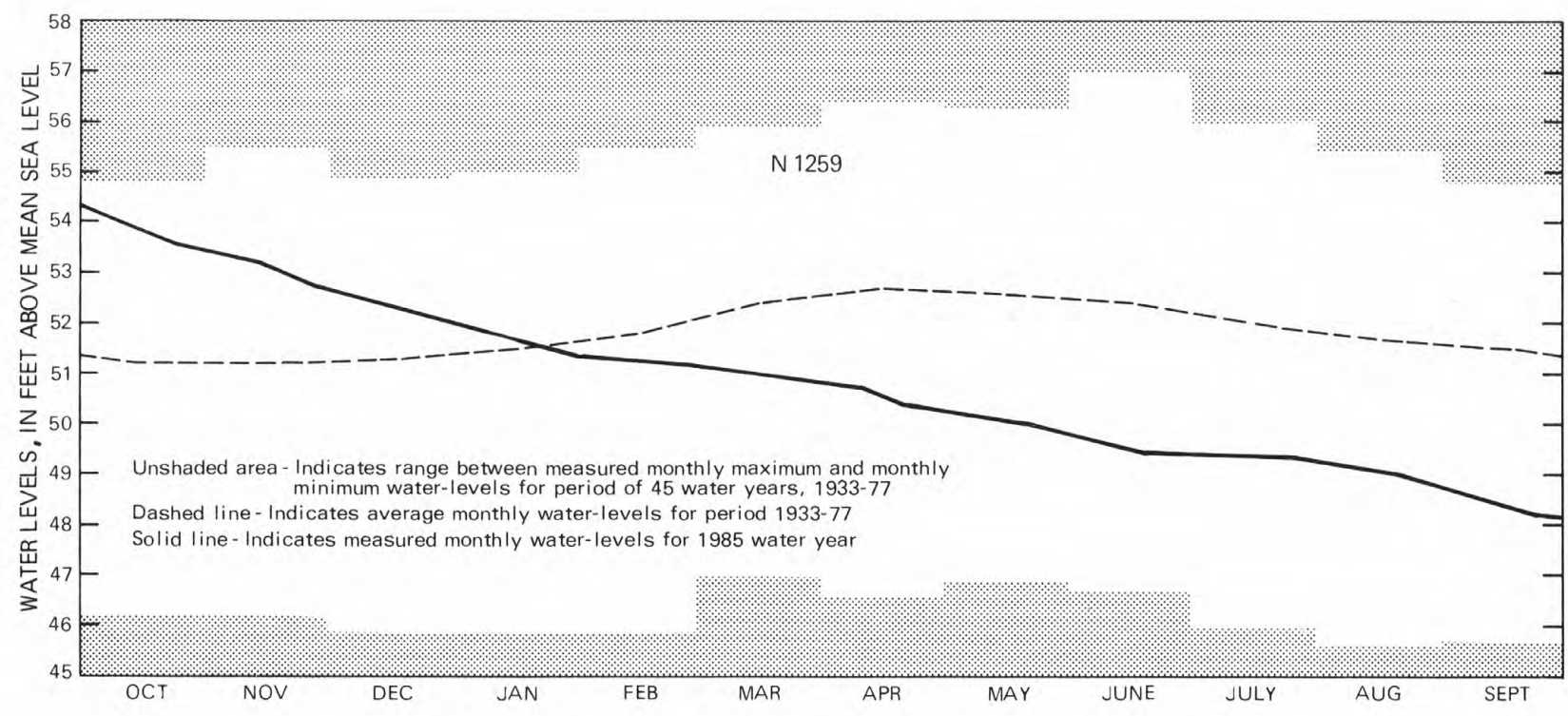


Figure 5.--Hydrograph of water-table observation well N1259 at Plainedge

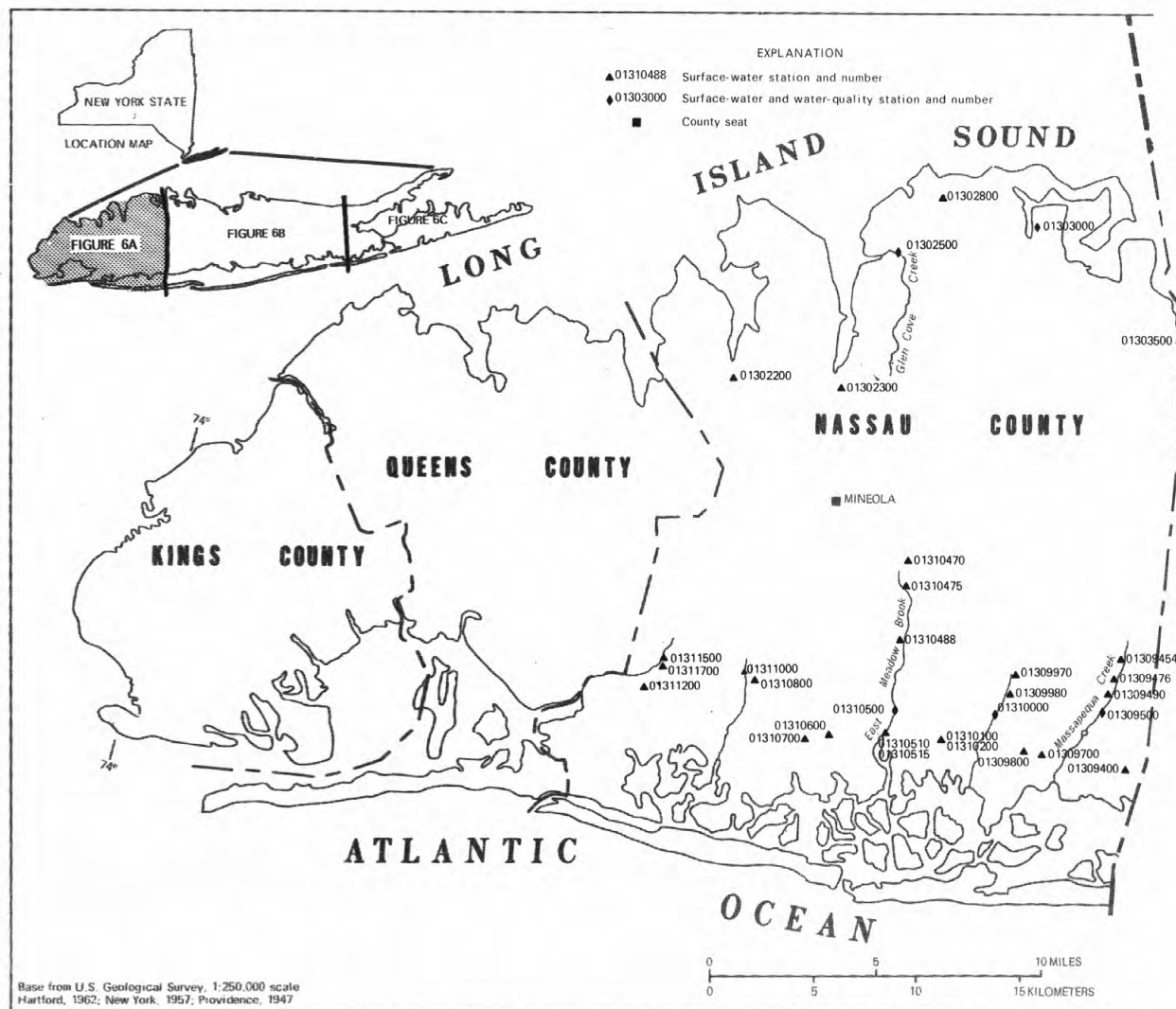


FIGURE 6A.-- LOCATION OF SURFACE-WATER DATA COLLECTION STATIONS

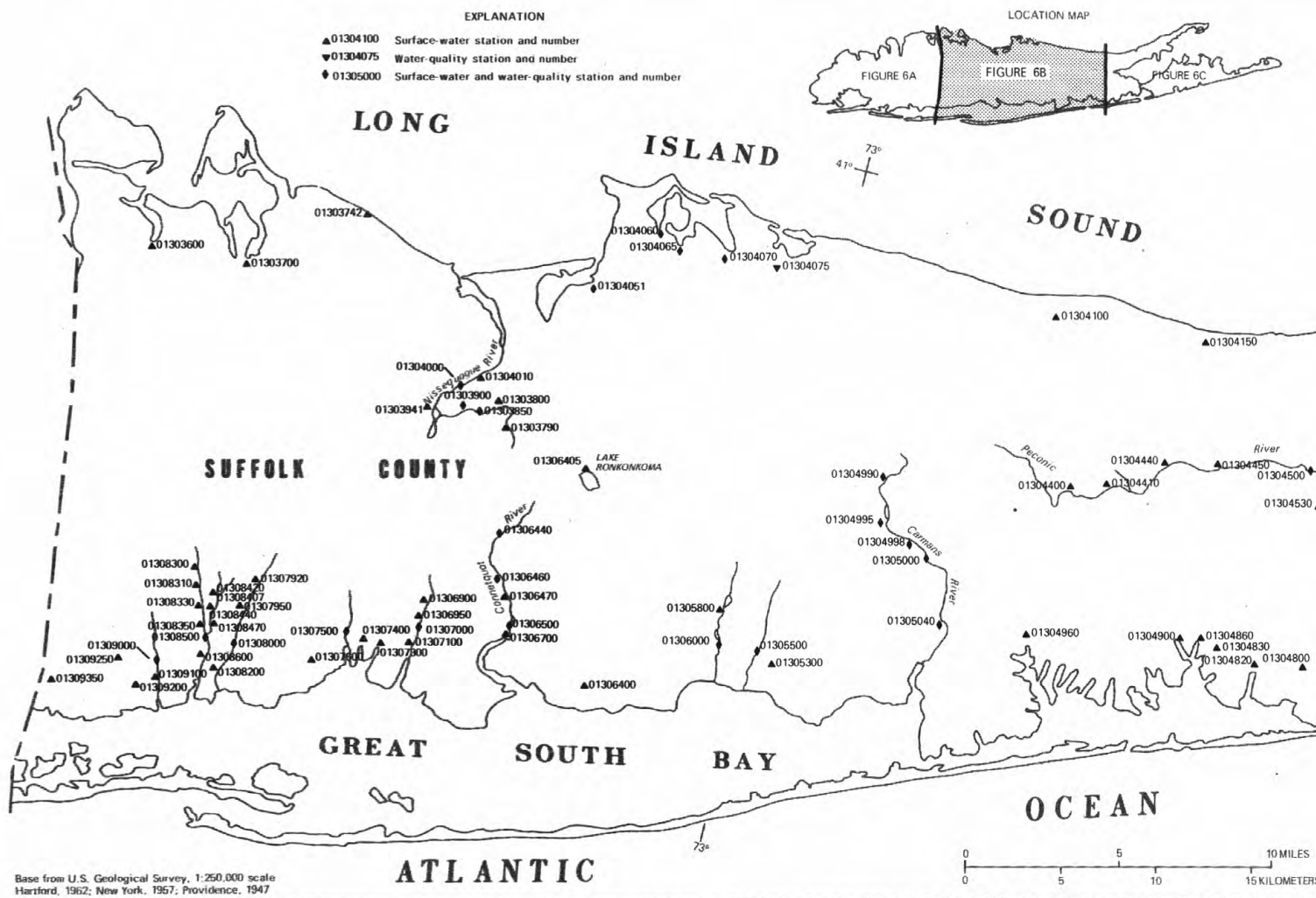


FIGURE 6B.-- LOCATION OF SURFACE-WATER DATA COLLECTION STATIONS

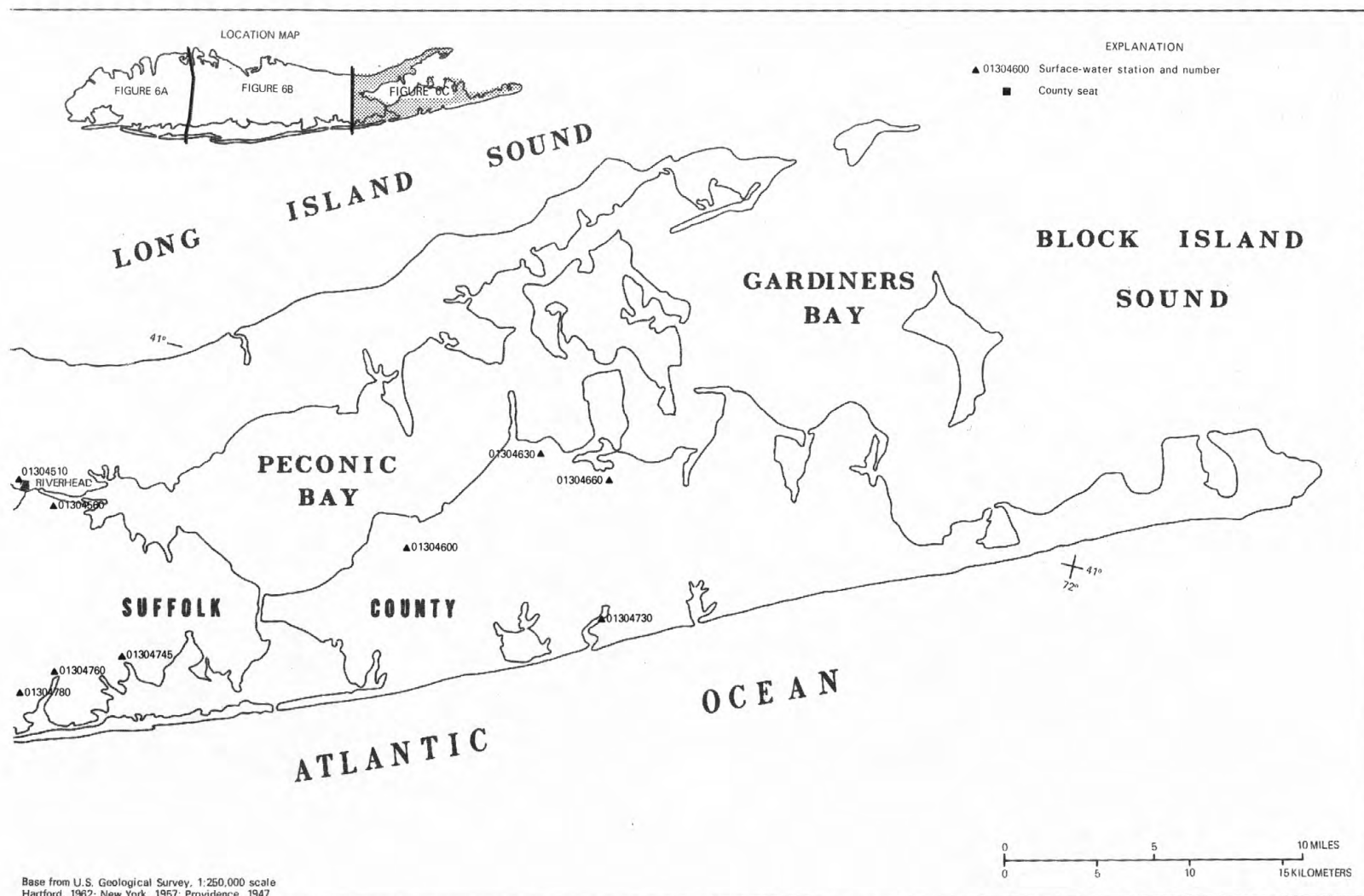


FIGURE 6C.-- LOCATION OF SURFACE-WATER DATA COLLECTION STATIONS

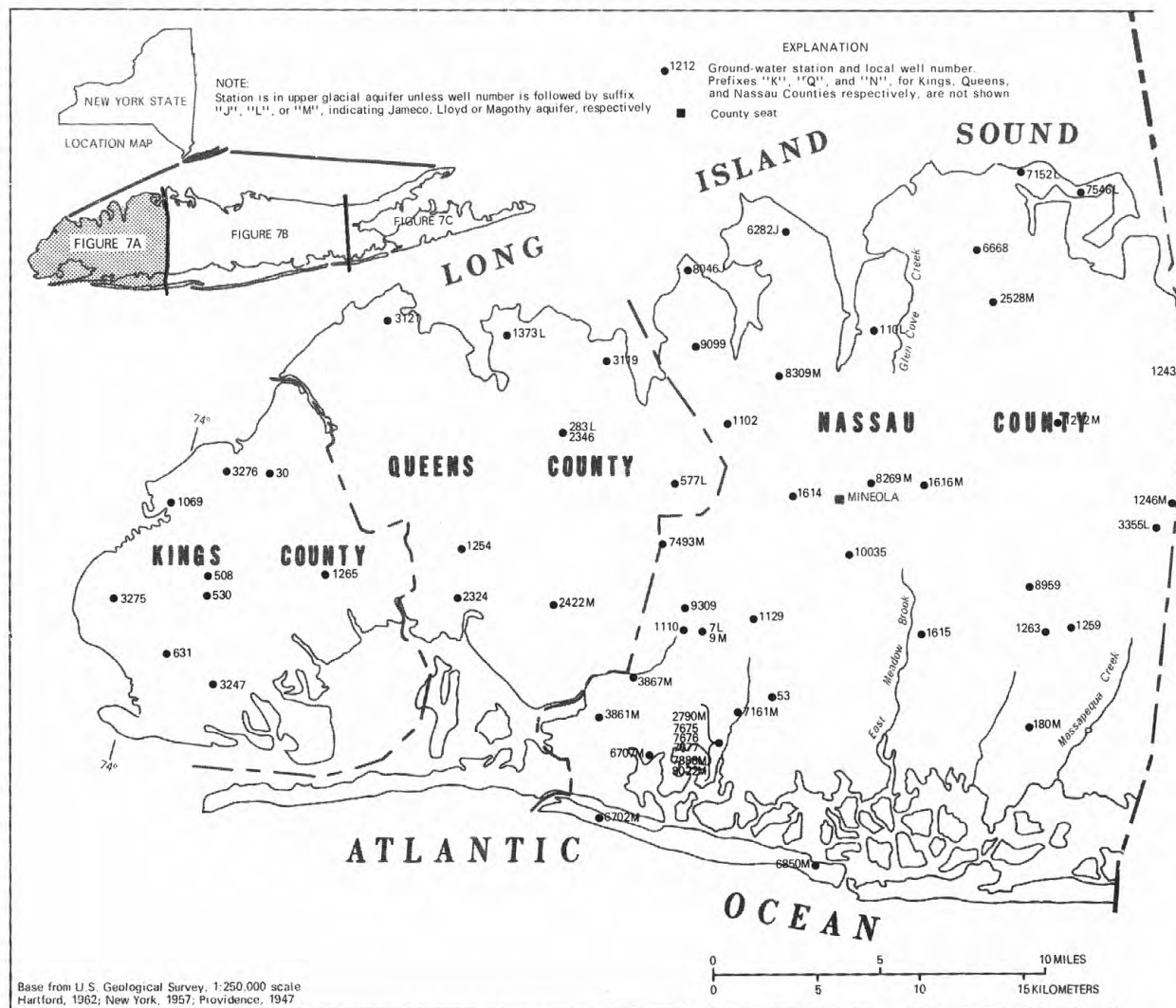


FIGURE 7A.-- LOCATION OF WATER-LEVEL DATA COLLECTION STATIONS

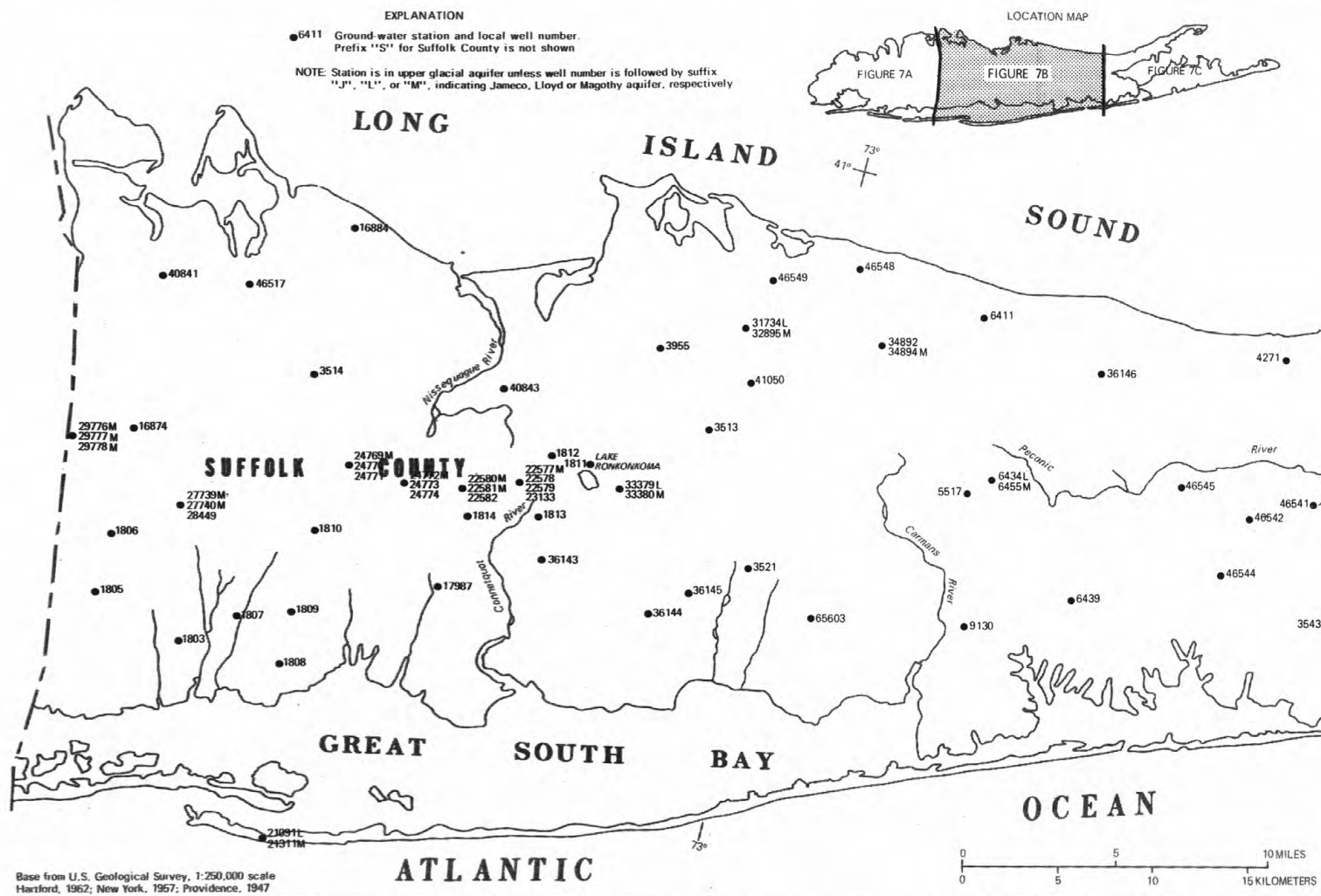


FIGURE 7B.-- LOCATION OF WATER-LEVEL DATA COLLECTION STATIONS

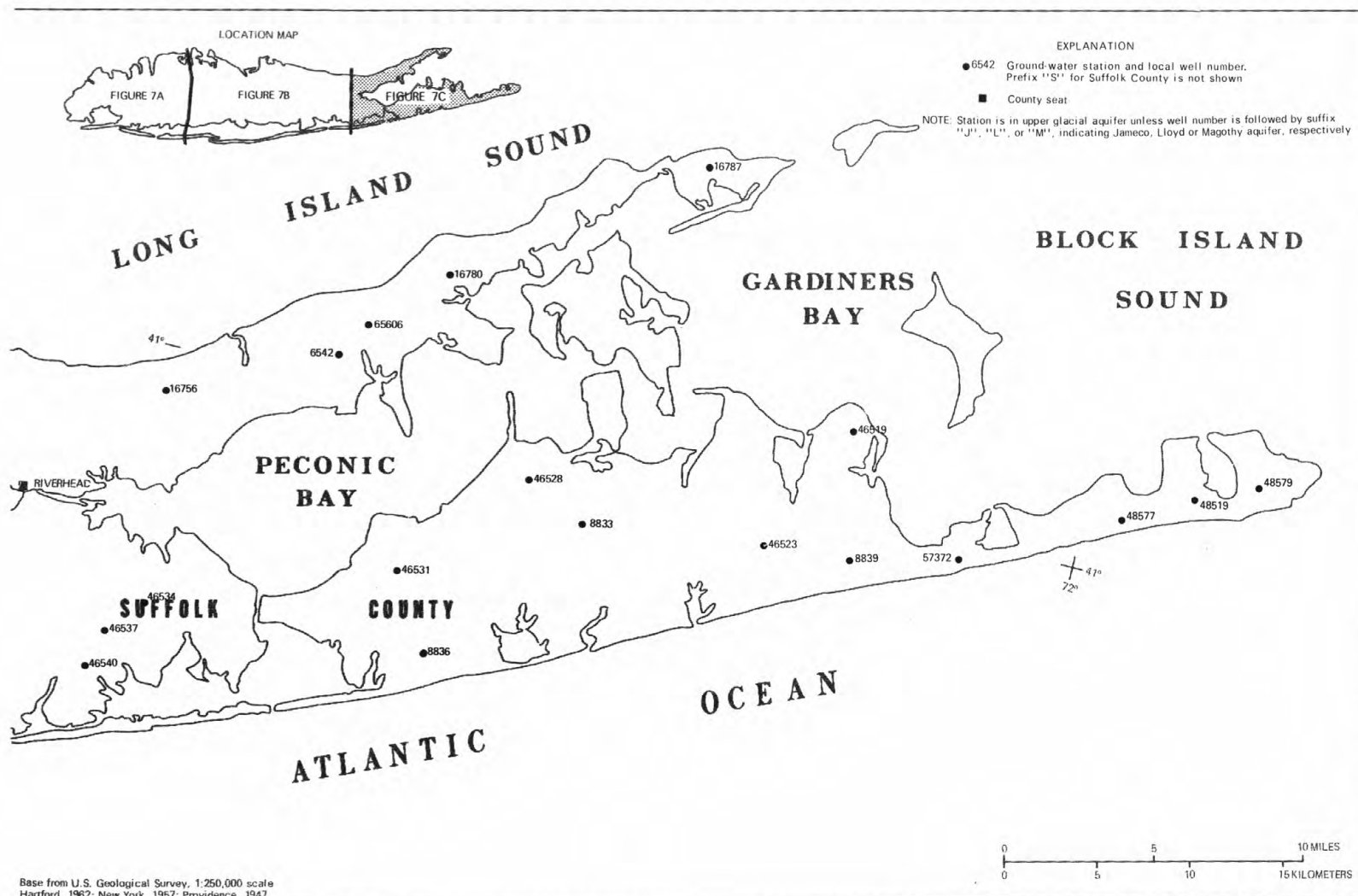


FIGURE 7C.-- LOCATION OF WATER-LEVEL DATA COLLECTION STATIONS

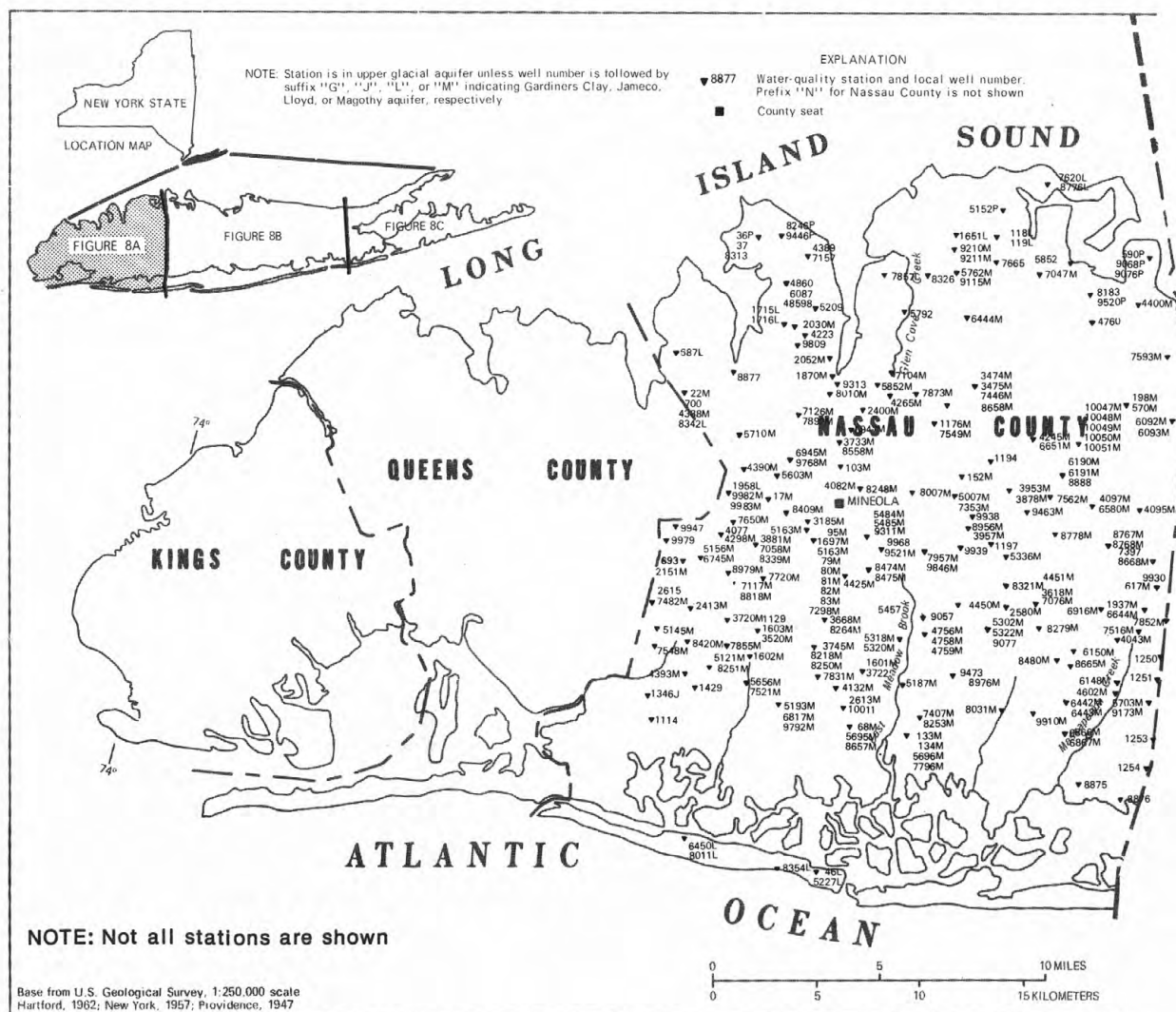


FIGURE 8A.-- LOCATION OF QUALITY OF GROUND-WATER DATA COLLECTION STATIONS

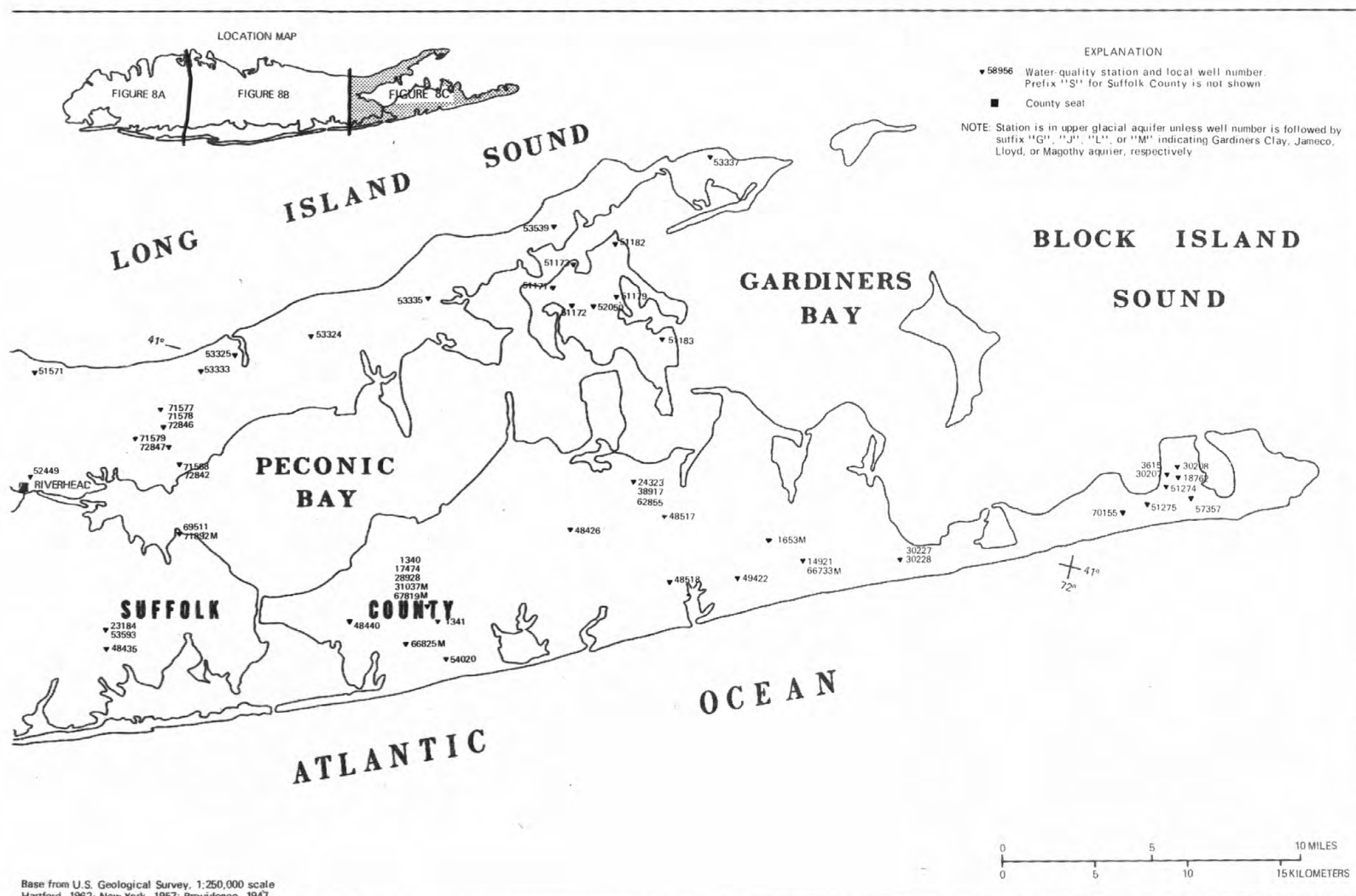


FIGURE 8C.-- LOCATION OF QUALITY OF GROUND-WATER DATA COLLECTION STATIONS

STREAMS ON LONG ISLAND

31

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 above 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.--No estimated daily discharges. Records good except those above 200 ft³/s, which are fair.

AVERAGE DISCHARGE.--47 years, 7.32 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1860 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, 466 ft³/s Sept. 27, gage height, 5.26 ft from rating curve extended above 110 ft³/s on basis of step-backwater method; minimum, 4.9 ft³/s June 30; minimum gage height, 0.73 ft Apr. 14.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.2	7.2	6.3	7.0	9.0	6.4	15	6.6	16	6.7	6.6	6.1
2	7.2	7.3	5.9	8.9	7.9	6.5	7.0	13	7.5	6.8	6.3	6.1
3	6.7	6.9	11	6.9	6.2	5.9	6.8	44	7.8	6.8	6.4	6.3
4	6.6	6.8	7.2	7.4	6.0	9.5	6.7	9.6	7.8	6.6	6.3	6.5
5	6.4	12	6.8	8.4	6.0	9.4	6.5	7.7	29	6.6	6.3	6.6
6	6.1	7.4	25	6.3	6.1	6.6	6.1	7.4	10	9.5	6.1	6.5
7	6.1	7.2	8.0	6.8	6.2	6.4	6.1	7.5	8.6	6.6	7.3	6.2
8	6.2	6.7	7.0	6.7	6.1	9.4	9.1	7.1	11	6.3	9.6	12
9	6.3	6.5	6.7	6.4	6.1	6.7	6.8	7.2	7.8	6.3	6.2	15
10	6.5	6.7	7.0	6.3	5.9	6.4	6.6	7.3	8.3	6.7	6.0	9.6
11	6.4	26	6.9	6.4	6.2	6.4	6.5	7.1	8.6	6.3	7.1	6.6
12	6.5	22	6.8	6.3	36	20	6.5	7.0	8.2	6.3	6.0	6.2
13	6.3	9.3	6.8	6.1	13	7.8	6.1	7.1	8.0	6.5	6.1	6.0
14	6.1	8.1	6.6	6.3	8.4	6.9	5.8	7.1	7.9	6.3	18	5.9
15	6.2	7.6	6.7	6.4	7.3	6.7	7.4	7.1	7.0	8.5	6.6	5.6
16	6.3	7.3	6.3	6.2	6.7	6.4	7.0	7.2	24	19	6.2	6.1
17	6.4	7.0	7.3	6.4	6.4	6.1	6.4	7.3	8.6	6.8	6.1	5.9
18	6.4	6.8	7.6	6.5	6.5	6.2	6.3	7.6	8.5	6.4	6.1	6.0
19	6.5	6.9	7.0	6.5	7.0	6.3	7.3	6.5	7.8	6.4	6.2	6.4
20	6.6	6.7	6.7	6.1	6.9	7.0	6.3	7.0	7.5	6.4	6.5	5.9
21	6.6	6.6	9.7	6.1	6.8	6.3	6.1	31	6.9	6.3	6.2	5.5
22	16	6.3	10	6.3	7.0	6.2	6.5	12	6.9	13	6.0	5.3
23	11	6.2	6.4	6.3	7.2	6.8	6.3	7.4	8.2	6.5	6.0	5.8
24	8.8	6.1	6.5	7.9	6.7	5.9	6.1	7.3	25	6.4	6.0	8.9
25	7.9	6.1	6.9	7.3	6.7	6.1	6.4	6.9	8.8	6.2	19	6.2
26	11	6.4	6.5	6.1	6.6	6.3	6.4	6.9	7.3	34	7.6	6.9
27	7.6	6.5	6.9	5.8	6.9	6.4	6.2	7.7	8.1	12	6.4	65
28	8.0	6.9	10	6.1	6.5	6.5	6.2	24	7.7	7.2	6.3	15
29	15	12	8.2	7.8	---	6.5	6.3	9.6	6.1	7.0	6.2	12
30	8.4	6.7	6.5	7.2	---	6.1	6.6	7.3	6.1	6.9	30	8.5
31	7.9	---	6.5	6.1	---	6.9	---	7.0	---	6.8	8.5	---
TOTAL	239.2	252.2	243.7	207.3	224.3	223.0	205.4	315.5	301.0	260.1	250.2	280.6
MEAN	7.72	8.41	7.86	6.69	8.01	7.19	6.85	10.2	10.0	8.39	8.07	9.35
MAX	16	26	25	8.9	36	20	15	44	29	34	30	65
MIN	6.1	6.1	5.9	5.8	5.9	5.9	5.8	6.5	6.1	6.2	6.0	5.3
CAL YR 1984 TOTAL	4075.0			MEAN	11.1	MAX	122	MIN	4.3			
WTR YR 1985 TOTAL	3002.5			MEAN	8.23	MAX	65	MIN	5.3			

STREAMS ON LONG ISLAND

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 1984 TO SEPTEMBER 1985

		STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	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 CAR- BONATE (MG/L- CACO3)	HARD- NESS NONCARB WH WAT TOT FLD MG/L AS CACO3
NOV 30...	1055	6.5	241	7.20	12.0	759	12.5	116	--	40
MAY 24...	0750	6.9	--	5.80	14.0	--	--	--	--	47
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 30...	20	7.0	17	1.9	39	29	26	<0.1	15	140
MAY 24...	21	7.2	18	2.2	35	27	31	<0.1	15	140
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 30...	4.19	0.01	0.10	0.1	4.4	0.01	<0.01	570	90	0.04
MAY 24...	--	<0.01	0.21	0.29	4.6	<0.01	<0.01	420	90	0.05

STREAMS ON LONG ISLAND

33

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 above National Geodetic Vertical Datum of 1929. Prior to June 23, 1965, at datum 0.06 ft higher.

REMARKS.--No estimated daily discharges. Records good. Slight regulation by ponds above station.

AVERAGE DISCHARGE.--48 years, 9.19 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 greater than base discharge of 32 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 3	1330	33	0.72	Sept. 27	1300	*79	*1.18

Minimum discharge, 6.6 ft³/s Aug. 7, gage height, 0.24 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	10	10	11	10	9.1	13	8.4	13	9.3	7.7	10
2	13	9.8	9.7	11	12	9.0	11	9.5	11	9.1	7.6	8.6
3	11	9.5	11	11	11	8.8	10	25	9.4	9.1	7.4	7.9
4	10	9.8	12	10	9.9	9.2	9.8	19	9.0	8.8	7.3	7.5
5	10	14	11	11	9.7	12	9.7	13	14	8.8	7.3	7.7
6	10	13	17	12	10	10	9.4	11	16	9.1	7.2	8.5
7	10	10	14	11	9.9	9.3	8.8	9.9	11	9.9	7.0	7.7
8	10	10	11	10	9.2	11	9.9	9.1	11	9.0	8.7	7.7
9	10	10	10	13	8.9	10	9.8	8.9	11	8.7	8.6	8.8
10	10	10	10	10	9.1	9.4	9.4	8.9	9.7	8.5	8.1	9.2
11	10	14	10	9.9	9.2	9.2	9.4	8.8	9.2	8.4	7.7	8.4
12	10	26	10	9.6	15	14	9.3	8.7	9.3	8.0	7.5	7.6
13	10	15	10	9.6	23	13	9.2	8.7	9.0	8.4	7.3	7.2
14	10	11	10	9.6	14	10	9.2	8.6	8.8	8.4	7.6	7.0
15	9.9	11	10	9.6	11	9.5	9.8	8.4	8.7	8.6	8.1	7.0
16	9.9	10	10	9.1	9.8	9.3	10	8.5	15	12	7.6	7.0
17	10	9.8	10	9.7	9.6	10	9.5	8.7	14	11	7.6	7.0
18	10	9.9	10	10	9.5	9.9	9.2	9.0	11	9.1	7.3	7.0
19	10	10	10	10	9.7	9.6	9.1	8.6	9.7	8.3	7.6	7.0
20	10	9.8	11	9.6	9.7	9.7	9.6	8.6	9.0	8.0	7.7	7.1
21	10	9.6	10	8.8	9.6	9.7	9.3	11	8.7	7.9	7.9	7.0
22	10	9.6	13	8.8	9.8	9.2	9.2	21	8.5	11	8.0	7.0
23	17	9.8	11	9.2	10	9.8	9.1	13	9.1	11	7.8	7.0
24	13	10	10	9.3	10	9.7	8.8	11	12	8.8	7.6	8.7
25	11	10	10	9.6	10	9.1	9.0	9.8	14	8.0	11	9.1
26	12	11	9.9	9.4	9.7	8.9	9.0	9.2	10	14	13	8.2
27	12	10	11	9.2	9.7	9.0	8.5	9.2	9.7	18	9.5	36
28	11	10	11	9.2	9.3	9.2	8.4	12	10	11	8.1	24
29	16	12	12	9.2	---	9.2	8.4	18	10	9.1	8.0	12
30	13	11	11	9.2	---	9.1	8.5	12	9.9	8.2	10	8.8
31	11	---	10	9.4	---	9.4	---	10	---	8.1	15	---
TOTAL	340.8	335.6	335.6	308.0	298.3	304.3	283.3	345.5	320.7	295.6	258.8	283.7
MEAN	11.0	11.2	10.8	9.94	10.7	9.82	9.44	11.1	10.7	9.54	8.35	9.46
MAX	17	26	17	13	23	14	13	25	16	18	15	36
MIN	9.9	9.5	9.7	8.8	8.9	8.8	8.4	8.4	8.5	7.9	7.0	7.0
CAL YR 1984	TOTAL	4480.2		MEAN	12.2	MAX	45	MIN	7.9			
WTR YR 1985	TOTAL	3710.2		MEAN	10.2	MAX	36	MIN	7.0			

STREAMS ON LONG ISLAND

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 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	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 CAR- BONATE (MG/L- CaCO3)	HARD- NESS NONCARB WH WAT TOT FLD MG/L AS CaCO3
NOV 30...	1000	11	136	7.30	6.5	759	13.9	113	--	20
MAY 24...	0700	11	--	6.30	19.0	--	--	--	--	17
AUG 13...	1300	7.4	148	9.40	28.0	--	--	--	--	16

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 30...	11	4.2	9.8	1.4	25	20	14	<0.1	11	87
MAY 24...	11	4.0	10	1.1	27	18	15	<0.1	6.3	82
AUG 13...	11	4.4	11	1.3	30	17	17	<0.1	7.8	88

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 30...	1.58	0.02	0.11	0.89	2.6	0.07	0.02	360	30	0.03
MAY 24...	--	<0.01	0.14	0.56	1.1	0.01	<0.01	690	60	0.04
AUG 13...	--	0.02	0.01	1.5	--	0.03	0.01	970	100	--

35

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.

REMARKS.--Estimated daily discharge: Sept. 27. 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. Several measurements of water temperature were made during the year.

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 unknown Sept. 27, gage height unknown (result of regulation and high tide); maximum gage height, 2.93 ft Sept. 27 (backwater from high tide); minimum discharge 0.56 ft³/s Sept. 27, gage height, 0.12 ft (result of regulation).

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.8	4.8	5.0	5.2	5.1	4.7	5.1	4.3	4.5	4.0	3.4	4.0
2	5.3	4.5	4.5	5.3	5.7	5.0	5.4	4.6	4.2	3.7	3.2	3.4
3	4.9	4.5	5.5	5.2	5.4	5.5	5.1	11	4.0	3.7	3.2	3.2
4	4.8	4.6	5.5	5.1	4.9	5.2	4.8	6.8	4.0	3.7	3.2	3.0
5	4.6	6.3	4.8	5.4	4.8	5.9	4.8	5.1	5.9	3.7	3.2	3.1
6	4.5	5.6	8.4	5.1	5.1	5.0	4.8	4.5	6.1	4.0	3.1	3.1
7	4.3	4.9	6.1	5.1	5.0	4.6	4.8	4.5	4.5	5.0	3.2	3.0
8	4.3	4.8	5.2	5.0	4.8	5.2	5.1	4.3	4.4	4.2	3.8	3.2
9	4.3	4.8	5.4	4.6	4.5	5.2	5.1	4.3	4.4	3.9	3.6	4.4
10	4.4	5.1	5.3	4.5	4.5	5.0	4.8	4.3	4.2	3.7	3.2	4.0
11	4.5	6.3	5.1	4.8	4.8	4.9	4.5	4.3	4.0	3.6	3.2	3.9
12	4.5	8.2	5.0	4.8	8.2	7.1	4.5	4.3	4.1	3.5	3.0	3.4
13	4.5	5.6	5.0	4.8	10	6.1	4.5	4.3	4.2	3.5	3.0	3.0
14	4.2	4.9	5.0	4.8	5.9	5.2	4.5	4.2	4.0	3.5	3.1	3.0
15	4.4	4.8	5.1	5.1	5.2	4.7	4.5	4.0	3.9	3.5	3.2	3.0
16	4.3	5.0	5.1	4.8	5.0	4.5	4.5	4.0	5.6	4.1	3.1	3.0
17	4.4	4.8	5.1	5.0	4.8	4.8	4.5	4.2	5.0	5.4	3.0	3.1
18	4.6	4.8	5.1	5.1	4.8	4.8	4.5	4.3	4.4	4.1	3.0	3.0
19	4.8	5.0	5.0	5.1	4.8	4.8	4.5	4.2	4.1	3.6	3.0	3.0
20	4.9	4.8	5.1	5.1	4.8	4.8	4.5	4.0	3.9	3.3	3.0	3.0
21	4.8	4.8	4.9	4.8	4.8	4.8	4.5	4.2	3.7	3.3	3.1	2.8
22	4.9	4.8	5.7	4.8	4.8	4.5	4.5	6.3	3.7	3.8	3.2	2.8
23	7.1	4.8	5.2	4.8	4.9	4.5	4.5	4.8	3.7	4.0	3.0	2.9
24	5.7	4.8	4.9	4.8	4.9	4.5	4.3	4.3	8.7	3.5	3.0	3.9
25	5.1	4.8	5.0	4.8	4.8	4.5	4.3	4.3	7.9	3.3	3.5	4.6
26	5.4	4.7	4.8	4.8	4.7	4.5	4.3	4.0	4.6	6.9	4.0	3.6
27	5.4	4.5	5.2	4.8	4.1	4.5	4.3	4.2	4.2	7.7	3.5	10
28	5.1	5.0	5.1	4.8	4.5	4.5	4.3	4.5	4.5	4.5	3.1	3.1
29	6.2	5.8	5.4	4.6	---	4.5	4.3	5.5	4.2	3.7	3.0	1.9
30	5.6	5.3	5.4	4.5	---	4.5	4.3	4.5	4.2	3.5	3.7	2.1
31	4.9	---	5.3	4.7	---	4.5	---	4.0	---	3.5	6.3	---
TOTAL	151.5	153.4	163.2	152.1	145.6	152.8	138.4	146.1	138.8	125.4	103.1	103.5
MEAN	4.89	5.11	5.26	4.91	5.20	4.93	4.61	4.71	4.63	4.05	3.33	3.45
MAX	7.1	8.2	8.4	5.4	10	7.1	5.4	11	8.7	7.7	6.3	10
MIN	4.2	4.5	4.5	4.5	4.1	4.5	4.3	4.0	3.7	3.3	3.0	1.9
CAL YR 1984	TOTAL	1661.6		MEAN	4.54	MAX	15	MIN	2.8			
WTR YR 1985	TOTAL	1673.9		MEAN	4.59	MAX	11	MIN	1.9			

STREAMS ON LONG ISLAND

01304000 NISSEGUOGUE 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 above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records excellent. 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.--42 years, 42.1 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, 102 ft³/s Aug. 30, gage height, 1.05 ft; minimum, 24 ft³/s Sept. 9, 10, 11, gage height, 0.54 ft (result of regulation).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54	51	49	50	48	45	54	41	49	44	39	59
2	57	51	48	52	52	45	52	43	43	43	38	51
3	54	49	50	53	50	45	49	73	38	41	37	47
4	51	49	53	51	48	46	47	70	40	41	37	42
5	51	53	50	51	47	51	45	58	48	40	37	39
6	49	53	66	50	49	48	45	51	50	40	37	38
7	49	52	64	49	48	47	44	48	46	39	36	37
8	49	51	59	49	47	50	47	46	46	38	40	38
9	49	50	56	48	47	48	47	45	43	39	39	30
10	49	50	54	47	47	49	46	44	41	40	37	24
11	49	61	52	48	47	47	45	44	38	39	37	30
12	50	75	51	48	54	57	45	42	40	38	36	36
13	49	66	51	48	68	56	44	44	41	38	36	36
14	48	61	49	48	62	51	44	42	40	37	37	36
15	48	57	49	49	57	48	45	41	38	38	34	38
16	48	54	49	48	53	47	47	41	57	41	33	38
17	48	52	50	49	50	46	44	41	57	41	33	35
18	49	51	50	48	49	45	44	42	52	38	32	35
19	49	51	49	48	48	45	44	41	48	37	31	35
20	49	51	49	48	48	46	44	41	45	38	32	35
21	49	49	50	47	48	45	44	45	42	37	45	35
22	49	51	55	47	48	45	44	55	41	39	50	35
23	58	51	53	47	48	46	43	47	41	37	49	35
24	56	49	51	47	48	46	42	44	47	37	44	39
25	53	49	51	47	48	45	42	42	50	36	42	38
26	54	49	50	47	48	44	42	41	45	46	47	38
27	54	49	50	47	46	44	42	41	44	57	42	42
28	52	49	51	47	45	44	42	43	45	49	39	42
29	56	51	52	47	---	45	41	47	48	44	37	44
30	56	52	51	47	---	44	41	44	46	42	47	38
31	54	---	49	47	---	44	---	42	---	40	70	---
TOTAL	1590	1587	1611	1499	1398	1454	1345	1429	1349	1254	1230	1145
MEAN	51.3	52.9	52.0	48.4	49.9	46.9	44.8	46.1	45.0	40.5	39.7	38.2
MAX	58	75	66	53	68	57	54	73	57	57	70	59
MIN	48	49	48	47	45	44	41	41	38	36	31	24
CAL YR 1984	TOTAL	21248		MEAN	58.1	MAX	133	MIN	44			
WTR YR 1985	TOTAL	16891		MEAN	46.3	MAX	75	MIN	24			

STREAMS ON LONG ISLAND

37

01304000 NISSEGUOGUE 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 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	BARD- METRIC PRES- SURE (MM OF HG)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	COLI- FORM, FECAL, UM-MF (COLS. / 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. / PER 100 ML)	HARD NESS (MG/ AS CACO
NOV 27...	1330	49	115	6.70	7.0	1.0	772	14.0	113	K7	K10
* DEC 10...	1500	54	98	6.20	5.0	--	--	11.8	--	--	--
FEB 27...	1300	46	135	6.60	9.0	1.5	756	11.5	100	K5	K8
MAR * 18...	1420	45	90	6.10	6.0	--	--	11.4	--	--	--
JUN * 03...	1400	38	95	6.10	15.0	--	--	8.5	--	--	--
11...	1215	38	112	5.90	18.0	6.3	761	10.2	108	K13	K14
SEP * 03...	1400	46	95	5.90	13.0	--	--	7.1	--	--	--
05...	1330	39	108	6.40	22.0	0.5	--	--	--	--	--

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

STREAMS ON LONG ISLAND

01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN, NY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	HARD- NESS NONCARB TOT FLD MG/L AS CACO3	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY TOTAL MG/L AS CACO3	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, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
NOV 27...	10	6.0	2.5	11	1.0	15	12	8.7	15	<0.1	7.2	65
DEC 10...	17	7.0	2.5	13	1.6	11	--	9.2	15	<0.5	--	--
FEB 27...	10	6.8	2.5	15	1.3	17	14	10	21	<0.1	6.6	84
MAR 18...	14	6.5	2.1	11	1.4	11	--	8.4	15	<0.5	--	--
JUN 03...	13	7.0	2.4	12	1.4	14	--	7.0	15	<0.5	--	--
11...	10	6.3	2.3	12	1.0	--	15	9.8	16	<0.1	5.2	84
SEP 03...	15	7.0	2.1	10	1.3	12	--	7.7	14	<0.5	--	--
05...	2	6.2	2.3	9.8	1.1	23	15	9.2	16	<0.1	6.1	69

DATE	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)
NOV 27...	61	--	--	--	--	--	0.1	--	<0.010	<0.010	<0.010	20
DEC 10...	--	2.65	0.012	--	0.14	--	--	--	--	--	0.004	--
FEB 27...	74	--	--	--	--	--	0.5	--	<0.010	<0.010	--	30
MAR 18...	--	2.10	0.006	--	<0.05	--	<0.1	--	0.013	0.006	0.002	--
JUN 03...	--	1.60	0.015	--	0.05	0.15	0.2	--	0.012	0.009	0.004	--
11...	62	--	--	--	--	--	0.7	--	<0.010	<0.010	--	<10
SEP 03...	--	1.50	0.008	--	0.04	0.06	0.1	--	0.008	0.008	0.002	--
05...	65	--	--	--	--	--	0.6	--	0.040	0.040	<0.010	20

STREAMS ON LONG ISLAND

39

01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN, NY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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											
27...	<1	23	--	<1	<1	<3	<1	--	45	2	<4
DEC											
10...	--	--	--	--	--	--	--	100	100	--	--
FEB											
27...	<1	19	<0.5	<1	<1	<3	<1	--	57	3	9
MAR											
18...	--	--	--	--	--	--	--	100	100	--	--
JUN											
03...	--	--	--	--	--	--	--	200	200	--	--
11...	<1	19	0.8	<1	<1	<3	1	--	49	1	11
SEP											
03...	--	--	--	--	--	--	--	100	100	--	--
05...	<1	20	<0.5	1	<1	<3	2	--	37	1	<4

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											
27...	--	15	<0.1	<10	1	<1	<1	51	<6	11	--
DEC											
10...	<20	--	--	--	--	--	--	--	--	--	<0.02
FEB											
27...	--	90	0.1	<10	1	<1	1	50	<6	12	--
MAR											
18...	60	--	--	--	--	--	--	--	--	--	<0.02
JUN											
03...	140	--	--	--	--	--	--	--	--	--	<0.02
11...	--	40	<0.1	<10	<1	<1	<1	45	<6	7	--
SEP											
03...	60	--	--	--	--	--	--	--	--	--	--
05...	--	27	<0.1	<10	<1	<1	<1	46	<6	6	--

STREAMS ON LONG ISLAND

01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN, NY--Continued

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV 27...	1330	49	3	0.4	77
FEB 27...	1300	46	1	0.12	100
JUN 11...	1215	38	2	0.21	74
SEP 05...	1330	39	2	0.21	41

STREAMS ON LONG ISLAND

41

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 above National Geodetic Vertical Datum of 1929.

REMARKS. --Estimated daily discharges: May 30 to June 16, Aug. 29 to Sept. 16, Sept. 26, 27. Records good. Flow regulated by ponds above station.

AVERAGE DISCHARGE. --43 years, 37.3 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, 54 ft³/s May 4, gage height, 0.61 ft; minimum 2.1 ft³/s Jan. 9, gage height, 0.12 ft (result of freezeup); minimum daily, 19 ft³/s Aug. 18, 19, Sept. 23, 30.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45	47	38	40	31	42	42	31	40	36	27	29
2	52	47	38	40	33	42	43	31	38	35	25	27
3	50	45	38	38	34	41	42	44	35	35	24	26
4	49	45	39	38	34	40	41	51	32	34	24	25
5	47	48	38	40	34	43	40	49	38	33	23	24
6	45	47	47	38	34	42	40	47	40	32	23	24
7	45	46	49	38	35	40	39	46	35	31	22	23
8	43	44	47	38	34	41	40	45	35	31	23	22
9	43	43	46	26	34	41	40	43	34	31	22	21
10	43	42	46	32	34	40	39	42	33	30	22	21
11	43	44	45	32	34	38	38	42	32	29	22	20
12	42	49	43	31	37	46	38	41	34	28	21	20
13	42	49	43	30	46	48	37	40	35	27	21	20
14	42	47	42	29	47	46	37	38	34	27	21	20
15	42	45	42	29	47	45	37	37	32	27	20	20
16	41	47	42	30	47	43	38	36	40	27	20	20
17	40	46	41	30	46	43	38	36	43	24	20	20
18	40	45	40	31	44	42	37	37	43	26	19	20
19	40	44	40	31	44	42	37	34	42	26	19	20
20	40	43	40	31	43	42	37	32	40	25	20	20
21	38	42	39	31	43	42	35	35	39	24	20	20
22	39	42	42	31	43	40	35	40	38	26	21	20
23	47	42	41	31	43	40	34	42	36	25	21	19
24	47	42	40	31	44	40	34	38	36	24	20	20
25	46	41	40	31	44	40	34	37	37	23	25	20
26	47	40	40	31	43	38	34	35	36	26	34	22
27	47	39	39	31	43	38	33	35	35	29	34	24
28	47	38	40	31	42	38	32	34	38	28	29	24
29	47	40	40	31	---	37	32	37	38	27	26	22
30	47	39	40	31	---	37	32	35	38	26	30	19
31	47	---	38	31	---	37	---	35	---	23	31	---
TOTAL	1373	1318	1283	1013	1117	1274	1115	1205	1106	875	729	652
MEAN	44.3	43.9	41.4	32.7	39.9	41.1	37.2	38.9	36.9	28.2	23.5	21.7
MAX	52	49	49	40	47	48	43	51	43	36	34	29
MIN	38	38	38	26	31	37	32	31	32	23	19	19
CAL YR 1984	TOTAL	24552		MEAN	67.1	MAX	143	MIN	38			
WTR YR 1985	TOTAL	13060		MEAN	35.8	MAX	52	MIN	19			

STREAMS ON LONG ISLAND

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.

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	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- LITY TOTAL FIELD MG/L AS CAC03
DEC 10...	0910	47	93	6.40	3.0	9.6	12	2.2	9.0	2.3	12
MAR 18...	0910	43	86	6.20	5.0	10.2	8.0	2.1	8.5	2.0	14
JUN 03...	0805	33	93	5.90	16.0	6.8	8.0	2.2	10	1.7	15
SEP 03...	0900	24	90	5.80	15.0	8.0	9.0	2.3	9.0	1.7	13

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 (MG/L AS N)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)
DEC 10...	15	13	<0.5	0.45	0.46	0.006	0.007	0.18	0.18	--
MAR 18...	13	12	<0.5	0.22	0.22	0.004	0.005	0.09	0.11	<0.1
JUN 03...	12	14	<0.5	0.27	0.35	0.017	0.019	0.17	0.18	0.4
SEP 03...	13	13	<0.5	0.10	0.07	0.009	0.005	0.05	0.05	0.2

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, ORTH0, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTH0, 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 10...	--	--	--	0.036	0.04	400	300	30	--	<0.02
MAR 18...	0.1	0.064	0.046	0.031	0.035	700	500	100	--	<0.02
JUN 03...	0.4	0.137	0.122	0.074	0.083	1300	1100	200	--	<0.02
SEP 03...	0.1	0.069	0.050	0.031	0.032	500	400	30	--	--

STREAMS ON LONG ISLAND

43

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

REMARKS. --No estimated daily discharges. Records good. Some regulation by two lakes above station.

AVERAGE DISCHARGE. --43 years, 24.3 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, 84 ft³/s July 20, gage height, 1.80 ft (result of regulation); minimum, 11 ft³/s July 20, gage height, 1.01 ft (result of regulation).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	37	33	32	31	29	33	27	29	26	24	23
2	43	37	33	33	32	31	31	28	27	26	23	23
3	38	36	34	32	31	30	29	42	26	26	22	22
4	37	36	35	32	30	30	29	36	25	26	22	22
5	37	37	33	33	29	32	29	31	30	25	22	22
6	37	37	43	31	31	31	29	30	30	25	22	22
7	36	36	39	31	30	29	29	29	27	25	22	21
8	36	36	36	31	29	31	30	29	27	25	23	21
9	37	35	35	30	29	31	30	28	27	25	23	22
10	37	35	35	31	29	30	29	28	26	25	22	22
11	37	39	35	31	29	29	29	27	25	25	22	22
12	36	44	34	31	34	36	29	27	27	24	22	21
13	36	38	34	31	39	34	28	27	27	24	21	20
14	36	37	33	31	35	31	29	27	26	24	21	20
15	37	36	33	31	33	31	29	26	25	24	21	20
16	36	36	33	31	32	29	29	26	34	25	21	20
17	35	36	33	31	31	30	29	26	30	24	21	20
18	36	35	33	31	31	30	28	27	29	24	20	20
19	36	35	33	31	31	29	28	26	26	23	21	20
20	36	34	33	31	31	29	29	26	27	29	21	20
21	35	34	33	30	29	29	29	27	26	17	22	20
22	36	34	35	30	31	29	29	31	26	23	22	20
23	43	34	34	30	31	29	29	28	25	24	21	20
24	40	34	33	30	31	29	29	27	26	23	20	21
25	37	35	34	30	31	29	29	26	26	22	27	20
26	39	35	33	30	30	29	29	25	26	27	41	20
27	38	34	33	30	30	29	28	26	26	27	29	21
28	37	33	33	30	30	29	27	27	28	25	25	21
29	38	34	34	30	---	29	27	28	29	24	23	20
30	39	33	33	29	---	29	27	26	27	23	23	20
31	37	---	32	30	---	29	---	26	---	23	25	---
TOTAL	1159	1072	1057	955	870	931	868	870	815	758	714	626
MEAN	37.4	35.7	34.1	30.8	31.1	30.0	28.9	28.1	27.2	24.5	23.0	20.9
MAX	43	44	43	33	39	36	33	42	34	29	41	23
MIN	35	33	32	29	29	29	27	25	25	17	20	20
CAL YR 1984 TOTAL		14189		MEAN	38.8	MAX	66	MIN	26			
WTR YR 1985 TOTAL		10695		MEAN	29.3	MAX	44	MIN	17			

STREAMS ON LONG ISLAND

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 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	BARD- 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- TOCOCCEI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)
NOV												
27...	1130	35	115	6.70	9.0	--	765	14.3	123	K5	K6	--
DEC												
* 10...	1020	35	110	6.30	5.0	--	--	10.6	--	--	--	32
FEB												
27...	0930	30	119	6.40	8.5	1.0	757	10.5	91	K5	K7	32
MAR												
* 18...	1005	30	105	5.80	5.0	--	--	11.8	--	--	--	31
JUN												
* 03...	0901	22	100	5.70	12.0	--	--	8.1	--	--	--	34
11...	1100	25	112	6.00	18.5	9.0	762	9.1	97	21	K13	30
SEP												
* 03...	1000	22	100	5.70	12.0	--	--	8.1	--	--	--	34
06...	0815	22	114	6.40	21.0	0.6	757	9.9	112	--	--	31

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

STREAMS ON LONG ISLAND

45

01305000 CARMANS RIVER AT YAPHANK, NY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	HARD- NESS NONCARB TOT FLD MG/L AS CACO3	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY TOTAL FIELD MG/L AS CACO3	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, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)
NOV 27...	--	--	--	--	--	20	14	--	--	<0.1	--	--
DEC 10...	18	8.0	2.9	12	1.6	14	--	14	16	<0.5	--	--
FEB 27...	10	7.8	3.0	10	1.2	22	16	14	14	<0.1	10	81
MAR 18...	15	8.0	2.6	10	1.6	16	--	14	15	<0.5	--	--
JUN 03...	19	9.0	2.7	10	1.3	14	--	13	15	<0.5	--	--
11...	15	7.4	2.9	9.3	0.9	--	15	14	14	<0.1	11	83
SEP 03...	19	9.0	2.7	10	1.3	14	--	13	15	<0.5	--	--
06...	6	7.6	3.0	8.8	1.0	25	17	13	13	<0.1	9.9	73

DATE	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)
NOV 27...	--	--	--	--	--	--	--	--	<0.010	<0.010	<0.010	10
DEC 10...	--	1.30	0.005	--	0.08	--	--	--	--	--	0.008	--
FEB 27...	73	--	--	--	--	--	0.4	--	<0.010	<0.010	--	60
MAR 18...	--	1.20	0.003	--	<0.05	--	<0.1	--	0.023	0.015	0.007	--
JUN 03...	--	0.94	0.009	--	0.03	0.07	0.1	--	0.015	0.012	0.004	--
11...	69	--	--	--	--	--	1.0	--	<0.010	<0.010	--	<10
SEP 03...	--	0.94	0.009	--	0.03	0.07	0.1	--	0.015	0.012	0.004	--
06...	72	--	--	--	--	--	0.6	--	0.040	0.040	<0.010	10

STREAMS ON LONG ISLAND

01305000 CARMANS RIVER AT YAPHANK, NY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 27...	--	--	--	--	--	--	--	--	--	--	--
DEC 10...	--	--	--	--	--	--	--	200	200	--	--
FEB 27...	<1	25	<0.5	<1	<1	<3	4	--	82	6	<4
MAR 18...	--	--	--	--	--	--	--	--	--	--	--
JUN 03...	--	--	--	--	--	--	--	200	200	--	--
11...	<1	22	<0.5	<1	<1	<3	1	--	170	1	9
SEP 03...	--	--	--	--	--	--	--	200	200	--	--
06...	<1	24	<0.5	<1	2	<3	1	--	110	1	<4

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 27...	--	--	--	--	--	--	--	--	--	--	--
DEC 10...	20	--	--	--	--	--	--	--	--	--	<0.02
FEB 27...	--	56	0.1	<10	1	<1	1	37	<6	15	--
MAR 18...	--	--	--	--	--	--	--	--	--	--	<0.02
JUN 03...	60	--	--	--	--	--	--	--	--	--	--
11...	--	45	<0.1	<10	<1	<1	<1	35	<6	11	--
SEP 03...	60	--	--	--	--	--	--	--	--	--	--
06...	--	51	<0.1	<10	2	<1	<1	36	<6	18	--

STREAMS ON LONG ISLAND

47

01305000 CARMANS RIVER AT YAPHANK, NY--Continued

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
NOV 27...	1130	35	6	0.57	63
FEB 27...	0930	30	2	0.16	100
JUN 11...	1100	25	12	0.81	20
SEP 06...	0815	22	3	0.18	48

STREAMS ON LONG ISLAND

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 above National Geodetic Vertical Datum of 1929.

REMARKS. --No estimated daily discharges. Records good. Flow regulated occasionally at outlet of Swan Lake.

AVERAGE DISCHARGE. --39 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, 42 ft³/s Feb. 12, gage height, 1.49 ft; minimum, 0.25 ft³/s Feb. 9, gage height, 0.12 ft (result of freezeup).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	15	14	13	12	13	14	11	12	10	12	9.9
2	19	16	14	13	13	13	13	12	10	9.8	11	9.9
3	19	15	14	13	13	13	13	20	9.8	11	10	10
4	17	16	14	13	12	12	12	13	9.8	11	10	9.9
5	17	17	14	13	12	13	12	11	15	11	10	9.8
6	16	16	21	13	12	13	12	11	12	11	9.8	9.6
7	16	16	14	13	12	12	12	11	11	11	9.8	9.5
8	17	16	13	13	12	13	13	11	12	10	11	9.6
9	17	16	13	13	11	13	13	11	11	11	9.9	9.6
10	16	16	13	13	11	13	12	11	12	11	9.8	9.9
11	16	20	13	13	10	12	13	10	10	11	9.6	10
12	16	21	13	13	19	16	12	10	12	9.8	9.3	9.8
13	16	17	13	13	20	13	12	10	11	10	9.2	9.6
14	16	16	12	13	14	13	12	9.9	11	11	9.8	9.5
15	16	15	12	13	13	13	12	9.9	10	13	9.6	9.4
16	16	16	12	13	13	13	12	9.8	18	12	9.3	9.4
17	16	15	12	13	13	12	12	9.9	12	12	9.0	9.4
18	15	15	12	13	13	13	12	10	11	11	9.0	9.4
19	14	15	12	12	13	12	12	10	10	11	9.2	9.4
20	14	15	12	12	13	12	12	9.9	10	11	9.2	9.4
21	14	15	12	12	13	13	12	11	9.8	11	9.6	9.4
22	16	15	13	12	13	12	12	12	9.8	12	9.2	9.4
23	18	14	13	12	13	13	12	10	9.8	10	9.5	9.4
24	16	14	12	12	13	13	11	10	12	10	9.0	9.6
25	16	14	13	12	13	12	12	10	10	10	16	9.4
26	19	14	12	12	13	12	12	9.8	9.8	16	19	9.2
27	17	14	13	12	13	13	11	9.8	9.9	15	12	17
28	16	15	13	12	13	13	11	11	11	11	10	9.7
29	16	15	13	12	---	12	11	11	13	12	9.9	9.8
30	16	14	13	12	---	13	11	10	11	11	10	9.8
31	15	---	13	12	---	12	---	9.9	---	12	11	---
TOTAL	508	468	407	390	365	395	362	335.9	335.7	348.6	321.7	295.7
MEAN	16.4	15.6	13.1	12.6	13.0	12.7	12.1	10.8	11.2	11.2	10.4	9.86
MAX	20	21	21	13	20	16	14	20	18	16	19	17
MIN	14	14	12	12	10	12	11	9.8	9.8	9.8	9.0	9.2
CAL YR 1984 TOTAL	6837			MEAN	18.7	MAX	32	MIN	12			
WTR YR 1985 TOTAL	4532.6			MEAN	12.4	MAX	21	MIN	9.0			

STREAMS ON LONG ISLAND

49

01305500 SWAN RIVER AT EAST PATCHOGUE, NY--Continued

WATER-QUALITY RECORDS

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	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- LITY TOTAL FIELD MG/L AS CACD3
DEC 10...	1110	12	65	6.30	7.0	10.5	8.0	2.1	9.0	1.9	12
MAR 18...	1110	12	90	6.30	4.0	11.5	7.5	2.0	9.0	1.7	12
JUN 03...	1002	11	91	6.40	15.0	10.3	8.0	2.1	10	1.6	14
SEP 03...	1100	11	90	5.60	12.0	8.5	7.5	2.0	10	1.6	12

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 10...	10	12	<0.5	2.00	2.00	0.009	0.010	0.12	0.13	--
MAR 18...	11	12	<0.5	1.80	1.80	0.006	0.008	0.07	0.09	<0.1
JUN 03...	9.7	12	<0.5	1.50	1.60	0.021	0.022	<0.06	0.05	0.2
SEP 03...	11	11	<0.5	1.55	1.60	0.016	0.024	0.10	0.08	<0.1

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 10...	--	--	--	0.013	0.013	200	100	40	--	<0.02
MAR 18...	0.1	0.018	0.010	0.008	0.009	200	200	140	--	<0.02
JUN 03...	0.3	0.026	0.024	0.008	0.009	300	200	210	--	<0.02
SEP 03...	0.1	0.015	0.014	0.066	0.011	200	200	--	--	--

STREAMS ON LONG ISLAND

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 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	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- LITY TOTAL FIELD MG/L AS CACO3
DEC 10...	1315	--	140	6.40	5.0	10.8	10	3.2	14	4.1	27
MAR 18...	1314	--	135	6.20	6.0	10.7	10	3.1	15	4.0	24
JUN 03...	1051	--	140	6.60	17.0	9.2	10	3.1	16	3.8	27
SEP 03...	1400	--	135	6.00	15.0	7.8	10	3.0	15	3.6	23

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 10...	11	18	<0.5	2.40	2.40	0.02	0.022	0.99	0.96	--
MAR 18...	12	21	<0.5	2.30	2.40	0.026	0.029	0.89	0.89	1.1
JUN 03...	13	23	<0.5	2.20	2.20	0.099	0.088	0.37	0.37	0.6
SEP 03...	12	21	<0.5	2.20	2.20	0.023	0.024	0.10	0.10	0.2

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, ORTHOD, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHOD, 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 10...	--	--	--	0.008	0.009	50	300	330	--	<0.02
MAR 18...	1.3	0.024	0.016	0.006	0.007	600	400	460	--	<0.02
JUN 03...	0.6	0.022	0.017	0.004	0.004	600	500	400	--	<0.02
SEP 03...	0.1	0.021	0.014	0.003	0.003	300	200	180	--	--

STREAMS ON LONG ISLAND

51

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 above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Apr. 17-28, June 22-25, Sept. 21-30. Records good.

AVERAGE DISCHARGE.--6 years, 7.14 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, 21 ft³/s Dec. 6, gage height, 1.02 ft; minimum recorded, 3.0 ft³/s Aug. 23, 24, 29, Sept. 6, 7, 14-20, gage height, 0.34 ft, but may have been less during the period of no gage-height record Sept. 21-30.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	13	12	11	8.8	8.1	10	5.9	7.0	5.4	4.0	3.7
2	16	13	12	11	9.3	8.3	8.3	6.2	5.6	5.1	3.8	3.5
3	15	13	12	11	8.6	8.0	8.0	13	5.3	5.0	3.7	3.4
4	15	13	12	11	8.5	8.1	7.8	9.5	5.2	5.0	3.6	3.3
5	14	14	11	11	8.3	8.9	7.7	8.3	7.9	4.9	3.5	3.2
6	14	13	18	11	8.5	8.0	7.5	8.0	7.2	5.0	3.5	3.2
7	14	12	15	11	8.3	7.9	7.3	7.7	6.0	4.9	3.5	3.2
8	12	12	14	11	8.2	8.7	7.9	7.2	6.4	4.8	3.9	3.2
9	12	12	13	10	8.0	8.3	7.5	6.9	6.2	4.8	3.6	3.3
10	12	12	13	10	8.0	8.0	7.3	6.8	5.7	4.7	3.4	3.4
11	15	14	13	10	8.0	7.9	7.4	6.8	5.3	4.4	3.4	3.4
12	13	17	13	10	11	11	7.3	6.5	6.4	4.4	3.3	3.2
13	13	14	13	9.8	13	9.6	7.3	6.5	6.0	4.4	3.5	3.2
14	13	14	12	9.7	11	9.0	7.3	6.1	5.4	4.2	3.5	3.2
15	13	13	12	9.7	10	8.7	7.4	6.1	5.1	4.2	3.5	3.2
16	13	13	12	9.5	9.6	8.5	7.4	6.1	7.9	4.5	3.5	3.1
17	13	13	12	9.6	9.5	8.6	7.4	6.1	6.0	4.5	3.4	3.1
18	13	13	12	9.5	9.2	8.5	7.0	6.3	5.8	4.0	3.4	3.1
19	13	13	12	9.5	9.1	8.2	7.0	6.1	5.5	3.9	3.4	3.1
20	13	12	12	9.3	8.9	8.3	7.0	5.9	5.2	3.7	3.3	3.1
21	13	12	12	9.1	8.6	8.1	6.5	7.2	5.1	3.5	3.3	3.1
22	13	12	13	9.0	8.3	8.0	6.5	8.0	5.1	4.5	3.3	3.1
23	16	12	12	9.0	8.5	8.1	6.5	6.5	5.1	4.3	3.2	3.1
24	14	12	11	9.0	8.4	8.1	6.5	6.2	5.5	3.7	3.1	3.3
25	13	12	12	9.0	7.8	8.0	6.5	6.0	6.1	3.6	4.3	3.1
26	14	12	11	8.8	8.5	7.9	6.5	5.7	5.9	8.5	4.2	3.1
27	13	12	11	8.7	8.2	7.9	6.5	5.5	5.1	6.4	3.5	3.3
28	13	12	11	8.7	8.1	8.0	6.1	5.8	5.1	4.9	3.3	3.3
29	14	12	12	8.7	---	7.9	6.0	6.1	5.4	4.7	3.2	3.3
30	14	12	11	8.5	---	7.7	5.9	5.5	6.1	4.3	4.0	3.1
31	13	---	11	8.5	---	7.6	---	5.4	---	4.1	4.6	---
TOTAL	422	383	382	301.6	250.2	257.9	215.3	209.9	175.6	144.3	110.7	96.9
MEAN	13.6	12.8	12.3	9.73	8.94	8.32	7.18	6.77	5.85	4.65	3.57	3.23
MAX	16	17	18	11	13	11	10	13	7.9	8.5	4.6	3.7
MIN	12	12	11	8.5	7.8	7.6	5.9	5.4	5.1	3.5	3.1	3.1
CAL YR 1984	TOTAL	5042.3		MEAN	13.8	MAX	27	MIN	7.1			
WTR YR 1985	TOTAL	2949.4		MEAN	8.08	MAX	18	MIN	3.1			

STREAMS ON LONG ISLAND

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 above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records good.

AVERAGE DISCHARGE.--7 years, 30.2 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, 53 ft³/s May 3, gage height 2.28 ft; maximum gage height, 2.30 ft Dec. 6; minimum discharge, 17 ft³/s Sept. 17-23, gage height, 1.98 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	36	36	32	30	36	39	28	30	23	21	19
2	40	36	36	32	32	36	35	28	27	23	20	19
3	38	36	37	32	31	36	35	45	27	23	20	19
4	36	36	38	32	31	37	34	40	27	23	20	19
5	36	39	37	32	31	40	34	36	30	22	20	19
6	36	38	47	31	32	38	34	35	32	22	20	19
7	35	36	41	31	30	38	34	33	28	22	19	18
8	35	35	36	31	29	38	34	32	28	21	20	18
9	35	35	36	30	29	37	33	32	28	21	19	18
10	35	35	35	29	29	36	32	31	27	22	19	18
11	37	39	35	29	29	36	32	31	26	21	19	19
12	37	46	34	29	33	41	32	31	26	21	19	18
13	36	43	34	29	44	39	32	31	27	21	19	18
14	36	41	33	29	42	38	32	31	27	21	19	17
15	36	40	32	29	42	37	32	31	26	22	19	17
16	36	40	32	29	40	36	32	30	32	22	19	17
17	36	38	32	30	40	36	32	29	30	22	19	17
18	36	38	32	31	40	36	31	29	29	22	18	17
19	36	38	32	29	40	36	31	29	28	22	18	17
20	36	38	32	29	39	36	31	29	27	21	19	17
21	36	38	32	29	38	36	30	30	26	21	19	17
22	36	38	34	29	37	36	29	32	26	22	19	17
23	45	38	32	30	37	36	29	29	25	21	19	17
24	40	38	32	32	38	36	29	28	27	20	19	18
25	38	38	32	31	38	36	29	28	28	20	23	17
26	39	38	31	30	38	36	29	28	25	27	23	17
27	39	38	32	29	37	36	29	28	24	30	20	18
28	37	37	32	29	36	36	28	27	25	24	19	18
29	40	37	32	29	---	36	28	28	28	23	19	18
30	38	36	32	29	---	36	28	27	25	22	20	17
31	37	---	32	30	---	36	---	27	---	21	22	---
TOTAL	1151	1139	1060	932	992	1139	949	953	821	688	608	534
MEAN	37.1	38.0	34.2	30.1	35.4	36.7	31.6	30.7	27.4	22.2	19.6	17.8
MAX	45	46	47	32	44	41	39	45	32	30	23	19
MIN	35	35	31	29	29	36	28	27	24	20	18	17
CAL YR 1984 TOTAL		14087		MEAN	38.5	MAX	75	MIN	26			
WTR YR 1985 TOTAL		10966		MEAN	30.0	MAX	47	MIN	17			

STREAMS ON LONG ISLAND

53

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 above 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.--Estimated daily discharges: Jan. 21-24, Feb. 7-11, Apr. 27 to May 8, May 10 to June 10, and Sept. 27-30. Records fair except for periods of no gage-height record, Apr. 27 to May 8 and May 10 to June 10, which are poor. Flow at both gages occasionally regulated by cleaning operations at outlets of ponds above stations. Discharge figures are those of combined flows in main and secondary channels.

AVERAGE DISCHARGE.--42 years, 38.8 ft³/s.

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

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 75 ft³/s Feb. 13; minimum daily, 22 ft³/s Apr. 31, May 1, 2.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	37	36	38	40	33	40	22	41	31	34	32
2	54	38	30	38	41	33	38	22	37	31	32	31
3	45	32	33	34	39	31	35	52	34	32	32	31
4	41	37	40	35	40	31	35	52	24	31	31	30
5	38	48	34	40	39	36	34	40	29	30	31	29
6	38	44	56	34	45	33	40	38	37	31	30	29
7	37	37	48	28	44	31	34	38	33	30	30	29
8	36	37	40	32	38	35	32	35	33	29	33	29
9	36	39	38	32	36	33	29	32	35	30	31	30
10	37	40	39	32	37	32	28	33	33	30	31	30
11	39	46	39	33	39	32	28	32	31	29	31	31
12	39	61	39	35	48	47	28	32	35	26	30	30
13	41	49	39	36	75	43	27	34	37	26	29	29
14	46	40	39	37	56	37	27	33	31	26	29	29
15	47	41	38	37	45	36	28	32	27	27	29	28
16	45	43	38	32	44	34	30	32	42	28	29	27
17	43	36	36	33	40	33	28	35	40	28	29	28
18	42	35	34	38	39	34	25	40	39	27	29	28
19	43	35	38	41	37	35	28	35	39	27	30	28
20	41	35	39	35	37	35	28	33	35	26	30	28
21	38	29	36	34	36	32	26	36	32	26	31	28
22	39	30	44	34	36	30	27	36	31	31	30	28
23	48	32	38	36	36	30	27	33	31	33	30	28
24	43	30	34	38	36	32	31	33	34	30	29	31
25	41	30	36	39	34	31	30	33	35	28	38	31
26	43	36	32	37	34	29	24	35	31	44	40	34
27	42	34	32	35	35	29	24	35	33	46	32	50
28	42	32	33	35	32	31	24	35	38	36	30	42
29	44	44	36	35	---	31	23	35	40	34	30	33
30	41	39	36	37	---	31	22	34	34	33	32	30
31	39	---	36	37	---	31	---	35	---	32	32	---
TOTAL	1300	1146	1166	1097	1138	1031	880	1082	1031	948	964	921
MEAN	41.9	38.2	37.6	35.4	40.6	33.3	29.3	34.9	34.4	30.6	31.1	30.7
MAX	54	61	56	41	75	47	40	52	42	46	40	50
MIN	36	29	30	28	32	29	22	22	24	26	29	27
CAL YR 1984	TOTAL	18850		MEAN	51.5	MAX	103	MIN	29			
WTR YR 1985	TOTAL	12704		MEAN	34.8	MAX	75	MIN	22			

STREAMS ON LONG ISLAND

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 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	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- LITY TOTAL FIELD MG/L AS CACO3
DEC 11...	1415	14	--	6.10	8.0	8.0	7.0	2.8	10	1.7	15
MAR 19...	1430	24	90	6.50	3.0	12.5	7.5	2.7	8.5	1.5	16
JUN 04...	1400	16	95	6.60	13.0	12.2	7.5	2.8	10	1.5	16
SEP 04...	1400	23	95	5.90	12.0	7.0	8.5	2.9	8.5	1.4	16

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 11...	8.6	12	<0.5	1.95	2.00	0.010	0.010	0.14	0.10	--
MAR 19...	8.4	12	<0.5	1.75	1.70	0.008	0.009	<0.05	<0.05	0.1
JUN 04...	8.6	13	<0.5	1.40	1.50	0.018	0.024	0.07	0.08	0.4
SEP 04...	8.4	12	<0.5	1.70	1.80	0.014	0.018	0.04	0.05	<0.1

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 11...	--	--	--	0.012	0.013	200	200	110	--	<0.02
MAR 19...	<0.1	0.023	0.012	0.006	0.007	300	200	50	--	<0.02
JUN 04...	0.3	0.028	0.017	0.006	0.006	300	200	130	--	<0.02
SEP 04...	<0.1	0.015	0.010	0.004	0.006	100	100	30	--	--

STREAMS ON LONG ISLAND

55

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 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	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- LITY TOTAL FIELD MG/L AS CACO3
DEC 11...	1201	--	200	5.90	9.0	5.5	14	3.9	29	3.3	22
MAR 19...	1310	--	180	5.60	5.0	8.0	13	3.4	25	2.9	17
JUN 04...	1310	--	210	5.70	9.0	6.3	13	3.5	25	2.9	20
SEP 04...	1300	--	180	5.30	9.0	2.8	14	3.2	23	2.6	16

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 11...	19	47	<0.5	3.30	3.30	0.034	0.034	0.48	0.48	--
MAR 19...	18	43	<0.5	3.10	3.10	0.015	0.019	0.45	0.46	0.6
JUN 04...	17	39	<0.5	2.70	2.70	0.039	0.044	0.55	0.58	0.9
SEP 04...	17	34	<0.5	2.60	2.65	0.048	0.051	0.15	0.18	0.1

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, ORTHOPHOS- PHATE, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHOPHOS- PHATE, 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 11...	--	--	--	0.006	0.008	500	300	800	--	<0.02
MAR 19...	0.6	0.030	0.016	0.009	0.010	500	400	580	--	<0.02
JUN 04...	0.8	0.025	0.018	0.010	0.014	700	400	730	--	0.03
SEP 04...	0.2	0.056	0.035	0.005	0.009	200	200	300	--	--

STREAMS ON LONG ISLAND

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 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	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- LITY TOTAL FIELD MG/L AS CACO3
DEC 11...	1055	--	110	6.10	10.0	6.9	18	3.6	28	4.0	28
MAR 19...	1120	--	225	5.80	5.0	8.5	16	3.4	30	3.7	26
JUN 04...	1130	--	220	5.90	9.0	7.4	16	3.5	31	2.8	25
SEP 04...	1100	--	220	5.60	10.0	6.3	17	3.3	30	3.3	23

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 11...	22	42	<0.5	3.80	3.70	0.023	0.023	0.90	0.92	--
MAR 19...	24	46	<0.5	3.80	3.80	0.014	0.016	0.90	0.91	0.8
JUN 04...	20	47	<0.5	3.50	3.60	0.038	0.043	0.85	0.85	0.8
SEP 04...	21	44	<0.5	3.70	3.70	0.049	0.050	0.69	0.69	0.5

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 11...	--	--	--	0.006	0.006	800	400	1300	--	0.03
MAR 19...	0.6	0.041	0.009	0.003	0.005	900	400	1400	--	<0.02
JUN 04...	0.8	0.018	0.010	0.005	0.006	500	400	1400	--	0.03
SEP 04...	0.5	0.022	0.058	0.003	0.005	400	200	1200	--	--

STREAMS ON LONG ISLAND

57

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 above National Geodetic Vertical Datum of 1929. October 1944 to December 1966, water-stage recorder at site 100 ft east at datum 0.34 ft higher.

REMARKS.--Records good except those for August to September, which are fair. Flow regulated slightly by pumping operations at railroad and occasionally by ponds above station. Indeterminate effect caused by ground-water pumpage for water-supply purposes at Smith Street substation 0.2 mi northwest of gage. Prior to November 1950, slight diurnal fluctuation caused by power operations.

AVERAGE DISCHARGE.--41 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 greater than base discharge of 75 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct. 22	2400	* 87	1.49	July 26	1045	Backwater from debris	*1.55
Feb. 12	1745	83	1.42				

Minimum discharge, 3.5 ft³/s Aug. 26, gage height, 0.27 ft (result of regulation); minimum gage height, 0.2 ft Sept. 22, 23, 25, 26, 27.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	12	9.9	9.6	9.9	8.0	17	6.5	14	8.2	10	6.2
2	12	11	9.4	10	11	8.3	9.7	7.4	7.5	8.3	9.7	6.1
3	12	11	13	9.7	9.2	8.2	8.8	24	6.9	8.1	9.4	5.7
4	12	11	11	9.9	8.4	9.3	8.3	12	6.4	8.4	9.8	6.0
5	12	13	9.9	11	8.5	9.4	8.4	9.7	16	7.5	10	6.5
6	12	10	30	9.8	8.8	8.2	8.4	9.0	9.4	8.0	9.7	6.2
7	11	11	15	10	8.4	8.1	9.1	8.5	7.8	7.6	9.6	5.6
8	11	10	12	9.7	8.1	9.7	9.6	8.0	8.7	7.7	11	6.4
9	11	11	11	9.2	8.0	8.5	8.4	7.6	7.6	7.4	8.9	20
10	11	11	11	9.2	7.7	8.2	8.0	7.7	7.1	9.0	9.4	11
11	11	32	11	9.7	7.7	8.0	8.1	7.6	6.4	8.0	9.5	9.3
12	11	29	11	9.5	24	16	7.8	7.4	8.9	8.1	9.1	7.7
13	11	17	10	9.2	16	11	7.6	7.3	7.0	8.0	9.1	7.2
14	11	13	9.4	9.2	12	10	7.7	7.0	6.5	8.3	9.3	6.8
15	10	12	10	9.1	11	9.4	8.5	6.8	6.2	8.4	8.4	6.5
16	10	12	9.8	8.8	9.9	8.7	8.4	6.8	18	14	8.1	6.2
17	11	12	10	9.1	9.7	10	7.6	6.8	8.1	9.8	7.8	5.9
18	11	12	9.7	9.1	9.2	9.2	7.7	6.8	9.4	9.1	7.7	5.8
19	11	12	10	9.4	9.2	8.4	8.7	6.2	6.9	8.5	7.6	6.1
20	11	11	9.8	8.9	9.1	8.9	8.1	6.1	6.7	9.6	7.3	5.8
21	11	11	10	8.4	8.5	8.6	8.0	17	6.3	9.7	7.7	5.6
22	14	11	12	8.4	8.7	8.8	7.9	11	6.3	14	7.4	5.0
23	26	11	11	8.4	8.9	9.2	7.6	8.4	6.5	10	6.6	4.8
24	17	11	9.9	8.4	8.8	9.5	7.4	7.5	14	10	6.2	6.8
25	14	10	10	8.4	8.3	8.8	7.5	7.0	8.0	11	19	4.9
26	16	10	9.1	8.2	8.3	8.1	7.1	6.7	7.7	25	9.0	4.7
27	12	10	9.6	8.0	8.4	8.4	6.7	6.8	7.6	17	7.3	13
28	12	11	11	8.0	8.0	8.7	6.8	8.2	8.9	11	6.7	5.7
29	15	11	11	8.0	---	9.8	6.3	7.8	12	10	6.2	5.7
30	12	10	9.7	8.0	---	8.9	6.5	6.8	8.4	9.5	6.6	5.7
31	12	---	9.4	8.2	---	8.5	---	6.8	---	9.5	6.3	---
TOTAL	389	379	345.6	280.5	273.7	282.8	247.7	263.2	261.2	308.7	270.4	208.9
MEAN	12.5	12.6	11.1	9.05	9.77	9.12	8.26	8.49	8.71	9.96	8.72	6.96
MAX	26	32	30	11	24	16	17	24	18	25	19	20
MIN	10	10	9.1	8.0	7.7	8.0	6.3	6.1	6.2	7.4	6.2	4.7
CAL YR 1984	TOTAL	5773.9		MEAN	15.8	MAX	64	MIN	4.5			
WTR YR 1985	TOTAL	3510.7		MEAN	9.62	MAX	32	MIN	4.7			

STREAMS ON LONG ISLAND

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 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	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- LITY TOTAL FIELD MG/L AS CACO3
DEC 11...	1005	11	180	6.30	9.0	6.4	14	3.1	20	4.3	42
MAR 19...	1008	8.4	205	5.90	5.0	7.6	14	3.0	24	4.2	31
JUN 04...	1002	6.4	190	5.80	13.0	6.1	14	3.0	23	4.1	30
SEP 04...	1000	5.7	190	5.30	12.0	4.4	15	3.0	24	3.7	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 11...	27	26	<0.5	3.00	3.00	0.026	0.026	1.60	1.60	--
MAR 19...	26	36	<0.5	2.40	2.60	0.015	0.016	2.00	2.00	2.3
JUN 04...	26	30	<0.5	2.30	2.50	0.070	0.073	1.70	1.70	2.2
SEP 04...	25	32	<0.5	3.30	3.20	0.102	0.111	0.66	0.66	0.5

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 11...	--	--	--	0.005	0.006	700	500	1400	--	0.05
MAR 19...	2.4	0.022	0.018	0.008	0.008	1900	1700	1800	--	0.04
JUN 04...	2.1	0.026	0.018	0.007	0.008	1000	700	1400	--	0.04
SEP 04...	0.9	0.081	0.003	0.004	0.006	700	500	1000	--	--

STREAMS ON LONG ISLAND

59

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 above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Jan. 19-25. Records good. Occasional regulation at outlet of Southards Pond.

AVERAGE DISCHARGE.--41 years, 26.8 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, 94 ft³/s Dec. 6, gage height, 1.35 ft; minimum, 12 ft³/s Jan. 9 (result of regulation), Sept. 21, 22, 23, gage height, 0.50 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	22	22	24	23	22	41	18	34	21	18	16
2	28	22	20	25	28	22	28	20	23	20	16	15
3	25	20	24	25	24	21	25	61	20	20	16	15
4	23	20	25	24	22	22	24	37	19	20	15	14
5	22	27	22	26	21	27	24	28	39	19	14	14
6	21	24	61	23	21	22	23	26	35	20	14	14
7	21	22	36	23	21	21	22	25	25	19	14	13
8	22	21	29	22	19	26	26	24	26	19	18	14
9	22	21	27	22	19	24	23	22	25	19	16	28
10	22	22	26	20	19	23	22	22	22	15	15	22
11	22	40	26	21	19	22	22	22	21	14	14	18
12	21	57	25	21	33	44	22	21	25	15	14	15
13	21	32	24	21	58	32	21	21	23	15	13	14
14	20	28	24	21	34	28	21	20	20	16	14	14
15	20	26	24	21	29	26	22	19	19	16	14	13
16	20	26	23	20	27	25	24	19	39	20	13	13
17	20	25	23	20	26	26	21	20	27	24	13	13
18	20	24	23	20	25	24	20	21	29	17	12	13
19	20	25	23	20	25	24	22	19	25	16	13	13
20	20	24	23	20	24	24	23	18	22	15	13	13
21	20	22	23	20	24	24	21	30	20	14	14	12
22	21	22	30	20	24	23	21	37	19	22	14	12
23	38	22	24	20	24	24	20	23	18	18	13	12
24	26	22	23	20	24	24	20	22	28	15	13	18
25	23	22	25	21	23	23	21	20	30	14	25	16
26	26	22	22	20	22	22	20	20	22	43	27	14
27	25	22	23	20	23	22	20	20	20	40	19	26
28	24	22	25	20	22	23	19	21	24	23	16	21
29	28	23	26	19	---	23	18	28	32	20	15	16
30	24	22	24	19	---	22	18	21	23	19	15	15
31	22	---	23	20	---	22	---	20	---	18	22	---
TOTAL	715	749	798	658	703	757	674	745	754	606	482	466
MEAN	23.1	25.0	25.7	21.2	25.1	24.4	22.5	24.0	25.1	19.5	15.5	15.5
MAX	38	57	61	26	58	44	41	61	39	43	27	28
MIN	20	20	20	19	19	21	18	18	18	14	12	12
CAL YR 1984 TOTAL	13343		MEAN		36.5	MAX	132	MIN	20			
WTR YR 1985 TOTAL	8107		MEAN		22.2	MAX	61	MIN	12			

STREAMS ON LONG ISLAND

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 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	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- LITY TOTAL FIELD MG/L AS CACO3
DEC 11...	0920	26	100	6.70	7.0	8.2	7.0	1.5	11	4.0	31
MAR 19...	0910	24	180	6.30	2.0	11.5	12	2.8	23	3.9	24
JUN 04...	0907	19	170	5.80	14.0	6.4	13	2.8	22	3.6	21
SEP 04...	0900	14	165	5.70	17.0	6.8	14	2.8	20	3.5	16

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 11...	26	28	<0.5	3.20	3.20	0.028	0.029	1.20	1.20	--
MAR 19...	27	31	<0.5	3.00	3.10	0.012	0.013	1.20	1.20	1.6
JUN 04...	24	27	<0.5	2.40	2.40	0.032	0.039	0.61	0.65	0.8
SEP 04...	24	25	<0.5	2.60	2.60	0.014	0.018	0.15	0.17	0.2

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 11...	--	--	--	0.003	0.003	400	300	800	--	0.03
MAR 19...	1.6	0.025	0.013	<0.002	0.003	400	400	1000	--	0.04
JUN 04...	0.8	0.018	0.009	0.002	0.004	400	300	1100	--	0.03
SEP 04...	0.3	0.050	0.010	<0.001	0.001	200	200	300	--	--

STREAMS ON LONG ISLAND

61

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 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	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- LITY TOTAL FIELD MG/L AS CAO3
DEC 11...	0810	--	120	6.30	9.0	6.4	20	4.0	30	7.0	38
MAR 19...	0910	--	170	6.10	2.0	8.4	16	3.3	25	4.8	43
JUN 04...	0803	--	220	6.10	9.0	11.8	18	3.8	27	6.5	48
SEP 04...	0800	--	210	5.60	11.0	3.2	16	3.0	22	4.5	42

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 11...	31	41	<0.5	1.40	1.40	0.009	0.009	3.35	3.30	--
MAR 19...	28	35	<0.5	1.15	1.20	0.006	0.006	2.50	2.50	2.6
JUN 04...	29	36	<0.5	1.30	1.30	0.035	0.037	2.60	2.60	3.4
SEP 04...	27	30	<0.5	0.87	0.84	0.023	0.02	2.30	2.30	3.3

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 11...	--	--	--	0.006	0.006	1100	800	2800	--	0.05
MAR 19...	3.3	0.037	0.032	0.007	0.009	1200	1100	2600	--	0.03
JUN 04...	3.1	0.030	0.012	0.008	0.008	1800	1100	2800	--	0.06
SEP 04...	3.4	0.037	0.043	0.007	0.007	1300	800	2600	--	--

STREAMS ON LONG ISLAND

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 above 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.--No estimated daily discharges. Records good.

AVERAGE DISCHARGE.--48 years (1937-85), 11.3 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 greater than base discharge of 110 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 12	1815	*146	*1.63	No other peak greater than base discharge			

Minimum discharge, 1.5 ft³/s Aug. 28, gage height, 0.61 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	5.9	5.4	6.4	6.9	5.3	17	3.9	8.6	3.3	2.9	2.1
2	9.6	6.1	5.1	9.5	7.2	5.3	6.6	4.6	4.0	3.3	2.7	2.2
3	8.6	5.8	8.4	6.9	5.5	4.9	6.1	25	3.8	3.2	2.5	2.1
4	8.1	5.8	6.3	6.7	4.9	5.4	5.6	8.0	4.1	3.1	2.4	2.1
5	7.7	12	5.4	6.8	5.0	6.7	5.5	6.8	21	2.9	2.4	2.5
6	7.7	6.8	24	6.0	5.0	5.1	5.4	6.3	5.9	2.9	2.2	2.1
7	7.7	6.3	9.6	6.1	4.5	4.9	5.2	6.2	4.3	2.9	2.2	2.1
8	7.7	5.9	8.4	6.1	4.5	7.0	7.6	5.6	6.6	2.8	4.0	2.0
9	7.7	5.9	7.9	5.8	4.5	5.7	5.9	5.1	4.2	2.8	2.4	9.9
10	7.7	6.1	7.7	5.5	4.5	5.4	5.9	4.9	3.7	2.7	2.2	3.7
11	7.7	24	7.5	5.8	4.6	5.0	6.4	4.7	3.5	2.5	2.2	2.9
12	7.7	19	7.2	5.7	37	16	5.6	4.5	5.1	2.4	2.1	2.9
13	7.7	8.7	7.2	5.4	13	7.3	4.9	4.5	3.6	2.3	2.0	2.7
14	7.7	7.6	6.7	5.5	8.1	6.6	5.3	4.2	3.2	2.3	3.0	2.2
15	7.3	7.2	7.0	5.6	6.9	6.3	5.8	4.0	3.1	2.3	2.6	2.2
16	7.1	7.0	6.7	5.4	6.4	6.2	6.3	4.0	17	5.9	2.2	2.2
17	6.9	6.7	6.7	5.7	6.0	6.2	5.3	4.0	5.1	3.5	2.2	2.2
18	6.7	6.6	6.7	5.4	5.7	5.8	5.3	4.5	6.5	2.5	2.0	2.0
19	6.7	7.1	6.7	5.4	5.8	5.6	6.3	3.9	4.1	2.1	2.2	2.0
20	6.7	6.7	6.6	5.4	5.5	5.8	5.9	3.6	3.6	2.2	2.3	2.0
21	6.4	6.7	6.9	4.9	5.5	5.8	5.4	8.7	3.5	2.1	2.5	2.0
22	6.9	7.1	10	4.9	5.4	5.8	5.5	9.1	3.2	8.2	2.4	2.0
23	13	6.8	6.9	4.9	5.4	6.1	5.4	4.6	3.1	3.3	2.2	2.0
24	7.1	6.7	6.6	4.9	5.5	5.8	5.4	4.2	12	2.4	2.2	6.3
25	6.5	6.7	7.5	5.4	5.5	5.8	5.4	3.9	4.5	2.2	5.4	2.7
26	8.0	6.7	6.3	5.4	5.4	6.1	5.1	3.7	3.3	22	6.0	2.3
27	6.8	6.6	6.6	5.4	5.5	6.3	4.8	4.4	3.3	15	2.8	12
28	6.3	6.2	7.9	5.8	5.5	6.3	4.8	5.6	4.1	4.1	2.3	3.4
29	9.2	8.8	7.8	5.4	---	6.3	4.4	8.2	4.1	3.5	2.3	2.7
30	6.7	5.6	7.0	4.9	---	6.3	3.9	4.4	3.2	3.1	3.6	2.5
31	6.3	---	6.4	4.5	---	6.4	---	3.8	---	3.1	4.1	---
TOTAL	240.9	235.1	237.1	177.5	195.2	193.5	178.0	178.9	165.3	126.9	84.5	92.0
MEAN	7.77	7.84	7.65	5.73	6.97	6.24	5.93	5.77	5.51	4.09	2.73	3.07
MAX	13	24	24	9.5	37	16	17	25	21	22	6.0	12
MIN	6.3	5.6	5.1	4.5	4.5	4.9	3.9	3.6	3.1	2.1	2.0	2.0
CAL YR 1984 TOTAL	5912.2			MEAN	16.2	MAX	80	MIN	5.1			
WTR YR 1985 TOTAL	2104.9			MEAN	5.77	MAX	37	MIN	2.0			

STREAMS ON LONG ISLAND

63

01309500 MASSAPEQUA CREEK AT MASSAPEQUA, NY--Continued

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

		STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	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 CAR- BONATE (MG/L- CACO3)	HARD- NESS NONCARB WH WAT TOT FLD MG/L AS CACO3
NOV 30...	1345	5.4	270	6.80	10.5	759	7.3	66	--	36
MAY 30...	0850	4.4	233	6.00	17.0	765	11.0	113	--	37
AUG 13...	0830	7.3	279	6.50	18.0	764	7.3	77	--	42
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 CONSTITUENTS, DIS- SOLVED (MG/L)
NOV 30...	18	3.4	23	3.7	23	35	31	<0.1	8.5	140
MAY 30...	17	3.4	22	3.6	19	28	29	<0.1	6.2	120
AUG 13...	19	3.8	22	3.9	21	33	31	<0.1	6.7	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 30...	4.26	0.04	0.87	0.63	5.8	0.01	0.01	250	1300	0.10
MAY 30...	3.67	0.03	0.89	0.01	4.6	<0.01	<0.01	480	1000	0.12
AUG 13...	3.55	0.05	0.44	0.26	4.3	<0.01	<0.01	360	700	--

STREAMS ON LONG ISLAND

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 (01309750): Water-stage recorder. Concrete control since July 24, 1974. Datum of gage is 15.06 ft above 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 (01309790): 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. --Estimated daily discharges: Jan. 21-28. 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. --48 years (1937-85), 10.2 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, 26 ft³/s Feb. 12; minimum daily, 1.2 ft³/s Aug. 16, 18, Sept. 17-23.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.3	3.8	3.7	5.0	5.2	3.9	12	3.1	13	2.6	2.2	1.2
2	5.4	4.0	3.4	9.0	5.6	4.0	4.2	4.0	2.8	2.4	2.2	1.4
3	4.7	3.6	6.3	6.1	4.1	3.6	4.1	25	2.6	2.3	2.1	1.3
4	4.3	3.7	4.1	5.1	4.2	4.2	3.9	4.6	2.4	2.2	2.0	1.3
5	4.1	11	3.5	4.8	4.3	4.4	4.2	3.8	18	2.0	1.8	1.5
6	4.0	4.3	25	4.4	4.7	3.8	4.0	3.8	4.4	2.1	1.8	1.4
7	3.9	3.7	6.9	5.2	4.7	3.8	3.8	3.4	4.1	2.0	1.4	1.3
8	3.9	3.7	6.2	4.4	4.4	5.0	5.2	3.0	5.8	1.9	2.8	1.4
9	3.9	3.7	5.8	5.5	3.4	3.8	4.1	2.9	4.2	1.9	1.5	9.3
10	3.9	3.7	5.8	4.4	3.4	3.8	3.7	3.0	4.0	1.8	1.4	2.0
11	3.9	20	5.6	5.3	4.3	3.7	3.9	3.0	3.7	1.6	1.7	1.6
12	3.9	13	5.7	4.2	26	12	3.7	2.6	4.6	1.5	2.0	1.5
13	3.9	5.2	6.4	4.2	9.9	5.1	3.7	2.7	3.7	1.5	1.3	1.7
14	3.9	4.9	6.2	5.4	5.9	4.7	3.7	2.4	4.2	1.4	5.6	4.6
15	3.7	4.9	5.1	4.1	5.3	4.8	4.3	2.3	4.3	1.4	1.9	1.4
16	3.6	5.3	5.1	4.9	4.9	5.2	4.1	2.5	16	8.6	1.2	1.3
17	3.6	4.9	5.4	4.5	4.7	4.3	3.5	2.5	4.6	2.2	1.3	1.2
18	3.8	4.9	5.1	5.2	4.4	4.4	3.7	3.4	5.6	1.6	1.2	1.2
19	3.8	5.0	5.8	4.4	4.4	4.8	4.2	2.4	4.6	1.4	1.5	1.2
20	3.5	4.3	5.7	4.0	4.2	4.7	3.8	2.1	4.0	1.4	1.6	1.2
21	3.4	4.7	6.9	5.8	4.2	4.8	3.6	14	3.4	1.3	1.6	1.2
22	4.5	3.9	7.7	5.4	4.3	4.7	3.9	5.9	3.0	5.8	1.6	1.2
23	8.5	4.1	5.0	5.3	4.2	4.7	3.6	3.0	2.6	2.1	1.4	1.2
24	4.1	4.0	4.9	5.2	4.1	3.9	3.5	2.8	11	1.6	1.4	7.2
25	3.7	3.8	5.4	5.3	3.9	3.8	3.7	2.5	3.3	1.6	3.1	1.5
26	5.0	4.6	5.5	4.8	4.0	3.8	3.6	2.2	2.8	11	2.4	1.5
27	3.9	4.6	5.0	4.7	3.9	3.9	3.3	2.2	2.9	8.9	1.6	11
28	3.8	3.8	5.8	4.1	3.8	3.9	3.3	7.6	3.2	2.7	1.6	2.6
29	6.1	5.2	5.6	3.4	---	3.9	3.2	4.0	3.1	2.6	1.4	2.2
30	3.9	3.8	4.9	3.4	---	3.6	3.2	2.8	2.7	2.3	1.5	2.6
31	3.8	---	4.8	3.4	---	3.8	---	2.7	---	2.2	1.4	---
TOTAL	133.7	160.1	188.3	150.9	150.4	138.8	122.7	132.2	154.6	85.9	57.5	71.2
MEAN	4.31	5.34	6.07	4.87	5.37	4.48	4.09	4.26	5.15	2.77	1.85	2.37
MAX	8.5	20	25	9.0	26	12	12	25	18	11	5.6	11
MIN	3.4	3.6	3.4	3.4	3.4	3.6	3.2	2.1	2.4	1.3	1.2	1.2
CAL YR 1984 TOTAL	4091.4			MEAN	11.2	MAX	63	MIN	3.4			
WTR YR 1985 TOTAL	1546.3			MEAN	4.24	MAX	26	MIN	1.2			

STREAMS ON LONG ISLAND

65

01310000 BELLMORE CREEK NEAR BELLMORE, NY--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--01307950 (Base gage): April 1966 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	TIME	STREAM- FLOW, INSTAN- TANEDUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	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 CAR- BONATE (MG/L- CACO3)	HARD- NESS NONCARB WH WAT TOT FLD MG/L AS CACO3
		CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY LAB (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)
DEC 05...	1420	2.4	298	6.30	8.5	773	7.4	62	--	41
MAY 30...	0950	2.6	254	6.10	18.0	765	9.8	103	--	29
DEC 05...	20	3.5	28	3.5	23	34	40	<0.1	9.4	160
MAY 30...	18	3.2	26	3.1	29	26	40	<0.1	6.2	140
DEC 05...	--	<0.01	<0.01	--	5.7	<0.01	<0.01	210	740	0.07
MAY 30...	3 12	0.08	0.48	0.52	4.2	<0.01	<0.01	590	350	0.08

STREAMS ON LONG ISLAND

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 above 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. --No estimated daily discharges. Records good except those below 5 ft³/s, which are fair.

AVERAGE DISCHARGE. --48 years (1937-85), 14.6 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 greater than base discharge of 250 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 12	1930	*342	*2.07	Sept. 27	1415	325	2.01

Minimum discharge, 1.2 ft³/s Sept. 23, gage height, 0.17 ft.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	7.7	7.3	7.2	8.8	4.7	29	3.5	29	3.6	2.8	2.2
2	12	8.5	6.7	12	11	4.9	6.2	4.1	5.0	3.4	2.5	2.0
3	9.3	8.1	13	7.7	6.1	4.4	5.1	76	4.2	3.3	2.5	1.8
4	8.9	6.6	8.5	6.7	5.1	4.9	4.6	11	3.7	3.1	2.4	1.8
5	11	23	7.4	9.2	4.8	11	4.4	7.0	52	3.2	2.3	2.8
6	11	8.8	56	6.6	4.9	4.8	4.4	5.9	10	5.5	2.1	1.7
7	8.7	7.6	13	6.1	4.6	4.4	4.1	5.3	6.0	6.0	2.2	1.5
8	10	6.7	9.6	5.8	4.4	9.8	6.4	5.0	12	3.3	6.1	1.6
9	9.4	6.9	9.2	6.3	4.2	5.9	4.7	4.1	6.1	3.1	2.9	26
10	9.0	7.0	8.4	6.4	4.0	5.0	4.0	4.0	4.6	2.9	2.2	5.6
11	8.6	32	7.8	6.7	4.2	4.7	4.0	3.6	4.0	2.8	8.0	2.9
12	8.6	35	8.4	6.0	73	32	3.6	3.6	10	2.6	12	2.3
13	8.4	11	7.2	5.5	21	9.0	3.7	3.5	5.5	2.5	3.2	2.1
14	8.1	9.5	6.6	5.6	10	7.0	3.6	4.3	3.8	2.6	23	1.8
15	7.9	8.5	7.7	5.4	8.0	6.2	4.2	3.8	3.4	2.5	8.3	1.7
16	7.5	8.2	6.3	5.1	6.9	5.9	5.0	3.5	43	13	3.4	1.6
17	7.4	8.1	6.4	5.5	6.8	5.9	3.9	3.3	7.3	7.1	2.5	1.5
18	7.4	8.0	6.7	5.4	6.3	5.6	3.7	3.6	7.4	3.1	2.3	1.5
19	7.4	8.1	5.9	5.1	6.0	5.0	4.1	3.2	5.1	2.5	2.3	1.4
20	7.3	6.7	6.3	5.0	5.6	4.7	4.0	3.0	4.3	2.3	2.1	1.3
21	7.4	6.2	7.7	4.7	5.5	4.4	4.0	20	3.8	2.1	2.4	1.4
22	8.1	5.9	16	8.1	5.5	4.3	4.0	25	3.5	14	2.2	1.4
23	25	6.2	7.2	5.1	5.4	4.9	6.1	5.2	3.4	6.5	2.0	1.3
24	9.8	6.2	6.7	5.1	5.3	4.8	4.0	4.2	34	2.9	1.9	14
25	7.8	6.0	7.8	4.7	5.1	4.2	3.9	3.8	9.0	2.5	14	3.4
26	12	5.9	6.2	4.7	5.1	4.0	3.6	3.4	5.4	41	4.8	2.1
27	8.4	5.9	6.5	4.3	5.1	4.0	3.6	3.5	4.6	36	2.7	74
28	7.9	5.9	9.4	4.3	4.7	4.0	3.6	22	5.4	5.2	2.3	8.1
29	18	12	8.8	4.2	---	4.0	3.6	15	5.1	3.8	2.0	3.5
30	7.9	7.5	6.9	4.0	---	3.9	3.6	4.5	4.0	3.2	7.7	2.8
31	7.0	---	5.6	4.2	---	4.0	---	3.9	---	3.1	6.3	---
TOTAL	304.2	293.7	297.2	182.7	247.4	192.3	152.7	271.8	304.6	198.7	143.4	177.1
MEAN	9.81	9.79	9.59	5.89	8.84	6.20	5.09	8.77	10.2	6.41	4.63	5.90
MAX	25	35	56	12	73	32	29	76	52	41	23	74
MIN	7.0	5.9	5.6	4.0	4.0	3.9	3.6	3.0	3.4	2.1	1.9	1.3
CAL YR 1984	TOTAL	7168.0		MEAN	19.6	MAX	191	MIN	5.6			
WTR YR 1985	TOTAL	2765.8		MEAN	7.58	MAX	76	MIN	1.3			

STREAMS ON LONG ISLAND

67

01310500 EAST MEADOW BROOK AT FREEPORT, NY--Continued

WATER-QUALITY RECORDS

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

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	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 CAR- BONATE (MG/L- CACO3)	HARD- NESS NONCARB WH WAT TOT FLD MG/L AS CACO3	
DEC 05...	1340	7.4	321	6.70	7.5	773	9.8	81	--	30	
MAY 30...	1030	4.3	254	6.00	17.5	765	7.7	81	--	23	
AUG 13...	1005	3.0	338	6.60	21.0	765	9.0	100	--	26	
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)
DEC 05...	18	4.2	39	2.8	32	30	57	<0.1	5.9	180	
MAY 30...	16	3.7	31	2.2	32	22	49	<0.1	5.4	150	
AUG 13...	15	3.9	40	2.5	28	24	63	<0.1	5.2	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)
DEC 05...	2.28	0.02	0.16	0.44	2.9	0.06	0.03	520	240	0.08	
MAY 30...	1.57	0.03	0.28	0.62	2.5	0.02	0.03	500	320	--	
AUG 13...	1.17	0.03	0.15	0.55	1.9	<0.01	<0.01	830	220	--	

STREAMS ON LONG ISLAND

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 above 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. --Estimated daily discharges: May 1 to July 9. Records good except those for estimated daily discharges, which are poor. Prior to Feb. 20, 1956, flow occasionally regulated by Pines Pond. Indeterminate diversion from Pines Pond for emergency municipal water supply for City of New York, August 1953 to September 1954.

AVERAGE DISCHARGE. --48 years (1937-85), 3.74 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, 1980-85.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Feb. 12	1730	*269	*4.21	Sept. 27	1115	245	4.02

No flow for all or part of many days in November, August and September.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.3	1.1	.17	.47	1.9	.50	11	.60	10	.05	.05	.00
2	1.9	1.1	.15	1.0	1.2	.50	.43	1.5	.30	.05	.04	.00
3	.85	.39	2.6	.49	.31	.45	.42	35	.30	.05	.04	.00
4	1.0	.01	.99	.52	.28	.58	.35	1.5	.20	.05	.04	.00
5	1.5	7.2	.13	.75	.32	.64	.36	1.5	20	.05	.04	.00
6	.17	.53	26	.52	.33	.46	.34	3.0	.30	1.5	.04	.00
7	.05	2.4	.75	.53	.31	.48	.32	2.5	.20	.05	.03	.00
8	.66	1.7	.46	.54	.32	.76	.52	2.0	3.5	.05	.29	.10
9	.87	1.3	.48	.55	.30	.58	.31	2.0	.20	.05	.04	11
10	.81	.60	1.1	.62	.28	.56	.31	1.5	.20	.04	.04	.08
11	.74	14	.95	.59	.33	.56	.29	1.0	.20	.04	.03	.03
12	.68	11	.63	.64	39	11	.22	1.0	4.0	.04	.04	.01
13	.43	1.7	.84	.63	1.4	.67	.27	2.0	.20	.04	.03	.00
14	.04	1.6	.64	.63	.83	.64	.27	1.0	.10	.04	1.2	.00
15	.91	1.5	.46	.46	.77	.63	.43	.50	.10	.04	.05	.00
16	.78	1.4	.16	.31	.72	.60	.38	.50	20	2.4	.02	.00
17	.66	.05	1.0	.34	.66	.63	.31	.50	.10	.12	.02	.00
18	.76	.05	.89	.32	.64	.60	.37	.40	.10	.06	.02	.00
19	.64	1.3	.85	.33	.66	.59	.53	.40	.10	.04	.01	.00
20	.35	.90	.51	.30	.64	.64	.48	.40	.10	.04	.01	.00
21	.04	1.2	1.5	.30	.62	.61	.24	10	.05	.04	.03	.00
22	5.1	.04	2.1	.31	.65	.58	.51	3.0	.05	5.8	.02	.00
23	7.7	1.0	.27	.30	.64	.56	.54	.40	.05	.16	.01	.00
24	2.9	.07	.33	.30	.65	.54	.37	.40	15	.04	.00	.31
25	2.4	.10	.30	.31	.58	.51	.38	.40	.10	.04	1.1	.03
26	1.3	.83	.90	.27	.56	.52	.34	.40	.05	19	.03	.02
27	.33	.80	.20	.27	.51	.56	.19	.30	.05	7.6	.02	37
28	.02	.82	.92	.27	.48	.54	.20	8.0	.05	.16	.02	.03
29	3.7	8.0	.45	.27	---	.52	.41	.40	.05	.15	.02	.01
30	1.6	.99	.41	.27	---	.42	.60	.30	.05	.08	.01	.00
31	.84	---	.44	.29	---	.38	---	.30	---	.05	.01	---
TOTAL	43.03	63.68	47.58	13.70	55.89	27.81	21.69	82.70	75.70	37.92	3.35	48.62
MEAN	1.39	2.12	1.53	.44	2.00	.90	.72	2.67	2.52	1.22	.11	1.62
MAX	7.7	14	26	1.0	39	11	11	35	20	19	1.2	37
MIN	.02	.01	.13	.27	.28	.38	.19	.30	.05	.04	.00	.00
CAL YR 1984	TOTAL	1608.62		MEAN	4.40	MAX	115	MIN	.01			
WTR YR 1985	TOTAL	521.67		MEAN	1.43	MAX	39	MIN	.00			

STREAMS ON LONG ISLAND

69

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 above 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. --Estimated daily discharges: Aug. 14 to Sept. 16. 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. --31 years (1954-85), 2.30 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, 101 ft³/s Feb. 12, gage height, 2.40 ft, from rating curve extended above 130 ft³/s; no flow for all or part of many days during the year.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.00	.00	1.6	.00	9.3	.00	.00	.00
2	.00	.00	.00	.00	.00	.00	.14	.00	.36	.00	.00	.00
3	.00	.00	.00	.00	.00	.00	.00	15	.00	.00	.00	.00
4	.00	.00	.00	.00	.00	.00	.00	1.0	.00	.00	.00	.00
5	.00	.00	.00	.00	.00	.00	.00	.02	11	.00	.00	.00
6	.00	.00	11	.00	.00	.00	.00	.00	2.2	.00	.00	.00
7	.00	.00	.49	.00	.00	.00	.00	.00	.43	.00	.00	.00
8	.00	.00	.02	.00	.00	.00	.00	.00	.42	.00	.00	.00
9	.00	.00	.00	.00	.00	.00	.00	.26	.10	.00	.00	1.0
10	.00	.00	.00	.00	.00	.00	.00	1.0	.00	.00	.00	.00
11	.00	2.6	.00	.00	.00	.00	.00	.48	.00	.00	.00	.00
12	.00	9.5	.00	.00	18	.58	.00	.07	.07	.00	.00	.00
13	.00	.23	.00	.00	3.2	.14	.00	.00	.25	.00	.00	.00
14	.00	.00	.00	.00	.08	.00	.00	.00	.00	.00	.00	.00
15	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
16	.00	.00	.00	.00	.00	.00	.00	.00	5.0	.00	.00	.00
17	.00	.00	.00	.00	.00	.00	.00	.00	.96	.00	.00	.00
18	.00	.00	.00	.00	.00	.00	.00	.10	.67	.00	.00	.00
19	.00	.00	.00	.00	.00	.00	.00	.00	.12	.00	.00	.00
20	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
21	.00	.00	.00	.00	.00	.00	.00	3.0	.00	.00	.00	.00
22	.00	.00	.00	.00	.00	.00	.00	11	.00	.13	.00	.00
23	.63	.00	.00	.00	.00	.00	.00	1.8	.00	.00	.00	.00
24	.00	.00	.00	.00	.00	.00	.00	.24	4.7	.00	.00	.00
25	.00	.00	.00	.00	.00	.00	.00	.03	.88	.00	.00	.00
26	.00	.00	.00	.00	.00	.00	.00	.00	.02	5.1	.00	.00
27	.00	.00	.00	.00	.00	.00	.00	.00	.00	7.5	.00	11
28	.00	.00	.00	.00	.00	.00	.00	.63	.00	.05	.00	.23
29	.00	.71	.00	.00	---	.00	.00	1.5	.00	.00	.00	.00
30	.00	.05	.00	.00	---	.00	.00	.06	.00	.00	.00	.00
31	.00	---	.00	.00	---	.00	---	.00	---	.00	.00	---
TOTAL	.63	13.09	11.51	.00	21.28	.72	1.74	36.19	36.48	12.78	.00	12.23
MEAN	.02	.44	.37	.00	.76	.02	.06	1.17	1.22	.41	.00	.41
MAX	.63	9.5	11	.00	18	.58	1.6	15	11	7.5	.00	11
MIN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
CAL YR 1984 TOTAL		925.13		MEAN	2.53	MAX	131	MIN	.00			
WTR YR 1985 TOTAL		146.65		MEAN	.40	MAX	18	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 1985

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Measurements	
					Date	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.	--	1953-85	11-15-84 3-27-85	0.77 .52
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.	--	1953-85	3-27-85	.50
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.	--	1953-85	11-15-84 3-27-85	.92 .79
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.	--	1953-85	11-21-84 3- 1-85	3.6 2.9
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.	--	1953-85	11-21-84 3- 1-85 7- 2-85	.89 .68 2.26
01303742	Fresh Pond Outlet at Fort Salonga, N.Y.	Lat 40°55'26", long 73°17'43", Suffolk County, 200 ft down- stream from Fresh Pond outlet, 0.75 mi north of Fort Salonga.	--	1977-85	11-21-84 3-15-85 6- 3-85	.75 .84 1.3
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.	--	1972-85	11-30-84 3-14-85 6-14-85 7-30-85	1.3 .43 .47 .47
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 1979-85	11-30-84 3-14-85 6-14-85 7-30-85	4.0 2.2 2.2 1.9
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.	--	1972-85	11-30-84 3-14-85 6-14-85 7-30-85	5.5 3.0 2.5 3.1

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

71

Discharge measurements made at low-flow partial-record stations during water year 1985--Continued

						Measurements
Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	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 Brookside Drive, 0.75 mi southwest of Smithtown, and 2.0 mi upstream from gaging station near Smithtown.	--	1953-85	11-30-84	5.8
					3-14-85	4.3
					6-14-85	5.8
					7-30-85	4.4
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.	--	1972-85	11-30-84	18.
					3-14-85	19.
					6-14-85	22.
					7-30-85	18.
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.	--	1974-85	11-30-84	56.
					3-14-85	71.
					6-14-85	54.
					7-30-85	67.
01304051	Stony Brook at Stony Brook, N.Y.	Lat 40°54'53", long 73°08'52", Suffolk County, 100 ft down- stream from Harbor Road, at Stony Brook.	--	1977-85	12-14-84	2.5
					3- 1-85	2.2
					6- 3-85	1.5
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.	--	1977-85	12-14-84	1.7
					3- 1-85	1.3
					7- 3-85	1.5
01304065	Unnamed tributary to Setauket Harbor at East Setauket, N.Y.	Lat 40°56'35", long 73°06'08", Suffolk County, at culvert on State Highway 25A, at East Setauket.	--	1977-85	12-14-84	.23
					3- 1-85	.34
					7- 3-85	.10
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.	--	1977-85	12-14-84	.70
					3- 1-85	1.8
					7- 3-85	1.5
01304100	Wading River at Wading River, N.Y.	Lat 40°57'20", long 72°51'19", Suffolk County, at pond outlet, 0.25 mi west of Wading River.	--	1953-62	3-15-85	.93
				1964-83	8- 5-85	1.5
				1985		
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.	--	1977-85	12- 5-84	.48
					3-27-85	.55
					7- 3-85	.27
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	11-29-84	7.3
				1951-85	2- 5-85	5.0
					8- 5-85	2.4
01304510	Peconic River at Nugent Drive, at Riverhead, N.Y.	Lat 40°55'03", long 72°40'11", Suffolk County, at bridge on Nugent Drive, at Riverhead, and 1.4 mi downstream from gaging station at Riverhead.	--	1976-85	11-29-84	50.
					2- 5-85	64.
					8- 5-85	39.
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.	--	1952-85	11-28-84	4.7
					2- 5-85	3.7
					6-24-85	2.6
					7-19-85	5.4
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	11-28-84	1.5
				1973-85	2- 5-85	1.3
					7-19-85	1.0

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements made at low-flow partial-record stations during water year 1985--Continued

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	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 1971-85	11-29-84	0.52
					3-19-85	.66
					7-27-85	.18
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.	--	1958-85	11-29-84	1.7
					3-19-85	1.1
					7-23-85	.49
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 1973-85	11-29-84	.58
					3-19-85	.27
					7-23-85	.02
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 1980-85	11-29-84	3.0
					3-27-85	3.5
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.	--	1974-85	11-29-84	2.7
					2-28-85	2.4
					7-23-85	1.3
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 1974-85	11-28-84	1.5
					2-28-85	1.3
					7-23-85	1.3
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.	--	1959-85	11-28-84	2.1
					2-28-85	1.3
					7-23-85	.98
01304800	Beaverdam Creek at Westhampton Beach, N.Y.	Lat 40°49'23", long 72°39'42", Suffolk County, at culvert on Old Country Road, 100 ft north- west of State Highway 27A, and 1 mi northwest of Westhampton.	--	1953-85	11-28-84	1.4
					2-28-85	1.3
					8- 5-85	.88
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.	--	1974-85	11-28-84	.40
					2-28-85	.79
					6-24-85	.36
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 1973-85	11-28-84	1.5
					2-28-85	2.4
					6-24-85	1.6
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.	--	1953-85	11-28-84	9.6
					2-28-85	3.1
					6-24-85	6.7
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 1974-85	11-28-84	1.9
					2-28-85	3.5
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 1952-85	11-28-84	6.0
					2-28-85	5.9
					6-24-85	6.2

Discharge measurements made at low-flow partial-record stations during water year 1985--Continued

						Measurements
Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	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.	--	1947-85	12- 5-84 3-18-85 8- 2-85	3.6 1.5 1.4
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.	--	1973-85	12- 5-84 3-18-85 8- 2-85	13. 10. 10.
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.	--	1973-85	12- 5-84 3-18-85 8- 2-85	21. 16. 11.
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.	--	1973-85	12- 5-84 3-18-85 8- 2-85	91. 90. 72.
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 1971-85	11-20-84 6-24-85	2.3 5.1
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 1952-85	11-20-84 7-29-85	12. 14.
01306000 _{c/}	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‡ 1977-85	11-20-84 7-29-85	15. 22.
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.	--	1953-85	11-13-84 6-12-85	5.6 3.6
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 1981-85	6-14-85	1.8
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 1973-85	12-31-84 3-19-85 7-31-85	39. 34. 21.
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 1971-85	11-13-84 3-11-85 6-12-85	18. 12. 15.
01307000 _{c/}	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‡ 1970-85	11-20-84 12- 5-84 3-26-85	4.4 5.7 6.1

[‡] Operated as a continuous-record gaging station._{c/} Water-quality data included in this report.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements made at low-flow partial-record stations during water year 1985--Continued

						Measurements
Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	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	12- 5-84	5.5
				1967	3-26-85	5.9
				1973		
				1975-85		
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	12- 5-84	6.0
				1974-85	3-26-85	5.3
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.	--	1948-85	12- 5-84 3-26-85	.97 .78
01307500 ^{c/}	Penataquit Creek at Bay Shore, N.Y.	Lat 40°43'37", long 73°14'41", Suffolk County, at Union Avenue, at Bayshore.	--	1945-76†	11-20-84	6.1
				1977-85	3-27-85	6.3
					7-29-85	9.1
01307600	Cascade Lakes Outlet at Brightwaters, N.Y.	Lat 40°42'40", long 73°15'38", Suffolk County, at culvert on Montauk Highway, at Brightwaters.	--	1958-85	12- 5-84	1.6
					3-26-85	1.2
01307920	Sampawams Creek near Deer Park, N.Y.	Lat 40°44'27", long 73°18'24", Suffolk County, 30 ft down- stream from Bay Shore Road, and 2.5 mi upstream from gaging station at Babylon.	--	1965-66	11-20-84	4.3
				1973-85	3-18-85	3.0
01307950	Sampawams Creek near North Babylon, N.Y.	Lat 40°43'37", long 73°18'46", Suffolk County, 120 ft down- stream from Hunter Avenue, and 1.6 mi upstream from gaging station at Babylon.	--	1967	11-20-84	6.2
				1971-85	3-18-85	2.8
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	11-20-84	9.3
				1969-85	3-18-85	8.8
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.	--	1968-85	11-20-84 3-19-85	25. 24.
01309000 ^{c/}	Santapogue Creek at Lindenhurst, N.Y.	Lat 40°41'30", long 73°21'20", Suffolk County, at culvert on East Hoffman Avenue, 1 mi east of Long Island Railroad station at Lindenhurst.	--	1947-69†	12- 4-84	2.2
				1970-85	2-28-85	2.1
01309100	Santapogue Creek at State Highway 27A, Lindenhurst, N.Y.	Lat 40°41'02", long 73°21'06", Suffolk County, at culvert on State Highway 27A, 0.5 mi downstream from gaging station at Lindenhurst.	--	1953-69	12- 4-84	6.9
				1971-85	2-28-85	6.1

† Operated as a continuous-record gaging station.

^{c/} Water-quality data included in this report.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

75

Discharge measurements made at low-flow partial-record stations during water year 1985--Continued

						Measurements
Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	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 1952-85	12- 4-84	3.6
					2-28-85	3.0
01309250	Strong's 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 1971-85	12- 4-84	2.0
					2-28-85	1.2
					7-11-85	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.	--	1953-85	11-20-84	1.8
					2-28-85	1.6
					7-11-85	1.6
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 1971-85	11-19-84	4.2
					2-28-85	3.6
					7-11-85	3.2
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 1980-85	10-31-84	.20
					3-18-85	.16
					7-12-85	0
01309476	Massapequa Creek at Southern State Parkway, at South Farmingdale, N.Y.	Lat 40°42'21", long 73°27'05", Nassau County, 30 ft upstream from culvert at Southern State Parkway, 0.8 mi south of South Farmingdale, and 1.2 mi upstream from gaging station at Massapequa.	--	1962-65 1973-85	10-31-84	2.7
					3-18-85	2.0
					7-12-85	.26
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 1973-85	10-31-84	4.0
					3-18-85	3.2
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.	--	1953-85	11-19-84	1.2
					2-28-85	.89
					7-11-85	.68
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 1983-85	11-19-84	2.5
					2-27-85	2.6
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.	--	1973-85	11-14-84	.10
					2-27-85	0
					7-10-85	0
01309980	Bellmore Creek tributary at North Wantagh, N.Y.	Lat 40°41'20", long 73°30'37", Nassau County, at culvert on Beltagh Avenue, at North Wantagh, and 0.6 mi upstream from gaging station 01309990.	--	1973-85	11-14-84	1.2
					2-27-85	.66
					7-10-85	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.	--	1963-85	11-19-84	.30
					2-27-85	.27
					7-10-85	.29

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements made at low-flow partial-record stations during water year 1985--Continued

						Measurements
Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	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 1965-85	11-19-84	4.4
					2-27-85	4.8
					7-10-85	4.0
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.	--	1973-85	11-14-84	.26
					3-19-85	.01
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.	--	1973-85	11-14-84	3.1
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.	--	1973-85	11-14-84	4.54
01310600	Milburn Creek at Baldwin, N.Y.	Lat 40°39'04", long 73°36'13", Nassau County, 50 ft down- stream from bridge on State Highway 27A, 0.5 mi east of Baldwin.	--	1953-85	11-19-84	1.7
					2-27-85	1.6
					7-10-85	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.	--	1953-85	11-15-84 3-19-85	.93 0
01311200	Motts Creek at Valley Stream, N.Y.	Lat 40°39'01", long 73°42'45", Nassau County, 50 ft down- stream from bridge on Rosedale Road, 1 mile southwest of Valley Stream.	--	1954-85	11-14-84	0
					2-27-85	0
					7- 8-85	0
01311700	Valley Stream, below West Branch, at Valley Stream, N.Y.	Lat 40°39'47", long 73°42'21", Nassau County, 200 ft down- stream 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.	--	1953-85	11-14-84	0
					2-27-85	0
					7- 8-85	0

GROUND-WATER LEVELS

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 44 ft, screened 42 to 43 ft.
 INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
 DATUM.--Land-surface datum is 23.3 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling 0.01 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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	8.49	DEC 18	8.39	MAY 18	7.58						

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 24 ft, screened 21 to 24 ft.
 INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
 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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	3.93	DEC 28	4.21	MAY 21	3.65						

403737074011701. Local number, K 3275.1
 LOCATION.--Lat 40°37'37", long 74°01'15", 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.
 INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
 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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	4.36	DEC 28	3.56	MAY 21	4.24						

404135073584001. Local number, K 3276.1
 LOCATION.--Lat 40°41'34", long 73°58'41", 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.
 INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
 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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	6.14	DEC 18	6.03	MAY 21	5.30						

GROUND-WATER LEVELS

79

NASSAU COUNTY

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, screened 98 to 138 ft.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

DATUM.--Land-surface datum is 22.6 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.0 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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 22	13.23	APR 2	12.94	APR 17	11.65	SEP 19	10.15				

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 50 ft, screen assumed at bottom.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

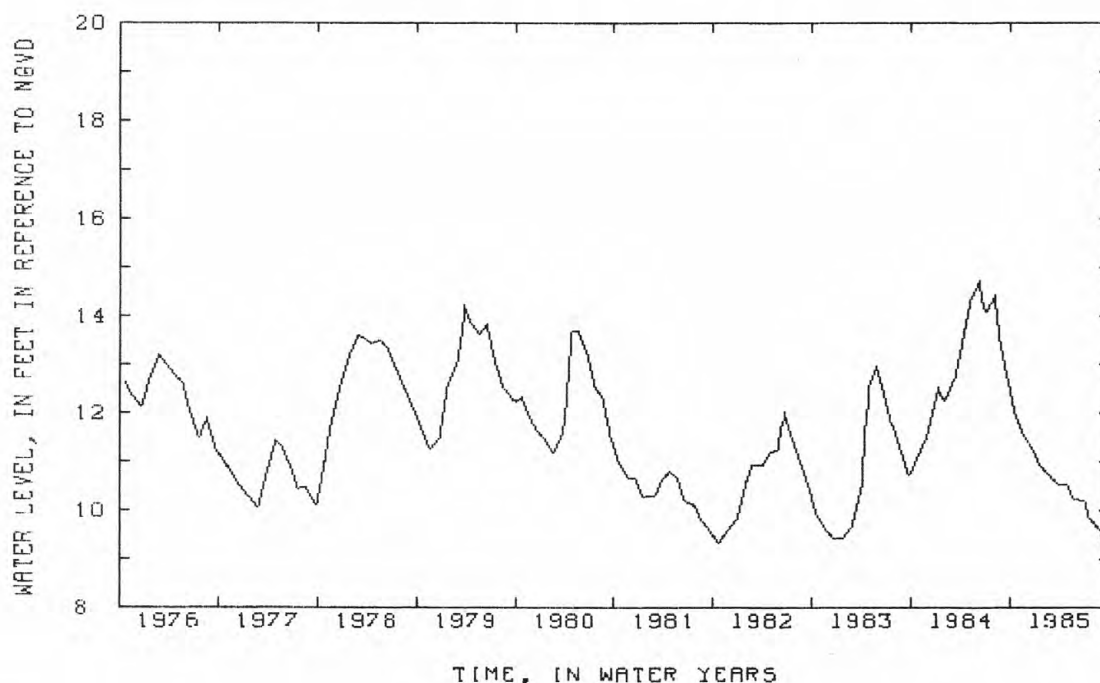
DATUM.--Land-surface datum is 26.2 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 5.24 ft below land-surface datum.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	11.96	DEC 24	11.23	MAR 25	10.52	MAY 23	10.24	JUL 23	9.85	SEP 30	8.93
NOV 26	11.49	JAN 25	10.91	MAY 5	10.50	JUL 5	10.18	AUG 29	9.57		

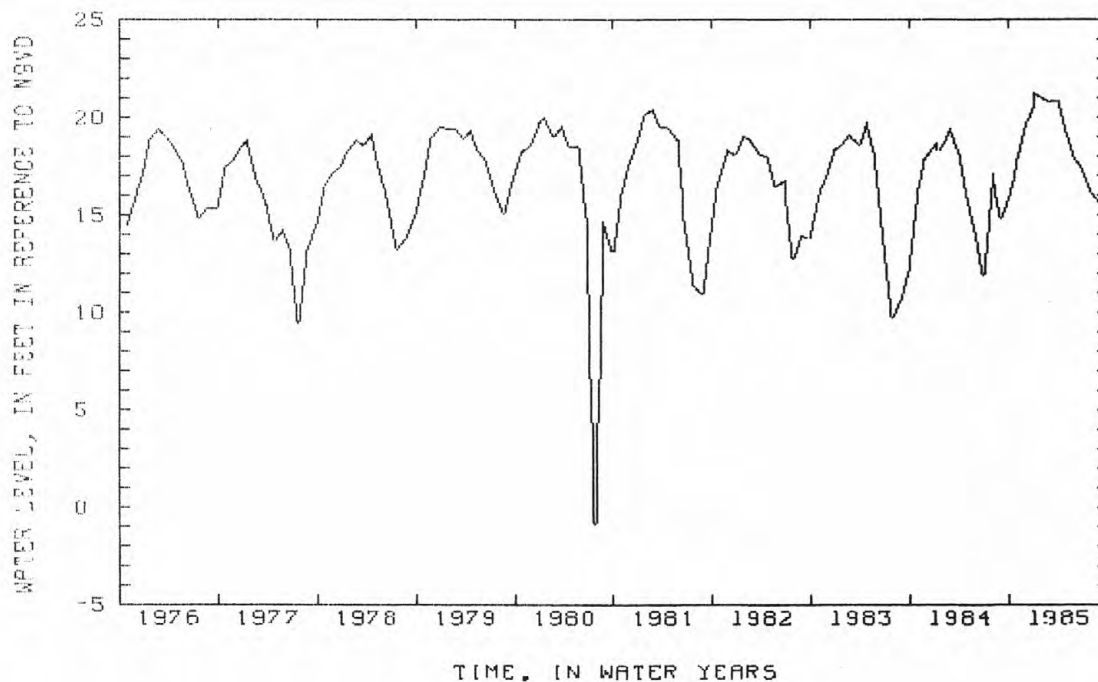


GROUND-WATER LEVELS
NASSAU COUNTY--Continued

404931073382101. Local number, N 110.1
 LOCATION.--Lat 40°49'31", long 73°38'21", Hydrologic Unit 02030201, at Scudders Lane and Motts Cove Road, Glenwood Landing. Owner: Jericho Water District.
 AQUIFER.--Lloyd (confined).
 WELL CHARACTERISTICS.--Drilled observation well, diameter 16 in, reported depth 519 ft, measured depth 324 ft, screened 445 to 515 ft.
 INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
 DATUM.--Land-surface datum is 56.2 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 4 inch nipple, 0.44 ft above land-surface datum.
 REMARKS.--Water level affected by nearby pumping.
 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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	16.18	DEC 31	20.70	FEB 28	20.75	APR 30	19.15	JUN 30	17.30	AUG 31	15.56
31	17.80	JAN 2	21.23	MAR 31	20.80	MAY 31	17.95	JUL 31	16.07	SEP 30	16.81
NOV 30	19.75										



GROUND-WATER LEVELS

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

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, 12.10 ft NGVD, Sept. 19, 1985.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 17	15.40	APR 2	15.12	APR 17	14.69	JUL 17	12.95	SEP 19	12.10		

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS and County personnel.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	36.89 G	APR 18	37.18	MAY 16	38.29 G	SEP 24	36.88				

G MEASUREMENT BY ANOTHER AGENCY

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS and County personnel.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	11.78 G	APR 2	11.10	APR 17	11.03	MAY 16	10.64 G	AUG 29	9.15	SEP 19	8.43
JAN 25	11.28										

G MEASUREMENT BY ANOTHER AGENCY

GROUND-WATER LEVELS

NASSAU COUNTY--Continued

404125073394802. Local number, N 1129.2

LOCATION.--Lat 40°41'25", long 73°39'48", Hydrologic Unit 02030202, at Hawthorne Street and Euclid Avenue, West Hempstead. Owner: Nassau County Department of Public Works.

AQUIFER--Upper Glacial (water table).

WELL CHARACTERISTICS.--Driven observation well, diameter 1.25 in, depth 44 ft, screened 41 to 44 ft.

INSTRUMENTATION.--Measurement with chalked tape by USGS and County personnel.

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). Well also sampled for water quality.

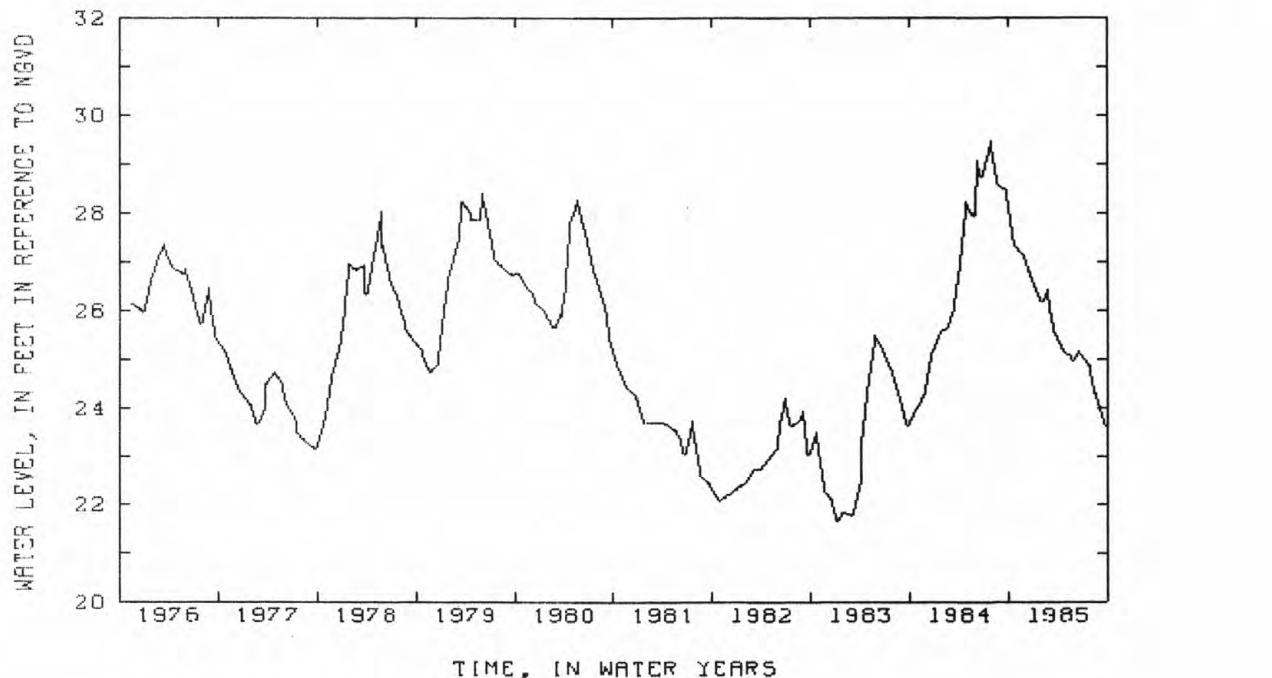
PERIOD OF RECORD.--October 1966 to current year. Unpublished records from October 1966 to September 1975 are available in files of Long Island Sub-district office.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	27.44	NOV 26	27.14	FEB 21	26.44	MAY 17	25.08 G	JUN 20	25.10	AUG 21	24.29
NOV 1	27.31 G	DEC 19	26.78	MAR 22	25.54	20	24.97	JUL 25	24.84	SEP 25	23.63
9	27.19	JAN 30	26.18	APR 22	25.15	JUN 12	25.18	AUG 20	24.27		

G MEASUREMENT BY ANOTHER AGENCY



404840073311902. Local number, N 1212.2

LOCATION.--Lat 40°48'40", long 73°31'19", Hydrologic Unit 02030202, at Jericho Turnpike and Eileen Way, Locust Grove. Owner: Nassau County Department of Public Works.

AQUIFER--Magothy (water table).

WELL CHARACTERISTICS.--Driven observation well, diameter 4 in, depth 185 ft, screened 179 to 185 ft.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 18	93.07	APR 2	92.64	APR 17	91.06						

GROUND-WATER LEVELS
NASSAU COUNTY--Continued

83

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.--Magothy (water table).

WELL CHARACTERISTICS.--Driven observation well, diameter 1.25 in, depth 28 ft, screened 25 to 28 ft.

INSTRUMENTATION.--Measurement with chalked tape by USGS and County personnel.

DATUM.--Land-surface datum is 64 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.92 ft below land-surface datum.

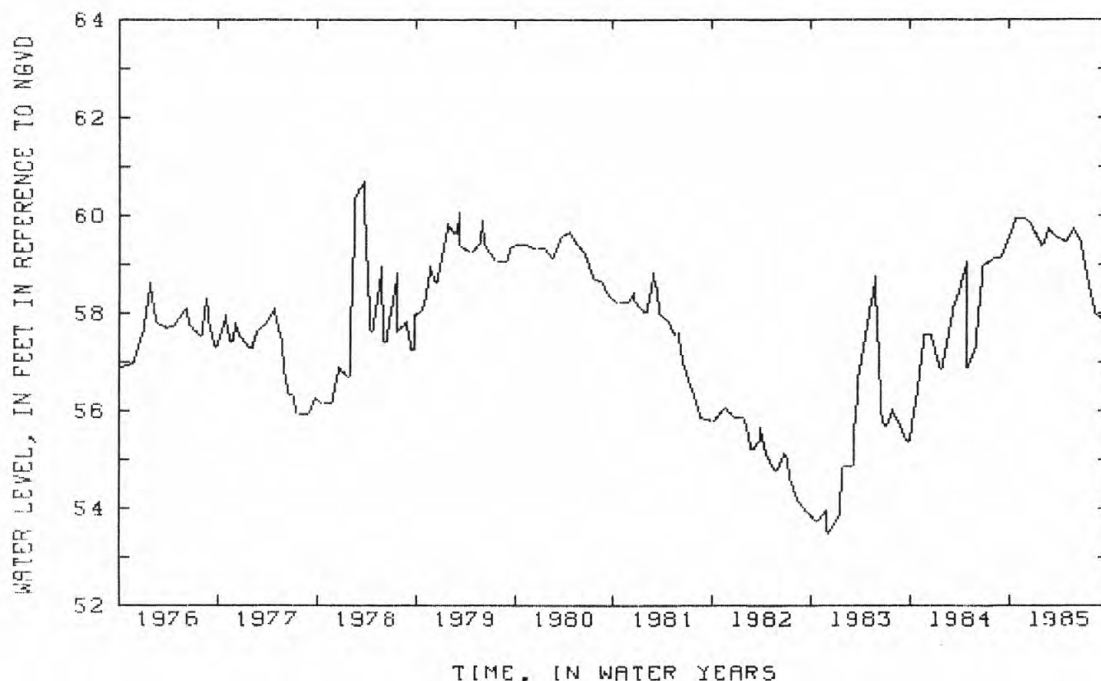
REMARKS.--Replaced well N 1243.4 in September 1975 at same location, records from November 1939 to September 1975 (unpublished) and are available in files of Long Island Sub-district office.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	59.93	DEC 19	59.84	FEB 21	59.73	APR 22	59.48	JUN 20	59.48	AUG 21	57.98
NOV 26	59.92	JAN 30	59.39	MAR 22	59.58	MAY 20	59.74	JUL 25	58.46	SEP 25	57.83



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.

INSTRUMENTATION.--Measurement with chalked tape by USGS and County personnel.

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, 86.38 ft NGVD, Dec. 18, 1984; lowest measured, 68.29 ft NGVD, Apr. 25, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 15	86.20 G	DEC 18	86.38	APR 8	85.34 G	APR 17	84.99	SEP 19	82.03		

G MEASUREMENT BY ANOTHER AGENCY

NASSAU COUNTY--Continued

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.

INSTRUMENTATION. --Measurement with chalked tape by USGS and County personnel.

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.

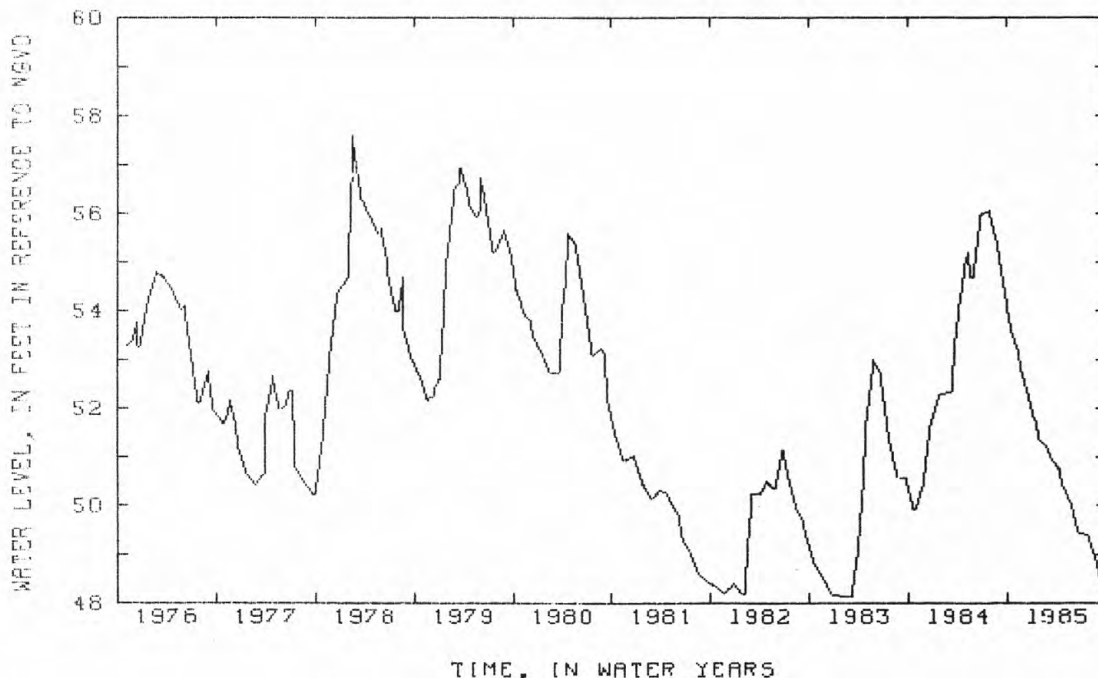
PERIOD OF RECORD. --June 1961 to current year.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	53.53	DEC 19	52.30	MAR 22	50.91	APR 22	50.38	JUN 20	49.43	AUG 21	49.01
NOV 13	53.19 G	JAN 30	51.35	APR 10	50.75 G	MAY 20	50.02	JUL 25	49.38	SEP 25	48.22
26	52.74	FEB 21	51.23								

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.

INSTRUMENTATION. --Measurement with chalked tape by USGS and County personnel.

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 location, 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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	51.84	DEC 19	50.61	MAR 22	49.34	APR 22	48.81	JUN 20	48.68	AUG 21	47.29
NOV 13	51.95 G	JAN 30	49.89	APR 10	49.20 G	MAY 20	48.42	JUL 25	48.87	SEP 25	47.04
26	50.89	FEB 21	49.74								

G MEASUREMENT BY ANOTHER AGENCY

GROUND-WATER LEVELS

85

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

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.

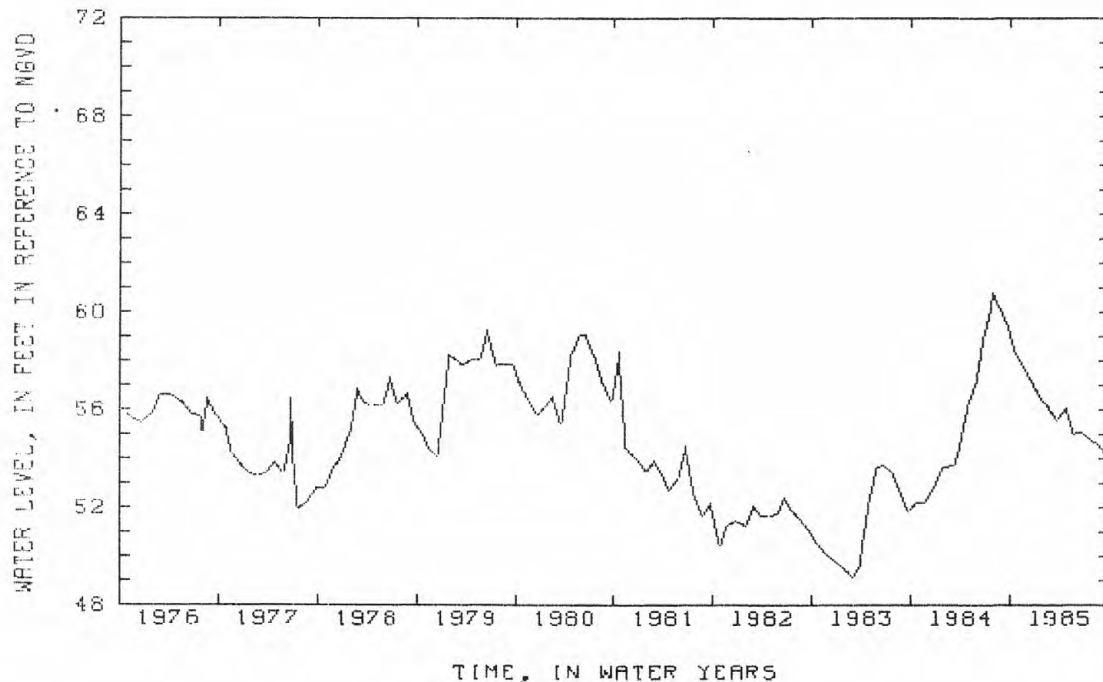
REMARKS.--Replaced well N 1614.3 in April 1966 at same location, unpublished records from December 1933 to September 1975 are available in files of Long Island Sub-district office.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	58.34	DEC 19	57.19	FEB 21	56.09	APR 22	56.09	JUN 20	55.09	AUG 21	54.62
NOV 26	57.68	JAN 30	56.34	MAR 22	55.59	MAY 20	54.97	JUL 25	54.76	SEP 25	54.14



GROUND-WATER LEVELS
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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

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.

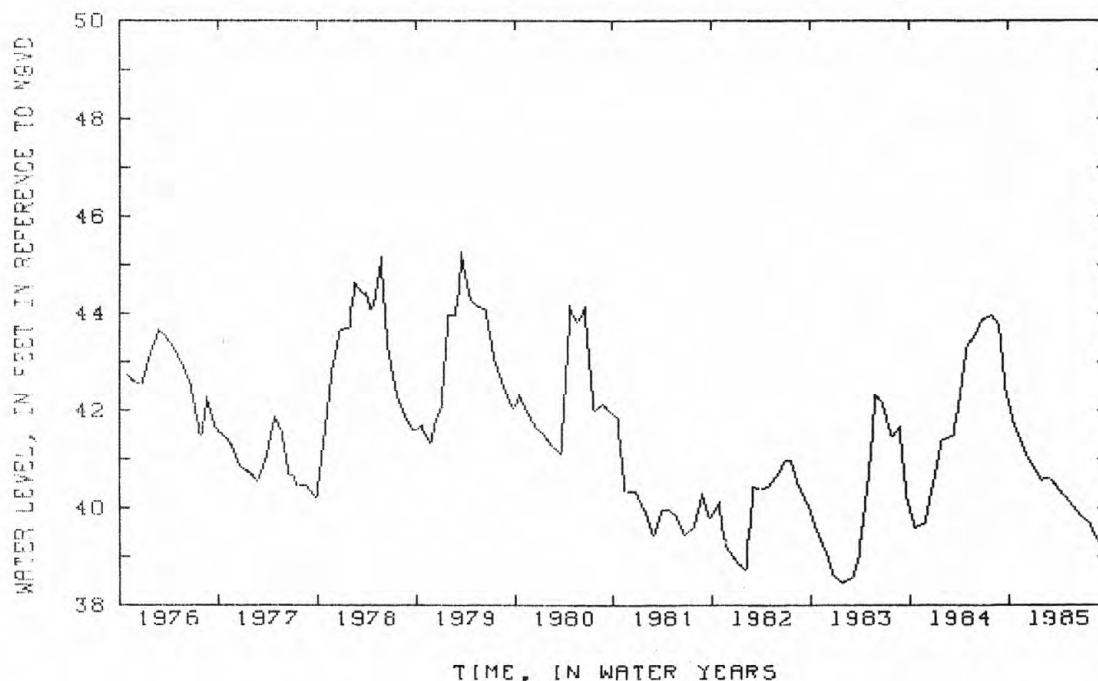
REMARKS.--Replaced well N 1615.1 in August 1966 at same location, which has a period of record from March 1913 to August 1966 (unpublished).

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	41.75	JAN 30	40.57	FEB 26	40.60	APR 22	40.22	JUN 20	39.84	AUG 21	39.41
NOV 26	41.22	FEB 21	40.59	MAR 22	40.47	MAY 20	40.02	JUL 25	39.67	SEP 25	39.07
DEC 19	40.97										



GROUND-WATER LEVELS

87

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

DATUM.--Land-surface datum is 122.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.42 ft below land-surface datum.

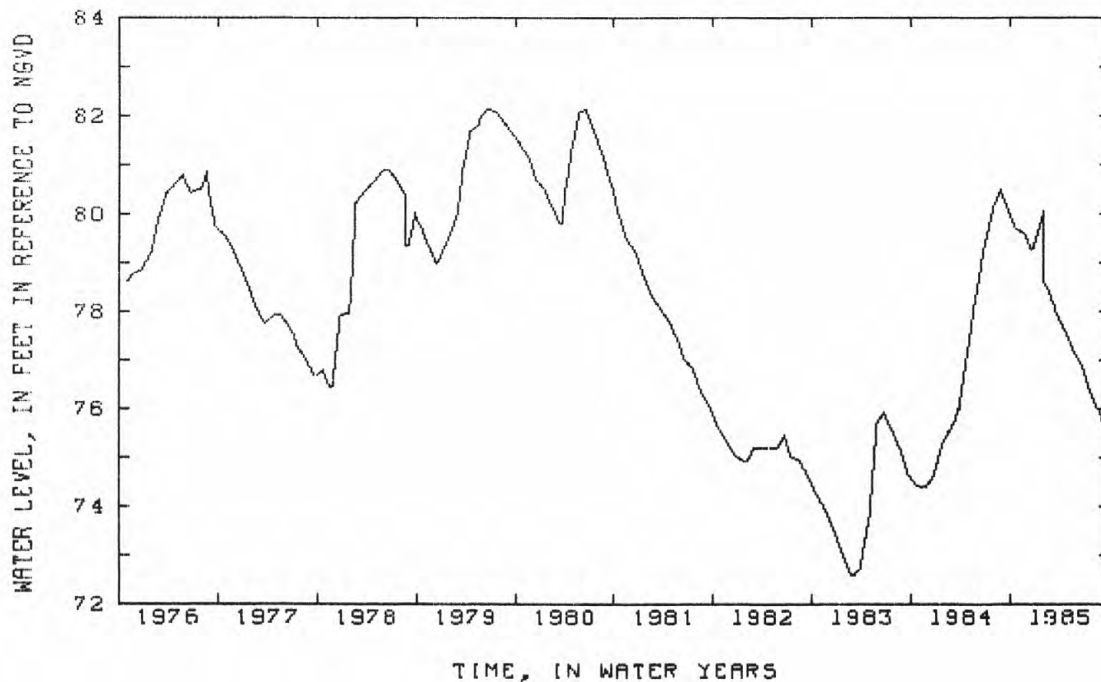
REMARKS.--Replaced well N 1616.1 in October 1965 at same location, it was previously screened in Upper Glacial Aquifer, which has a period of record from March 1913 to October 1965.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	79.70	JAN 30	80.08	MAR 22	77.96	MAY 20	77.16	JUL 25	76.30	AUG 27	75.96
NOV 26	79.58	31	78.64	APR 22	77.58	JUN 20	76.91	AUG 21	76.01	SEP 25	75.49
DEC 19	79.28	FEB 21	78.43								



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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 18	73.06	APR 2	72.17	APR 17	71.90						

GROUND-WATER LEVELS
NASSAU COUNTY--Continued

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

DATUM.--Land-surface datum is 6.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Base of recorder shelf, 3.82 ft above land-surface datum.

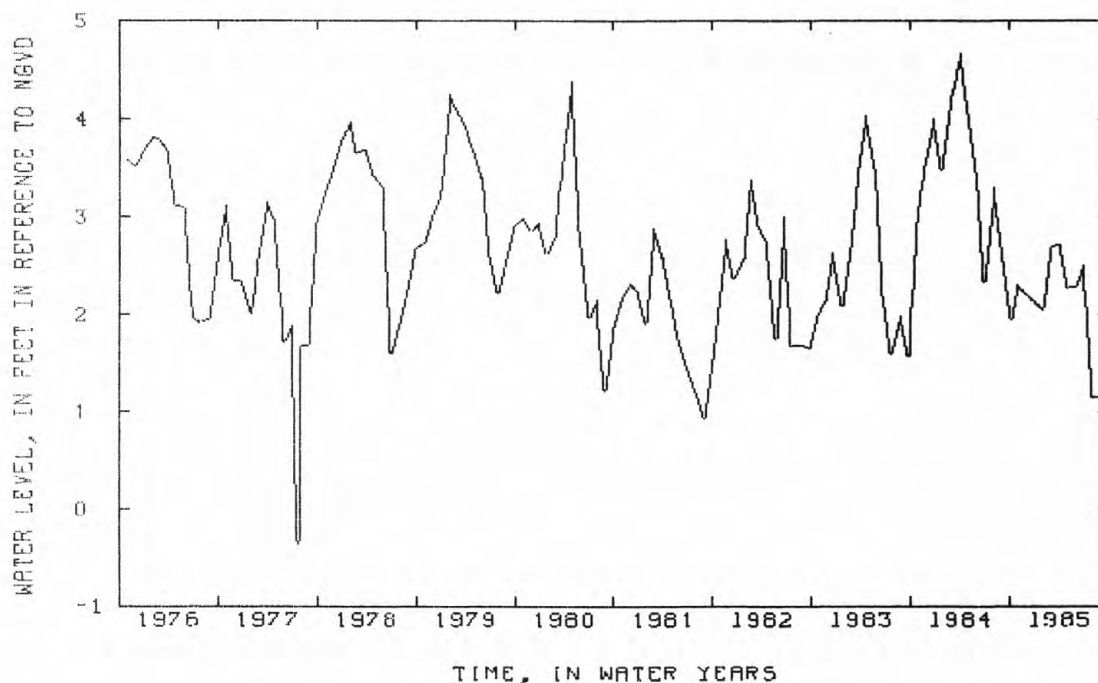
REMARKS.--Water level affected by nearby pumping.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	1.95	JAN 31	2.05	MAR 31	2.72	MAY 31	2.28	AUG 1	1.14	SEP 30	1.17
31	2.30	FEB 28	2.68	APR 30	2.26	JUN 30	2.50				



404619073270601. 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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

DATUM.--Land-surface datum is 183.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.28 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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 18	33.47	JAN 3	33.64	APR 2	34.05	APR 17	33.62				

GROUND-WATER LEVELS
NASSAU COUNTY--Continued

89

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 519 to 530 ft.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

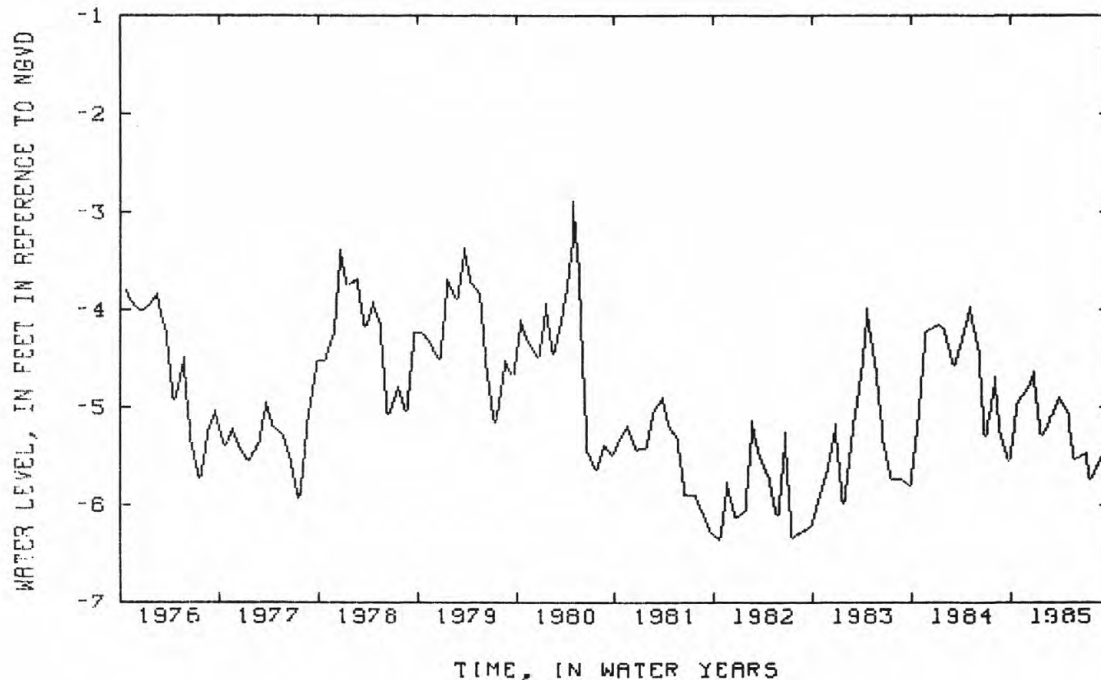
DATUM.--Land-surface datum is 7.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.37 ft above land-surface datum.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	-4.96	DEC 24	-4.64	MAR 25	-4.90	MAY 23	-5.54	JUL 23	-5.74	SEP 30	-5.69
NOV 26	-4.81	JAN 25	-5.28	MAY 5	-5.07	JUL 5	-5.46	AUG 29	-5.48		



GROUND-WATER LEVELS

NASSAU COUNTY--Continued

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

DATUM.--Land-surface datum is 7.7 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.54 ft above land-surface datum.

REMARKS.--Water level affected by nearby pumping.

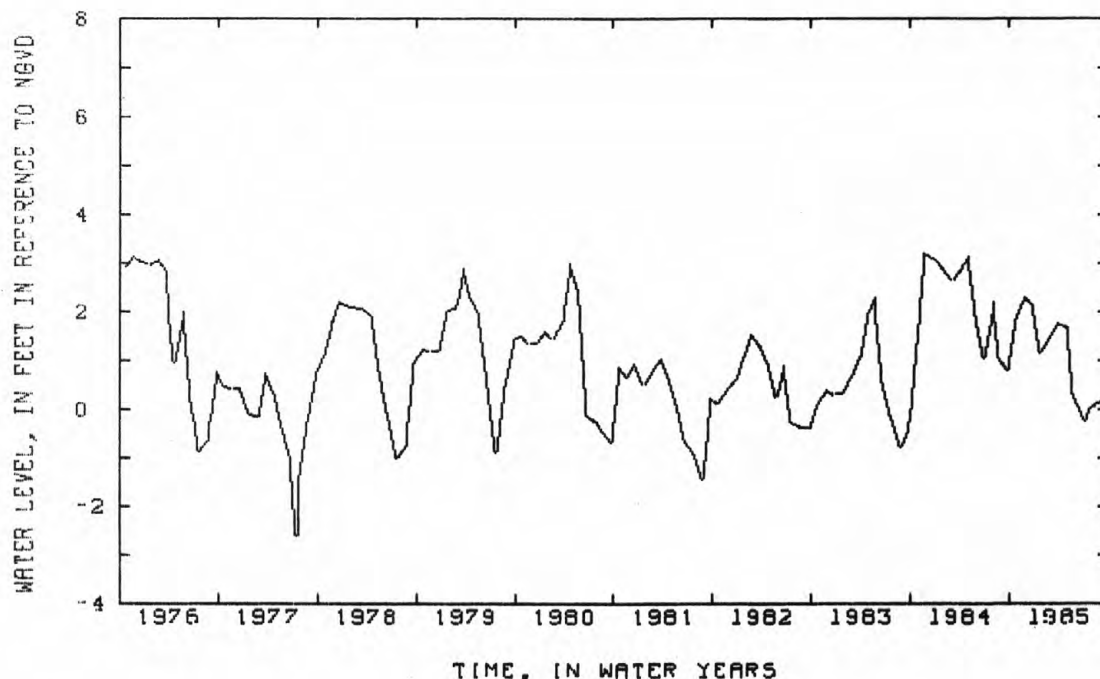
Water level affected by nearby pumping.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	1.84	DEC 24	2.12	MAR 25	1.78	MAY 23	0.31	JUL 23	-0.01	SEP 30	0.01
NOV 26	2.31	JAN 25	1.18	MAY 5	1.67	JUL 5	-0.23	AUG 29	0.17		



GROUND-WATER LEVELS
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.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 11.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 1.04 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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	-4.07	DEC 24	-4.10	MAR 25	-5.30	MAY 23	-5.45	JUL 23	-5.47	SEP 30	-5.60
NOV 26	-4.51	JAN 25	-4.65	MAY 5	-5.13	JUL 5	-5.09	AUG 29	-5.74		

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.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 6.0 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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	2.03	DEC 24	2.33	MAR 25	1.46	MAY 23	0.82	JUL 23	0.43	SEP 30	0.57
NOV 26	1.97	JAN 25	1.51	MAY 5	1.26	JUL 5	0.88	AUG 29	0.50		

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.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 6.6 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 2.58 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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	5.14	DEC 24	5.25	MAR 25	4.65	MAY 23	4.46	JUL 23	4.10	SEP 30	4.15
NOV 26	4.94	JAN 25	5.08	MAY 5	4.94	JUL 5	4.23	AUG 29	3.86		

GROUND-WATER LEVELS
NASSAU COUNTY--Continued

93

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

DATUM.--Land-surface datum is 14.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of nipple, 3.63 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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	8.71	DEC 24	9.69	JAN 28	14.11	MAY 5	12.53	JUL 9	10.80	AUG 27	11.34
NOV 26	10.82	JAN 5	11.60	MAR 25	14.43	23	7.30	23	10.16	SEP 24	11.43

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

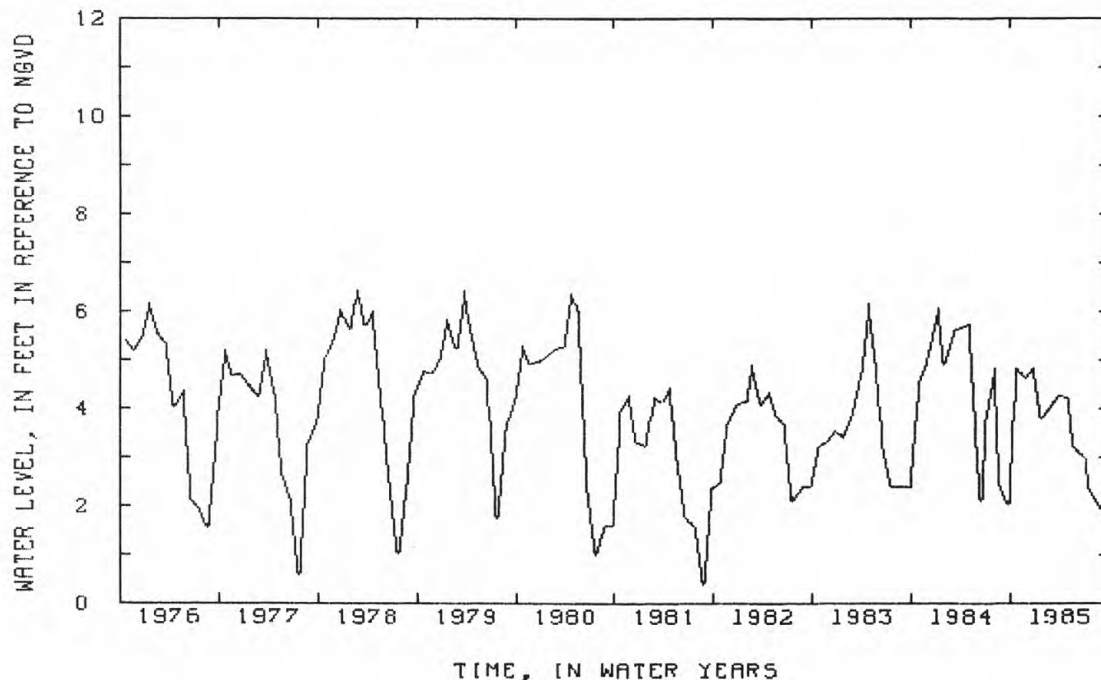
DATUM.--Land-surface datum is 7 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 2.78 ft above land-surface datum.

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.

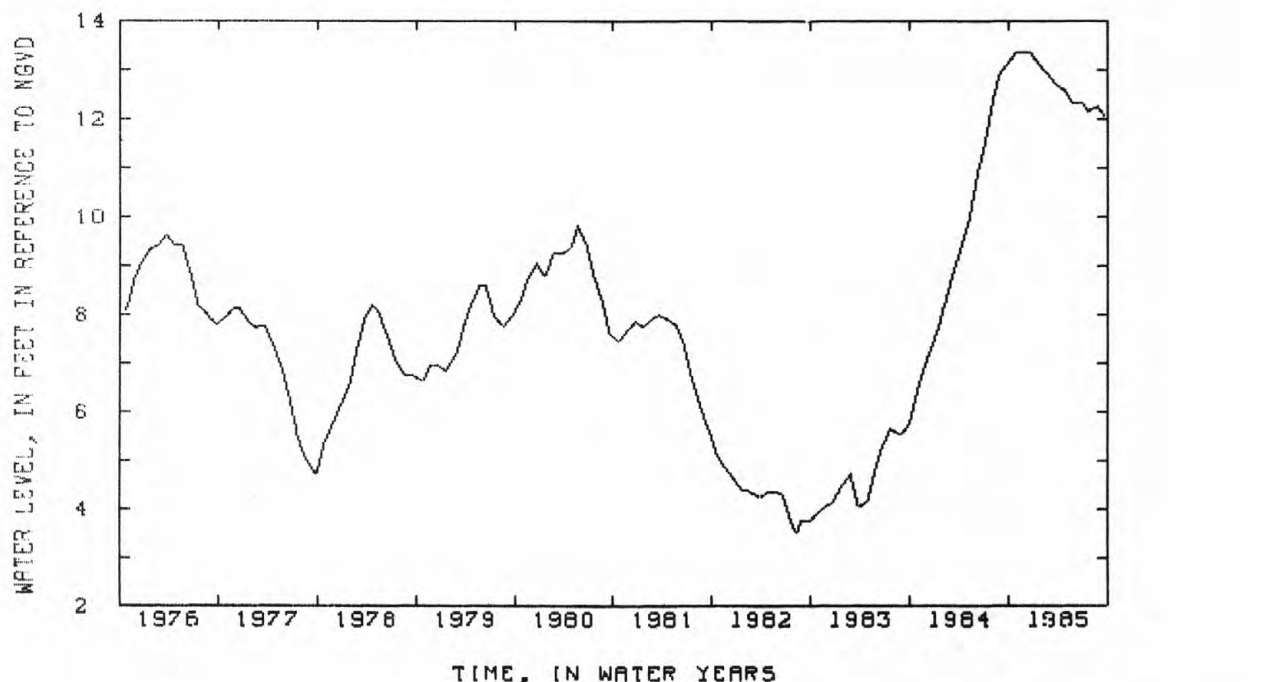
WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	4.82	DEC 24	4.85	MAR 25	4.26	MAY 23	3.20	JUL 23	2.33	SEP 30	2.69
NOV 26	4.65	JAN 25	3.80	MAY 5	4.20	JUL 5	2.97	AUG 29	1.95		



WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	13.35	DEC 24	13.33	MAR 25	12.70	MAY 23	12.35	JUL 23	12.17	SEP 24	12.05
NOV 26	13.36	JAN 25	13.11	APR 24	12.60	JUL 5	12.31	AUG 27	12.26		



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.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
DATUM.--Land-surface datum is 11.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of
casing, 2.87 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 1984 TO SEPTEMBER 1985

[illegible]

GROUND-WATER LEVELS

95

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

DATUM.--Land-surface datum is 6.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.95 ft above land-surface datum.

REMARKS.--Water level affected by nearby pumping.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 1	-0.62	DEC 5	0.17	FEB 8	0.70						

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

DATUM.--Land-surface datum is 5.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.83 ft above land-surface datum.

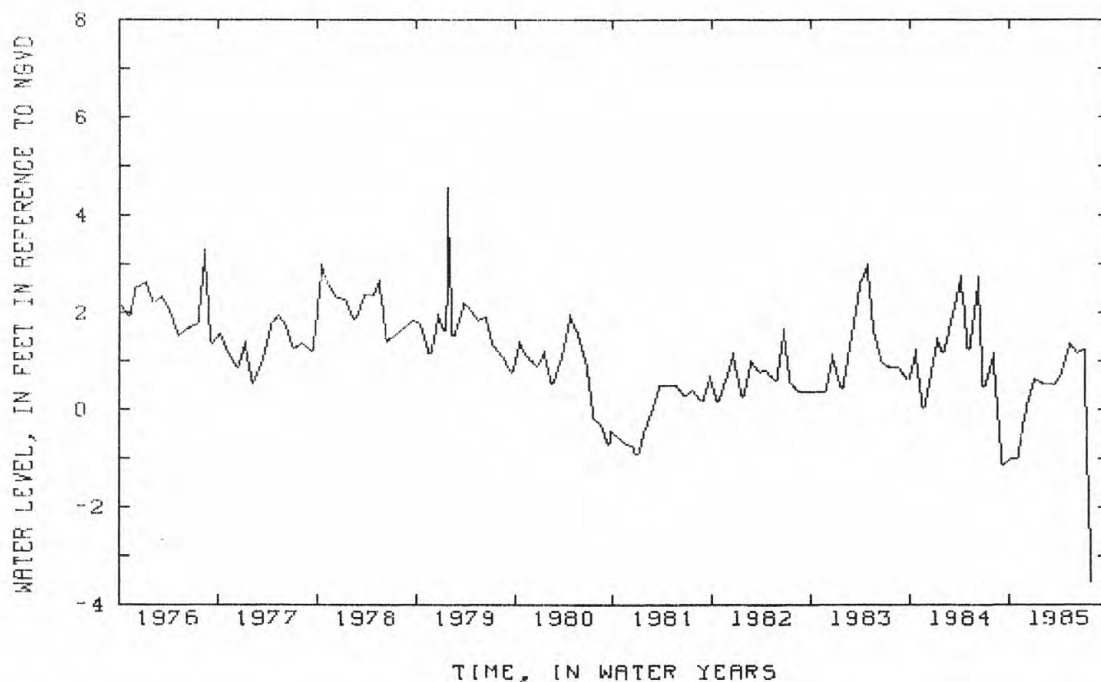
REMARKS.--Water level affected by nearby pumping.

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, -3.57 ft NGVD, Aug. 5, 1985.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	-0.99	DEC 5	0.13	FEB 8	0.53	APR 3	0.69	JUN 4	1.18	AUG 5	-3.57
NOV 1	-1.00	JAN 3	0.64	MAR 11	0.51	MAY 10	1.37	JUL 3	1.24		



GROUND-WATER LEVELS
NASSAU COUNTY--Continued

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.
INSTRUMENTATION. --Measurement with chalked tape by USGS personnel.
DATUM. --Land-surface datum is 6.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.66 ft above land-surface datum.
REMARKS. --Water level affected by nearby pumping.
PERIOD OF RECORD. --March 1966 to current year. Unpublished records from March 1966 to September 1975 are available in files of Long Island Sub-district office.
EXTREMES FOR PERIOD OF RECORD. --Highest water level measured, 3.94 ft NGVD, Jan. 25, 1979; lowest measured, -0.88 ft NGVD, Dec. 22, 1980.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 1	-0.32	DEC 5	0.30	FEB 8	0.86						

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.
INSTRUMENTATION. --Measurement with chalked tape by USGS personnel.
DATUM. --Land-surface datum is 6.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 5.56 ft above land-surface datum.
REMARKS. --Water level affected by nearby pumping.
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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 1	2.22	DEC 5	2.31	FEB 8	2.38						

403804073395201. Local number, N 8022.1
LOCATION. --Lat 40°38'04", long 73°39'52", Hydrologic Unit 02030202, at Bay Park Sewage Treatment Plant, Bay Park.
Owner: Nassau County Department of Public Works.
AQUIFER. --Magothy (confined).
WELL CHARACTERISTICS. --Drilled observation well, diameter 6 in, depth 490 ft, screened 420 to 480 ft.
INSTRUMENTATION. --Measurement with chalked tape by USGS personnel.
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.
REMARKS. --Water level affected by nearby pumping.
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 ft NGVD, July 18, 19, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 1	2.46	DEC 5	2.38	FEB 8	2.70						

GROUND-WATER LEVELS

97

NASSAU COUNTY--Continued

404947073450301. Local number, N 8046.1

LOCATION.--Lat 40°49'47", long 73°45'03", Hydrologic Unit 02030201, at Pond and Kings Point Roads, Kings Point.

Owner: Nassau County Department of Public Works.

AQUIFER.--Port Washington (confined). Previously reported as Jameco Aquifer.

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in, depth 189 ft, screened 184 to 189 ft.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

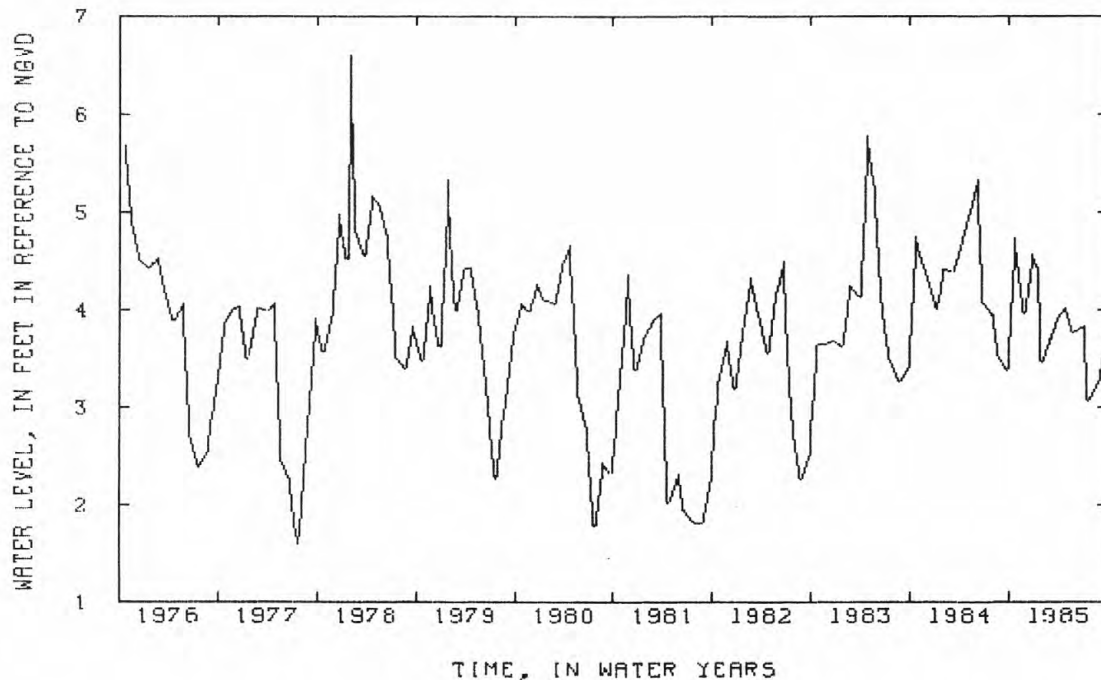
DATUM.--Land-surface datum is 9.3 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.36 ft above land-surface datum.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	4.74	DEC 24	4.57	JAN 28	3.47	APR 24	4.02	JUL 5	3.84	AUG 27	3.26
NOV 26	3.97	JAN 14	4.44	MAR 25	3.92	MAY 23	3.77	JUL 22	3.07	SEP 24	3.75



GROUND-WATER LEVELS
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.

INSTRUMENTATION.--Measurement with chalked tape by USGS and County personnel.

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.

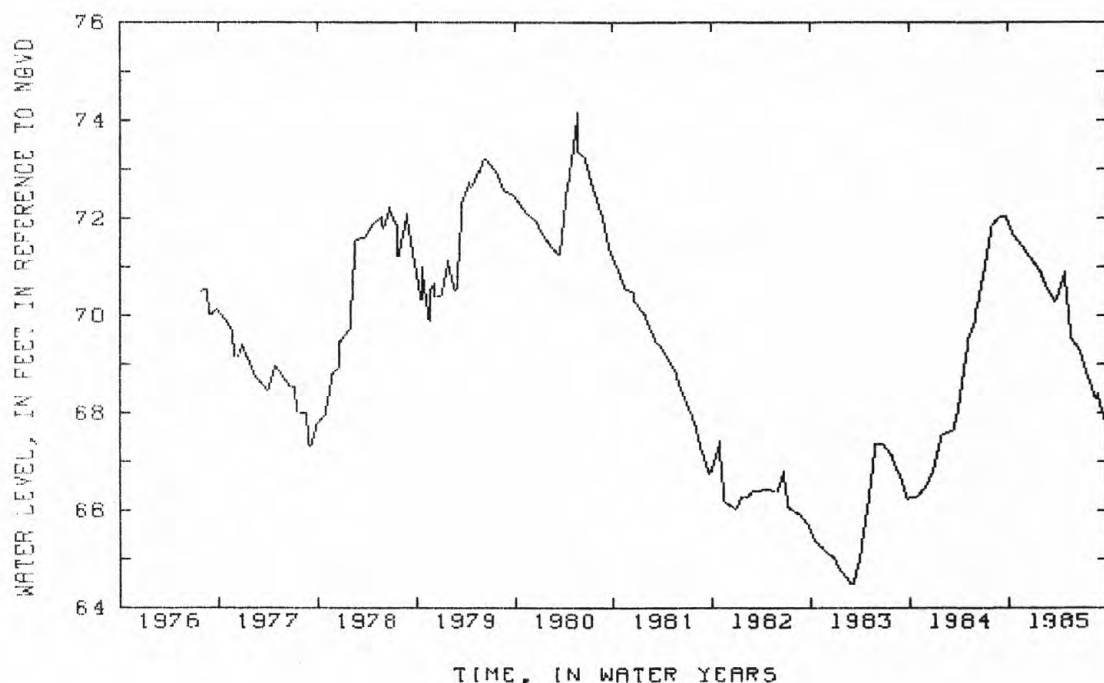
REMARKS.--Prior to April 1967, well was screened in Upper Glacial Aquifer. Well N 1258.1 was replaced by well N 8269.1 in April 1967, which was replaced by well N 8269.2 in June 1976.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	71.65	JAN 30	70.88	MAR 22	70.30	MAY 20	69.50	JUL 25	68.67	AUG 22	68.40
NOV 26	71.40	FEB 21	70.57	APR 22	70.90	JUN 20	69.28	AUG 21	68.31	SEP 25	67.85
DEC 19	71.19										



99

404742073410301. Local number, N 8309. 1

AQUIFER. --Magothy (water table).

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in, depth 199 ft, screened 194 to 199 ft.

INSTRUMENTATION.--Measurement with chalked tape by USGS and County personnel.

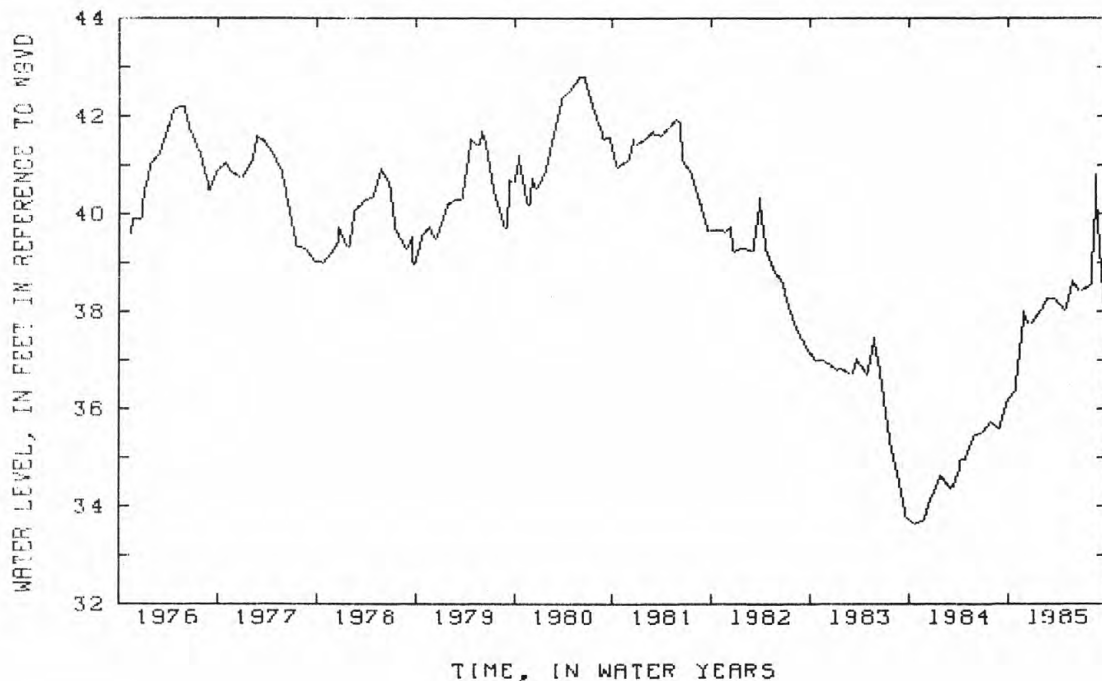
DATUM.--Land-surface datum is 143.2 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.15 ft below land-surface datum.

REMARKS. --Replaced well N 121.2 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.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	36.35	DEC 19	37.75	FEB 21	38.27	APR 22	38.05	JUN 20	38.40	AUG 21	40.80
NOV 26	38.01	JAN 30	38.05	MAR 22	38.28	MAY 20	38.65	JUL 25	38.55	SEP 25	38.11



404404073325601. Local number, N 8959.1

AQUIFER. --Upper Glacial (water table).

WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 49 ft, screened 44 to 49 ft.

INSTRUMENTATION. --Measurement with chalked tape by USGS personnel.

DATUM.--Land-surface datum is 100 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of reducer, 3.17 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.

[illegible]

GROUND-WATER LEVELS
NASSAU COUNTY--Continued

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS and County personnel.

DATUM.--Land-surface datum is 60 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.37 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.

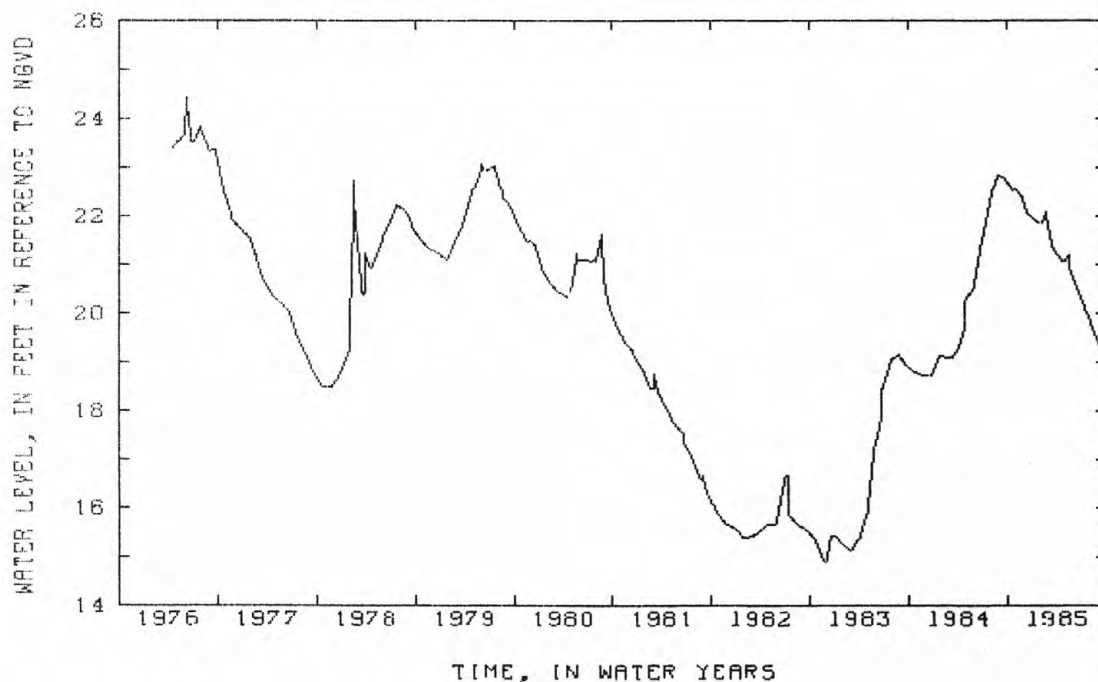
PERIOD OF RECORD.--February 1976 to current year.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	22.53	DEC 19	22.03	MAR 22	21.35	MAY 16	21.19 G	JUN 20	20.48	AUG 21	19.65
30	22.57 G	JAN 30	21.84	APR 22	21.03	20	20.88	JUL 25	19.96	SEP 25	19.15
NOV 26	22.37	FEB 21	22.11								

G MEASUREMENT BY ANOTHER AGENCY



GROUND-WATER LEVELS

101

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS and County personnel.

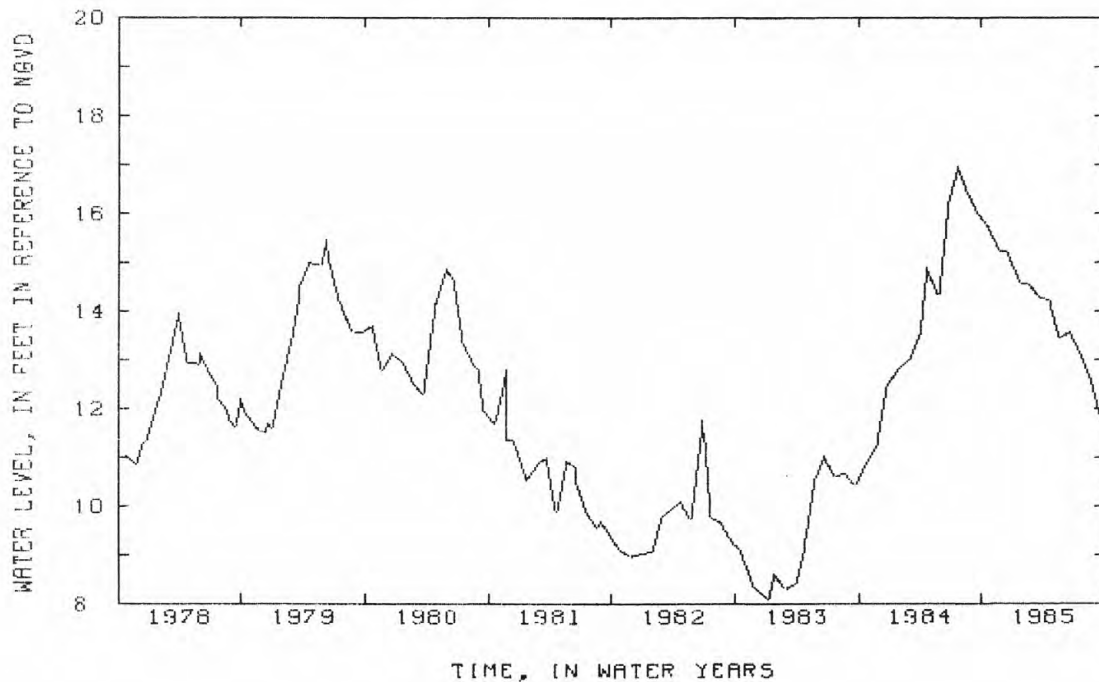
DATUM.--Land-surface datum is 42.7 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing,
0.64 ft below land-surface datum.REMARKS.--Replaced well N 1109.2 in October 1977 at same location, records from September 1936 to October 1977 are
available in files of Long Island Sub-district 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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	15.69	DEC 19	15.21	FEB 21	14.54	APR 22	14.20	JUN 20	13.56	AUG 21	12.61
NOV 26	15.22	JAN 30	14.56	MAR 22	14.26	MAY 20	13.42	JUL 25	13.11	SEP 25	11.74



GROUND-WATER LEVELS
NASSAU COUNTY--Continued

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS and County personnel.

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 from May 1913 to October 1982 are available in files of Long Island Sub-district office.

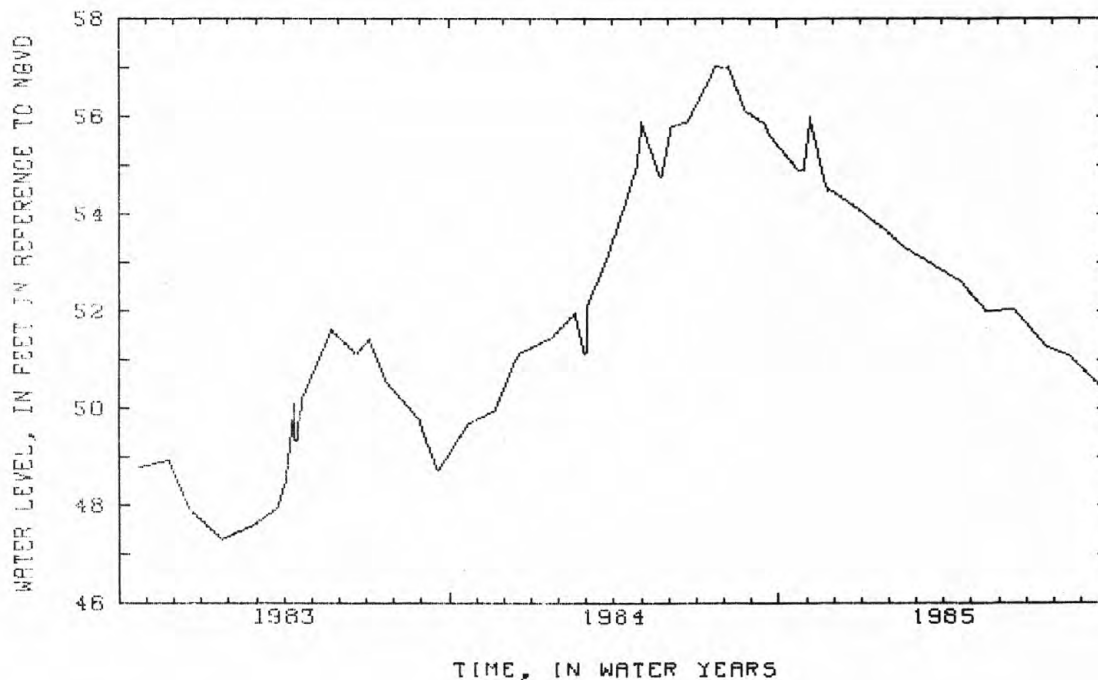
PERIOD OF RECORD.--October 1982 to current year.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	54.89	NOV 26	54.48	JAN 30	53.67	APR 22	52.60	JUN 20	52.02	AUG 21	51.07
29	54.87	27	54.50	FEB 21	53.30	MAY 20	51.98	JUL 25	51.27	SEP 25	50.45
NOV 6	56.01 G	DEC 19	54.22	MAR 22	52.93						

G MEASUREMENT BY ANOTHER AGENCY



QUEENS COUNTY

404451073475003. Local number, G 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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

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, 2.14 ft NGVD, JAN. 4, 1985; lowest measured, -27.40 ft NGVD, Sept. 14, 1976.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	-13.93	DEC 17	1.44	JAN 4	2.14	APR 3	1.27	MAY 15	-0.27	JUL 30	-7.28

404418073434101. Local number, G 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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

DATUM.--Land-surface datum is 113.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.05 ft above land-surface datum.

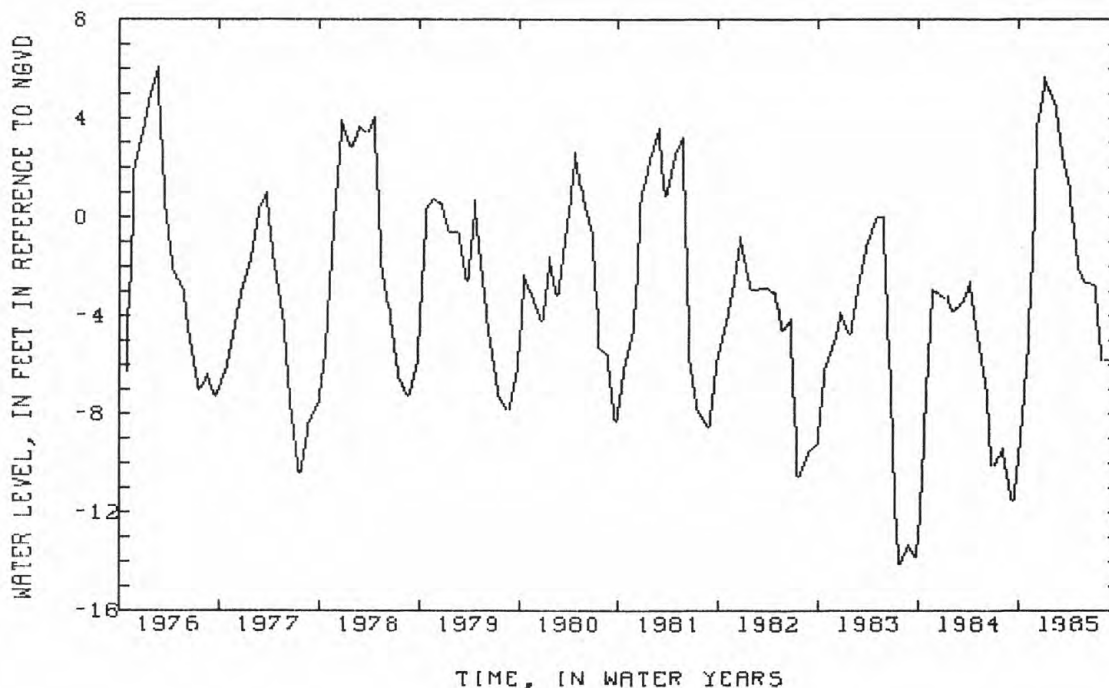
REMARKS.--Water level affected by nearby pumping.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	-8.75	JAN 2	5.49	FEB 11	4.53	APR 3	1.24	MAY 31	-2.69	AUG 5	-5.88
NOV 1	-5.61	JAN 3	5.69	MAR 11	2.27	MAY 10	-2.22	JUL 3	-2.79	SEP 4	-5.82
DEC 5	3.80										



GROUND-WATER LEVELS

QUEENS COUNTY--Continued

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

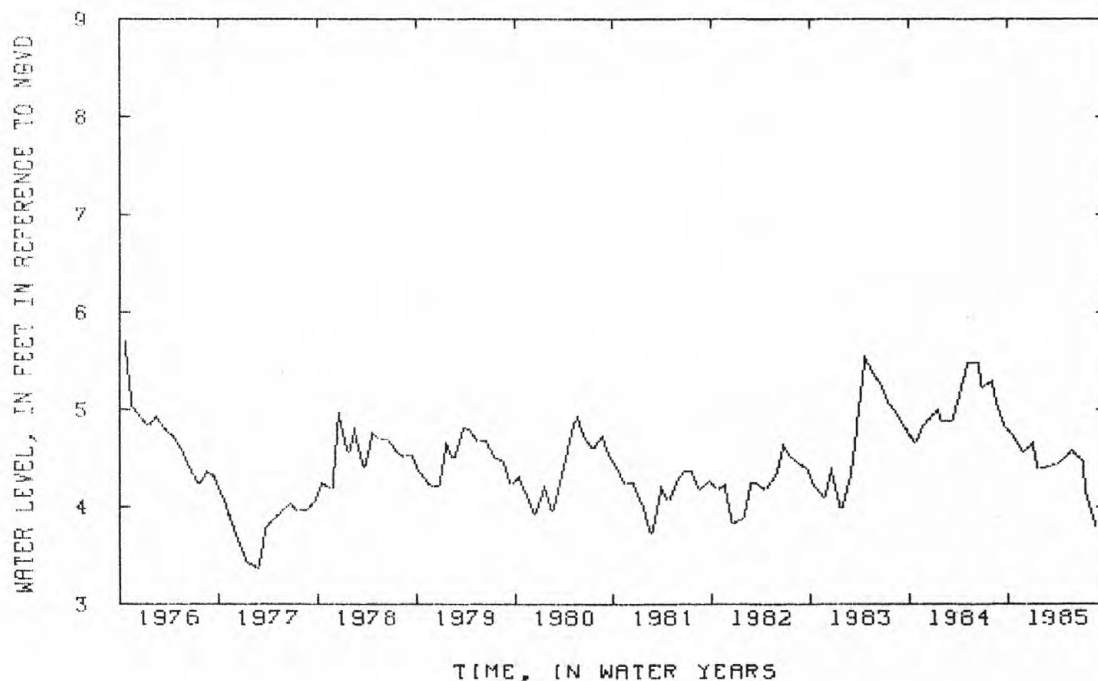
DATUM.--Land-surface datum is 50.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 1.26 ft below land-surface datum.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	4.74	JAN 4	4.66	MAR 25	4.44	MAY 23	4.59	JUL 22	4.11	AUG 27	3.78
NOV 26	4.56	25	4.39	APR 24	4.50	JUL 5	4.47				



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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	3.70	DEC 17	3.43	APR 3	3.28	MAY 15	3.19				

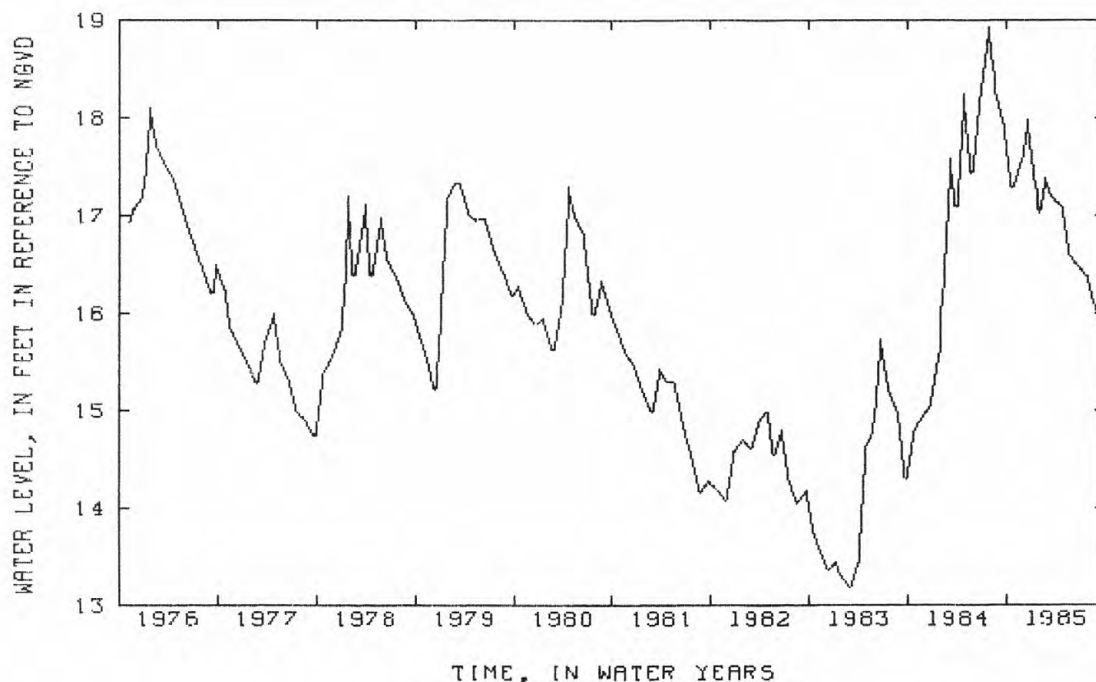
GROUND-WATER LEVELS
QUEENS COUNTY--Continued

105

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.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	17.28	DEC 19	17.98	FEB 21	17.39	APR 22	17.08	JUL 25	16.36	AUG 21	16.13
NOV 26	17.58	JAN 30	17.05	MAR 22	17.18	MAY 20	16.58	JUL 30	16.38	SEP 25	15.88



GROUND-WATER LEVELS

QUEENS COUNTY--Continued

404025073463801. Local number, G 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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

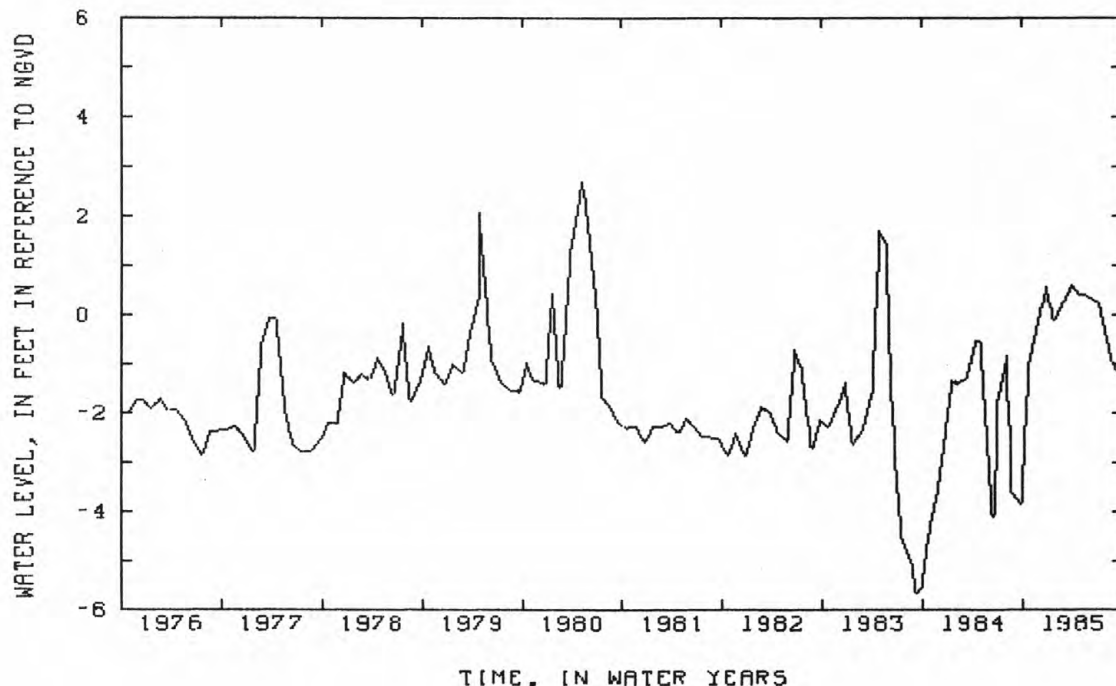
DATUM.--Land-surface datum is 21.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of nipple, 1.21 ft above land-surface datum.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	-0.95	DEC 24	0.58	MAR 25	0.59	MAY 23	0.36	JUL 23	-0.05	SEP 30	-1.33
NOV 26	-0.07	JAN 25	-0.09	APR 24	0.41	JUL 5	0.24	AUG 27	-0.97		



GROUND-WATER LEVELS

107

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	20.43	DEC 17	20.27	MAY 16	19.69						

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

DATUM.--Land-surface datum is 50.5 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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	25.24	DEC 17	24.69	MAY 16	23.94						

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

DATUM.--Land-surface datum is 45.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.22 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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	7.72	DEC 19	8.82	FEB 21	8.42	APR 22	7.62	JUN 20	6.62	AUG 21	6.60
NOV 26	8.91	JAN 30	8.72	MAR 22	8.08	MAY 20	7.23	JUL 25	6.54	SEP 25	6.47

GROUND-WATER LEVELS

SUFFOLK COUNTY

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS and Town of Babylon personnel.

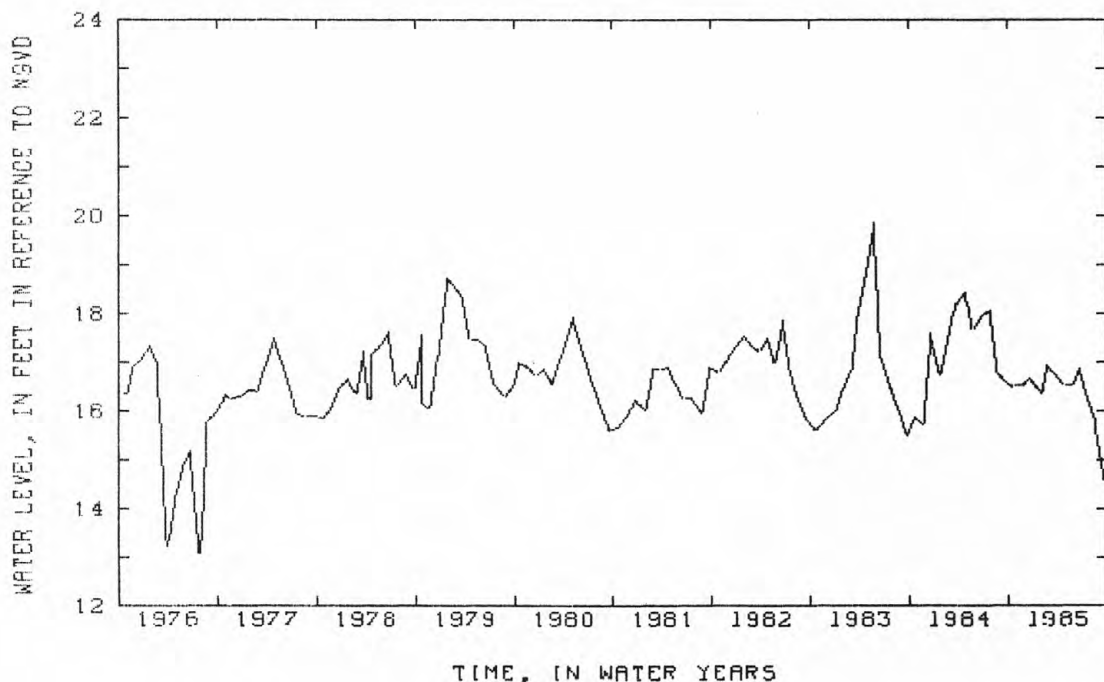
DATUM.--Land-surface datum is 23.7 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.08 ft above land-surface datum.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	16.51	DEC 19	16.68	FEB 21	16.93	APR 22	16.54	JUN 20	16.88	AUG 21	15.83
NOV 26	16.54	JAN 30	16.41	MAR 22	16.78	MAY 20	16.52	JUL 25	16.17	SEP 25	14.58



GROUND-WATER LEVELS
SUFFOLK COUNTY--Continued

109

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS and Town of Babylon personnel.

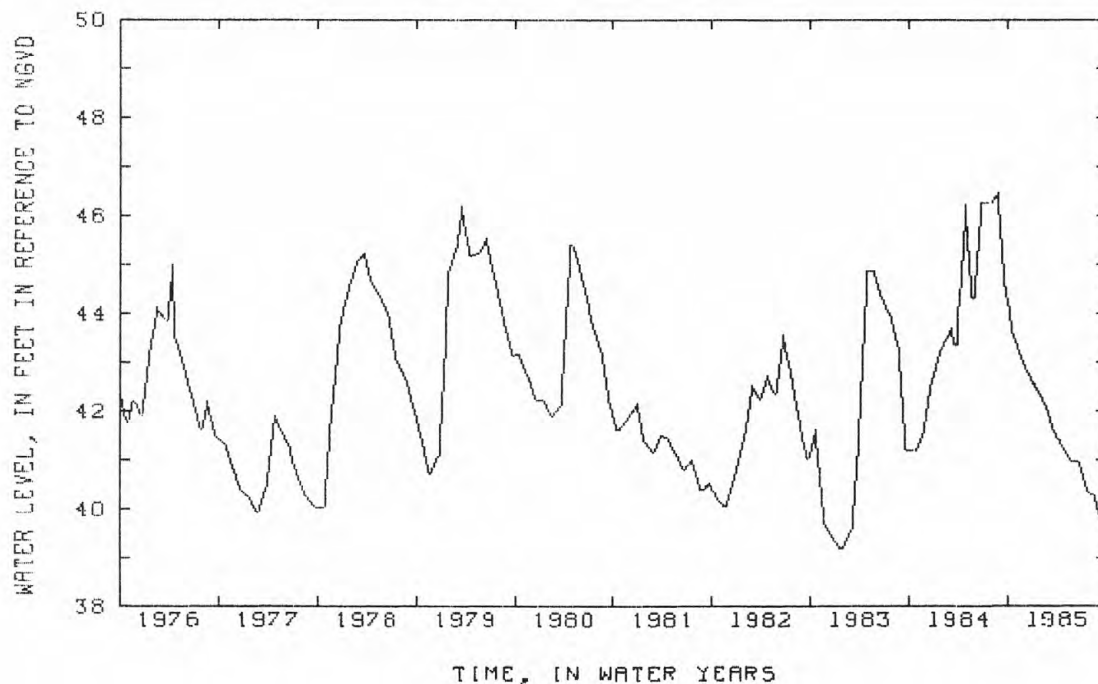
DATUM.--Land-surface datum is 57.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.22 ft above land-surface datum.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	43.57	DEC 19	42.77	FEB 21	42.11	APR 22	41.22	JUN 20	40.92	AUG 21	40.28
NOV 26	43.02	JAN 30	42.32	MAR 22	41.61	MAY 20	40.98	JUL 25	40.33	SEP 25	39.59

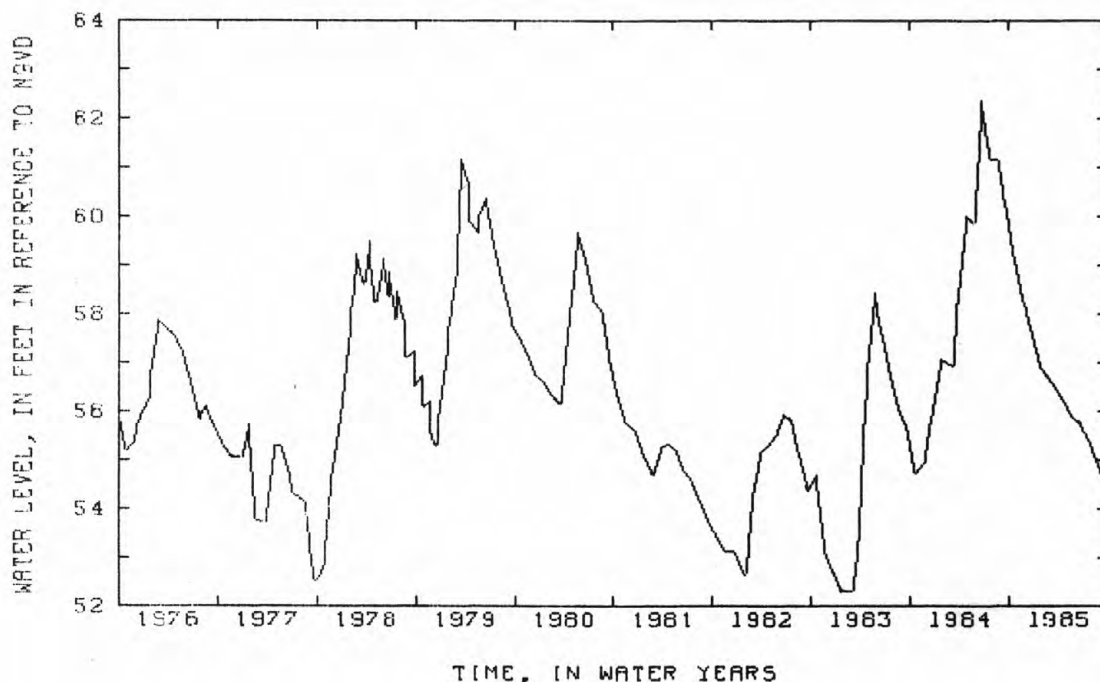


GROUND-WATER LEVELS
SUFFOLK COUNTY--Continued

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.
 INSTRUMENTATION.--Measurement with chalked tape by USGS and Town of Babylon personnel.
 DATUM.--Land-surface datum is 86.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.49 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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	
OCT 23	59.18	DEC 19	57.78	FEB 21	56.70	APR 22	56.17	JUN 20	55.76	SEP 25	54.50	
NOV 26	58.23	JAN 30	56.87	MAR 22	56.49	MAY 20	55.88	JUL 25	55.38			



GROUND-WATER LEVELS

111

SUFFOLK COUNTY--Continued

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, screened 19 to 21 ft.

INSTRUMENTATION.--Measurement with chalked tape by USGS and Town of Babylon personnel

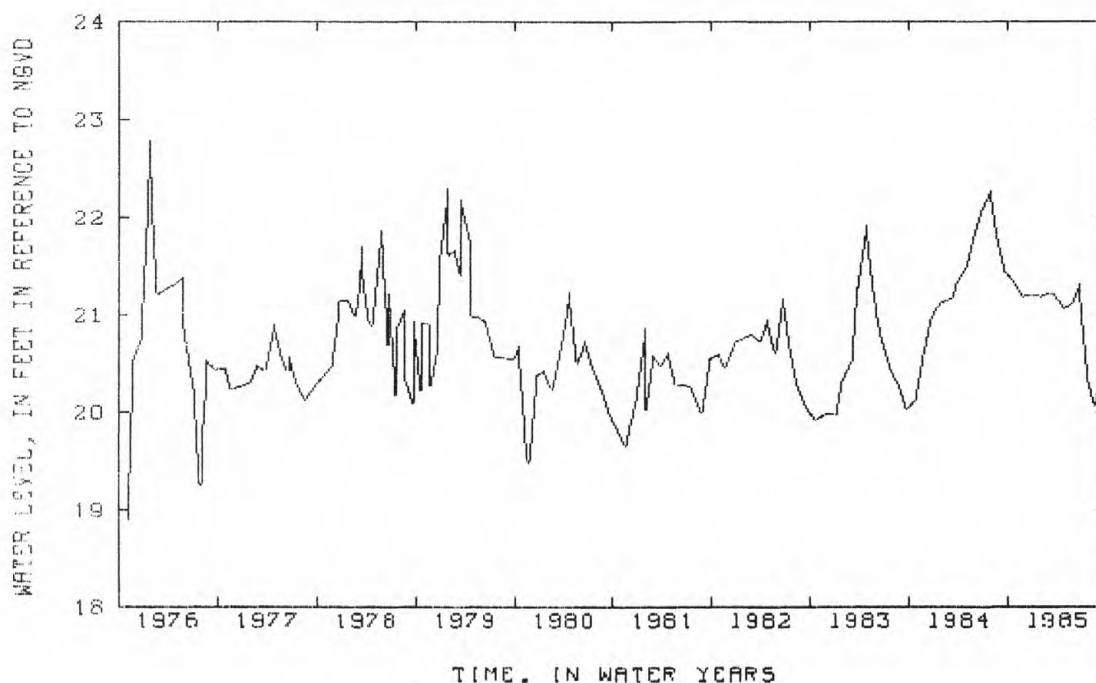
DATUM.--Land-surface datum is 23.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.97 ft above land-surface datum.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	21.35	DEC 19	21.20	FEB 21	21.22	APR 22	21.07	JUN 20	21.32	AUG 21	20.09
NOV 26	21.19	JAN 30	21.19	MAR 22	21.21	MAY 20	21.12	JUL 25	20.30	SEP 25	20.72



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, screened 10 to 11 ft.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

DATUM.--Land-surface datum is 13.6 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.29 ft below 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, 9.21 ft NGVD, SEPT. 25, 1985.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	9.75	DEC 19	9.93	FEB 21	10.01	APR 22	9.31	JUN 20	9.96	AUG 21	10.41
NOV 26	9.81	JAN 30	9.71	MAR 22	9.91	MAY 20	9.71	JUL 25	9.51	SEP 25	9.21

GROUND-WATER LEVELS
SUFFOLK COUNTY--Continued

404351073164901 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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

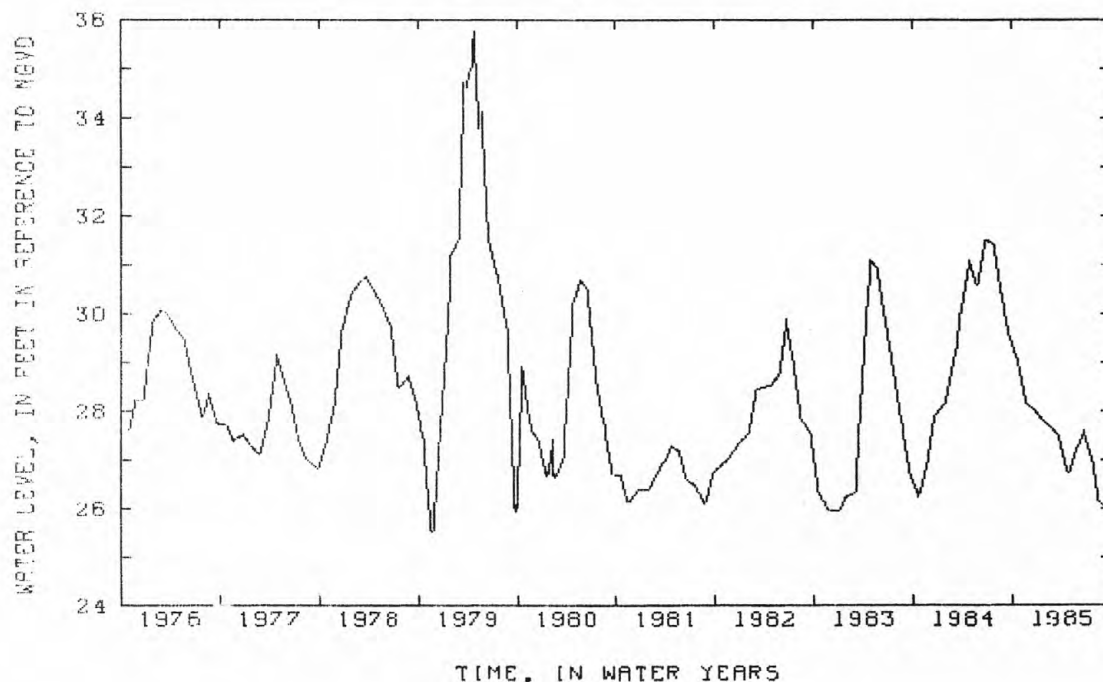
DATUM.--Land-surface datum is 42.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.45 ft below land-surface datum.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	29.07	DEC 19	28.05	FEB 21	27.67	APR 22	26.75	JUN 20	27.60	AUG 21	26.13
NOV 26	28.15	JAN 30	27.76	MAR 22	27.50	MAY 20	27.25	JUL 25	26.95	SEP 25	25.96



GROUND-WATER LEVELS

113

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

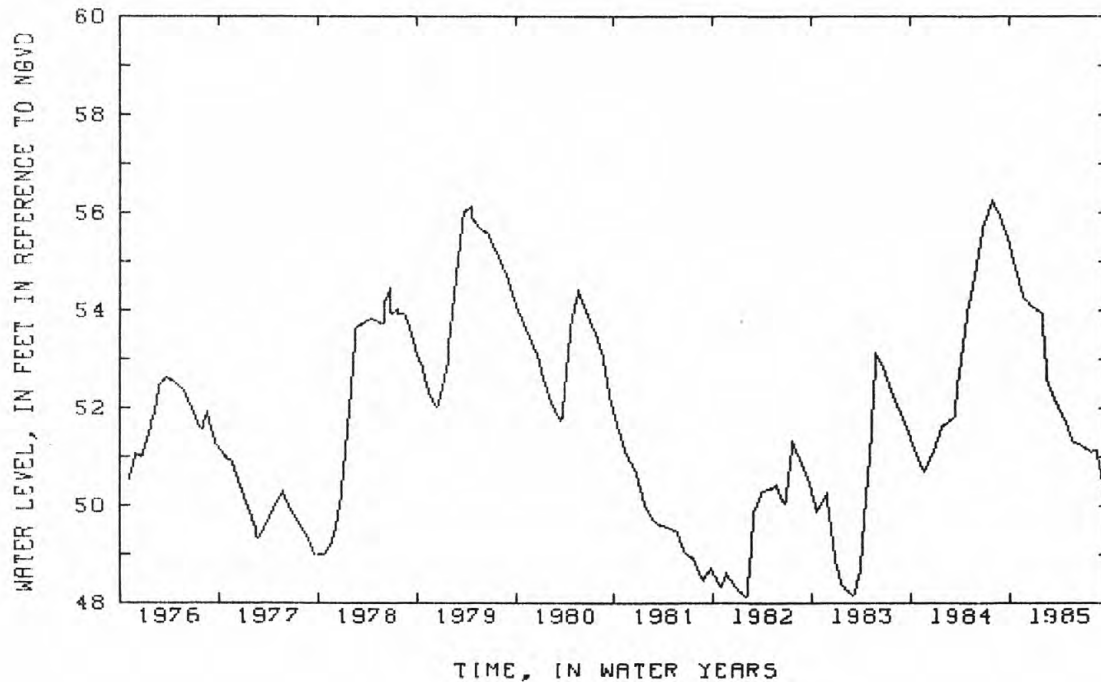
DATUM.--Land-surface datum is 91.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.35 ft below land-surface datum.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	54.94	DEC 19	54.10	FEB 21	52.52	APR 22	51.72	JUN 20	51.25	AUG 21	51.15
NOV 26	54.22	JAN 30	53.95	MAR 22	52.15	MAY 20	51.31	JUL 25	51.10	SEP 25	50.14



GROUND-WATER LEVELS
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.
INSTRUMENTATION. --Measurement with chalked tape by USGS personnel.
DATUM. --Land-surface datum is 58.0 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.77 ft below 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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR 2	58.02										

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 50 ft, screened 46 to 50 ft.
INSTRUMENTATION. --Measurement with chalked tape by USGS personnel.
DATUM. --Land-surface datum is 69.9 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.68 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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	49.75	DEC 19	48.85	FEB 21	47.83	APR 22	47.08	JUN 21	46.57	AUG 21	45.34
NOV 26	49.14	JAN 30	48.00	MAR 20	47.54	MAY 20	46.64	JUL 25	45.78	SEP 25	45.28

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.
INSTRUMENTATION. --Measurement with chalked tape by USGS personnel.
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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	39.70	APR 4	38.32	JUN 27	37.87	SEP 19	36.88				

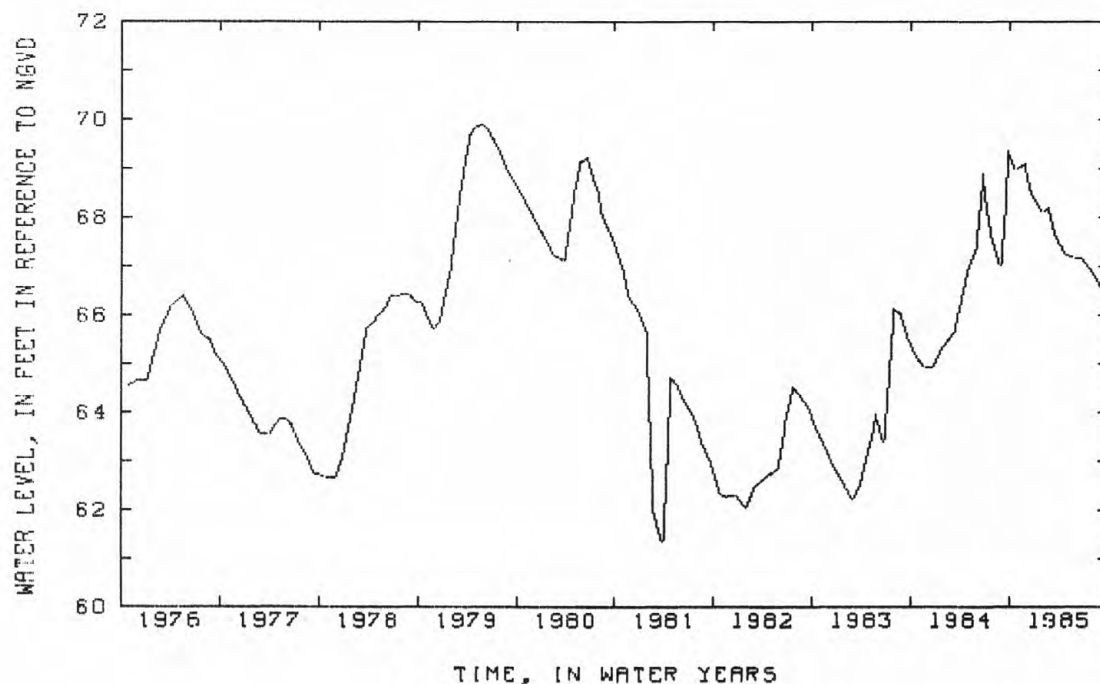
GROUND-WATER LEVELS
SUFFOLK COUNTY--Continued

115

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.
INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
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 current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 69.91 ft NGVD, May. 29, 1979; lowest measured, 56.06 ft NGVD, Mar. 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	68.96	DEC 19	68.51	FEB 21	68.20	APR 22	67.23	JUN 21	67.17	AUG 21	66.72
NOV 26	69.11	JAN 30	68.09	MAR 20	67.59	MAY 20	67.16	JUL 25	66.92	SEP 25	66.36
DEC 5	68.90										

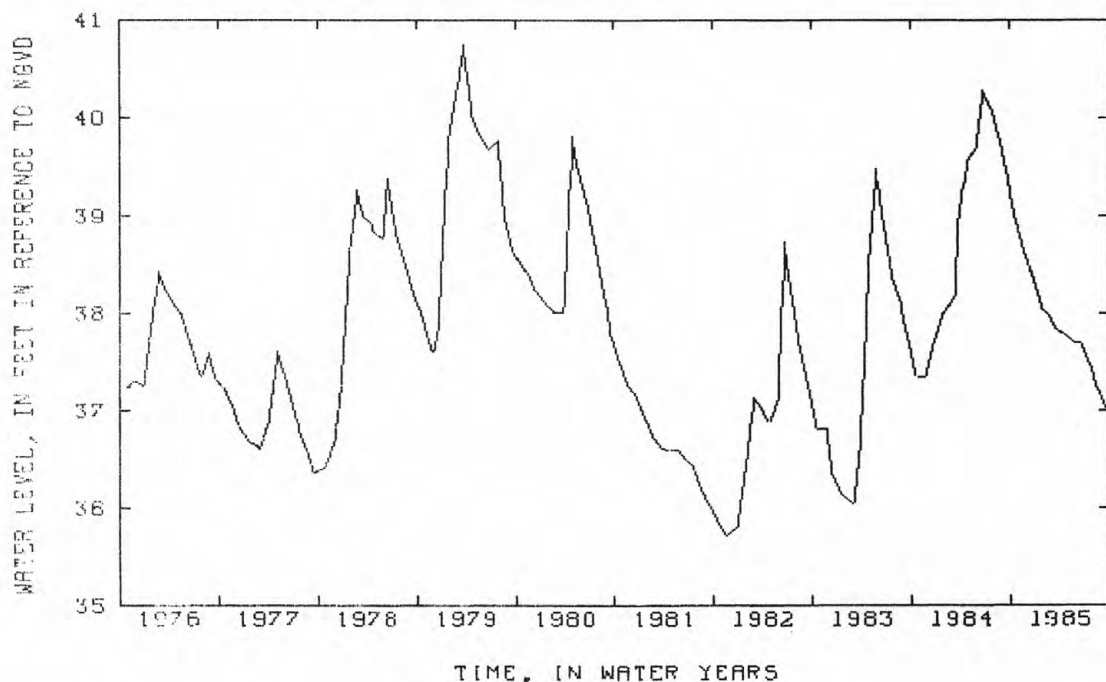


GROUND-WATER LEVELS
SUFFOLK COUNTY--Continued

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.
 INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
 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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	38.97	DEC 19	38.42	FEB 21	37.98	APR 22	37.77	JUN 21	37.69	AUG 21	37.24
NOV 26	38.60	JAN 30	38.03	MAR 20	37.83	MAY 20	37.70	JUL 25	37.45	SEP 25	37.01



GROUND-WATER LEVELS

117

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

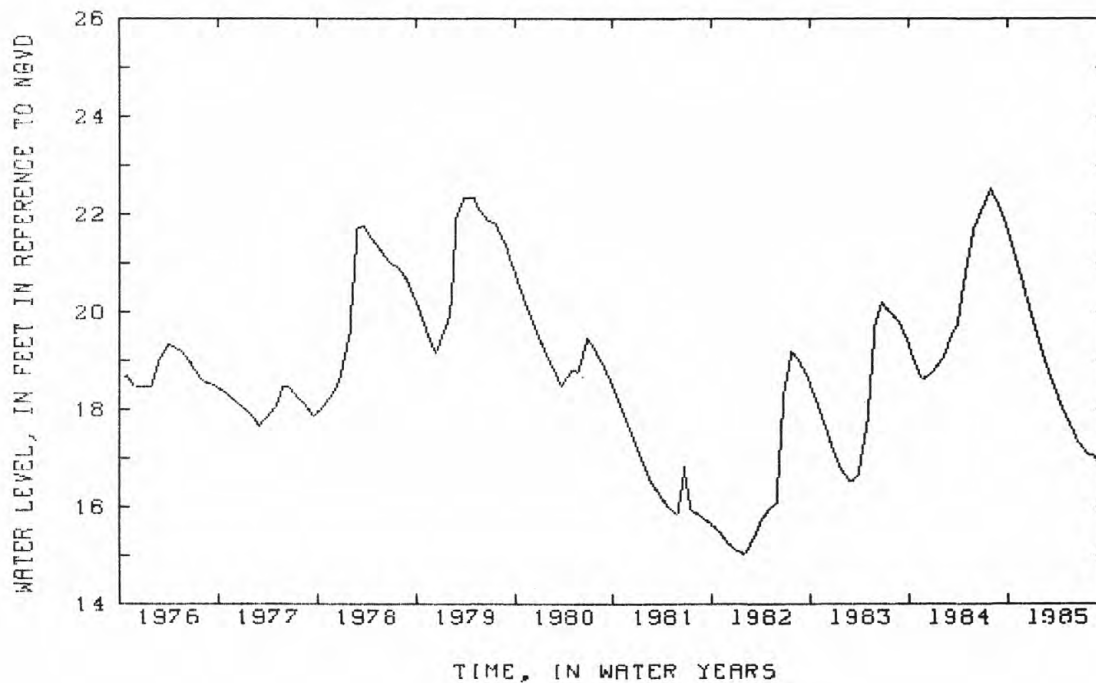
DATUM.--Land-surface datum is 64.4 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.04 ft above land-surface datum.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	21.29	DEC 19	20.16	FEB 21	18.94	APR 22	17.98	JUN 20	17.30	AUG 21	17.02
NOV 26	20.62	JAN 30	19.33	MAR 20	18.49	MAY 20	17.63	JUL 25	17.06	SEP 25	16.70

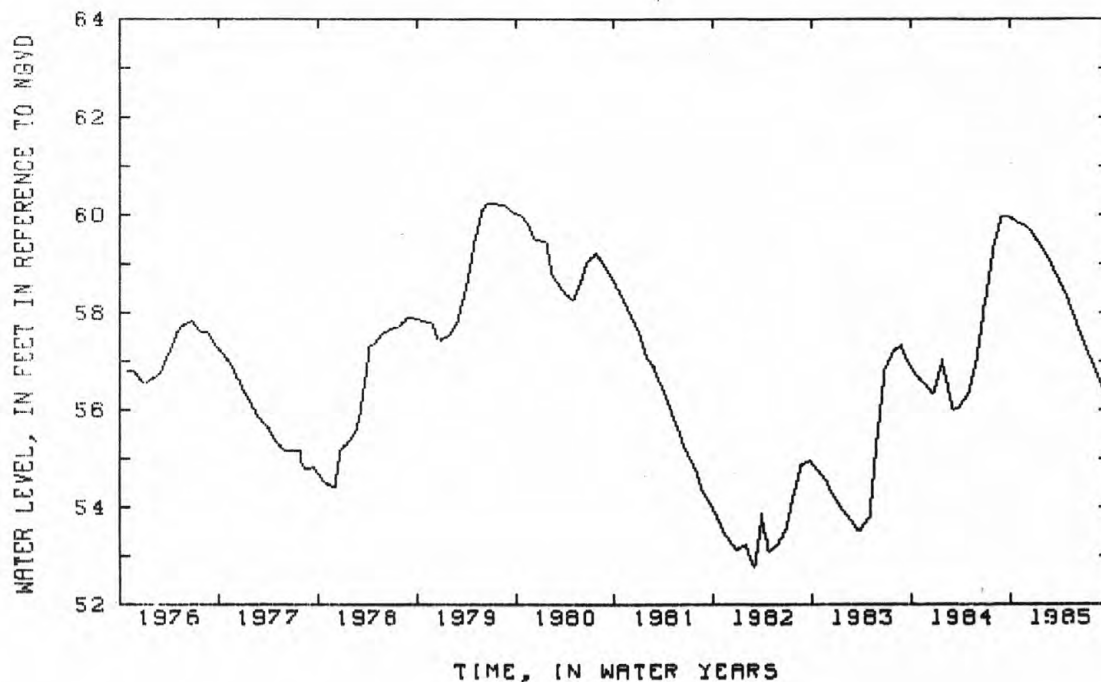


GROUND-WATER LEVELS
SUFFOLK COUNTY--Continued

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 80 ft, screened 76 to 80 ft.
 INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
 DATUM.--Land-surface datum is 123 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.24 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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	59.83	DEC 19	59.68	FEB 21	59.09	APR 22	58.36	JUN 21	57.51	AUG 21	56.74
NOV 26	59.78	JAN 30	59.29	MAR 20	58.76	MAY 20	57.94	JUL 25	57.03	SEP 25	56.23



GROUND-WATER LEVELS

119

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.

INSTRUMENTATION.--Measurement with chalked tape by Observer.

DATUM.--Land-surface datum is 100 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 1.44 ft above land-surface datum.

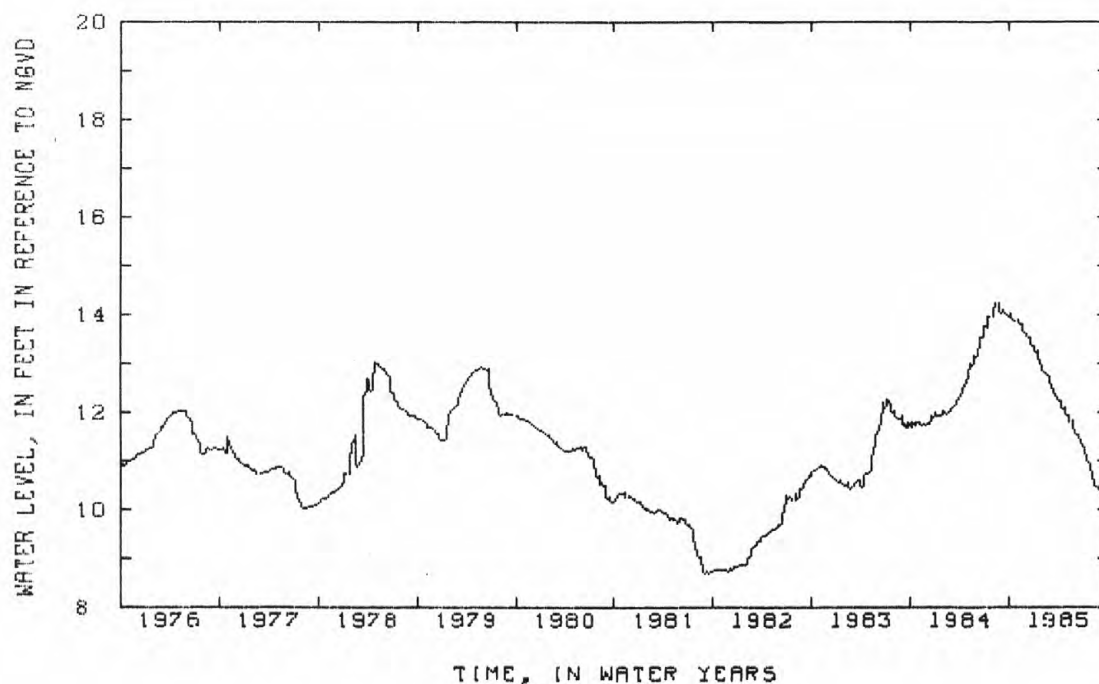
PERIOD OF RECORD.--August 1945 to current year.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 1	13.96 G	NOV 26	13.64 G	JAN 21	13.07 G	APR 7	12.25 G	MAY 27	11.64 G	AUG 5	10.76 G
8	14.04 G	DEC 10	13.52 G	FEB 4	12.85 G	15	12.07 G	JUN 10	11.52 G	19	10.48 G
15	13.91 G	16	13.52 G	25	12.73 G	24	12.10 G	17	11.52 G	28	10.46 G
29	13.85 G	20	13.36 G	MAR 4	12.56 G	29	11.94 G	24	11.43 G	SEP 2	10.41 G
NOV 5	13.91 G	30	13.38 G	11	12.46 G	MAY 8	11.94 G	JUL 7	11.28 G	16	10.30 G
12	13.79 G	JAN 6	13.22 G	18	12.37 G	13	11.78 G	22	10.98 G	30	10.25 G
17	13.80 G	13	13.28 G	APR 1	12.22 G	20	11.82 G	29	10.93 G		

G MEASUREMENT BY ANOTHER AGENCY



GROUND-WATER LEVELS
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.

INSTRUMENTATION. --Measurement with chalked tape by USGS personnel.

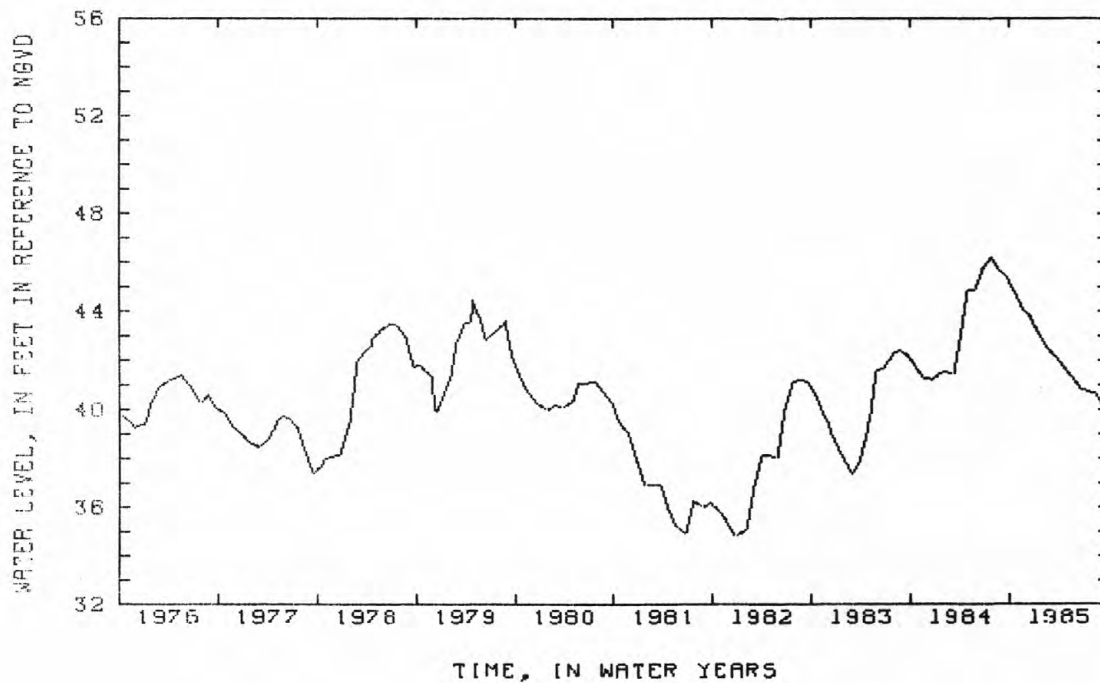
DATUM. --Land-surface datum is 115 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.04 ft above land-surface datum.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	44.80	DEC 19	43.73	FEB 21	42.47	APR 22	41.58	JUN 20	40.81	AUG 21	40.61
NOV 26	44.01	JAN 30	42.84	MAR 20	42.12	MAY 20	41.26	JUL 25	40.66	SEP 25	39.95



GROUND-WATER LEVELS

121

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

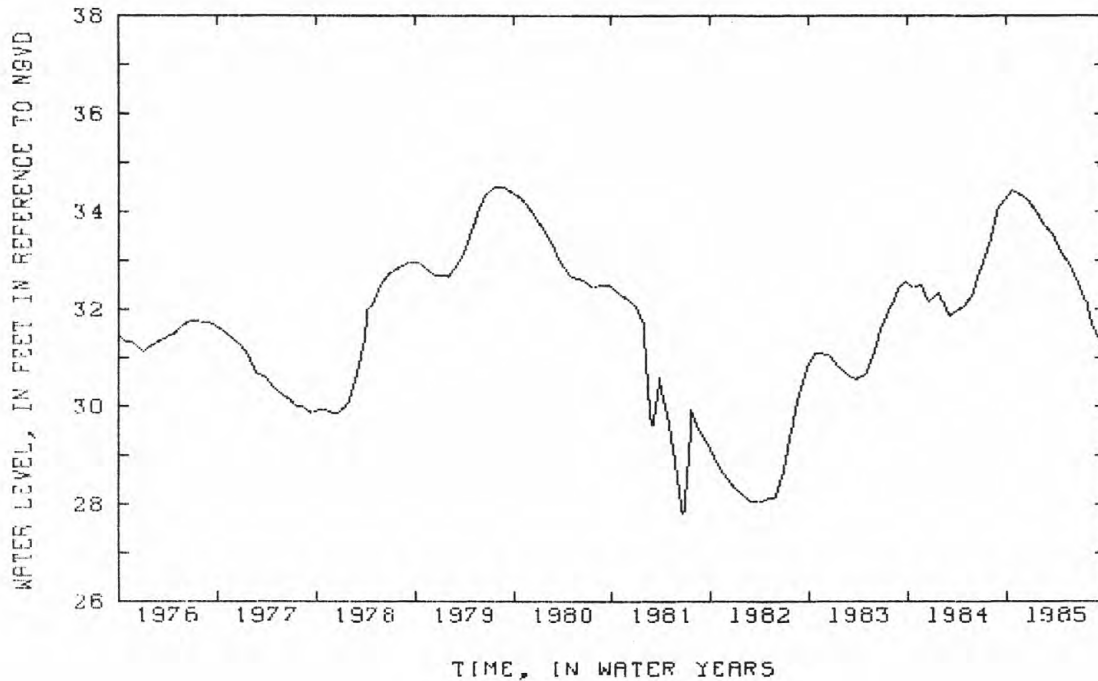
DATUM.--Land-surface datum is 138 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.13 ft above land-surface datum.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	34.44	DEC 19	34.22	FEB 21	33.71	APR 22	33.13	JUN 21	32.56	AUG 21	31.65
NOV 26	34.35	JAN 30	33.91	MAR 20	33.52	MAY 20	32.90	JUL 25	32.09	SEP 25	31.24



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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

DATUM.--Land-surface datum is 85 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 inch nipple, 2.07 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. 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 9	34.14	MAR 28	33.82	JUL 11	32.81						

GROUND-WATER LEVELS

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 9	40.08	MAR 28	39.56	JUL 11	38.67						

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS and County personnel.

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.

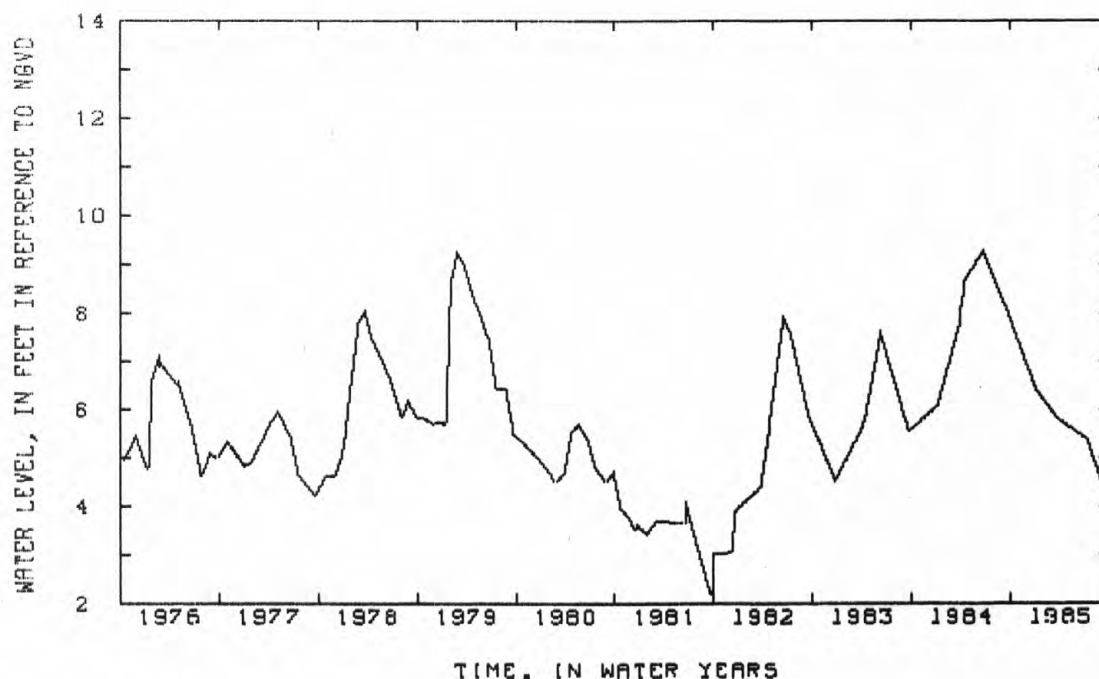
PERIOD OF RECORD.--July 1949 to current year.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 9	6.37	MAR 28	5.79	JUL 11	5.37	SEP 6	4.44 G				

G MEASUREMENT BY ANOTHER AGENCY

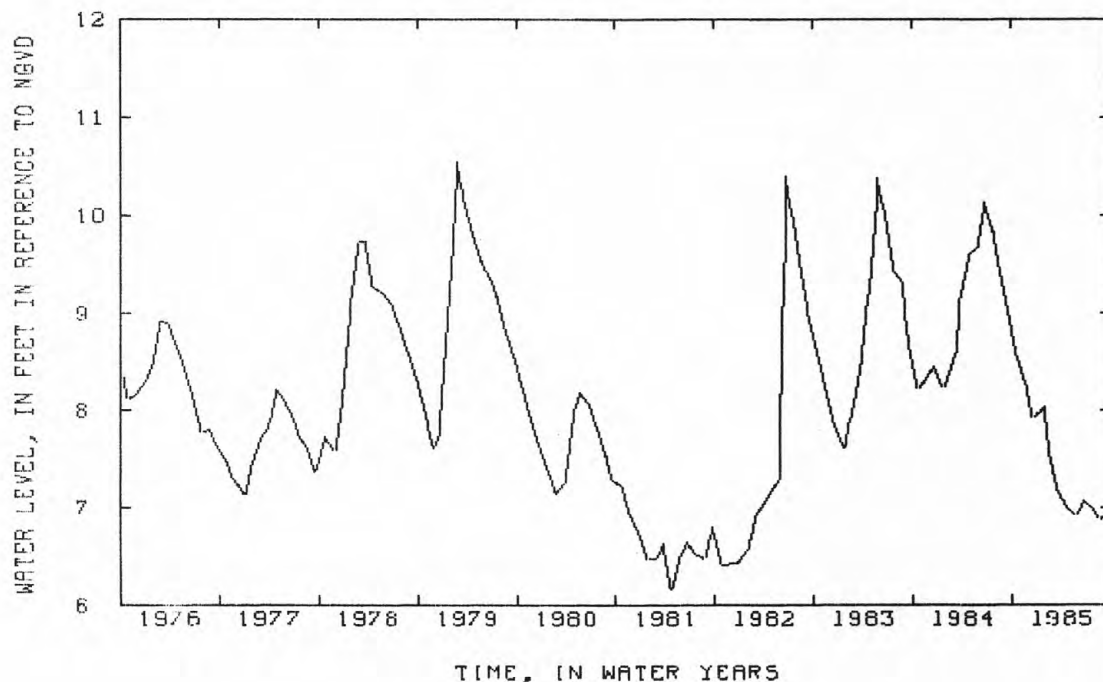


GROUND-WATER LEVELS
SUFFOLK COUNTY--Continued

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.
 INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
 DATUM.--Land-surface datum is 39 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.97 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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	8.55	DEC 19	7.91	FEB 21	7.52	APR 22	6.99	JUN 20	7.07	AUG 21	6.89
NOV 26	8.25	JAN 30	8.03	MAR 20	7.16	MAY 20	6.92	JUL 25	6.99	SEP 25	6.93



404931072530501. 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.
 INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
 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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 8	10.57	MAR 28	10.33	JUL 12	10.11						

GROUND-WATER LEVELS

125

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 9	8.53	MAR 28	7.68	JUL 11	6.77						

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 9	3.23	MAR 28	2.76	JUL 11	2.54						

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

DATUM.--Land-surface datum is 22 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.44 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 1984 TO SEPTEMBER 1985

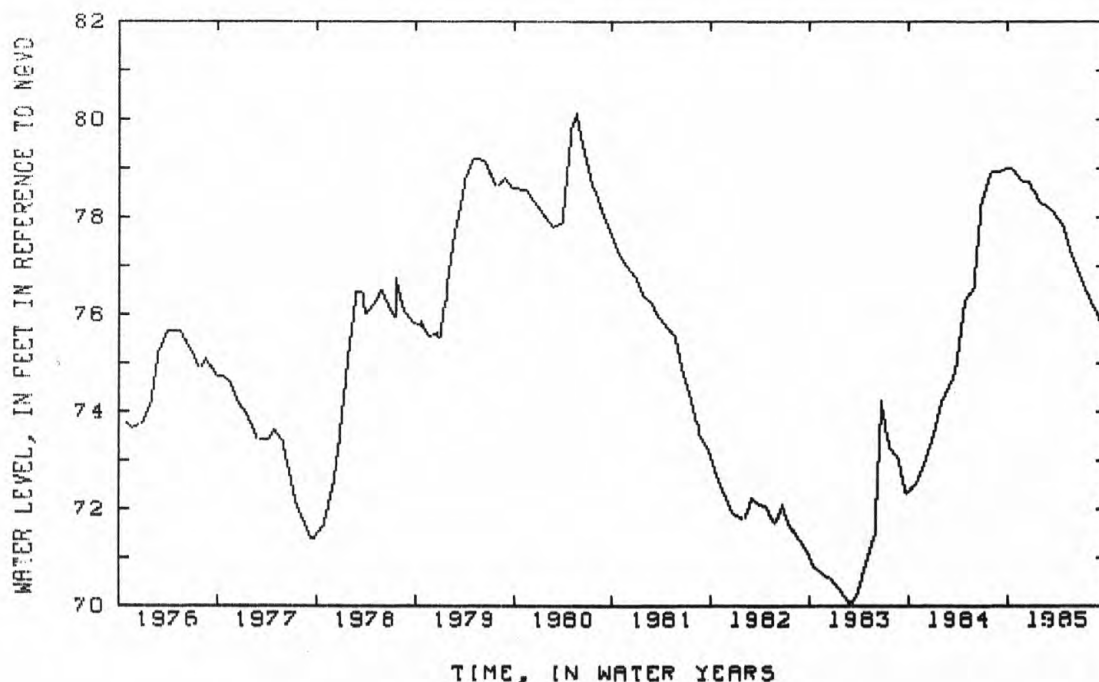
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	3.31	JAN 9	2.50	MAR 28	2.35	JUL 11	2.20				

GROUND-WATER LEVELS
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.
INSTRUMENTATION. --Measurement with chalked tape by USGS personnel.
DATUM. --Land-surface datum is 141.5 ft National Geodetic Vertical of 1929. Measuring point: Top of casing, 0.34 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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	78.98	DEC 19	78.73	FEB 21	78.24	APR 22	77.80	JUN 21	76.87	AUG 21	76.14
NOV 26	78.75	JAN 31	78.30	MAR 20	78.09	MAY 20	77.27	JUL 25	76.40	SEP 25	75.71



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.
INSTRUMENTATION. --Measurement with chalked tape by USGS personnel.
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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 10	20.74	APR 3	20.07	JUN 26	19.63	SEP 20	18.50				

SUFFOLK COUNTY--Continued

404528073114802. Local number, S 17987.2

LOCATION.--Lat 40°45'28", long 73°11'48", Hydrologic Unit 02030202, at Carleton Avenue, 260 ft north of Spur Drive Islip Terrace. Owner: U.S. Geological Survey.

AQUIFER.--Upper Glacial (water table).

WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 16 ft, screened 13 to 16 ft.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

DATUM.--Land-surface datum is 36 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.20 ft below 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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 2	27.70	DEC 11	26.40	APR 4	26.06	JUN 27	25.66	SEP 19	24.80		

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

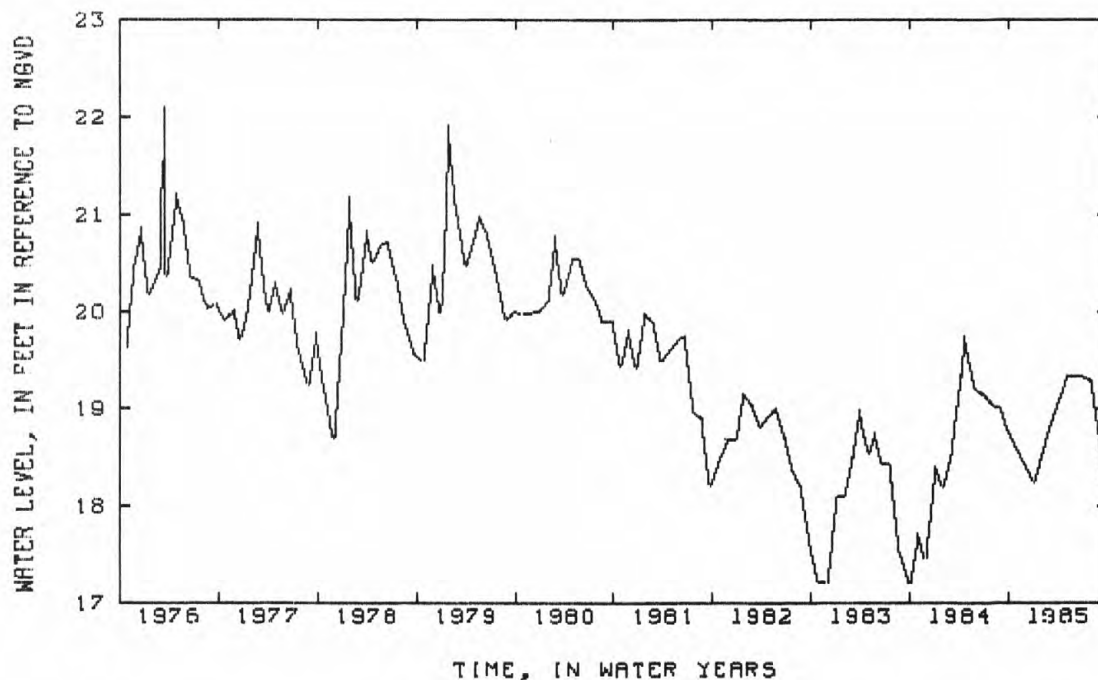
DATUM.--Land-surface datum is 10 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of flange, 13.68 ft above land-surface datum.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 4	18.25	APR 30	19.33	JUN 30	19.34	JUL 31	19.28	AUG 31	18.74	SEP 30	18.08
FEB 28	18.81										



GROUND-WATER LEVELS

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

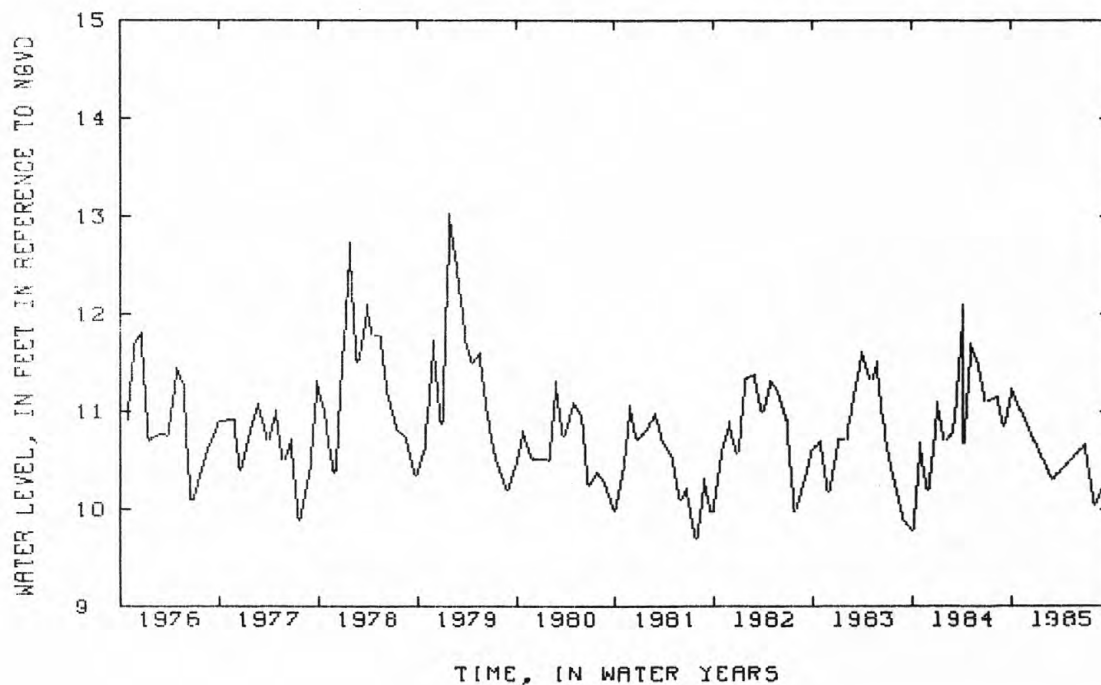
DATUM.--Land-surface datum is 10 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 20.01 ft above land-surface datum.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 28	10.32	JUN 30	10.66	JUL 31	10.05	AUG 31	10.25	SEP 30	10.15		



GROUND-WATER LEVELS

129

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 10	44.80	APR 4	42.19	JUN 28	41.23	SEP 20	40.33				

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

DATUM.--Land-surface datum is 60 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in coupling, 2.89 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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 10	44.77	APR 4	42.48	JUN 28	42.59	SEP 20	41.32				

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

DATUM.--Land-surface datum is 60 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in coupling, 2.60 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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 10	46.68	APR 4	42.49	JUN 28	43.80	SEP 20	42.97				

GROUND-WATER LEVELS
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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 10	41.19	APR 4	39.60	JUN 28	39.20	SEP 20	38.08				

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

DATUM.--Land-surface datum is 123 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 4.28 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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 10	42.64	APR 4	40.81	JUN 28	40.42	SEP 20	39.56				

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

DATUM.--Land-surface datum is 123 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.71 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, 45.41 ft NGVD, Dec. 10, 1984; lowest measured, 34.74 ft NGVD, Jan. 27, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 10	45.41	APR 4	42.11	JUN 28	41.34	SEP 20	40.58				

GROUND-WATER LEVELS

131

SUFFOLK COUNTY Continued

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

DATUM.--Land-surface datum is 60 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.89 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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 10	43.89	APR 11	43.44	JUN 28	43.49	SEP 20	42.81				

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 10	55.68	APR 4	53.90	JUN 28	52.74	SEP 20	51.80				

404829073161502. 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.--Magothy (Confined).

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in, depth 434 ft, screened 424 to 434 ft.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 10	56.21	APR 4	54.49	JUN 28	53.24	SEP 20	51.36				

GROUND-WATER LEVELS
SUFFOLK COUNTY--Continued

404820073160303. Local number, S 24771.1

LOCATION.--Lat 40°48'20", long 73°16'03", Hydrologic Unit 02030202, at Vanderbilt Parkway and Wicks Road, Brentwood. Owner: U.S. Geological Survey.

AQUIFER.--Upper Glacial (water-table).

WELL CHARACTERISTICS.--Drilled observation well, diameter 4 in, depth 127 ft, screened 117 to 127 ft.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

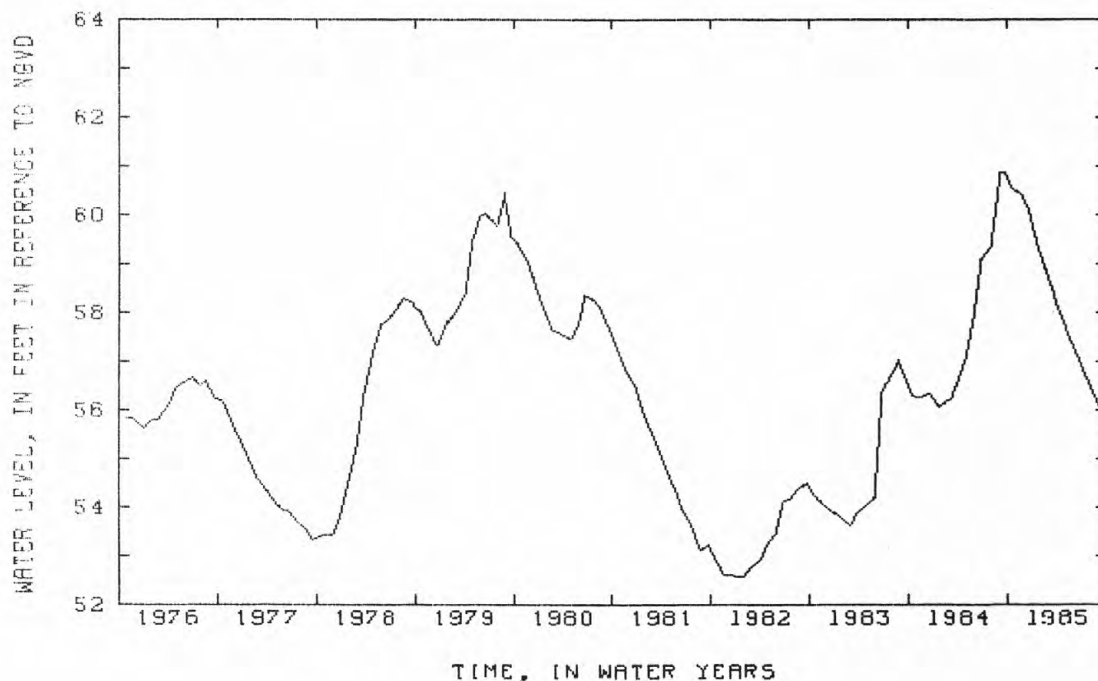
DATUM.--Land-surface datum is 139 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.86 ft above land-surface datum.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	60.53	JAN 30	59.24	MAR 20	58.44	APR 22	57.82	JUN 21	57.07	AUG 21	56.31
NOV 26	60.41	FEB 21	58.87	APR 4	58.15	MAY 20	57.39	JUL 25	56.61	SEP 25	55.89
DEC 19	60.12										



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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 12	61.97	APR 10	60.99	JUN 27	59.97	SEP 23	57.77				

GROUND-WATER LEVELS

133

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 12	62.18	APR 10	61.10	JUN 27	61.85	SEP 23	58.25				

404703073264201. 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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 12	85.61	APR 11	84.57	JUN 27	83.81	SEP 23	80.94				

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

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, 85.60 ft NGVD, Dec. 12, 1984; lowest measured, 67.90 ft NGVD, May 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 12	85.60	APR 11	84.64	JUN 27	84.09	SEP 23	81.30				

GROUND-WATER LEVELS
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.

INSTRUMENTATION. --Measurement with chalked tape by USGS personnel.

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, 86.32 ft NGVD, Dec. 12, 1984; lowest measured, 68.27 ft NGVD, June 27, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 12	86.32	APR 11	85.37	JUN 27	84.93	SEP 23	82.07				

405455073025802. Local number, S 31734.1T

LOCATION. --Lat 40°54'51", 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. --Lloyd (confined).

WELL CHARACTERISTICS. --Drilled observation well, diameter 6 in, depth 1,095 ft, screened 1,070 to 1,090 ft.

INSTRUMENTATION. --Measurement with chalked tape by USGS personnel.

DATUM. --Land-surface datum is 165 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.25 inch hole in reducer 1.62 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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	44.45	JAN 9	44.23	JUN 27	42.42	SEP 19	41.07				

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.

INSTRUMENTATION. --Measurement with chalked tape by USGS personnel.

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, 46.54 ft NGVD, Dec. 11, 1984; lowest measured, 38.92 ft NGVD, July 26, 1971.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	46.54	APR 1	45.40	JUN 27	44.69	SEP 19	43.86				

GROUND-WATER LEVELS

135

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

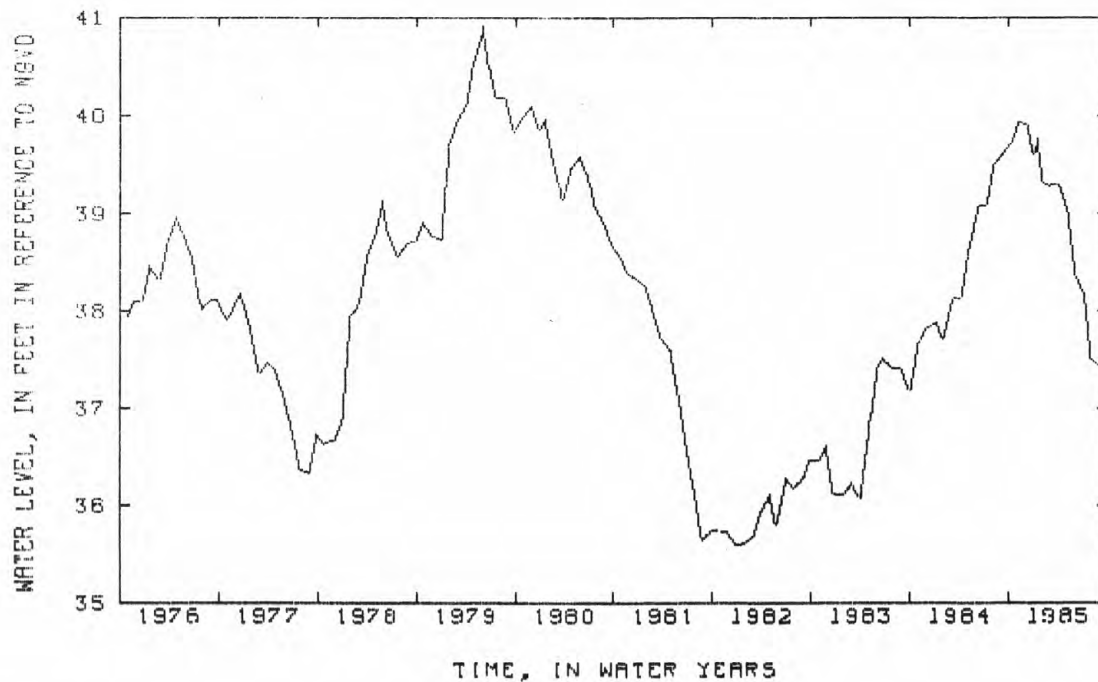
DATUM.--Land-surface datum is 134 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.34 ft above land-surface datum.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 9	39.71	JAN 3	39.61	FEB 5	39.31	APR 2	39.30	JUN 4	38.35	AUG 6	37.50
NOV 2	39.94	17	39.77	MAR 1	39.29	MAY 7	39.00	JUL 2	38.19	SEP 3	37.44
DEC 10	39.90										



GROUND-WATER LEVELS
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.

INSTRUMENTATION.--Measurement with chalked tape by USGS and County personnel.

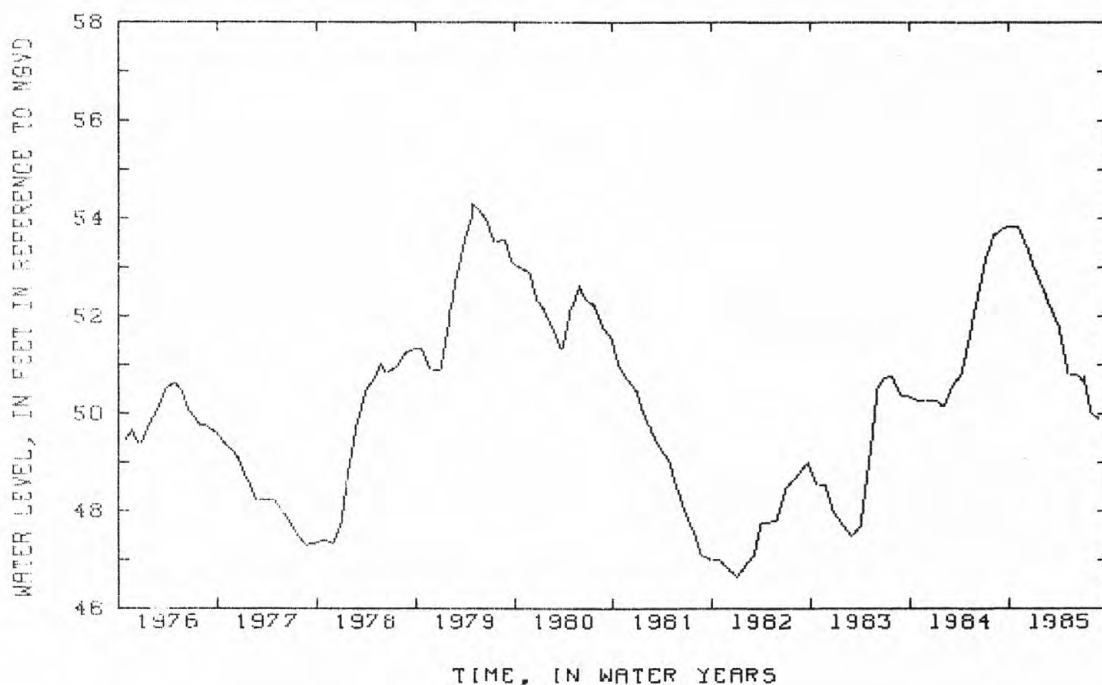
DATUM.--Land-surface datum is 134 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.63 ft above land-surface datum.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 9	53.85	JAN 3	52.99	MAR 1	52.22	MAY 7	50.80	JUN 27	50.67	AUG 6	50.01
NOV 2	53.83	FEB 5	52.58	APR 2	51.79	JUN 4	50.81	JUL 2	50.78	SEP 3	49.89
DEC 10	53.39										



405517072574902. Local number, S 34892.1

LOCATION.--Lat 40°55'19", 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.

INSTRUMENTATION.--Measurement with chalked tape by USGS and County personnel.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 10	51.57 G	MAR 6	50.36 G	MAR 28	50.12	JUN 10	49.06 G	JUL 12	48.70	SEP 3	48.08 G
JAN 9	51.11										

G MEASUREMENT BY ANOTHER AGENCY

GROUND-WATER LEVELS

137

SUFFOLK COUNTY--Continued

405517072574903. Local number, S 34894.1

LOCATION.--Lat 40°55'18", 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.

INSTRUMENTATION.--Measurement with chalked tape by USGS and County personnel.

DATUM.--Land-surface datum is 123 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 inch nipple, 4.82 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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 10	49.20 G	MAR 6	48.06 G	MAR 28	47.93	JUN 10	46.89 G	JUL 12	46.46	SEP 3	45.91 G
JAN 9	48.72										

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 2	35.13	DEC 12	34.03	APR 2	33.42	APR 5	32.82	JUN 27	32.48	SEP 19	31.78

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 2	39.04	DEC 11	37.72	APR 4	36.03	JUN 27	35.68	SEP 19	34.76		

GROUND-WATER LEVELS
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.
INSTRUMENTATION. --Measurement with chalked tape by USGS personnel.
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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 2	33.04	DEC 11	32.37	APR 4	31.58	JUN 27	31.43	SEP 23	30.78		

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.
INSTRUMENTATION. --Measurement with chalked tape by USGS personnel.
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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 9	37.79	MAR 28	36.95	JUL 11	35.83						

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.
INSTRUMENTATION. --Measurement with chalked tape by USGS personnel.
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, 69.82 ft NGVD, Dec. 10, 1984; lowest measured, 62.10 ft NGVD, Sept. 27, 1982.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 10	69.82	APR 10	68.89	JUN 26	68.80	SEP 20	66.90				

GROUND-WATER LEVELS

139

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	35.84	APR 3	34.95	JUL 1	35.51	SEP 20	34.39				

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	72.68	APR 2	71.93	JUN 28	71.43	SEP 19	70.55				

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 10	68.61	APR 10	67.91	JUN 26	67.89	SEP 20	67.65				

GROUND-WATER LEVELS

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.
 INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
 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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 30	2.33	MAR 26	2.40	JUL 1	2.81						

405928072115101. 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.
 INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
 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, 0.48 ft NGVD, Sept. 16, 1985.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 30	11.07	MAR 26	10.04	JUL 1	9.33	SEP 16	8.48				

405942072211401. 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 Hock 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.
 INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
 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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 30	42.28	MAR 27	40.83	JUL 2	39.57	SEP 17	38.95				

GROUND-WATER LEVELS

141

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	4.89	JAN 1	4.17	MAR 27	3.80	JUL 2	3.99	SEP 17	3.61		

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 1	12.15	MAR 27	11.30	JUL 3	11.08	SEP 17	10.39				

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 1	13.17	MAR 27	12.30	JUL 3	11.13	SEP 17	10.54				

GROUND-WATER LEVELS
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, Guogue. Owner: Town of Southampton.

AQUIFER.--Upper Glacial (water-table).

WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 41 ft, screen assumed at bottom.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 1	8.50	MAR 27	8.11	JUL 3	8.20	SEP 17	7.66				

405353072403801. Local number, S 46541.1

LOCATION.--Lat 40°53'42", long 72°40'57", Hydrologic Unit 02030202, at intersection of 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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

DATUM.--Land-surface datum is 27.3 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.04 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, 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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 1	17.62	MAR 27	17.34	JUL 3	17.53						

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 1	29.68	MAR 27	28.44	JUL 3	26.91	SEP 18	25.82				

GROUND-WATER LEVELS

143

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

DATUM.--Land-surface datum is 103 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, 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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 7	30.57	MAR 27	29.46	JUL 3	28.44						

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 7	41.12	MAR 27	39.47	JUL 3	38.50	SEP 18	37.79				

405716072591701. Local number, S 46548.1

LOCATION.--Lat 40°57'15", 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, screened 80 to 84 ft.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 9	12.02	MAR 28	11.39	JUL 12	10.58						

GROUND-WATER LEVELS

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, slireened 68 to 78 ft.

INSTRUMENTATION.--Measurement with chalked tape by USGS and County personnel.

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.

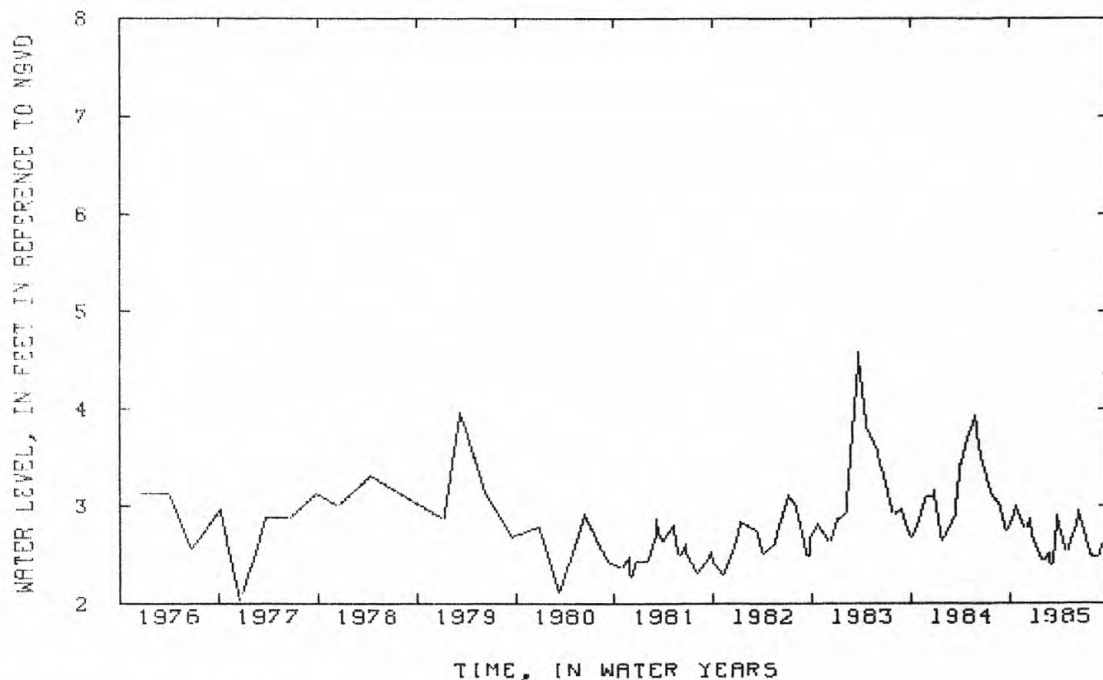
PERIOD OF RECORD.--January 1974 to current year. Unpublished records from January 1974 to September 1983 are available in files of Long Island Subdistrict Office.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	3.00	DEC 21	2.66	MAR 1	2.40 G	MAY 20	2.76	JUL 25	2.49	SEP 4	2.60 G
NOV 26	2.76	JAN 30	2.43	20	2.90	JUN 5	2.95 G	AUG 21	2.49	25	2.61
DEC 12	2.87 G	FEB 21	2.52	APR 22	2.54	20	2.84				

G MEASUREMENT BY ANOTHER AGENCY



GROUND- WATER LEVELS

145

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS and County personnel.

DATUM.--Land-surface datum is 168 ft National Geodetic Vertical Datum of 1929. Measuring Point: Top of Flange, 1.51 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, 4.50 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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 12	4.10 G	DEC 21	3.60	MAR 26	3.30	JUL 1	3.15	SEP 4	3.13 G	SEP 16	2.96
18	4.18	MAR 1	3.33 G	JUN 6	3.36 G						

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 6 in, depth 66 ft, screened 53 to 56 ft.

INSTRUMENTATION.--Measurement with chalked tape by USGS and County personnel.

DATUM.--Land-surface datum is 38.6 ft National Geodetic Vertical Datum of 1929. Measuring Point: Top of Flange, 1.55 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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 12	3.16 G	MAR 1	2.61 G	MAR 26	2.90	JUL 1	3.02	SEP 4	3.04 G	SEP 16	3.00
21	2.92										

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

DATUM.--Land-surface datum is 8 ft National Geodetic Vertical Datum of 1929. Measuring Point: Top of coupling, 0.03 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 1984 TO SEPTEMBER 1985

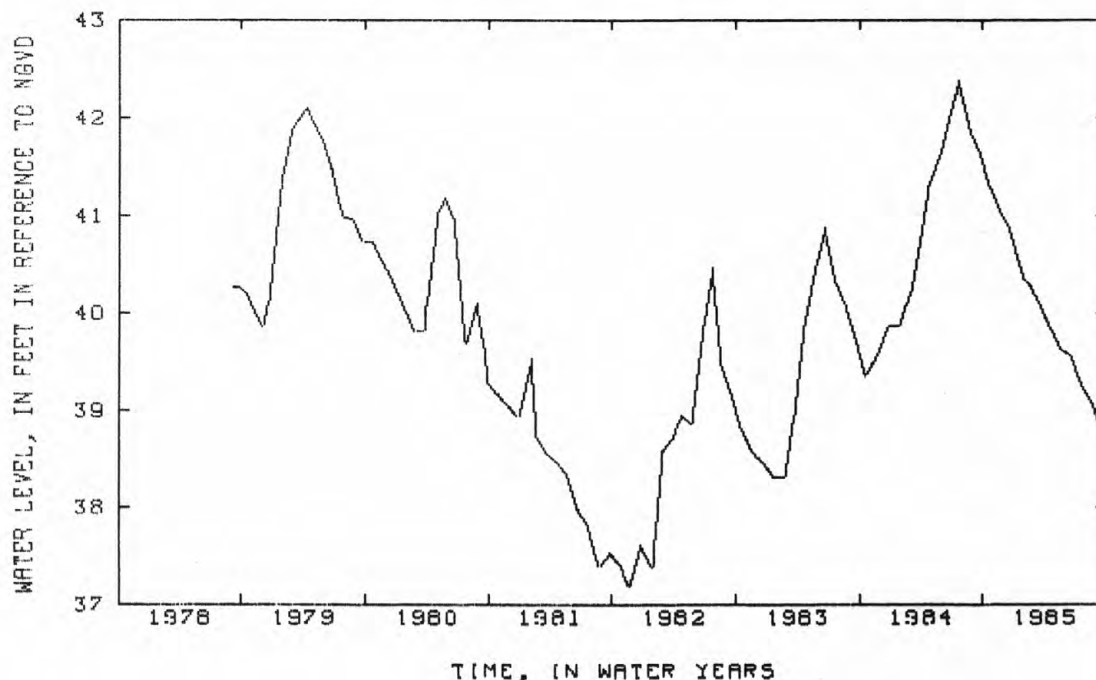
DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 21	2.66	MAR 26	2.65	JUL 1	2.85	SEP 16	3.00				

GROUND-WATER LEVELS
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.
 INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.
 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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	41.30	DEC 19	40.89	FEB 21	40.26	APR 22	39.81	JUN 21	39.55	AUG 21	39.06
NOV 26	41.02	FEB 1	40.34	MAR 20	40.09	MAY 20	39.61	JUL 25	39.23	SEP 25	38.73



GROUND-WATER LEVELS
SUFFOLK COUNTY--Continued

147

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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

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.

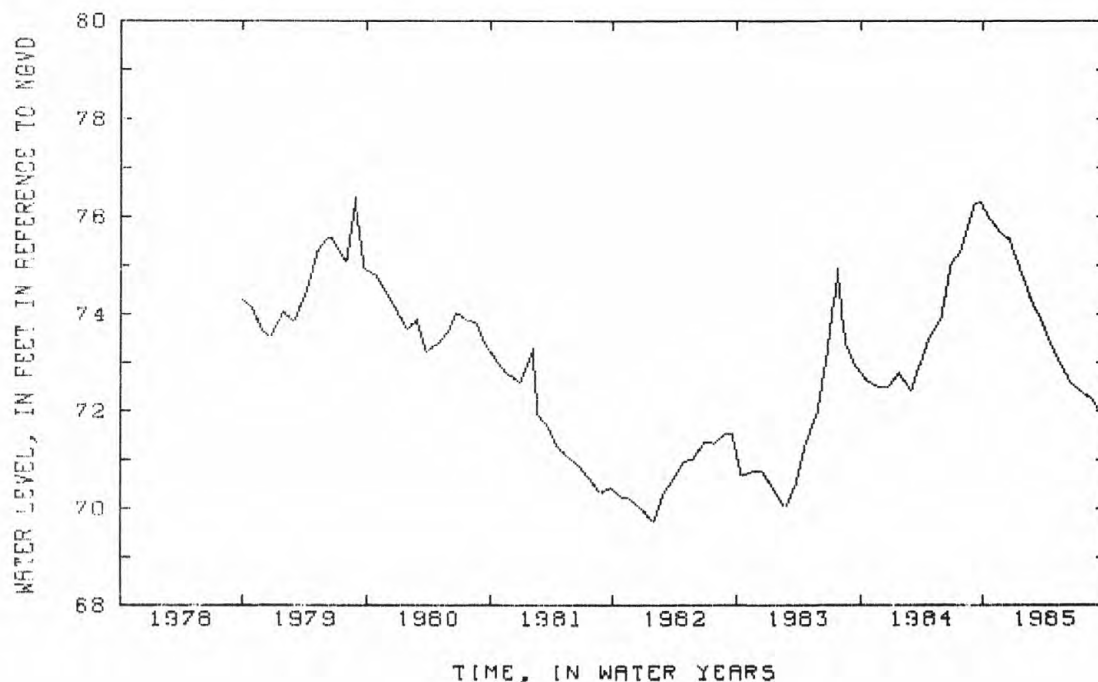
REMARKS.--Replaces well S 3514, September 1978, which has a period of record from May 1942 to September 1978.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	75.94	DEC 19	75.53	FEB 21	74.30	APR 22	73.35	JUN 21	72.57	AUG 21	72.24
NOV 26	75.65	FEB 1	74.66	MAR 20	73.93	MAY 20	72.94	JUL 25	72.38	SEP 25	71.83



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.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

DATUM.--Land-surface datum is 54 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.31 ft below 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, 23.00 ft NGVD, Nov. 10, 1981.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 9	26.81	MAR 28	25.86	JUL 8	25.33						

GROUND-WATER LEVELS
SUFFOLK COUNTY--Continued

404936072483501. Local number, S 65604.1

LOCATION.--Lat 40°49'36", long 72°48'35", Hydrologic Unit 02030202, at Chichester Avenue near Sunrise Highway, Manorville. Owner: U.S. Geological Survey.

AQUIFER.--Upper Glacial (water-table).

WELL CHARACTERISTICS.--Drilled observation well, diameter 2 in, depth 56 ft, screened 51 to 56 ft.

INSTRUMENTATION.--Measurement with chalked tape by USGS personnel.

DATUM.--Land-surface datum is 64.5 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.32 ft below land-surface datum.

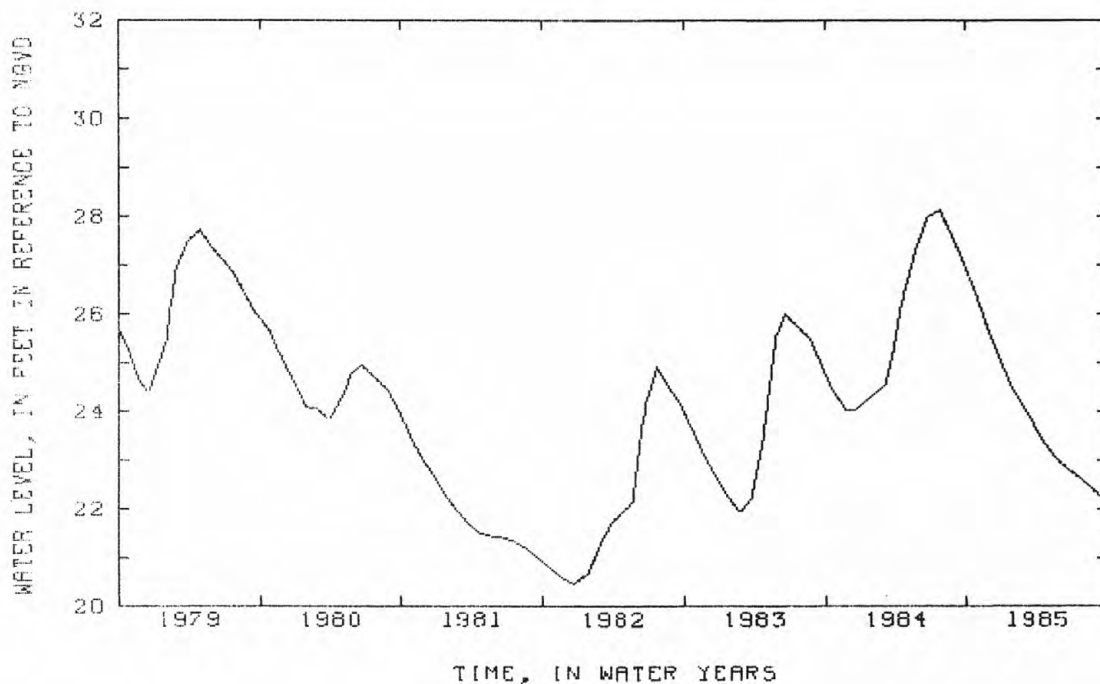
REMARKS.--Replaces well S 6439 in October 1978, which has a period of record from January 1949 to October 1978.

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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	26.47	DEC 19	25.28	FEB 21	24.18	APR 22	23.34	JUN 20	22.81	AUG 21	22.43
NOV 26	25.76	FEB 1	24.42	MAR 20	23.78	MAY 20	23.05	JUL 25	22.60	SEP 25	22.17



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.

INSTRUMENTATION.--Measurement with chalked tape by USGS and County personnel.

DATUM.--Land-surface datum is 37.3 ft National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.29 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 1984 TO SEPTEMBER 1985

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 26	4.83 G	MAR 6	4.30 G	MAR 28	4.08	JUN 11	3.64 G	JUL 11	3.60	SEP 6	3.46 G
JAN 9	4.65										

G MEASUREMENT BY ANOTHER AGENCY

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)
404224073424003	N 13	211MGTY	85-03-13	290	66	6.1	--	--	1
404411073413701	N 14	112GLCLU	85-05-20	103	335	6.2	1.0	--	120
404437073402302	N 17	211MGTY	84-12-13	470	229	6.0	1.0	--	68
		211MGTY	85-01-25	470	213	6.0	--	--	68
		211MGTY	85-02-25	470	273	6.0	--	--	72
		211MGTY	85-03-13	470	235	6.1	--	--	7
404650073440901	N 22	211MGTY	84-10-10	150	151	6.9	--	9.2	58
405110073430401	N 36	112PGGF	84-10-30	216	277	6.4	--	3.8	110
		112PGGF	85-01-29	216	290	6.6	--	--	100
405113073430201	N 37	112GLCLU	84-10-30	140	280	6.3	--	4.2	110
		112GLCLU	85-01-29	140	294	6.6	--	--	99
403535073352801	N 46	211LLYD	85-02-15	1266	50	6.1	--	5.1	9
		211LLYD	85-04-10	1266	51	--	1.0	--	1

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-AS 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 DIS-SOLVED (MG/L-AS SO4)	CHLORIDE, DIS-SOLVED (MG/L-AS Cl)	SILICA TOTAL (MG/L-SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L-AS N)
85-03-13	0.9	--	3.6	2.2	0.60	0.80	0.80	11	9.3	8.4	46	--
85-05-20	86	--	--	--	--	--	29	--	39	--	--	--
84-12-13	36	--	14	7.9	15	1.6	13	28	24	8.7	136	6.2
85-01-25	36	--	14	7.6	17	1.6	12	25	26	8.8	134	5.9
85-02-25	36	--	--	--	--	--	16	31	28	--	--	7.0
85-03-13	3	--	13	9.4	1.8	1.8	1.5	26	27	0.90	141	5.9
84-10-10	28	20	--	7.4	6.1	2.1	42	11	9.0	--	116	2.8
84-10-30	49	12	--	13	12	4.0	51	51	16	--	196	4.7
85-01-29	45	--	18	12	15	2.4	45	38	19	15.9	170	4.4
84-10-30	52	20	--	12	13	4.1	49	51	13	--	213	4.8
85-01-29	47	--	19	12	15	2.7	46	42	20	15.9	177	4.8
85-02-15	--	--	--	--	4.4	--	9.0	18	4.7	--	42	--
85-04-10	0.1	--	0.20	1.3	0.50	0.40	0.60	13	1.6	6.3	35	--

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)
85-03-13	0.002	--	100	--	--
85-05-20	--	--	--	--	--
84-12-13	0.002	60	--	--	--
85-01-25	0.003	60	--	--	--
85-02-25	--	--	--	--	--
85-03-13	0.007	60	--	--	--
84-10-10	--	--	40	--	--
84-10-30	--	90	360	--	30
85-01-29	--	130	1100	--	--
84-10-30	--	280	40	--	100
85-01-29	--	--	--	--	--
85-02-15	--	--	520	90	30
85-04-10	0.001	--	3800	100	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)		
403921073353201		N 68	211MGTY 211MGTY	85-01-28 85-02-26	510 510	-- 25	4.9 5.3	-- --	-- --	-- 2		
404139073383901		N 75	112GLCLU 112GLCLU	84-10-31 85-02-11	184 184	183 190	6.0 5.5	-- --	2.4 --	38 39		
404132073383301		N 76	112GLCLU 112GLCLU	84-11-27 85-02-11	196 196	142 137	5.2 5.1	2.0 --	-- --	26 35		
404256073370901		N 79	211MGTY 211MGTY	84-11-20 85-02-04	430 430	68 74	4.3 5.2	-- --	2.2 --	12 11		
404256073371501		N 80	211MGTY	85-04-23	483	74	6.2	2.0	--	0.5		
404306073371001		N 81	211MGTY 211MGTY 211MGTY	84-11-14 84-11-20 85-04-23	416 416 416	63 56 62	5.2 5.0 5.4	1.0 2.0 2.0	-- 1.6 --	11 10 1		
404308073370601		N 82	211MGTY 211MGTY	84-11-20 85-04-23	542 542	46 50	5.2 5.7	-- --	8.3 --	9 0.8		
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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)	SILICA TOTAL (MG/L- SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)
85-01-28	4	--	--	--	1.1	--	6.0	7.0	3.5	--	46	0.10
85-02-26	1	--	--	--	--	0.20	2.0	--	7.6	5.3	23	--
84-10-31	27	107	--	2.8	17	2.0	7.0	21	34	--	180	1.7
85-02-11	26	--	10	3.0	15	2.0	2.0	30	23	8.3	98	1.3
84-11-27	15	198	--	2.5	9.6	1.2	--	45	10	--	102	--
85-02-11	12	--	4.7	2.8	7.0	1.3	3.0	35	13	7.4	80	0.020
84-11-20	7	60	--	1.3	5.8	0.60	3.0	19	7.0	--	70	0.40
85-02-04	3	--	1.3	1.6	--	0.50	2.0	15	9.7	5.9	39	--
85-04-23	0.2	--	0.80	0.60	0.30	0.40	0.30	--	4.8	5.1	25	0.79
84-11-14	6	--	2.5	1.0	6.0	0.50	2.0	8.0	5.8	5.3	31	0.030
84-11-20	6	50	--	1.1	4.7	0.50	2.0	16	16	--	73	--
85-04-23	0.5	--	1.9	1.1	0.40	0.40	0.40	8.0	8.9	4.8	32	--
84-11-20	5	26	--	1.1	4.5	0.60	7.0	5.0	9.0	--	33	2.2
85-04-23	0.3	--	1.3	1.1	0.50	0.40	0.60	--	0.50	5.4	37	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)							
85-01-28	--	50	40	--	--							
85-02-26	--	50	290	--	--							
84-10-31	--	20	640	120	--							
85-02-11	--	--	640	--	--							
84-11-27	--	20	5500	290	--							
85-02-11	--	--	6800	230	--							
84-11-20	--	--	760	--	--							
85-02-04	0.002	--	860	--	--							
85-04-23	0.002	60	340	--	--							
84-11-14	0.001	--	590	--	--							
84-11-20	--	--	580	--	--							
85-04-23	0.001	--	590	--	--							
84-11-20	--	50	40	--	--							
85-04-23	0.002	120	150	--	--							

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
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 (US/CM)	PH (STAND- ARD UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	HARD- NESS (MG/L AS CACO3)
404307073371201		N 83	211MGTY	85-04-23	403	177	4.6	1.0	--	3
404352073383001		N 95	211MGTY	84-10-23	536	81	5.7	1.0	--	48
			211MGTY	85-04-05	536	74	5.7	--	--	1
			211MGTY	85-05-07	536	75	5.6	--	3.6	13
404448073381201		N 97	211MGTY	84-11-13	375	101	6.0	--	--	24
			211MGTY	85-03-29	375	102	5.9	--	--	2
404521073353426		N 101	211MGTY	84-11-26	341	139	6.0	--	--	29
			211MGTY	85-02-26	341	140	6.2	--	--	33
404553073383010		N 103	211MGTY	85-04-12	389	99	6.3	1.0	--	3
405244073350901		N 118	211LLYD	84-11-29	477	57	6.8	--	9.2	18
405244073352301		N 119	211LLYD	84-11-28	572	85	6.6	--	8.4	25
403952073342002		N 133	211MGTY	85-01-28	529	--	5.1	--	--	--
			211MGTY	85-03-15	529	25	5.5	--	--	0.3

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)
85-04-23	1	--	0.70	3.3	1.7	0.90	0.1	26	24	5.6	91	1.2
84-10-23	24	--	9.6	5.8	11	1.0	4.0	14	17	6.1	69	0.46
85-04-05	0.4	--	1.6	1.6	0.80	0.80	0.20	6.0	11	5.7	39	0.42
85-05-07	8	50	--	1.4	6.8	0.70	72	6.0	10	--	60	0.50
84-11-13	13	--	5.4	2.6	9.0	0.70	8.0	12	10	9.1	68	3.2
85-03-29	1	--	6.1	2.9	0.80	1.2	0.60	9.0	8.1	8.6	62	3.1
84-11-26	19	--	7.7	2.3	13	1.1	10	5.0	12	8.8	82	5.6
85-02-26	20	--	8.2	3.0	12	1.4	7.0	6.0	16	8.6	86	5.9
85-04-12	2	--	7.9	2.9	--	0.80	1.2	7.0	8.6	9.1	59	2.7
84-11-29	10	55	--	1.8	4.4	0.80	16	5.0	6.0	--	51	1.9
84-11-28	16	73	--	2.1	5.9	8.5	18	7.0	6.0	--	76	2.6
85-01-28	6	--	--	--	2.0	--	3.0	7.0	3.5	--	38	0.10
85-03-15	0.1	--	--	0.20	0.50	0.30	0.1	--	2.9	5.2	20	--

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)
85-04-23	0.010	60	320	--	--
84-10-23	--	--	100	--	--
85-04-05	0.001	--	--	--	--
85-05-07	--	40	20	--	--
84-11-13	0.004	--	160	--	--
85-03-29	0.006	--	--	--	--
84-11-26	0.002	--	--	--	--
85-02-26	--	--	--	--	--
85-04-12	0.001	--	--	--	--
84-11-29	--	20	30	--	30
84-11-28	--	120	80	--	110
85-01-28	--	--	60	--	--
85-03-15	0.002	60	450	--	--

QUALITY OF GROUND WATER

155

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)
403951073341601		N 134	211MGTY	85-03-15	528	24	5.3	--	--	0.2
404622073342001		N 152	211MGTY	85-05-22	484	--	6.2	1.0	--	0.9
404917073292902		N 198	211MGTY	85-04-24	616	--	6.1	--	8.9	7
404920073293101		N 199	211MGTY	85-04-08	611	59	6.1	--	--	1
			211MGTY	85-04-24	611	--	6.0	--	9.2	7
404922073292501		N 570	211MGTY	84-12-14	600	98	6.5	1.0	--	30
			211MGTY	85-04-08	600	118	6.7	--	--	2
405231073323101		N 585	112GLCLU	85-01-22	78	91	6.2	1.0	9.1	29
405308073300001		N 590	112PGFG	84-12-11	165	161	6.4	3.0	--	50
404452073265001		N 617	211MGTY	85-03-07	180	406	5.1	--	--	5
404534073393301		N 650	211MGTY	84-10-24	350	238	7.0	--	6.4	68

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-AS 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)
85-03-15	0.1	--	0.10	0.10	0.40	0.30	0.20	--	2.5	0.50	19	--
85-05-22	0.4	--	1.5	1.0	--	0.60	0.70	--	2.8	9.1	33	1.2
85-04-24	--	--	--	--	5.0	--	10	--	5.0	--	50	1.9
85-04-08	1	--	5.7	1.2	--	0.40	0.50	--	4.4	5.8	39	2.4
85-04-24	--	--	--	--	5.7	--	12	--	6.0	--	50	2.6
84-12-14	18	--	7.1	2.9	6.0	0.60	6.0	8.0	6.8	6.5	60	4.0
85-04-08	1	--	6.2	2.9	0.70	0.80	0.70	6.0	9.1	5.7	62	4.4
85-01-22	17	93	--	2.8	5.4	0.60	12	19	10	--	80	1.6
84-12-11	30	--	12	4.8	10	1.0	25	21	11	13.9	100	2.4
85-03-07	2	--	10	6.2	50	8.1	0.20	58	63	5.1	226	3.7
84-10-24	34	40	--	8.2	16	2.2	28	19	12	--	120	12

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)
85-03-15	0.002	--	190	--	--
85-05-22	0.002	--	110	--	--
85-04-24	--	10	--	--	30
85-04-08	0.004	--	--	--	--
85-04-24	--	10	--	--	10
84-12-14	0.003	--	70	--	--
85-04-08	0.003	--	--	--	--
85-01-22	--	60	60	--	60
84-12-11	0.003	80	160	--	--
85-03-07	0.016	100	--	580	--
84-10-24	--	50	40	--	20

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)
404534073393302	N 651	211MGTY	84-10-24	348	236	6.8	--	5.8	68
404743073444401	N 687	211LLYD	85-03-05	314	119	6.9	--	--	4
404229073424301	N 693	112GLCLU	84-12-13	98	430	6.2	--	--	110
		112GLCLU	85-02-25	98	434	6.0	1.0	--	120
		112GLCLU	85-03-13	98	420	6.2	1.0	--	11
404637073441101	N 700	112GLCLU	84-11-28	70	405	6.5	--	--	150
		112GLCLU	85-03-05	70	375	6.5	--	--	14
404453073323902	N 1197	112GLCLU	85-03-01	69	361	5.5	5.0	--	4
403850073423502	N 1346	112JMCO	85-03-06	141	--	5.9	3.0	--	25
		112JMCO	85-03-29	141	--	8.1	1.0	--	62
		112JMCO	85-05-28	141	123	5.8	7.0	--	3
404046073354601	N 1601	211MGTY	85-03-08	608	--	4.9	--	--	7

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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)	SILICA TOTAL (MG/L- SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)
84-10-24	34	37	--	8.3	14	2.2	29	18	13	--	138	12
85-03-05	2	--	9.7	5.8	0.30	0.70	4.2	9.0	7.1	9.2	100	--
84-12-13	74	--	29	7.7	34	3.6	23	57	56	11.9	247	7.4
85-02-25	92	--	--	--	--	--	29	58	48	--	--	8.8
85-03-13	7	--	31	8.5	3.5	3.8	2.6	52	49	12.8	243	7.8
84-11-28	84	--	33	15	15	2.1	70	46	34	15.1	221	3.8
85-03-05	6	--	2.6	18	1.3	1.9	6.5	41	8.1	15.1	179	3.7
85-03-01	3	--	12	1.9	4.2	6.5	0.60	55	39	10.5	177	0.94
85-03-06	--	--	--	--	9.3	--	22	15	16	--	80	0.010
85-03-29	--	--	--	--	10	--	49	14	17	--	112	0.030
85-05-28	1	--	4.5	0.030	1.0	1.3	1.4	11	17	8.6	72	0.010
85-03-08	--	--	--	--	5.3	--	9.0	11	7.0	--	31	--

DATE OF SAMPLE	NITROGEN, NITRATE 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)
84-10-24	--	40	30	--	20
85-03-05	--	50	70	--	--
84-12-13	0.001	--	--	--	--
85-02-25	--	--	--	--	--
85-03-13	0.005	--	60	--	--
84-11-28	0.013	--	--	--	--
85-03-05	0.008	50	90	--	--
85-03-01	0.009	--	310	370	--
85-03-06	--	10	4000	140	--
85-03-29	--	30	200	60	--
85-05-28	0.001	--	7500	--	--
85-03-08	--	40	1100	10	--

QUALITY OF GROUND WATER

157

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

NASSAU COUNTY--Continued

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

STATION	NUMBER	LOCAL IDENTIFIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)
404029073393703		N 1602	211MGTY	85-01-31	488	--	5.6	--	--	15
			211MGTY	85-02-08	488	44	6.3	--	--	6
404115073393301		N 1603	211MGTY	85-02-15	539	--	5.3	--	0.30	16
405231073363401		N 1651	211LLYD	85-05-14	470	117	6.1	--	9.1	34
404359073383201		N 1697	211MGTY	85-04-23	528	68	5.7	--	1.0	14
404908073410901		N 1715	211LLYD	84-12-10	490	78	6.6	1.0	--	23
			211LLYD	85-01-29	490	79	6.8	--	--	37
404911073411101		N 1716	211LLYD	85-04-10	483	69	6.4	1.0	--	2
404808073391001		N 1870	211MGTY	85-01-03	260	--	5.9	--	--	--
			211MGTY	85-01-15	260	--	6.1	--	--	--
			211MGTY	85-02-20	260	55	7.5	--	--	8
404409073271101		N 1937	211MGTY	85-02-22	150	110	4.9	--	--	12

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-AS 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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)	SILICA TOTAL (MG/L-SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)
85-01-31	--	--	--	--	4.8	--	10	8.0	5.5	--	29	--
85-02-08	1	--	0.30	0.90	4.0	0.60	3.0	12	4.8	6.9	29	--
85-02-15	--	--	--	--	6.8	--	6.0	11	12	--	68	--
85-05-14	20	143	--	3.3	7.6	0.70	19	7.0	9.0	--	115	4.3
85-04-23	8	109	--	1.5	6.8	0.70	--	3.0	15	--	68	1.4
84-12-10	11	--	4.4	2.8	5.0	0.70	23	--	3.6	11.8	51	0.74
85-01-29	20	--	8.0	4.1	7.0	0.80	21	9.0	5.1	12.3	62	0.62
85-04-10	1	--	5.6	2.6	--	0.60	2.2	--	3.4	11.6	49	0.76
85-01-03	14	--	--	--	6.2	--	8.0	--	7.9	--	46	2.6
85-01-15	16	--	--	--	3.2	--	8.0	--	6.0	--	38	2.9
85-02-20	3	--	1.2	1.2	--	0.40	7.0	--	4.0	6.5	33	2.4
85-02-22	3	--	1.1	2.3	7.0	0.90	2.0	--	14	6.2	59	4.5

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)
85-01-31	--	20	240	20	--
85-02-08	--	--	690	--	--
85-02-15	--	10	150	--	--
85-05-14	--	70	--	--	30
85-04-23	--	30	--	--	--
84-12-10	0.004	60	230	--	--
85-01-29	--	--	60	--	--
85-04-10	--	--	110	--	--
85-01-03	--	--	--	--	--
85-01-15	--	--	--	--	--
85-02-20	--	--	--	--	--
85-02-22	--	190	90	--	--

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STAND- ARD UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	HARD- NESS (MG/L AS CaCO3)		
404425073424801		N 1958	211LLYD 211LLYD	85-01-21 85-01-25	737 737	67 42	5.8 6.2	-- --	-- --	19 6		
404907073410901		N 2030	211MGTY 211MGTY	84-12-10 85-04-10	218 218	313 196	6.3 6.4	1.0 2.0	-- --	110 5		
404829073395301		N 2052	211MGTY 211MGTY 211MGTY	84-11-26 85-01-29 85-05-07	331 331 331	-- 131 96	6.2 6.3 6.2	1.0 -- 2.0	9.4 -- --	26 56 2		
404107073432801		N 2115	112GLCLU 112GLCLU 112GLCLU	84-12-13 85-02-07 85-02-25	85 85 85	137 409 409	5.8 6.4 6.0	2.0 4.0 1.0	-- -- --	41 39 90		
404138073384201		N 2239	112GLCLU 112GLCLU	84-10-12 85-02-11	178 178	181 183	5.2 5.2	1.0 --	0.40 --	32 36		
404708073383601		N 2400	211MGTY	85-01-03	444	--	5.9	--	--	--		
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)
85-01-21	12	--	--	--	--	--	15	7.0	2.0	--	--	0.20
85-01-25	3	--	1.4	0.50	4.0	0.40	7.0	9.0	1.9	6.3	28	0.010
84-12-10	67	--	27	10	16	3.7	42	68	16	18.9	203	3.9
85-04-10	2	--	10	6.6	1.1	1.3	3.4	14	13	11.4	102	4.7
84-11-26	--	--	--	--	6.5	--	16	5.0	8.0	--	76	4.0
85-01-29	29	--	11	6.6	10	1.1	16	11	12	10	92	4.5
85-05-07	1	--	1.6	2.8	0.50	0.80	1.3	--	6.9	8.5	55	2.6
84-12-13	17	--	6.9	5.0	8.0	0.90	11	29	14	10.2	84	--
85-02-07	14	--	5.7	5.8	36	5.4	31	41	60	9.8	201	4.2
85-02-25	78	--	--	--	--	--	36	44	56	--	--	5.0
84-10-12	20	52	--	3.0	14	4.0	5.0	57	19	--	83	1.4
85-02-11	21	--	8.3	3.2	14	2.3	5.0	30	19	7.6	96	1.2
85-01-03	18	--	--	--	4.7	--	7.0	--	7.4	--	58	3.4
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)							
85-01-21	--	--	--	--	--							
85-01-25	--	60	190	--	--							
84-12-10	0.003	--	60	100	--							
85-04-10	0.001	--	140	--	--							
84-11-26	--	70	--	--	--							
85-01-29	--	60	110	--	--							
85-05-07	0.001	50	180	--	--							
84-12-13	0.001	400	1900	70	--							
85-02-07	0.002	--	400	90	--							
85-02-25	--	--	--	--	--							
84-10-12	--	--	1000	150	--							
85-02-11	0.004	--	1400	100	--							
85-01-03	--	60	--	--	--							

QUALITY OF GROUND WATER

159

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)
404124073420901	N 2413	211MGTY	85-02-07	514	150	6.2	--	--	78
		211MGTY	85-02-25	514	149	5.8	1.0	--	30
404434073394001	N 2565	211MGTY	84-11-20	410	225	6.2	--	5.5	79
404323073314504	N 2580	211MGTY	84-10-18	357	166	5.7	1.0	7.6	45
		211MGTY	85-01-10	357	169	5.6	--	6.8	41
404516073343401	N 2602	211LLYD	85-05-20	805	31	6.3	1.0	--	0.7
403955073361501	N 2613	211MGTY	84-11-21	505	44	4.9	--	--	5
405252073292801	N 2920	211LLYD	84-12-20	515	54	6.1	--	6.3	15
404412073384701	N 3185	211MGTY	84-12-07	468	134	6.5	2.0	--	19
		211MGTY	85-03-29	468	181	5.9	--	--	4
404818073434601	N 3443	211LLYD	85-03-05	471	255	6.7	--	--	10

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L AS 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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)	SILICA TOTAL (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)
85-02-07	53	--	21	5.9	--	5.5	8.0	28	4.8	9.0	83	--
85-02-25	14	--	--	--	--	--	7.0	24	10	--	--	--
84-11-20	40	35	--	9.4	13	1.4	22	22	21	--	225	14
84-10-18	--	--	--	--	12	--	7.0	--	18	--	147	13
85-01-10	--	--	--	--	6.2	--	34	5.0	18	--	111	9.8
85-05-20	0.3	--	1.4	0.90	--	0.60	0.90	5.0	3.6	5.6	26	0.060
84-11-21	2	--	0.80	0.40	4.0	0.30	2.0	6.0	1.4	5.8	21	--
84-12-20	9	48	--	1.5	4.2	0.70	16	2.0	9.0	--	34	0.80
84-12-07	12	--	5.0	1.6	14	0.70	34	8.0	8.0	7.3	82	3.9
85-03-29	2	--	10	4.3	1.6	1.8	1.1	15	21	8.9	105	4.4
85-03-05	4	--	18	14	6.8	1.0	4.9	29	4.6	15.1	130	2.6

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)
85-02-07	--	--	430	--	--
85-02-25	--	--	--	--	--
84-11-20	--	170	50	--	--
84-10-18	--	500	--	--	--
85-01-10	--	20	--	--	--
85-05-20	--	--	--	--	--
84-11-21	0.003	--	990	--	--
84-12-20	--	--	--	--	--
84-12-07	0.004	--	120	--	--
85-03-29	0.003	--	--	--	--
85-03-05	--	--	--	--	--

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)		
404302073332504		N 3456	211MGTY	85-01-04	560	113	6.2	--	--	23		
			211MGTY	85-01-04	560	101	6.6	--	6.9	34		
			211MGTY	85-03-04	560	126	5.7	--	--	1		
404310073331601		N 3457	211MGTY	84-11-26	325	244	5.5	2.0	--	60		
			211MGTY	85-01-04	325	255	5.5	--	7.5	79		
			211MGTY	85-04-30	325	287	--	--	--	7		
404305073333104		N 3465	211MGTY	85-01-04	585	112	5.8	--	8.6	11		
			211MGTY	85-03-04	585	42	5.8	--	--	0.3		
			211MGTY	85-04-11	585	41	6.3	--	--	0.8		
404847073344001		N 3474	211MGTY	85-04-10	517	--	6.1	--	8.9	7		
404850073344501		N 3475	211MGTY	85-04-24	487	--	6.4	--	10.1	18		
404248073402301		N 3603	211MGTY	84-11-30	498	62	6.2	1.0	--	11		
			211MGTY	85-01-11	498	71	6.0	--	--	14		
404247073402301		N 3604	211MGTY	84-11-30	498	56	6.1	--	--	10		
DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-AS 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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)	SILICA TOTAL (MG/L-SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)
85-01-04	13	--	5.4	2.3	12	1.4	3.0	--	14	6.6	64	3.3
85-01-04	--	--	--	--	4.1	--	18	8.0	12	--	65	2.5
85-03-04	1	--	5.1	1.6	0.50	0.60	0.20	8.0	13	6.3	63	4.8
84-11-26	38	--	15	5.1	18	1.1	4.0	31	15	7.5	130	7.6
85-01-04	--	--	--	--	10	--	8.0	52	28	--	182	8.9
85-04-30	4	--	16	7.1	1.8	1.6	0.30	47	26	7.4	130	0.11
85-01-04	--	--	--	--	2.2	--	5.0	5.0	9.9	--	35	2.2
85-03-04	0.2	--	0.90	--	--	--	0.30	--	2.4	5.4	28	2.0
85-04-11	0.5	--	0.20	0.60	--	0.40	0.40	--	3.2	4.9	29	1.6
85-04-10	--	--	--	--	4.6	--	12	--	6.0	--	23	1.3
85-04-24	--	--	--	--	6.1	--	21	--	7.0	--	50	2.1
84-11-30	4	--	1.6	1.6	--	0.50	7.0	--	4.6	8.2	41	2.8
85-01-11	6	--	2.6	1.7	6.0	0.40	6.0	7.0	6.4	8.1	49	2.8
84-11-30	5	--	2.0	1.1	--	0.70	18	--	2.7	8.5	43	2.0
DATE OF SAMPLE	NITROGEN, NITRATE 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)							
85-01-04	--	--	--	--	--							
85-01-04	--	40	--	--	--							
85-03-04	0.002	50	--	--	--							
84-11-26	0.006	--	--	--	--							
85-01-04	--	30	--	--	--							
85-04-30	0.004	90	80	--	--							
85-01-04	--	20	60	--	--							
85-03-04	0.002	--	--	--	--							
85-04-11	0.002	--	--	--	--							
85-04-10	--	10	--	--	10							
85-04-24	--	10	--	--	10							
84-11-30	0.004	50	50	--	--							
85-01-11	0.002	50	150	--	--							
84-11-30	0.004	--	--	--	--							

QUALITY OF GROUND WATER

161

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)
404340073314701	N 3618	211MGTY	85-01-08	420	85	5.5	--	--	15
		211MGTY	85-02-21	420	44	5.5	--	8.2	8
404150073373201	N 3668	211MGTY	84-11-14	505	38	5.5	1.0	--	6
		211MGTY	84-11-20	505	38	5.1	--	3.0	5
		211MGTY	85-02-04	505	41	5.4	--	--	5
404459073402401	N 3672	211MGTY	84-11-08	452	206	7.1	--	5.0	56
		211MGTY	84-12-19	452	206	7.1	--	--	57
404502073402401	N 3673	211MGTY	84-11-08	434	134	6.4	--	6.5	35
403536073394401	N 3687	211LLYD	85-01-24	1251	48	5.9	--	--	10
404132073383302	N 3704	112GLCLU	84-10-31	159	181	5.3	--	4.7	43
		112GLCLU	85-04-22	159	183	5.2	1.0	--	4
404113073403901	N 3720	211MGTY	85-01-21	521	77	5.6	1.0	--	12
		211MGTY	85-03-13	521	64	5.9	1.0	--	1

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-AS 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 DIS-SOLVED (MG/L-AS SO4)	CHLORIDE, DIS-SOLVED (MG/L-AS Cl)	SILICA TOTAL (MG/L-SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITROGEN NITRATE TOTAL (MG/L-AS N)
85-01-08	8	--	3.2	1.7	--	1.2	4.0	--	2.5	5.5	34	2.
85-02-21	--	--	--	--	2.6	--	4.0	6.0	7.5	--	38	2.
84-11-14	2	--	1.0	0.60	5.0	0.50	4.0	--	4.7	5.3	25	0.
84-11-20	2	36	--	0.60	4.3	0.50	3.0	9.0	11	--	52	0.
85-02-04	1	--	--	0.80	--	0.30	5.0	8.0	5.6	5.4	27	--
84-11-08	25	47	--	7.6	18	1.3	59	16	16	--	157	4.
84-12-19	27	--	10	7.3	19	1.0	50	15	10	12.6	121	3.
84-11-08	17	71	--	4.3	10	1.0	21	14	14	--	116	4.
85-01-24	2	--	0.70	0.40	9.0	0.90	10	13	2.7	7.1	44	--
84-10-31	30	126	--	3.2	12	2.3	4.0	48	28	--	180	1.
85-04-22	3	--	12	3.2	1.0	2.1	0.50	38	19	7.8	105	1.
85-01-21	8	--	--	--	--	--	19	14	9.0	--	--	0.
85-03-13	0.2	--	0.90	1.7	0.70	0.70	0.80	11	10	7.8	45	--

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)
85-01-08	--	100	--	--	--
85-02-21	--	--	--	--	--
84-11-14	--	--	550	--	--
84-11-20	--	--	570	--	--
85-02-04	0.001	--	660	--	--
84-11-08	--	--	--	--	20
84-12-19	--	--	60	--	--
84-11-08	--	140	40	--	--
85-01-24	0.003	60	3600	--	--
84-10-31	--	20	1100	100	--
85-04-22	0.001	--	990	110	--
85-01-21	--	--	--	--	--
85-03-13	0.007	70	220	--	--

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)
404048073354701	N 3722	1126LCLU	84-11-21	81	213	5.7	--	--	51
404628073383101	N 3733	211MGTY	84-11-29	455	52	6.4	1.0	--	11
404109073374901	N 3745	211MGTY	85-05-17	597	28	5.3	1.0	--	0.2
404048073354501	N 3832	211MGTY	84-11-21	95	298	5.5	--	--	71
404353073291201	N 3876	211MGTY	85-05-15	386	107	6.9	1.0	--	0.7
404624073323301	N 3878	211MGTY	85-03-14	428	83	6.3	--	10.8	19
404321073402101	N 3881	211MGTY	85-01-07	470	115	6.1	--	--	27
		211MGTY	85-05-28	470	116	5.8	--	5.1	34
404403073370901	N 3934	211MGTY	85-05-01	422	199	5.6	--	--	4
		211MGTY	85-05-14	422	185	5.5	--	5.0	45
404401073370501	N 3935	211MGTY	85-04-05	415	145	5.5	--	--	2

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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)	SILICA TOTAL (MG/L- SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)
84-11-21	41	--	16	2.5	16	2.0	11	30	25	7.8	126	4.0
84-11-29	6	--	2.4	1.1	--	0.50	1.0	--	2.3	8.1	35	1.4
85-05-17	0.1	--	--	0.20	0.40	0.60	0.40	--	3.1	5.2	21	0.04
84-11-21	54	--	21	4.1	26	4.2	9.0	43	38	7.3	175	5.5
85-05-15	0.5	--	2.1	0.40	1.5	--	0.50	11	5.5	6.4	65	4.7
85-03-14	12	50	--	1.6	7.0	0.70	6.0	2.0	10	--	62	4.4
85-01-07	13	--	5.4	3.3	6.0	1.3	11	--	11	8.8	81	7.5
85-05-28	19	60	--	3.6	7.5	0.70	10	4.0	12	--	80	5.6
85-05-01	2	--	9.2	4.8	1.5	1.6	0.50	27	24	6.8	112	4.4
85-05-14	25	86	--	4.7	14	1.3	5.0	32	22	--	160	4.2
85-04-05	1	--	5.4	2.6	1.6	0.90	0.40	9.0	20	6.4	81	3.7

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)
84-11-21	0.006	90	60	530	--
84-11-29	--	--	--	--	--
85-05-17	--	--	360	--	--
84-11-21	0.008	140	--	360	--
85-05-15	0.001	160	230	--	--
85-03-14	--	160	20	--	20
85-01-07	--	--	--	--	--
85-05-28	--	--	20	--	--
85-05-01	0.003	--	120	--	--
85-05-14	--	20	--	--	30
85-04-05	0.001	--	130	--	--

QUALITY OF GROUND WATER

163

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STAND- ARD UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	HARD- NESS (MG/L AS CACO3)		
404001073401901		N 3937	211MGTY	84-11-21	464	50	5.6	--	--	9		
			211MGTY	85-02-01	464	--	5.5	--	0.1	12		
			211MGTY	85-02-08	464	51	5.5	--	--	7		
404626073323101		N 3953	211MGTY	85-02-22	419	249	5.6	1.0	--	50		
			211MGTY	85-03-14	419	214	5.4	--	10.1	50		
404307073275101		N 4043	211MGTY	85-02-13	374	43	4.6	--	--	2		
404323073413801		N 4077	112GLCLU	84-11-30	90	87	6.6	1.0	--	10		
			112GLCLU	85-04-29	90	271	6.4	1.0	--	76		
404525073373201		N 4082	211MGTY	84-12-07	467	86	6.0	1.0	--	5		
404636073280701		N 4095	211MGTY	85-01-23	495	47	6.2	--	--	4		
			211MGTY	85-05-24	495	35	5.9	1.0	--	0.6		
404631073293901		N 4097	211MGTY	85-05-24	470	135	5.4	--	--	3		
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)
84-11-21	4	--	1.6	0.80	5.0	0.50	2.0	9.0	2.4	6.8	27	--
85-02-01	--	--	--	--	5.3	--	9.0	11	6.0	--	38	--
85-02-08	1	--	--	1.0	5.0	0.50	3.0	13	1.4	6.6	30	--
85-02-22	36	--	14	3.0	20	1.4	6.0	24	24	7.1	119	4.6
85-03-14	36	7.0	--	3.3	19	1.4	3.0	26	24	--	154	9.4
85-02-13	1	--	--	--	--	--	1.0	7.0	8.0	4.8	32	--
84-11-30	6	--	2.6	0.90	4.0	1.5	16	5.0	5.0	4.9	41	1.6
85-04-29	46	--	--	--	--	--	17	--	57	--	--	--
84-12-07	3	--	1.1	0.60	--	0.40	6.0	--	2.0	7.6	31	1.7
85-01-23	3	--	1.4	0.10	4.0	0.30	7.0	--	3.1	5.1	30	1.5
85-05-24	0.2	--	0.90	0.010	0.40	0.50	0.30	--	2.7	4.4	27	1.4
85-05-24	1	--	7.3	--	0.50	0.90	0.30	--	11	5.4	93	0.12
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)							
84-11-21	0.003	--	790	60	--							
85-02-01	--	50	670	60	--							
85-02-08	--	80	820	--	--							
85-02-22	--	310	490	--	--							
85-03-14	--	260	190	--	30							
85-02-13	0.001	--	150	--	--							
84-11-30	--	110	70	--	--							
85-04-29	--	--	--	--	--							
84-12-07	0.003	--	--	--	--							
85-01-23	0.001	--	160	--	--							
85-05-24	0.002	--	60	--	--							
85-05-24	0.003	--	--	--	--							

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)			
404129073384401	N 4118	112GLCLU	84-11-27	204	171	5.2	4.0	--	36			
		112GLCLU	85-04-22	204	188	5.2	2.0	--	3			
403941073364201	N 4132	211MGTY	85-02-12	626	62	6.3	20	--	1			
404855073404701	N 4223	112GLCLU	84-11-26	326	--	6.4	--	3.8	62			
		112GLCLU	84-12-20	326	196	6.4	--	--	77			
		112GLCLU	85-01-29	326	197	6.5	--	--	70			
404736073321201	N 4245	211MGTY	85-04-08	571	112	5.9	--	--	2			
		211MGTY	85-04-10	571	--	5.8	--	9.1	22			
404755073372401	N 4265	211MGTY	85-01-08	490	--	5.8	--	--	--			
404322073413901	N 4298	211MGTY	85-05-20	390	254	6.2	2.0	--	60			
		211MGTY	85-05-30	390	208	--	--	--	4			
404621073392301	N 4327	211MGTY	84-11-29	430	153	6.1	--	--	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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	SILICA TOTAL (MG/L- SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)
84-11-27	26	195	--	2.6	14	2.0	1.0	49	15	--	123	0.50
85-04-22	2	--	9.6	2.7	1.2	2.1	0.20	41	19	6.5	99	0.44
85-02-12	1	--	3.9	0.10	0.60	0.50	1.5	--	8.7	4.1	41	--
84-11-26	--	--	--	--	8.8	--	38	11	13	--	120	4.0
84-12-20	36	--	14	10	7.0	1.4	36	16	13	16.5	129	6.5
85-01-29	38	--	15	7.8	12	1.3	35	18	14	15.8	128	5.1
85-04-08	1	--	6.1	3.2	0.70	1.1	1.8	--	0.90	1.0	61	1.9
85-04-10	--	--	--	--	7.7	--	21	--	10	--	52	3.7
85-01-08	4	--	--	--	2.8	--	2.0	--	3.0	--	20	0.40
85-05-20	36	--	--	--	--	--	18	--	28	--	--	--
85-05-30	2	--	11	4.5	1.8	0.02	1.7	21	28	10.4	127	4.6
84-11-29	21	--	8.5	5.4	3.0	1.0	17	8.0	9.5	10	78	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)							
84-11-27	--	30	1300	130	--							
85-04-22	0.001	--	1400	130	--							
85-02-12	0.002	190	3400	50	--							
84-11-26	--	320	--	--	20							
84-12-20	0.003	290	--	--	--							
85-01-29	--	270	--	--	--							
85-04-08	0.004	--	--	--	--							
85-04-10	--	20	--	--	20							
85-01-08	--	110	--	--	--							
85-05-20	--	--	--	--	--							
85-05-30	--	--	620	--	--							
84-11-29	--	--	--	--	--							

QUALITY OF GROUND WATER

165

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)
404652073440101		N 4388	211MGTY	84-11-28	145	294	6.6	2.0	--	100
			211MGTY	84-11-29	145	285	6.8	--	--	110
			211MGTY	84-12-06	145	304	7.2	1.0	--	120
405056073410903		N 4389	112GLCLU	84-10-30	228	209	6.5	--	2.1	81
			112GLCLU	85-01-29	228	236	6.7	--	--	74
404514073412402		N 4390	211MGTY	85-01-21	301	360	6.2	1.0	--	96
			211MGTY	85-01-25	301	341	6.3	--	--	97
			211MGTY	85-02-07	301	334	6.2	--	--	69
403929073412401		N 4393	211MGTY	85-03-12	477	40	5.9	1.0	--	0.5
			211MGTY	85-03-22	477	--	5.9	--	--	7
405221073300701		N 4400	211MGTY	84-12-05	302	78	6.7	1.0	--	30
			211MGTY	85-01-15	302	84	6.7	--	4.9	28
			211MGTY	85-04-25	302	96	6.6	--	--	2

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)
84-11-28	53	--	21	12	9.0	1.6	45	32	23	14.5	156	3.3
84-11-29	58	--	23	11	5.0	1.4	48	34	26	14.6	158	2.9
84-12-06	70	--	28	11	8.0	1.7	53	37	28	14.8	248	3.1
84-10-30	46	20	--	8.7	7.9	2.8	57	36	6.0	--	161	1.9
85-01-29	40	--	16	8.1	14	1.3	35	39	10	14.6	145	4.6
85-01-21	61	--	--	--	--	--	54	33	42	--	--	4.4
85-01-25	49	--	19	11	23	2.2	43	30	43	16.3	189	3.7
85-02-07	21	--	8.6	11	19	2.1	50	32	44	16.1	179	3.2
85-03-12	0.1	--	0.30	0.60	0.50	0.60	0.70	--	7.1	6.3	30	--
85-03-22	--	--	--	--	3.6	--	10	5.0	4.0	--	26	--
84-12-05	18	--	7.4	2.8	--	0.70	27	--	2.9	14.5	61	1.8
85-01-15	16	35	--	2.8	5.7	0.90	26	5.0	8.0	--	50	1.5
85-04-25	1	--	6.1	2.8	0.70	0.80	3.0	--	6.9	13.6	68	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)
84-11-28	--	--	--	--	--
84-11-29	0.002	--	60	--	--
84-12-06	0.003	--	130	--	--
84-10-30	--	--	30	--	--
85-01-29	--	--	100	--	--
85-01-21	--	--	--	--	--
85-01-25	0.002	--	80	--	--
85-02-07	0.001	--	--	--	--
85-03-12	0.002	--	760	--	--
85-03-22	--	10	180	10	--
84-12-05	0.004	--	110	--	--
85-01-15	--	20	--	--	--
85-04-25	0.004	50	90	--	--

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)		
404301073371401		N 4425	211MGTY	84-11-14	365	93	5.3	1.0	--	18		
			211MGTY	84-11-20	365	78	4.8	--	0.80	21		
			211MGTY	85-02-04	365	92	5.4	--	--	18		
404311073332701		N 4447	211MGTY	85-01-04	335	230	5.2	--	6.8	72		
404306073332901		N 4448	211MGTY	85-01-04	555	86	5.8	--	8.2	7		
			211MGTY	85-04-11	555	26	5.9	1.0	--	0.4		
404323073314601		N 4450	211MGTY	85-01-08	472	92	5.6	--	--	20		
			211MGTY	85-02-15	472	77	5.5	--	7.3	17		
404429073305502		N 4451	211MGTY	85-02-21	408	93	5.5	--	9.7	16		
			211MGTY	85-04-16	408	88	5.5	2.0	--	1		
404154073261801		N 4602	211MGTY	85-05-01	450	35	4.9	--	--	0.2		
404722073394801		N 4623	211MGTY	85-01-08	503	--	6.4	--	--	--		
404207073345501		N 4756	211MGTY	85-01-08	312	85	8.4	1.0	8.6	30		
DATE OF SAMPLE	HARDNESS CARBONATE (MG/L AS 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 AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)
84-11-14	11	--	4.4	1.3	7.0	0.60	1.0	15	10	6.0	48	0.40
84-11-20	13	51	--	1.8	6.5	0.70	2.0	21	8.0	--	86	0.20
85-02-04	6	--	2.5	2.1	4.0	0.70	5.0	16	11	6.0	49	0.29
85-01-04	--	--	--	--	9.8	--	6.0	38	28	--	167	8.5
85-01-04	--	--	--	--	8.0	--	7.0	5.0	5.3	--	17	0.66
85-04-11	0.1	--	0.60	0.50	--	0.30	0.60	--	1.9	4.9	23	0.56
85-01-08	11	--	4.5	2.2	6.0	1.4	2.0	--	12	5.5	55	3.7
85-02-15	--	--	--	--	5.4	--	5.0	5.0	16	--	68	4.5
85-02-21	--	--	--	--	6.3	--	4.0	5.0	13	--	67	5.2
85-04-16	0.9	--	3.5	1.5	0.90	0.50	0.30	--	8.8	0.50	57	4.9
85-05-01	0.1	--	0.10	--	--	0.30	0.20	6.0	3.9	4.7	20	0.04
85-01-08	24	--	--	--	9.2	--	7.0	--	7.4	--	48	3.2
85-01-08	--	--	--	--	8.7	--	31	6.0	8.0	--	47	0.23
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)							
84-11-14	0.004	--	830	--	--							
84-11-20	--	--	670	--	20							
85-02-04	0.003	--	1900	--	--							
85-01-04	--	30	40	--	--							
85-01-04	--	--	--	--	--							
85-04-11	0.003	--	170	--	--							
85-01-08	--	--	--	--	--							
85-02-15	--	130	--	--	--							
85-02-21	--	--	--	--	--							
85-04-16	0.002	--	--	--	--							
85-05-01	0.002	80	550	--	--							
85-01-08	--	--	--	--	--							
85-01-08	--	--	60	--	--							

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)		
404209073345501		N 4757	211MGTY	85-01-04	324	27	6.0	--	--	14		
			211MGTY	85-01-07	324	31	5.7	--	8.3	5		
404209073345001		N 4758	211MGTY	85-01-07	446	26	5.8	--	8.8	4		
			211MGTY	85-01-15	446	34	5.9	--	--	2		
404206073344802		N 4759	211MGTY	85-01-08	360	41	5.4	4.0	4.5	3		
405108073312001		N 4760	112GLCLU	84-12-28	247	--	6.1	--	8.6	30		
405010073414201		N 4859	112PGGF	84-12-20	385	143	6.9	1.0	--	42		
			112PGGF	85-04-17	385	140	6.8	--	--	5		
405011073414701		N 4860	112GLCLU	84-12-20	93	254	6.3	--	--	78		
404552073342001		N 5007	211MGTY	85-02-26	259	216	5.9	--	--	52		
403956073410401		N 5121	211MGTY	85-03-29	547	--	5.7	--	0.1	14		
404034073431201		N 5145	211MGTY	85-03-08	465	--	5.8	--	0.30	64		
DATE OF SAMPLE	HARDNESS CARBONATE (MG/L AS 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 AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C NITRATE DIS-SOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)
85-01-04	7	--	2.8	1.6	4.0	1.1	3.0	--	2.0	5.4	24	0.39
85-01-07	--	--	--	--	2.9	--	9.0	6.0	6.9	--	27	0.26
85-01-07	--	--	--	--	1.6	--	7.0	5.0	8.0	--	27	0.16
85-01-15	1	--	0.40	--	8.0	0.30	5.0	--	2.6	5.2	25	0.15
85-01-08	--	--	--	--	4.7	--	4.0	8.0	8.2	--	14	--
84-12-28	--	--	--	--	9.0	--	22	26	11	--	73	3.1
84-12-20	22	--	9.0	4.6	11	1.4	59	7.0	3.1	15.9	88	0.060
85-04-17	2	--	9.5	6.3	0.80	1.4	4.5	--	4.2	14.5	77	--
84-12-20	45	--	18	7.9	16	1.5	30	32	26	13.8	151	3.9
85-02-26	33	--	13	4.5	17	1.3	10	14	27	7.5	133	9.4
85-03-29	--	--	--	--	5.7	--	8.0	14	6.5	--	47	--
85-03-08	--	--	--	--	9.0	--	12	63	11	--	171	--
DATE OF SAMPLE	NITROGEN, NITRATE 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)							
85-01-04	--	--	--	--	--							
85-01-07	--	--	--	--	--							
85-01-07	--	--	60	--	--							
85-01-15	0.002	--	--	--	--							
85-01-08	--	--	520	--	--							
84-12-28	--	30	20	--	10							
84-12-20	0.004	--	370	400	--							
85-04-17	--	--	410	340	--							
84-12-20	0.003	60	--	--	--							
85-02-26	--	--	--	--	--							
85-03-29	--	40	310	30	--							
85-03-08	--	10	1200	40	--							

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)
405325073351401	N 5152	112PGGF	84-11-29	360	125	6.8	--	8.4	44
404237073420401	N 5155	112GLCLU 112GLCLU	85-05-20 85-05-30	90 90	260 233	7.2 --	1.0 1.0	-- --	76 6
404239073420201	N 5156	211MGTY 211MGTY 211MGTY 211MGTY	84-11-30 85-01-25 85-02-25 85-04-19	336 336 336 336	165 165 221 159	6.4 5.8 6.0 5.9	2.0 1.0 2.0 2.0	-- -- -- --	37 43 48 4
404402073385901	N 5163	211MGTY	85-01-07	480	138	6.0	--	--	32
404041073343802	N 5187	211MGTY	85-03-07	501	--	5.6	--	0.20	6
403932073382001	N 5193	211MGTY	85-02-25	555	37	5.1	--	--	2
403924073392201	N 5194	211MGTY	85-02-25	520	28	5.6	--	--	2
403924073391901	N 5195	211MGTY	85-02-25	340	25	5.3	--	--	2

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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)	SILICA TOTAL (MG/L- SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)
84-11-29	25	73	--	4.5	8.2	1.4	25	11	11	--	102	5.2
85-05-20	52	--	--	--	--	--	22	--	22	--	--	--
85-05-30	4	--	17	4.2	1.6	2.5	1.6	31	25	10.6	142	5.6
84-11-30	21	--	8.3	4.0	6.0	0.70	16	20	18	11.3	89	2.2
85-01-25	25	--	10	4.2	12	1.0	10	23	17	10.9	95	2.2
85-02-25	26	--	--	--	--	--	16	26	20	--	--	2.6
85-04-19	2	--	9.5	4.3	0.90	0.01	1.0	21	15	9.6	87	2.4
85-01-07	19	--	7.8	3.0	9.0	1.4	11	6.0	19	7.5	79	4.1
85-03-07	--	--	--	--	2.8	--	18	3.0	3.0	--	19	--
85-02-25	1	--	--	--	6.0	0.30	1.0	--	3.4	5.3	22	0.10
85-02-25	1	--	--	--	5.0	0.30	4.0	--	2.1	5.4	21	0.030
85-02-25	1	--	--	--	5.0	0.30	1.0	--	2.3	5.5	19	0.010

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)
84-11-29	--	40	60	--	--
85-05-20	--	--	--	--	--
85-05-30	--	110	--	--	--
84-11-30	--	70	60	--	--
85-01-25	0.001	--	80	--	--
85-02-25	--	--	--	--	--
85-04-19	0.001	--	--	--	--
85-01-07	--	--	--	--	--
85-03-07	--	40	340	--	--
85-02-25	--	50	490	--	--
85-02-25	--	--	270	--	--
85-02-25	--	--	240	--	--

QUALITY OF GROUND WATER

169

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)
404941073403001	N 5209	112GLCLU	84-11-26	300	--	6.4	--	9.1	94
		112GLCLU	85-01-29	300	305	6.4	--	--	98
403532073353401	N 5227	211LLYD	85-02-15	1265	48	6.0	--	2.7	8
		211LLYD	85-03-14	1265	57	5.9	2.0	--	0.7
404135073383701	N 5260	211MGTY	84-11-27	519	50	5.9	--	--	9
		211MGTY	85-04-22	519	51	5.6	2.0	--	0.8
404246073314301	N 5302	211MGTY	84-10-18	489	34	5.5	4.0	5.0	8
		211MGTY	85-01-04	489	27	5.6	--	--	19
		211MGTY	85-02-15	489	28	5.5	--	6.0	3
404155073345001	N 5318	211MGTY	85-01-07	315	47	5.8	--	7.2	9
404155073344801	N 5320	211MGTY	84-11-26	384	25	6.1	1.0	--	5
		211MGTY	85-01-07	384	30	5.7	--	8.1	10
		211MGTY	85-05-03	384	24	6.1	--	--	0.3

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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE DIS-SOLVED (MG/L AS Cl)	SILICA TOTAL (MG/L- SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)
84-11-26	--	--	--	--	19	--	32	35	41	--	200	2.3
85-01-29	46	--	18	12	21	2.5	28	37	44	17.2	182	2.5
85-02-15	--	--	--	--	2.7	--	12	20	4.8	--	43	--
85-03-14	0.1	--	--	0.20	0.80	0.70	0.60	14	1.6	6.7	38	--
84-11-27	5	96	--	0.90	5.9	0.60	5.0	14	3.0	--	44	--
85-04-22	0.3	--	1.1	0.90	--	0.50	0.40	9.0	4.6	6.3	29	--
84-10-18	--	--	--	--	1.6	--	8.0	--	6.1	--	23	0.11
85-01-04	7	--	2.8	2.9	--	1.1	6.0	--	4.0	5.4	25	0.27
85-02-15	--	--	--	--	1.8	--	6.0	6.0	6.1	--	22	0.31
85-01-07	--	--	--	--	1.2	--	7.0	7.0	5.9	--	30	0.15
84-11-26	2	--	1.0	0.50	--	0.30	5.0	--	3.6	5.4	22	0.12
85-01-07	--	--	--	--	1.0	--	9.0	5.0	5.5	--	29	0.12
85-05-03	0.1	--	0.20	0.50	0.40	0.30	0.60	--	0.30	4.8	23	0.22

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)
84-11-26	--	20	--	--	--
85-01-29	--	--	--	--	--
85-02-15	--	--	--	--	--
85-03-14	0.004	--	3100	60	--
84-11-27	--	20	950	50	--
85-04-22	0.001	--	1100	70	--
84-10-18	--	60	--	--	--
85-01-04	--	--	--	--	--
85-02-15	--	--	--	--	--
85-01-07	--	--	260	--	--
84-11-26	0.001	--	--	--	--
85-01-07	--	--	40	--	--
85-05-03	--	--	--	--	--

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)
404245073320201	N 5321	211MGTY	85-01-04	514	57	5.3	--	3.0	4
		211MGTY	85-01-15	514	46	5.4	--	--	2
		211MGTY	85-02-06	514	63	5.6	--	--	3
404243073315802	N 5322	211MGTY	84-11-14	515	42	6.3	--	--	12
		211MGTY	85-01-04	515	94	7.5	--	8.8	29
		211MGTY	85-05-03	515	31	--	--	--	0.6
404441073320801	N 5336	211MGTY	84-12-14	528	26	5.2	--	7.1	5
404232073360501	N 5457	112GLCLU	85-01-11	52	217	5.8	--	--	60
404419073364304	N 5484	211MGTY	85-02-15	575	52	5.9	3.0	7.9	15
		211MGTY	85-04-16	575	62	5.7	1.0	--	1
		211MGTY	85-05-01	575	66	5.7	--	--	1
404423073365503	N 5485	211MGTY	85-01-10	557	143	6.5	--	8.5	40
		211MGTY	85-04-30	557	131	5.9	1.0	--	3
		211MGTY	85-05-01	557	140	--	1.0	--	3

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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)	SILICA TOTAL (MG/L- SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)
85-01-04	--	--	--	--	1.8	--	6.0	6.0	12	--	19	0.060
85-01-15	1	--	0.30	--	8.0	0.30	4.0	--	5.8	5.1	33	--
85-02-06	1	--	0.20	0.40	--	0.30	3.0	10	3.5	5.2	25	--
84-11-14	9	--	3.7	0.60	5.0	0.40	5.0	--	10	5.5	36	0.44
85-01-04	--	--	--	--	4.5	--	36	6.0	11	--	75	2.0
85-05-03	0.4	--	1.6	0.40	0.50	0.40	0.70	--	3.3	4.9	26	0.29
84-12-14	3	113	--	0.40	2.8	0.30	4.0	5.0	3.0	--	15	1.1
85-01-11	49	--	19	2.8	17	1.9	9.0	38	26	5.5	131	3.1
85-02-15	--	--	--	--	3.3	--	8.0	5.0	9.9	--	47	2.5
85-04-16	0.5	--	0.20	1.8	0.40	0.70	0.70	--	0.60	5.5	42	2.7
85-05-01	0.6	--	2.4	1.4	0.30	0.70	0.80	--	7.9	5.7	46	3.4
85-01-10	--	--	--	--	13	--	11	5.0	17	--	94	7.7
85-04-30	1	--	5.9	3.8	0.60	0.01	1.0	--	15	7.8	90	8.7
85-05-01	1	--	6.9	0.040	0.60	0.01	1.2	--	12	0.80	90	8.8

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)
85-01-04	--	20	120	--	--
85-01-15	0.001	--	--	--	--
85-02-06	0.002	--	60	--	--
84-11-14	0.001	--	220	--	--
85-01-04	--	30	--	--	--
85-05-03	--	--	--	--	--
84-12-14	--	20	60	--	--
85-01-11	0.003	--	140	--	--
85-02-15	--	--	--	--	--
85-04-16	--	--	70	--	--
85-05-01	0.002	70	180	--	--
85-01-10	--	--	80	--	--
85-04-30	0.006	--	--	--	--
85-05-01	0.006	70	140	--	--

QUALITY OF GROUND WATER

171

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STAND- ARD UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	HARD- NESS (MG/L AS CACO3)		
404453073372501		N 5596	211MGTY	85-03-29	468	92	5.9	1.0	--	2		
404517073402301		N 5603	211MGTY 211MGTY	84-12-12 84-12-19	420 420	154 172	5.4 6.5	-- --	4.5 --	53 56		
404112073371601		N 5653	211MGTY 211MGTY 211MGTY	84-11-21 85-01-09 85-02-15	581 581 581	31 32 --	5.3 5.4 5.4	1.0 1.0 --	-- -- 0.40	4 13 7		
404541073333501		N 5655	211MGTY	85-02-27	260	164	5.5	--	--	32		
403948073392901		N 5656	211MGTY 211MGTY	84-11-21 85-01-25	500 500	67 --	5.4 5.5	1.0 --	-- --	4 11		
403923073354301		N 5695	211MGTY	85-01-28	529	--	4.8	--	--	--		
403946073341601		N 5696	211MGTY	85-02-26	523	29	5.4	--	--	2		
404154073261803		N 5703	211MGTY	85-05-01	459	35	4.7	1.0	--	0.2		
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)
85-03-29	1	--	5.8	2.3	0.60	1.1	0.90	--	9.8	6.8	62	4.4
84-12-12	26	117	--	6.6	7.9	1.1	15	10	23	--	106	4.2
84-12-19	27	--	11	6.8	7.0	1.1	20	9.0	27	10	101	3.7
84-11-21	2	--	0.80	0.50	4.0	0.40	5.0	--	2.4	5.3	21	0.040
85-01-09	7	--	2.9	1.4	6.0	1.3	3.0	5.0	4.0	5.4	29	0.13
85-02-15	--	--	--	--	4.0	--	16	5.0	5.0	--	78	0.020
85-02-27	21	--	8.5	2.6	9.0	0.70	8.0	--	21	7.2	95	8.1
84-11-21	2	--	0.80	0.50	5.0	0.40	3.0	6.0	4.4	5.8	22	--
85-01-25	--	--	--	--	4.8	--	8.0	5.0	4.5	--	26	--
85-01-28	4	--	--	--	1.1	--	5.0	7.0	3.5	--	42	0.10
85-02-26	1	--	--	--	4.0	0.1	1.0	--	3.0	5.3	19	--
85-05-01	0.1	--	--	--	--	0.30	0.1	--	4.8	4.6	19	--
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)							
85-03-29	0.002	--	--	--	--							
84-12-12	--	70	--	--	20							
84-12-19	0.001	100	--	--	--							
84-11-21	0.008	--	230	--	--							
85-01-09	--	90	240	--	--							
85-02-15	--	20	200	20	--							
85-02-27	0.001	130	150	--	--							
84-11-21	--	--	100	--	--							
85-01-25	--	20	80	--	--							
85-01-28	--	90	--	--	--							
85-02-26	--	--	220	--	--							
85-05-01	0.002	50	510	--	--							

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)
404559073414901	N 5710	211MGTY	85-02-19	390	--	7.3	--	6.3	100
405129073361501	N 5762	211MGTY	84-12-17	283	--	6.3	--	9.2	78
		211MGTY	85-01-30	283	137	6.5	--	--	43
405014073373601	N 5792	112GLCLU	85-02-22	300	186	7.2	--	--	65
404808073374601	N 5852	211MGTY	85-01-03	487	--	6.4	--	--	--
		211MGTY	85-02-20	487	71	7.2	--	--	16
404858073411501	N 5876	112GLCLU	85-04-17	243	175	6.6	1.0	--	4
404756073425801	N 5884	211MGTY	85-03-05	163	354	6.6	--	--	9
404645073390501	N 5947	211MGTY	84-11-29	370	192	6.1	1.0	--	56
		211MGTY	85-04-12	370	99	6.1	--	--	3
404651073291301	N 6077	211MGTY	85-05-24	465	48	5.6	--	--	1
404537073284801	N 6078	211MGTY	85-05-15	280	257	6.2	2.0	--	7

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L AS 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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)	SILICA TOTAL (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)
85-02-19	--	--	--	--	8.5	--	52	13	18	--	140	2.4
84-12-17	--	--	--	--	7.9	--	31	20	10	--	68	4.0
85-01-30	26	--	10	3.7	10	0.90	18	16	9.2	12.4	90	3.6
85-02-22	40	--	--	--	--	--	39	24	16	--	--	4.7
85-01-03	18	--	--	--	5.5	--	10	--	6.9	--	44	2.6
85-02-20	7	--	3.0	2.1	3.0	0.40	8.0	5.0	7.7	6.9	38	2.4
85-04-17	2	--	9.2	5.7	1.1	1.1	3.0	11	15	12.8	99	3.0
85-03-05	4	--	1.6	13	3.0	1.5	4.8	24	18	1.4	157	2.2
84-11-29	29	--	11	6.5	10	1.1	20	16	20	10.7	108	4.3
85-04-12	2	--	8.7	2.9	--	0.01	2.1	14	8.4	9.4	83	5.1
85-05-24	0.5	--	0.20	1.1	--	0.50	0.40	--	0.50	4.9	36	2.6
85-05-15	4	--	18	7.3	1.5	1.5	0.60	17	14	7.2	156	16

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)
85-02-19	--	30	--	--	30
84-12-17	--	--	440	--	20
85-01-30	--	--	710	--	--
85-02-22	--	--	--	--	--
85-01-03	--	--	--	--	--
85-02-20	--	--	--	--	--
85-04-17	0.002	--	60	--	--
85-03-05	--	50	70	--	--
84-11-29	--	--	--	--	--
85-04-12	0.004	--	190	--	--
85-05-24	0.004	--	90	--	--
85-05-15	0.001	470	90	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STAND- ARD UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	HARD- NESS (MG/L AS CaCO3)		
405010073414401		N 6087	112GLCLU 112GLCLU	84-12-20 85-04-10	95 95	258 275	6.5 6.4	-- --	-- --	100 7		
404908073275101		N 6092	211MGTY 211MGTY	85-03-05 85-04-24	637 637	24 --	5.7 5.7	1.0 --	-- 6.9	0.2 3		
404908073275102		N 6093	211MGTY 211MGTY 211MGTY	84-12-14 85-04-08 85-04-10	612 612 612	43 80 --	5.5 5.7 5.2	-- -- --	-- -- 9.9	20 1 3		
404004073392201		N 6146	211MGTY 211MGTY 211MGTY	84-11-21 85-01-09 85-01-25	503 503 503	30 41 --	5.4 5.5 5.4	-- -- --	-- -- --	5 14 17		
404218073273301		N 6148	211MGTY	85-02-13	566	33	4.8	--	--	2		
404246073290301		N 6150	211MGTY	85-02-13	612	281	5.3	--	--	2		
404707073305301		N 6190	211MGTY	84-12-14	605	112	5.7	--	7.4	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, NITRAT TOTAL (MG/L AS N)
84-12-20	62	--	25	9.1	13	1.8	48	30	28	15.0	166	3.1
85-04-10	4	--	16	7.5	1.3	1.6	4.5	26	27	13.8	137	3.2
85-03-05	0.1	--	--	--	--	--	0.20	--	3.3	0.50	18	0.0
85-04-24	--	--	--	--	2.5	--	13	--	3.0	--	50	0.6
84-12-14	10	--	4.0	2.4	3.0	0.70	4.0	--	2.4	4.9	33	1.9
85-04-08	1	--	4.2	0.60	--	0.50	0.40	--	3.8	4.6	41	3.7
85-04-10	--	--	--	--	3.7	--	7.0	--	5.0	--	15	0.9
84-11-21	2	--	0.90	0.60	5.0	0.40	3.0	8.0	2.4	6.6	25	--
85-01-09	8	--	3.1	1.5	6.0	1.3	2.0	7.0	4.0	6.6	31	0.0
85-01-25	--	--	--	--	4.2	--	8.0	8.0	4.5	--	40	--
85-02-13	1	--	--	0.10	--	0.1	1.0	5.0	2.8	5.0	21	--
85-02-13	1	--	--	--	--	--	4.0	--	2.2	5.1	18	--
84-12-14	18	75	--	2.9	8.3	0.80	4.0	5.0	16	--	74	8.9
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)							
84-12-20	0.003	--	120	--	--							
85-04-10	--	50	70	--	--							
85-03-05	0.001	70	70	--	--							
85-04-24	--	30	--	--	10							
84-12-14	0.003	60	--	--	--							
85-04-08	0.004	70	--	--	--							
85-04-10	--	30	50	--	10							
84-11-21	--	--	180	--	--							
85-01-09	--	--	260	--	--							
85-01-25	--	20	190	20	--							
85-02-13	0.001	--	290	--	--							
85-02-13	0.002	--	250	--	--							
84-12-14	--	260	40	--	--							

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)
404706073305201	N 6191	211MGTY	84-12-14	555	264	5.9	--	7.1	82
404123073285003	N 6442	211MGTY	85-01-28	612	29	5.1	--	--	2
404123073285002	N 6443	211MGTY	85-05-01	268	62	5.9	--	--	0.6
405034073353701	N 6444	211MGTY	84-11-05	257	--	7.4	3.0	7.3	64
		211MGTY	84-11-05	257	--	7.4	3.0	7.3	64
403533073401101	N 6450	211LLYD	85-01-24	1280	82	5.8	1.0	--	11
404630073293801	N 6580	211MGTY	84-12-07	601	89	5.8	--	--	2
		211MGTY	85-01-23	601	59	5.7	--	--	2
404409073271301	N 6644	211MGTY	85-02-22	227	84	5.2	--	--	7
		211MGTY	85-03-25	227	73	5.0	--	5.4	12
404757073315401	N 6651	211MGTY	84-12-14	615	108	5.9	1.0	--	32
		211MGTY	85-04-10	615	--	5.8	--	8.4	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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)	SILICA TOTAL (MG/L- SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)
84-12-14	49	115	--	8.0	18	1.7	6.0	31	35	--	189	12
85-01-28	1	--	--	--	5.0	0.20	2.0	5.0	3.8	5.3	21	--
85-05-01	0.3	--	1.2	0.50	0.60	0.50	0.80	11	0.60	5.3	36	--
84-11-05	--	--	--	--	9.3	--	25	--	11	--	--	1.9
84-11-05	--	--	--	--	9.3	--	25	--	11	--	--	1.9
85-01-24	2	--	0.80	0.60	10	1.0	8.0	15	5.8	7.3	49	--
84-12-07	2	--	0.70	--	--	0.30	3.0	--	4.0	5.5	54	0.81
85-01-23	1	--	0.50	--	4.0	0.1	5.0	--	1.4	5.3	23	0.85
85-02-22	3	--	1.1	1.0	7.0	0.80	3.0	--	8.4	5.3	47	3.7
85-03-25	7	115	--	1.4	7.5	0.90	3.0	--	11	--	61	4.3
84-12-14	17	--	6.7	3.6	8.0	0.80	15	6.0	6.9	10.1	71	4.3
85-04-10	--	--	--	--	7.4	--	18	--	9.0	--	48	2.8

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)
84-12-14	--	1300	70	20	--
85-01-28	0.001	--	300	--	--
85-05-01	0.002	220	380	--	--
84-11-05	0.010	10	860	20	50
84-11-05	0.010	10	860	20	50
85-01-24	0.008	60	3800	--	--
84-12-07	0.006	80	70	--	--
85-01-23	0.002	60	--	--	--
85-02-22	--	--	140	--	--
85-03-25	--	40	30	--	20
84-12-14	0.003	--	70	--	--
85-04-10	--	30	--	--	10

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)			
403634073255101	N 6657	211MGTY	85-05-09	294	--	5.8	4.0	10.4	2			
404238073420501	N 6744	112GLCLU 112GLCLU	84-12-20 85-05-20	94 94	327 310	6.9 7.0	9.0 2.0	-- --	61 74			
404311073302502	N 6745	211MGTY 211MGTY 211MGTY 211MGTY	84-11-30 85-01-25 85-02-07 85-02-25	349 349 349 349	152 165 168 18	6.1 5.8 6.0 6.0	2.0 1.0 1.0 2.0	-- -- -- --	42 46 48 72			
403931073381701	N 6817	211MGTY	85-05-17	563	67	4.9	5.0	--	0.3			
404537073333502	N 6819	211MGTY	85-02-27	270	169	5.7	--	--	34			
404445073332601	N 6848	211MGTY	85-05-10	104	245	--	2.0	--	6			
404041073283601	N 6866	211MGTY	85-01-28	626	23	5.6	--	--	2			
404046073354501	N 6893	211MGTY 211MGTY	85-01-09 85-03-28	565 565	47 --	4.8 4.9	-- --	-- 0.1	15 12			
DATE OF SAMPLE	HARDNESS CARBONATE (MG/L AS 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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)	SILICA TOTAL (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)
85-05-09	--	--	--	--	11	--	27	13	12	--	27	4.2
84-12-20	45	--	18	3.7	41	1.9	44	37	38	11.2	201	4.9
85-05-20	56	--	--	--	--	--	42	--	25	--	--	--
84-11-30	24	--	9.5	4.4	5.0	0.70	14	21	19	10.8	93	3.0
85-01-25	27	--	11	4.5	13	0.90	12	21	17	10.9	100	3.0
85-02-07	25	--	10	4.8	7.0	0.90	13	27	16	10.6	91	3.4
85-02-25	32	--	--	--	--	--	11	26	21	--	--	3.1
85-05-17	0.1	--	0.50	0.20	0.50	0.60	0.1	9.0	7.8	5.3	40	0.020
85-02-27	22	--	9.0	2.8	9.0	0.90	7.0	--	22	6.8	96	8.0
85-05-10	5	--	21	2.6	1.4	3.7	1.3	34	18	5.5	153	9.7
85-01-28	1	--	--	--	5.0	0.1	3.0	--	3.2	5.2	21	--
85-01-09	7	--	2.9	1.5	6.0	1.3	3.0	7.0	4.7	5.3	32	0.13
85-03-28	--	--	--	--	4.6	--	18	9.0	5.0	--	30	--
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)							
85-05-09	0.030	350	--	10	40							
84-12-20	--	50	380	--	--							
85-05-20	--	--	--	--	--							
84-11-30	0.003	70	--	--	--							
85-01-25	0.002	70	140	--	--							
85-02-07	--	--	100	--	--							
85-02-25	--	--	--	--	--							
85-05-17	--	--	560	--	--							
85-02-27	0.003	120	--	--	--							
85-05-10	0.031	--	2000	--	--							
85-01-28	0.002	60	600	--	--							
85-01-09	--	50	850	--	--							
85-03-28	--	40	790	10	--							

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)
404400073283201		N 6915	211MGTY	85-04-10	516	43	5.8	--	--	1
404358073283102		N 6916	211MGTY	85-02-01	613	31	6.0	--	--	3
404547073401103		N 6945	211MGTY	84-10-10	406	184	6.7	--	4.7	63
			211MGTY	84-12-19	406	206	6.3	1.0	--	71
			211MGTY	85-05-31	406	206	6.2	1.0	--	6
405143073280801		N 6953	211MGTY	84-12-17	153	--	6.8	--	9.4	2
404557073270501		N 6956	211MGTY	84-12-07	602	54	5.6	1.0	--	2
			211MGTY	85-01-23	602	52	5.8	--	--	2
			211MGTY	85-05-24	602	41	5.4	1.0	--	0.7
404418073361702		N 6994	211MGTY	85-01-11	270	155	5.3	--	--	26
405154073332701		N 7047	211MGTY	85-05-17	264	153	--	1.0	--	5
404319073400001		N 7058	211MGTY	85-01-07	445	110	6.0	--	--	21

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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)	SILICA TOTAL (MG/L- SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)
85-04-10	1	--	0.40	0.20	--	--	0.80	--	4.8	4.5	28	0.010
85-02-01	1	--	--	0.50	6.0	0.30	2.0	5.0	4.6	5.3	27	0.92
84-10-10	28	25	--	8.4	9.0	2.0	31	21	17	--	156	4.9
84-12-19	34	--	13	8.9	10	1.1	31	21	20	17.4	130	4.1
85-05-31	3	--	12	8.6	10	1.5	3.0	15	18	14.3	125	6.0
84-12-17	--	--	--	--	--	--	8.0	--	3.0	--	10	0.82
84-12-07	1	--	--	0.20	--	0.30	3.0	--	4.7	5.2	23	1.3
85-01-23	1	--	0.60	--	4.0	0.20	3.0	--	2.9	5.0	24	1.0
85-05-24	0.3	--	1.1	0.90	--	0.50	0.30	--	5.1	4.6	30	1.6
85-01-11	16	--	6.5	2.4	17	1.7	1.0	7.0	20	7.1	91	6.5
85-05-17	3	--	12	5.1	0.70	1.5	1.3	26	4.2	10.3	92	3.8
85-01-07	14	--	5.6	1.7	6.0	1.3	10	5.0	8.6	9.9	65	4.7

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)
85-04-10	--	--	100	--	--
85-02-01	0.002	--	170	--	--
84-10-10	--	--	--	--	30
84-12-19	0.001	--	--	--	--
85-05-31	0.001	--	140	--	--
84-12-17	--	--	--	--	--
84-12-07	0.004	--	--	--	--
85-01-23	0.001	--	--	--	--
85-05-24	0.004	--	300	--	--
85-01-11	0.002	--	120	--	--
85-05-17	0.001	260	460	--	--
85-01-07	--	50	--	--	--

QUALITY OF GROUND WATER

177

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)		
404339073304401		N 7076	211MGTY	85-01-04	674	32	5.9	1.0	--	13		
			211MGTY	85-02-21	674	20	5.8	--	8.4	3		
404832073372203		N 7104	211MGTY	85-01-03	436	--	6.4	--	--	--		
			211MGTY	85-02-20	436	53	7.1	--	--	9		
404213073405801		N 7117	211MGTY	84-11-30	491	53	5.9	2.0	--	7		
			211MGTY	85-01-11	491	50	5.9	--	--	11		
404652073400703		N 7126	211MGTY	85-04-23	461	87	5.9	2.0	--	2		
405058073411102		N 7157	112GLCLU	84-10-30	243	189	6.4	--	1.6	74		
			112GLCLU	85-01-29	243	249	6.8	--	--	65		
404303073371403		N 7298	211MGTY	84-11-14	444	73	5.3	1.0	--	12		
			211MGTY	84-11-20	444	63	5.1	--	2.5	12		
			211MGTY	85-02-04	444	67	5.4	1.0	--	13		
404552073341603		N 7353	211MGTY	85-05-20	391	76	5.9	1.0	--	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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)	SILICA TOTAL (MG/L- SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)
85-01-04	7	--	2.7	1.6	--	1.2	4.0	--	4.0	5.1	22	0.16
85-02-21	--	--	--	--	1.5	--	6.0	5.0	7.1	--	25	0.10
85-01-03	14	--	--	--	4.7	--	11	--	5.0	--	58	1.4
85-02-20	4	--	1.6	1.1	--	0.40	10	--	4.1	6.8	31	1.4
84-11-30	2	--	1.0	1.1	--	0.40	6.0	7.0	3.6	8.0	32	0.84
85-01-11	5	--	2.2	1.1	9.0	0.40	6.0	7.0	5.7	7.6	40	0.59
85-04-23	1	--	0.40	2.9	0.50	0.60	1.9	--	6.3	9.2	55	2.4
84-10-30	42	34	--	7.7	7.3	2.4	53	29	11	--	138	1.4
85-01-29	37	--	14	6.8	18	0.80	45	37	11	14.8	134	4.0
84-11-14	6	--	2.6	1.2	6.0	0.60	3.0	6.0	8.0	5.7	36	0.68
84-11-20	6	40	--	1.5	6.0	0.70	3.0	16	8.0	--	57	0.70
85-02-04	4	--	1.6	1.9	--	0.60	9.0	10	11	5.6	42	0.54
85-05-20	1	--	4.1	1.2	0.60	0.60	0.80	--	7.9	7.8	54	3.7
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)							
85-01-04	--	--	--	--	--							
85-02-21	--	--	40	--	--							
85-01-03	--	--	--	--	--							
85-02-20	--	--	--	--	--							
84-11-30	0.004	--	150	--	--							
85-01-11	0.001	--	420	--	--							
85-04-23	0.002	150	60	--	--							
84-10-30	--	--	20	--	--							
85-01-29	--	--	--	--	--							
84-11-14	0.001	--	530	--	--							
84-11-20	--	--	390	--	20							
85-02-04	0.003	--	590	--	--							
85-05-20	--	--	--	--	--							

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)
404002073333213	N 7407	211MGTY	84-10-18	648	--	4.7	--	0.05	2
		211MGTY	84-12-12	648	26	5.0	--	--	9
404056073261101	N 7414	211MGTY	84-12-12	533	38	5.2	4.0	--	11
		211MGTY	85-04-04	533	--	5.3	3.0	--	--
		211MGTY	85-04-04	533	--	5.5	3.0	--	--
404557073270502	N 7421	211MGTY	84-12-07	564	79	5.1	1.0	--	12
		211MGTY	85-01-23	564	90	5.2	--	--	14
404513073412401	N 7445	211MGTY	85-01-21	453	116	6.3	1.0	--	31
		211MGTY	85-04-19	453	94	6.4	1.0	--	2
404848073344301	N 7446	211MGTY	85-03-05	498	79	6.5	--	--	1
404109073432901	N 7482	211MGTY	84-12-20	440	135	5.9	1.0	--	36
		211MGTY	85-01-21	440	154	5.8	1.0	--	40
		211MGTY	85-02-07	440	138	6.2	1.0	--	29

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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	SILICA TOTAL (MG/L- SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)
84-10-18	--	--	--	--	2.9	--	--	3.0	3.0	--	11	--
84-12-12	3	--	1.1	1.4	--	0.50	3.0	5.0	4.1	5.1	23	--
84-12-12	3	--	1.4	1.6	--	0.50	4.0	6.0	4.6	5.3	25	--
85-04-04	--	--	--	--	--	--	--	--	3.9	--	36	--
85-04-04	--	--	--	--	--	--	--	--	3.7	--	30	--
84-12-07	8	--	3.1	1.0	--	0.50	7.0	--	7.3	5.4	50	4.5
85-01-23	8	--	3.4	1.2	9.0	0.60	3.0	--	9.9	5.3	56	4.4
85-01-21	17	--	--	--	--	--	21	4.0	10	--	--	2.2
85-04-19	1	--	5.5	3.6	0.60	0.90	2.2	--	6.9	9.3	60	2.0
85-03-05	1	--	4.3	1.5	--	0.30	1.7	--	6.4	10.4	49	1.8
84-12-20	17	--	6.8	4.4	8.0	0.80	10	28	13	10.3	78	0.080
85-01-21	19	--	--	--	--	--	8.0	30	15	--	--	0.10
85-02-07	10	--	4.1	4.4	6.0	0.90	11	32	12	10.3	77	--

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)
84-10-18	--	10	400	--	10
84-12-12	0.003	100	420	--	--
84-12-12	0.001	--	330	--	--
85-04-04	--	--	--	--	--
85-04-04	--	--	--	--	--
84-12-07	0.003	--	--	--	--
85-01-23	--	--	--	--	--
85-01-21	--	--	--	--	--
85-04-19	0.001	--	--	--	--
85-03-05	--	50	190	--	--
84-12-20	0.003	--	330	90	--
85-01-21	--	--	--	--	--
85-02-07	--	--	280	--	--

QUALITY OF GROUND WATER

179

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)		
404536073410301		N 7512	211MGTY	84-10-17	380	172	6.3	--	6.6	56		
			211MGTY	84-12-19	380	170	6.4	1.0	--	62		
			211MGTY	85-05-31	380	180	6.2	2.0	--	5		
404652073372802		N 7513	211MGTY	85-05-01	475	45	5.8	--	--	0.4		
404337073271101		N 7515	211MGTY	85-05-07	352	58	4.5	1.0	--	0.5		
404337073271102		N 7516	211MGTY	85-02-13	589	29	4.9	--	--	2		
403948073392902		N 7521	211MGTY	84-12-14	560	32	5.5	--	--	11		
			211MGTY	85-04-04	560	--	5.5	--	--	14		
404004073391901		N 7522	211MGTY	85-03-12	565	30	5.3	1.0	--	0.2		
			211MGTY	85-03-22	565	--	5.2	--	--	8		
404010073425301		N 7548	211MGTY	85-02-01	516	--	5.8	--	--	32		
			211MGTY	85-02-08	516	105	6.2	1.0	--	17		
404738073353201		N 7549	211MGTY	85-05-22	504	24	6.2	3.0	--	0.4		
DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-AS 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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)	SILICA TOTAL (MG/L-SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)
84-10-17	25	25	--	7.7	8.3	2.1	51	21	12	--	150	4.3
84-12-19	29	--	11	8.1	8.0	1.1	35	17	11	13.8	108	3.5
85-05-31	2	--	10	7.8	0.90	1.4	3.0	14	13	12.8	108	4.4
85-05-01	0.1	--	1.2	0.60	--	0.40	0.50	--	5.7	5.9	34	2.2
85-05-07	0.1	--	0.50	0.50	0.60	0.70	0.1	8.0	5.5	4.7	46	4.3
85-02-13	1	--	--	--	--	--	2.0	--	2.2	5.0	17	--
84-12-14	4	--	1.8	1.5	4.0	0.50	2.0	6.0	4.0	5.6	25	0.080
85-04-04	--	--	--	--	3.8	--	8.0	5.0	3.0	--	33	--
85-03-12	0.1	--	--	--	0.40	0.50	0.20	--	6.8	5.7	24	--
85-03-22	--	--	--	--	3.8	--	7.0	5.0	4.0	--	24	--
85-02-01	--	--	--	--	7.0	--	15	27	7.5	--	75	--
85-02-08	2	--	0.70	3.6	6.0	0.80	9.0	28	3.4	8.4	57	--
85-05-22	0.1	--	0.20	0.70	--	0.40	0.50	--	0.40	5.1	20	0.23
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)							
84-10-17	--	--	--	--	--							
84-12-19	0.001	--	--	--	--							
85-05-31	0.001	--	80	--	--							
85-05-01	--	--	550	--	--							
85-05-07	--	--	680	--	--							
85-02-13	0.002	--	330	--	--							
84-12-14	0.003	70	320	--	--							
85-04-04	--	20	110	--	--							
85-03-12	0.001	60	270	--	--							
85-03-22	--	30	150	10	--							
85-02-01	--	20	350	20	--							
85-02-08	--	--	420	--	--							
85-05-22	0.002	--	--	--	--							

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)		
404656073394603		N 7551	211MGTY	84-12-10	473	135	6.4	1.0	--	40		
404649073394403		N 7552	211MGTY	84-12-10	458	172	6.4	--	--	54		
			211MGTY	85-01-29	458	183	6.3	--	--	84		
404455073324902		N 7561	211MGTY	84-11-29	551	80	5.7	1.0	--	12		
404639073311103		N 7562	211MGTY	85-05-14	550	28	6.1	1.0	--	0.2		
404531073415401		N 7593	211MGTY	84-12-14	473	144	6.1	--	--	35		
			211MGTY	85-03-05	473	108	6.2	1.0	--	2		
405148073335801		N 7620	211LLYD	84-12-11	480	46	5.6	--	8.4	11		
			211LLYD	85-04-29	480	55	--	1.0	--	1		
404345073412001		N 7649	211MGTY	85-03-13	210	277	6.1	--	--	8		
			211MGTY	85-04-19	210	290	5.9	4.0	--	5		
			211MGTY	85-04-29	210	298	6.2	2.0	--	86		
			211MGTY	85-04-29	210	320	7.4	2.0	--	94		
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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)	SILICA TOTAL (MG/L- SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)
84-12-10	21	--	8.5	4.6	9.0	0.80	16	11	15	9.6	83	3.2
84-12-10	28	--	11	6.3	12	0.80	19	11	17	9.7	107	4.7
85-01-29	51	--	20	8.0	13	1.7	18	12	18	10.1	121	6.0
84-11-29	7	--	2.9	1.1	--	0.50	6.0	--	7.7	6.6	49	4.1
85-05-14	0.1	--	0.10	0.20	0.40	0.40	0.30	--	2.2	5.0	23	0.96
84-12-14	19	--	7.7	3.8	6.0	0.70	10	11	5.5	9.2	69	4.2
85-03-05	1	--	0.60	2.6	--	0.1	1.0	9.0	1.2	9.3	57	4.0
84-12-11	7	45	--	1.0	5.6	0.50	17	3.0	5.0	--	15	0.60
85-04-29	0.7	--	2.7	0.80	0.60	0.50	2.1	--	4.2	6.5	40	0.28
85-03-13	5	--	21	8.0	2.0	1.8	1.5	38	31	12.7	171	6.2
85-04-19	2	--	10	7.3	1.6	1.8	1.6	38	29	11.1	126	8.3
85-04-29	62	--	--	--	--	--	22	--	31	--	--	--
85-04-29	56	--	--	--	--	--	39	--	33	--	--	--
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)							
84-12-10	0.002	--	100	--	--							
84-12-10	0.004	--	--	--	--							
85-01-29	--	--	60	--	--							
84-11-29	--	50	--	--	--							
85-05-14	--	310	320	--	--							
84-12-14	0.004	--	--	--	--							
85-03-05	--	--	530	--	--							
84-12-11	--	40	--	--	--							
85-04-29	0.001	--	70	--	--							
85-03-13	0.005	50	--	--	--							
85-04-19	0.003	--	70	--	--							
85-04-29	--	--	--	--	--							
85-04-29	--	--	--	--	--							

QUALITY OF GROUND WATER

181

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)		
404345073411901		N 7650	211MGTY	85-05-30	445	134	6.2	--	--	3		
			211MGTY	85-06-17	445	139	7.6	--	--	57		
			211MGTY	85-06-17	445	136	6.3	--	--	48		
405204073345401		N 7665	112GLCLU	84-12-05	375	125	6.3	1.0	--	42		
404236073395401		N 7720	211MGTY	84-10-12	511	54	5.6	--	5.0	11		
404517073333901		N 7732	211MGTY	85-05-10	108	339	5.7	5.0	--	6		
404526073353401		N 7785	211MGTY	84-11-26	404	104	6.5	1.0	--	22		
			211MGTY	85-02-26	404	106	5.9	1.0	--	25		
			211MGTY	85-05-20	404	103	5.8	1.0	--	2		
403949073341706		N 7796	211MGTY	85-01-28	590	--	5.0	--	--	--		
			211MGTY	85-03-15	590	28	5.8	--	--	0.2		
404310073331602		N 7797	211MGTY	85-01-04	550	77	5.9	2.0	7.3	15		
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)
85-05-30	1	--	6.7	4.2	0.90	1.2	1.1	6.0	13	8.2	78	4.9
85-06-17	29	--	--	--	--	--	33	--	11	--	--	--
85-06-17	33	--	--	--	--	--	21	--	9.0	--	--	--
84-12-05	25	--	9.9	4.1	--	0.70	14	18	5.3	11.5	75	3.2
84-10-12	6	21	--	1.3	4.4	0.80	6.0	3.0	8.0	--	37	2.3
85-05-10	4	--	16	4.5	3.8	2.9	1.4	31	43	9.9	206	0.11
84-11-26	15	--	6.0	1.7	8.0	0.70	10	--	10	9.6	66	4.1
85-02-26	15	--	6.1	2.4	5.0	1.0	9.0	8.0	11	9.0	71	5.1
85-05-20	1	--	6.1	2.4	0.60	1.1	0.70	5.0	9.4	9.0	64	4.6
85-01-28	4	--	--	--	1.6	--	6.0	8.0	3.0	--	14	0.10
85-03-15	0.1	--	--	0.20	0.40	0.40	0.20	--	3.1	5.3	20	--
85-01-04	--	--	--	--	2.5	--	6.0	5.0	10	--	61	3.3
				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)			
				85-05-30	--	--	1000	--	--			
				85-06-17	--	--	--	--	--			
				85-06-17	--	--	--	--	--			
				84-12-05	0.004	--	60	--	--			
				84-10-12	--	20	--	--	--			
				85-05-10	0.022	--	1200	--	--			
				84-11-26	0.008	--	--	--	--			
				85-02-26	--	--	--	--	--			
				85-05-20	--	--	--	--	--			
				85-01-28	--	--	40	--	30			
				85-03-15	0.002	80	200	--	--			
				85-01-04	--	--	60	--	--			

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985
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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)			
404023073371301	N 7831	211MGTY	85-01-09	590	70	4.7	--	--	16			
		211MGTY	85-03-07	590	--	4.9	--	0.20	10			
404411073261801	N 7852	211MGTY	85-02-22	457	27	5.7	1.0	--	3			
404042073403701	N 7855	211MGTY	85-01-31	605	--	5.6	--	--	22			
405059073384101	N 7857	211LLYD	85-05-17	614	57	6.2	--	--	38			
404815073363901	N 7873	211MGTY	85-01-03	535	--	5.9	--	--	--			
		211MGTY	85-02-20	535	34	6.9	--	--	2			
404651073400601	N 7892	211MGTY	85-04-23	455	74	6.3	--	--	2			
404420073353201	N 7957	211MGTY	85-01-10	523	66	6.7	--	10.1	7			
		211MGTY	85-02-06	523	80	5.8	--	--	15			
404343073284301	N 8004	211MGTY	85-04-10	745	22	5.6	--	--	0.8			
404543073354901	N 8007	211MGTY	85-05-20	564	50	6.6	1.0	--	0.7			
DATE OF SAMPLE	HARDNESS CARBONATE (MG/L AS 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 AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)
85-01-09	8	--	3.1	1.5	8.0	1.3	2.0	8.0	9.2	5.9	40	0.13
85-03-07	--	--	--	--	6.9	--	18	9.0	13	--	43	--
85-02-22	2	--	1.0	--	--	0.1	1.0	--	4.0	4.6	15	0.15
85-01-31	--	--	--	--	5.4	--	12	12	6.5	--	33	--
85-05-17	10	--	--	--	--	--	17	--	2.0	--	--	--
85-01-03	8	--	--	--	3.1	--	7.0	--	4.5	--	70	1.3
85-02-20	1	--	--	0.20	--	0.20	6.0	--	4.0	5.6	23	1.1
85-04-23	0.9	--	3.6	2.5	0.40	0.50	1.3	--	5.7	8.3	48	2.4
85-01-10	--	--	--	--	5.1	--	19	5.0	8.5	--	36	1.1
85-02-06	8	--	3.3	1.7	4.0	0.60	6.0	9.0	5.9	6.9	54	4.2
85-04-10	0.7	--	2.8	0.10	--	0.1	0.50	--	1.4	4.6	21	0.16
85-05-20	0.4	--	2.8	0.010	4.0	0.60	0.80	--	3.9	6.3	36	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)							
85-01-09	--	50	1400	--	--							
85-03-07	--	30	940	20	--							
85-02-22	--	--	190	--	--							
85-01-31	--	20	240	--	--							
85-05-17	--	--	--	--	--							
85-01-03	--	60	--	--	--							
85-02-20	--	350	150	--	--							
85-04-23	0.001	50	370	--	--							
85-01-10	--	--	60	--	--							
85-02-06	0.001	--	--	--	--							
85-04-10	--	110	220	--	--							
85-05-20	--	--	120	--	--							

QUALITY OF GROUND WATER

183

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)			
404739073392101	N 8010	211MGTY	85-01-08	453	--	6.2	--	--	--			
		211MGTY	85-02-20	453	148	6.5	--	--	43			
403533073401301	N 8011	211LLYD	85-01-24	1270	69	5.8	3.0	--	10			
404046073305803	N 8031	211MGTY	85-04-26	513	23	5.2	--	--	0.2			
404557073270503	N 8054	211MGTY	85-02-24	585	57	5.3	1.0	--	0.9			
405146073313403	N 8183	112GLCLU	84-12-05	230	197	6.6	2.0	--	52			
		112GLCLU	85-01-22	230	189	6.0	--	8.8	60			
404233073410606	N 8195	211MGTY	85-01-23	512	--	5.7	--	0.1	24			
		211MGTY	85-02-08	512	51	5.6	--	--	8			
403952073361607	N 8196	211MGTY	85-03-06	625	--	5.0	--	0.30	5			
404109073374201	N 8218	211MGTY	85-05-17	465	46	4.9	4.0	--	0.4			
404525073382503	N 8248	211MGTY	85-04-12	400	--	6.1	--	--	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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)	SILICA TOTAL (MG/L- SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)
85-01-08	38	--	--	--	6.2	--	4.0	--	10	--	82	5.3
85-02-20	21	--	8.6	5.1	6.0	0.80	14	10	9.8	9.4	87	6.4
85-01-24	2	--	0.80	0.50	11	0.90	5.0	14	5.1	7.1	46	--
85-04-26	0.1	--	0.40	--	--	--	0.30	--	3.6	4.8	19	--
85-02-24	0.4	--	1.5	1.2	--	0.60	0.40	--	7.0	4.7	38	2.8
84-12-05	30	--	12	5.2	11	1.0	20	12	19	13.0	106	4.5
85-01-22	38	138	--	5.4	14	1.2	21	16	70	--	135	1.0
85-01-23	--	--	--	--	5.1	--	12	10	6.0	--	35	--
85-02-08	3	--	1.1	1.2	3.0	0.60	5.0	16	2.0	6.6	34	--
85-03-06	--	--	--	--	3.6	--	7.0	4.0	4.0	--	20	--
85-05-17	0.1	--	0.50	0.50	0.50	0.60	0.1	10	3.3	5.2	26	0.0
85-04-12	3	--	12	5.7	0.90	1.1	1.0	9.0	12	9.8	92	4.9
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)							
85-01-08	--	--	--	--	--							
85-02-20	--	--	50	--	--							
85-01-24	0.002	--	3500	--	--							
85-04-26	0.003	50	250	--	--							
85-02-24	0.005	--	100	--	--							
84-12-05	0.005	130	130	--	--							
85-01-22	--	30	20	--	30							
85-01-23	--	20	230	10	--							
85-02-08	0.001	--	300	--	--							
85-03-06	--	40	230	--	--							
85-05-17	--	--	610	--	--							
85-04-12	0.003	--	130	--	--							

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

NASSAU COUNTY--Continued

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

STATION	NUMBER	LOCAL IDENTIFIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)		
404639073311102		N 8249	211MGTY	85-05-14	495	139	5.4	--	--	2		
404108073371605		N 8250	211MGTY	84-12-14	485	46	4.8	--	--	11		
403958073410304		N 8251	211MGTY 211MGTY	85-01-23 85-03-12	500 500	-- 93	5.6 5.5	-- --	-- --	43 1		
404002073333301		N 8253	211MGTY 211MGTY	84-10-18 85-04-26	699 699	-- 23	5.0 5.2	-- --	-- --	1 0.3		
404149073373101		N 8264	211MGTY 211MGTY	84-11-21 85-02-04	515 515	31 35	5.6 5.4	1.0 1.0	0.70 --	3 4		
404309073302901		N 8279	211MGTY	85-02-15	547	35	5.4	--	6.2	5		
405106073430601		N 8313	112GLCLU 112GLCLU	84-10-30 85-01-29	168 168	290 280	6.2 6.7	-- --	3.8 --	110 65		
404401073315103		N 8321	211MGTY 211MGTY	85-01-15 85-02-15	674 674	41 38	5.9 6.0	-- --	-- 7.2	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 DIS-SOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)
85-05-14	1	--	6.7	2.6	1.1	1.3	0.30	7.0	9.9	6.4	91	10
84-12-14	4	--	1.5	1.5	3.0	0.50	3.0	10	2.7	5.6	28	0.080
85-01-23	--	--	--	--	8.4	--	9.0	25	10	--	61	--
85-03-12	0.4	--	1.8	2.5	0.70	0.80	0.1	18	11	7.5	50	--
84-10-18	--	--	--	--	3.0	--	--	2.0	2.0	--	5	--
85-04-26	0.1	--	0.60	--	--	0.20	0.60	--	3.3	4.7	21	--
84-11-21	2	40	--	0.40	3.9	0.50	4.0	9.0	8.0	--	22	--
85-02-04	1	--	--	0.60	--	0.40	4.0	6.0	3.8	5.2	22	--
85-02-15	--	--	--	--	3.2	--	6.0	5.0	7.8	--	41	0.71
84-10-30	51	5.7	--	14	12	4.2	67	47	18	--	212	4.9
85-01-29	32	--	12	7.9	14	2.8	41	42	18	16.2	160	4.7
85-01-15	3	--	1.1	0.20	8.0	0.30	8.0	--	5.2	5.1	34	1.0
85-02-15	--	--	--	--	2.9	--	12	--	8.1	--	41	1.1
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)							
85-05-14	0.002	200	160	--	--							
84-12-14	0.003	70	640	--	--							
85-01-23	--	30	680	70	--							
85-03-12	0.002	--	680	70	--							
84-10-18	--	10	280	--	30							
85-04-26	--	460	490	--	--							
84-11-21	--	--	230	--	--							
85-02-04	0.002	--	380	--	--							
85-02-15	--	--	--	--	--							
84-10-30	--	--	20	--	20							
85-01-29	--	--	--	--	--							
85-01-15	0.002	--	--	--	--							
85-02-15	--	--	--	--	--							

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)		
405116073372903		N 8326	1129LCLU	84-12-17	168	--	6.7	--	9.1	83		
			1129LCLU	85-01-30	168	331	6.6	--	--	84		
404320073401201		N 8339	211MGTY	85-05-21	363	166	5.7	--	4.6	44		
404650073444501		N 8342	211LLYD	84-10-10	434	148	7.1	--	4.2	61		
403521073365902		N 8354	211LLYD	85-01-24	1275	83	5.8	--	--	9		
			211LLYD	85-01-24	1275	61	6.0	--	4.1	11		
404420073393901		N 8409	211MGTY	84-10-17	405	271	6.0	--	6.5	83		
			211MGTY	85-05-31	405	278	6.1	1.0	--	8		
404031073414501		N 8420	211MGTY	85-03-28	425	--	5.5	--	--	64		
404541073330901		N 8472	211MGTY	85-05-10	195	294	5.7	1.0	--	8		
404325073363001		N 8474	211MGTY	85-01-10	562	56	6.1	--	7.4	9		
			211MGTY	85-01-15	562	49	5.8	--	--	6		
			211MGTY	85-01-30	562	50	5.8	--	--	6		
DATE OF SAMPLE	HARDNESS CARBONATE (MG/L AS 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 AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)
84-12-17	--	--	--	--	38	--	49	95	28	--	186	5.8
85-01-30	52	--	20	7.6	33	1.5	31	58	26	14.7	211	6.9
85-05-21	23	137	--	5.0	9.6	0.90	12	21	15	--	95	4.9
84-10-10	32	19	--	7.0	4.9	1.3	51	12	8.0	--	104	1.0
85-01-24	1	--	--	0.30	7.0	0.50	5.0	13	4.0	7.4	39	--
85-01-24	--	--	--	--	4.1	--	8.0	19	5.9	--	32	0.060
84-10-17	47	29	--	8.8	13	3.4	20	54	17	--	160	14
85-05-31	4	--	18	8.6	1.5	2.2	1.7	28	17	11.3	178	0.15
85-03-28	--	--	--	--	12	--	13	40	25	--	115	--
85-05-10	5	--	23	5.7	2.4	1.3	0.90	23	45	6.6	172	7.8
85-01-10	--	--	--	--	1.9	--	8.0	7.0	8.7	--	29	1.6
85-01-15	3	--	1.4	0.60	7.0	0.50	5.0	--	6.0	5.9	30	1.3
85-01-30	3	--	1.4	0.50	6.0	0.50	6.0	--	5.9	6.1	36	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)							
84-12-17	--	--	20	--	20							
85-01-30	0.002	--	--	--	--							
85-05-21	--	--	--	--	60							
84-10-10	--	--	60	--	--							
85-01-24	0.002	--	3700	--	--							
85-01-24	--	--	460	60	--							
84-10-17	--	30	30	--	30							
85-05-31	0.002	--	--	--	--							
85-03-28	--	10	1700	190	--							
85-05-10	0.010	100	1600	--	--							
85-01-10	--	--	60	--	--							
85-01-15	0.002	--	--	--	--							
85-01-30	0.002	--	--	--	--							

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)		
404325073363002		N 8475	211MGTY	85-01-10	486	53	5.8	--	6.3	11		
			211MGTY	85-01-30	486	52	5.7	--	--	7		
			211MGTY	85-04-30	486	52	5.8	--	--	0.8		
404228073293301		N 8480	211MGTY	84-10-04	655	--	6.2	--	0.30	--		
			211MGTY	85-06-04	655	37	5.3	1.0	--	0.4		
404519073342903		N 8497	211MGTY	84-11-26	544	--	--	1.0	--	9		
			211MGTY	85-05-20	544	--	--	2.0	--	1		
404455073320301		N 8526	211MGTY	85-02-22	601	52	6.1	--	--	5		
			211MGTY	85-03-14	601	45	6.5	--	8.1	10		
404631073383203		N 8558	211MGTY	84-11-29	415	132	6.1	1.0	--	37		
404453073383403		N 8576	211MGTY	85-03-29	510	94	5.9	--	--	2		
404554073270303		N 8595	211MGTY	85-05-24	615	66	5.3	--	--	1		
404056073261102		N 8603	211MGTY	85-06-04	893	23	5.3	1.0	--	0.2		
DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-AS 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)
85-01-10	--	--	--	--	1.3	--	7.0	5.0	8.9	--	31	1.5
85-01-30	5	--	2.1	0.40	8.0	0.40	6.0	6.0	7.4	6.1	40	1.2
85-04-30	0.4	--	1.7	0.90	--	0.50	0.70	--	1.0	5.5	42	1.5
84-10-04	--	--	--	--	3.6	--	12	3.0	5.0	--	15	0.20
85-06-04	0.2	--	0.10	0.20	--	0.50	0.30	--	5.9	4.8	23	0.16
84-11-26	6	--	2.4	0.80	11	0.50	30	--	3.6	7.1	57	2.0
85-05-20	0.6	--	2.4	0.90	7.6	0.70	31	--	7.9	7.1	274	2.3
85-02-22	3	--	1.3	0.50	--	0.40	9.0	--	3.9	5.8	29	1.6
85-03-14	6	36	--	0.90	4.2	0.50	11	1.0	5.0	--	37	1.3
84-11-29	20	--	7.9	4.1	4.0	0.80	17	10	8.0	10.2	76	4.5
85-03-29	1	--	5.9	2.5	0.60	0.01	1.0	--	0.70	6.9	62	4.7
85-05-24	0.5	--	2.1	1.3	--	0.60	0.30	--	8.2	4.8	43	3.5
85-06-04	0.1	--	0.50	--	--	0.20	0.30	--	5.4	4.9	21	--
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)							
85-01-10	--	--	--	--	--							
85-01-30	0.001	--	--	--	--							
85-04-30	0.005	--	70	--	--							
84-10-04	0.030	50	260	10	--							
85-06-04	--	--	280	--	--							
84-11-26	0.002	50	--	--	--							
85-05-20	0.003	--	140	--	--							
85-02-22	--	--	60	--	--							
85-03-14	--	--	--	--	30							
84-11-29	--	--	--	--	--							
85-03-29	0.004	--	440	--	--							
85-05-24	0.003	--	--	--	--							
85-06-04	0.002	--	310	--	--							

QUALITY OF GROUND WATER

187

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STAND- ARD UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	HARD- NESS (MG/L AS CACO3)
403927073355001		N 8657	211MGTY	85-01-15	640	26	5.4	--	--	0.2
404819073343303		N 8658	211MGTY	85-05-01	615	24	5.9	1.0	--	0.3
404221073254501		N 8664	211MGTY	85-02-13	581	30	5.4	--	--	2
404221073254502		N 8665	211MGTY	85-02-13	611	44	5.0	--	--	4
404540073264501		N 8668	211MGTY	85-03-07	485	56	5.3	--	--	0.2
404532073284801		N 8767	211MGTY	85-05-07	645	46	5.4	1.0	--	1
			211MGTY	85-05-15	645	39	6.4	1.0	--	0.7
404533073284802		N 8768	211MGTY	85-04-10	683	26	5.8	1.0	--	0.7
405427073335501		N 8776	211LLYD	84-12-06	459	39	5.8	--	10	10
			211LLYD	85-04-29	459	42	6.7	1.0	--	2
404537073304601		N 8778	211MGTY	85-01-09	590	37	6.0	--	--	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)
85-01-15	0.1	--	--	--	0.50	0.30	0.20	--	3.3	5.2	21	--
85-05-01	0.1	--	0.60	--	--	0.30	0.70	--	4.4	4.8	24	0.23
85-02-13	1	--	--	--	--	--	5.0	--	3.2	5.2	20	--
85-02-13	1	--	--	0.20	--	0.20	1.0	8.0	3.2	5.4	26	--
85-03-07	0.1	--	0.20	--	0.60	--	0.1	--	8.0	4.8	26	0.20
85-05-07	0.9	--	3.7	1.1	0.60	0.40	0.40	--	4.6	4.8	29	0.12
85-05-15	0.3	--	1.4	0.60	0.40	0.50	0.70	--	7.9	0.50	38	2.0
85-04-10	0.6	--	2.6	0.20	--	0.1	0.60	--	2.3	4.7	25	0.68
84-12-06	6	38	--	0.90	3.5	0.50	11	6.0	4.0	--	22	0.30
85-04-29	0.6	--	2.6	0.90	--	0.50	1.2	--	4.1	7.8	40	0.43
85-01-09	8	--	3.2	1.6	4.0	1.2	3.0	--	3.3	5.6	29	0.79

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)
85-01-15	0.002	70	180	--	--
85-05-01	0.004	--	340	--	--
85-02-13	0.002	--	210	--	--
85-02-13	0.001	--	1100	--	--
85-03-07	0.002	--	--	--	--
85-05-07	0.001	--	200	--	--
85-05-15	--	--	370	--	--
85-04-10	--	--	80	--	--
84-12-06	--	--	--	--	--
85-04-29	0.003	--	70	--	--
85-01-09	--	--	--	--	--

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)
404213073405802		N 8818	211MGTY	85-05-03	486	64	6.3	--	--	1
404216073373901		N 8855	112GLCLU	85-01-11	32	204	6.2	7.0	--	50
403927073274901		N 8875	112GLCLU	84-11-15	37	246	6.4	20	--	66
403925073261101		N 8876	112GLCLU	84-11-15	35	390	6.2	30	--	180
404353073291005		N 8941	211MGTY	85-02-01	775	59	5.7	--	--	3
404508073333605		N 8956	211MGTY	85-01-15	535	51	6.2	--	--	8
			211MGTY	85-02-15	535	56	6.3	--	9.0	9
404509073333402		N 8957	211MGTY	85-01-24	589	66	6.2	--	--	5
			211MGTY	85-02-06	589	64	6.3	--	--	5
			211MGTY	85-02-15	589	40	6.2	--	8.7	9
404119073323104		N 8976	211MGTY	85-04-26	700	22	5.9	2.0	--	0.2

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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	SILICA TOTAL (MG/L- SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)
85-05-03	0.8	--	3.1	1.9	0.40	0.70	0.70	--	5.6	7.1	38	0.54
85-01-11	37	--	15	1.9	20	3.1	6.0	25	26	4.0	109	1.6
84-11-15	42	--	16	4.9	14	3.5	28	39	21	6.9	140	2.7
84-11-15	110	--	42	17	15	3.3	26	58	23	11.0	201	3.0
85-02-01	1	--	--	0.50	5.0	0.30	3.0	--	3.9	5.4	25	0.59
85-01-15	6	--	2.4	0.50	7.0	0.30	3.0	--	5.6	7.4	40	2.1
85-02-15	--	--	--	--	3.3	--	8.0	6.0	9.0	--	58	2.3
85-01-24	3	--	1.3	0.30	5.0	0.30	7.0	--	2.5	7.0	29	0.81
85-02-06	3	--	1.1	0.60	--	0.30	7.0	9.0	4.7	6.8	30	0.77
85-02-15	--	--	--	--	2.2	--	8.0	--	6.6	--	41	0.87
85-04-26	0.1	--	0.60	--	--	0.20	0.40	--	3.3	4.9	20	0.070

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)
85-05-03	--	--	130	--	--
85-01-11	0.002	150	2500	--	--
84-11-15	0.007	--	2000	--	--
84-11-15	--	1100	430	1000	--
85-02-01	0.001	--	--	--	--
85-01-15	0.002	--	--	--	--
85-02-15	--	--	80	--	--
85-01-24	0.001	--	100	--	--
85-02-06	0.002	--	--	--	--
85-02-15	--	--	60	--	--
85-04-26	0.005	60	170	--	--

QUALITY OF GROUND WATER

189

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

NASSAU COUNTY--Continued

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

STATION	NUMBER	LOCAL IDENTIFIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)		
403934073410702		N 8979	211MGTY	84-11-21	440	73	5.3	--	--	18		
			211MGTY	85-04-04	440	--	5.4	--	--	18		
404242073342103		N 9057	112GLCLU	85-05-08	47	287	5.5	2.0	--	7		
405306073300001		N 9068	112PGFG	84-12-11	325	159	7.1	3.0	--	31		
405307073300203		N 9076	112PGFG	84-12-11	199	115	6.4	2.0	--	31		
404240073315802		N 9077	112GLCLU	84-11-22	52	335	5.3	1.0	--	63		
			112GLCLU	85-05-08	52	331	5.3	2.0	--	7		
404324073342201		N 9078	112GLCLU	84-11-15	65	217	5.9	5.0	--	130		
404413073282303		N 9088	112GLCLU	84-11-22	68	237	5.7	--	--	44		
405113073361301		N 9115	211MGTY	84-10-17	110	266	6.3	2.0	--	98		
DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-AS 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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)	SILICA TOTAL (MG/L-SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)
84-11-21	7	--	2.8	1.4	7.0	0.50	6.0	18	6.9	8.6	52	--
85-04-04	--	--	--	--	6.5	--	8.0	21	8.5	--	69	--
85-05-08	5	--	2.3	3.5	2.1	4.4	0.70	40	33	7.6	176	8.4
84-12-11	20	--	8.2	2.3	9.0	0.70	38	22	9.5	7.4	84	0.38
84-12-11	21	--	8.5	2.3	8.0	0.70	21	17	7.1	13.3	73	0.81
84-11-22	51	--	20	2.6	32	5.1	2.0	35	44	9.1	194	10
85-05-08	5	--	23	3.4	3.1	5.1	0.70	37	40	0.80	198	9.9
84-11-15	72	--	29	12	93	6.9	6.0	22	19	6.4	215	8.8
84-11-22	15	--	6.2	3.6	28	2.4	19	26	42	4.8	140	1.5
84-10-17	53	--	21	10	--	1.3	15	47	13	13.2	152	7.3
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)							
84-11-21	0.005	--	2700	150	--							
85-04-04	--	10	2300	180	--							
85-05-08	0.004	--	620	680	--							
84-12-11	0.002	--	540	--	--							
84-12-11	0.003	--	160	--	--							
84-11-22	0.003	--	430	590	--							
85-05-08	0.004	--	560	150	--							
84-11-15	0.006	--	920	2000	--							
84-11-22	0.005	--	7800	100	--							
84-10-17	0.005	--	1100	--	--							

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)		
404224073423811		N 9151	211MGTY	84-12-13	425	212	5.9	--	--	47		
			211MGTY	85-02-25	425	228	5.9	1.0	--	66		
			211MGTY	85-03-13	425	209	--	--	--	5		
			211MGTY	85-04-19	425	211	--	1.0	--	6		
404154073262004		N 9173	211MGTY	85-05-01	845	23	--	2.0	--	0.2		
405202073363301		N 9210	211MGTY	84-12-17	275	--	6.5	--	9.2	51		
			211MGTY	85-01-30	275	168	6.6	--	--	51		
405205073363401		N 9211	211MGTY	84-12-17	269	--	6.5	--	9.3	45		
			211MGTY	85-01-30	269	149	6.5	--	--	48		
404453073324605		N 9212	211MGTY	85-01-09	610	48	6.1	--	--	15		
			211MGTY	85-03-14	610	44	6.1	--	8.0	9		
404410073365901		N 9310	211MGTY	85-04-30	230	220	5.7	--	--	5		
404418073370201		N 9311	211MGTY	85-04-30	229	203	5.7	--	--	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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)	SILICA TOTAL (MG/L- SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)
84-12-13	16	--	6.5	7.3	14	1.1	17	34	17	10.6	121	4.4
85-02-25	36	--	--	--	--	--	16	36	19	--	--	6.0
85-03-13	3	--	11	7.1	1.5	1.2	1.2	29	2.0	11.3	124	4.7
85-04-19	3	--	13	6.9	1.1	1.3	1.3	30	14	9.6	122	6.0
85-05-01	0.1	--	--	--	--	0.20	0.50	--	2.7	0.50	20	0.030
84-12-17	--	--	--	--	10	--	31	24	17	--	81	3.2
85-01-30	32	--	12	4.7	12	1.0	20	21	17	12.7	107	2.9
84-12-17	--	--	--	--	7.5	--	26	22	11	--	72	4.1
85-01-30	31	--	12	4.1	10	1.2	16	21	10	12.5	97	3.5
85-01-09	8	--	3.3	1.7	5.0	1.3	9.0	--	2.3	6.4	38	1.6
85-03-14	6	21	--	0.80	4.1	0.50	8.0	--	12	--	37	1.9
85-04-30	2	--	10	5.9	1.6	1.1	0.70	22	32	8.4	123	4.9
85-04-30	2	--	10	0.060	1.2	1.2	1.2	18	20	8.4	129	0.10
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)							
84-12-13	--	50	160	--	--							
85-02-25	--	--	--	--	--							
85-03-13	0.008	--	--	--	--							
85-04-19	0.002	--	--	--	--							
85-05-01	0.002	90	520	--	--							
84-12-17	--	--	590	--	10							
85-01-30	0.001	--	70	--	--							
84-12-17	--	10	20	--	30							
85-01-30	--	--	--	--	--							
85-01-09	--	--	--	--	--							
85-03-14	--	--	--	--	--							
85-04-30	0.008	--	190	--	--							
85-04-30	0.006	--	260	--	--							

QUALITY OF GROUND WATER

191

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

NASSAU COUNTY--Continued

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

STATION	NUMBER	LOCAL IDENTIFIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)		
404748073385705		N 9313	112GLCLU	84-10-17	59	382	6.0	6.0	--	120		
405128073370504		N 9334	211MGTY 211MGTY	84-12-17 85-01-30	298 298	-- 207	6.7 6.3	-- --	9.1 --	62 65		
404228073293507		N 9338	211MGTY 211MGTY	84-12-12 85-06-04	646 646	33 33	5.2 5.3	1.0 2.0	-- --	10 0.3		
404550073330402		N 9341	211MGTY	85-05-08	265	465	5.9	1.0	--	6		
403907073360801		N 9357	112GLCLU	85-05-08	27	73	6.1	2.0	--	2		
405126073421002		N 9446	112PGGF 112PGGF 112PGGF	84-10-01 84-10-30 85-01-29	373 373 373	172 164 171	6.7 6.4 6.8	2.0 -- 2.0	-- 0.90 --	65 59 85		
404137073383402		N 9452	211MGTY 211MGTY	84-11-27 85-02-11	601 601	28 30	5.6 5.3	-- 1.0	0.30 --	2 4		
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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	SILICA TOTAL (MG/L- SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)
84-10-17	69	--	27	11	14	3.4	50	48	45	12.9	230	7.9
84-12-17	--	--	--	--	11	--	26	28	18	--	100	6.9
85-01-30	41	--	16	5.9	13	1.1	16	24	18	12.0	134	7.7
84-12-12	3	--	1.4	1.4	--	0.50	3.0	7.0	2.3	5.1	23	--
85-06-04	0.2	--	0.70	0.10	--	0.30	0.30	--	6.6	4.8	23	0.020
85-05-08	4	--	18	4.6	6.5	2.1	1.7	60	54	7.5	284	0.13
85-05-08	0.9	--	3.7	1.1	0.40	0.70	0.90	15	9.3	8.2	52	0.050
84-10-01	29	14	--	8.9	7.9	5.7	53	22	6.0	--	125	--
84-10-30	26	11	--	8.1	8.0	4.4	53	19	3.0	--	96	--
85-01-29	49	--	19	8.4	11	1.5	53	20	7.7	11.2	112	--
84-11-27	1	84	--	0.30	3.3	0.50	2.0	7.0	2.0	--	32	--
85-02-11	1	--	--	0.30	--	0.40	5.0	12	4.4	5.5	27	--
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)							
84-10-17	0.003	--	1300	--	--							
84-12-17	--	--	30	--	50							
85-01-30	0.001	--	--	--	--							
84-12-12	0.002	--	360	--	--							
85-06-04	--	--	350	--	--							
85-05-08	0.056	--	260	--	--							
85-05-08	0.002	--	4200	--	--							
84-10-01	--	--	1100	200	--							
84-10-30	--	20	530	210	--							
85-01-29	--	--	470	240	--							
84-11-27	--	30	200	--	50							
85-02-11	--	--	1100	--	--							

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STAND- ARD UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	HARD- NESS (MG/L AS CACO3)		
404601073315001		N 9463	211MGTY	85-01-09	638	66	6.1	--	--	17		
			211MGTY	85-03-14	638	61	6.4	--	9.0	15		
404125073325006		N 9473	112GLCLU	85-05-08	42	375	5.8	2.0	--	8		
404628073311202		N 9488	211MGTY	85-01-09	575	90	6.8	--	--	16		
405144073313502		N 9520	112PGGF	84-12-05	512	84	6.8	2.0	--	18		
			112PGGF	85-01-15	512	60	7.2	--	8.0	18		
			112PGGF	85-04-25	512	68	6.7	--	--	1		
404411073361002		N 9521	211MGTY	85-01-10	604	68	7.6	--	8.6	6		
404524073282602		N 9591	211MGTY	85-04-10	682	25	--	--	--	0.6		
404025073290303		N 9657	112GLCLU	85-05-08	32	283	--	2.0	--	4		
404620073383401		N 9712	112GLCLU	85-05-22	154	328	5.9	30	--	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)
85-01-09	9	--	3.7	1.9	7.0	1.3	10	--	4.0	7.2	47	2.4
85-03-14	9	65	--	1.5	4.8	0.70	9.0	2.0	7.0	--	37	3.2
85-05-08	7	--	2.8	3.4	3.3	7.6	2.5	32	41	7.7	224	0.12
85-01-09	8	--	3.4	1.7	13	1.3	23	--	3.2	6.0	58	2.4
84-12-05	11	--	4.4	1.7	--	0.50	21	--	4.9	14.9	48	0.78
85-01-15	10	22	--	1.8	4.9	0.60	19	12	5.0	--	24	1.0
85-04-25	1	--	0.40	1.8	0.30	0.30	2.0	--	5.9	1.4	52	1.2
85-01-10	--	--	--	--	6.2	--	29	12	8.7	--	40	0.81
85-04-10	0.5	--	1.9	0.20	--	--	0.40	--	2.4	4.7	23	0.69
85-05-08	3	--	12	2.1	2.5	4.6	2.2	32	40	5.2	154	2.9
85-05-22	4	--	19	11	0.90	2.3	3.3	33	3.4	10.6	178	8.3
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)							
85-01-09	--	--	--	--	--							
85-03-14	--	--	--	--	--							
85-05-08	0.001	--	390	970	--							
85-01-09	--	50	50	--	--							
84-12-05	0.004	--	60	--	--							
85-01-15	--	--	20	--	--							
85-04-25	0.004	--	100	--	--							
85-01-10	--	--	40	--	--							
85-04-10	--	--	160	--	--							
85-05-08	0.006	--	270	1200	--							
85-05-22	0.008	--	1700	--	--							

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)		
404547073401104		N 9768	211MGTY	84-10-10	490	105	6.8	--	6.6	32		
			211MGTY	84-12-19	490	135	6.4	--	--	46		
			211MGTY	85-05-31	490	133	6.3	--	--	4		
403932073382701		N 9792	211MGTY	85-02-25	537	33	5.1	--	--	2		
			211MGTY	85-05-17	537	32	5.5	1.0	--	0.4		
404838073404202		N 9809	112GLCLU	85-04-17	527	189	6.4	1.0	--	7		
404412073351004		N 9846	211MGTY	84-10-18	615	35	6.1	4.0	8.8	11		
			211MGTY	85-01-04	615	36	6.0	--	--	14		
			211MGTY	85-01-08	615	39	6.1	--	8.7	5		
404052073294802		N 9910	211MGTY	85-04-26	774	25	5.1	1.0	--	0.2		
404524073325101		N 9917	112GLCLU	85-03-01	76	382	6.2	20	--	11		
404340073295101		N 9922	112GLCLU	85-05-08	41	666	--	5.0	--	9		
404624073321501		N 9928	112GLCLU	85-03-01	86	340	5.4	--	--	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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	SILICA TOTAL (MG/L- SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)
84-10-10	15	15	--	4.2	6.4	1.2	18	7.0	9.0	--	87	3.7
84-12-19	22	--	8.9	5.7	6.0	0.90	25	9.0	9.6	11.4	84	4.0
85-05-31	2	--	7.9	5.1	0.60	1.1	2.1	7.0	11	10	82	4.7
85-02-25	1	--	--	--	4.0	0.30	4.0	--	3.4	5.4	21	--
85-05-17	0.1	--	0.30	0.30	4.0	0.60	0.20	5.0	0.40	5.4	22	0.060
85-04-17	3	--	1.3	9.1	0.70	1.2	3.6	11	11	14.5	114	5.7
84-10-18	--	--	--	--	2.5	--	11	--	7.1	--	26	0.61
85-01-04	7	--	3.0	1.5	3.0	1.2	11	--	4.0	6.9	30	0.60
85-01-08	--	--	--	--	6.7	--	9.0	5.0	8.2	--	19	0.57
85-04-26	0.1	--	--	--	--	--	0.40	--	4.1	5.1	20	--
85-03-01	6	--	2.6	3.7	2.3	2.4	4.7	18	75	4.6	206	0.23
85-05-08	7	--	3.1	3.7	8.6	6.9	0.60	38	14	8.9	352	7.3
85-03-01	7	--	3.1	3.6	1.9	0.04	1.4	49	21	5.4	149	1.4
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)							
84-10-10	--	40	--	--	30							
84-12-19	0.001	--	--	--	--							
85-05-31	0.002	--	--	--	--							
85-02-25	--	70	340	--	--							
85-05-17	--	--	740	--	--							
85-04-17	0.002	--	130	--	--							
84-10-18	--	40	--	--	--							
85-01-04	0.001	--	290	--	--							
85-01-08	--	--	50	--	--							
85-04-26	--	--	320	--	--							
85-03-01	0.007	60	17300	5200	--							
85-05-08	0.002	50	430	890	--							
85-03-01	0.002	--	280	170	--							

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)
404340073283901		N 9929	112GLCLU	84-11-22	40	256	5.1	5.0	--	61
404345073273101		N 9930	112GLCLU	84-11-22	46	420	6.1	2.0	--	66
404458073270101		N 9936	112GLCLU	85-03-11	63	424	5.4	--	--	3
404526073333501		N 9938	112GLCLU	85-03-01	80	253	5.5	--	--	3
			112GLCLU	85-05-10	80	256	5.4	2.0	--	4
404456073381501		N 9942	112GLCLU	85-05-22	69	351	5.7	2.0	--	6
404319073432901		N 9947	112GLCLU	84-11-16	109	296	6.3	30	--	110
404412073363401		N 9959	112GLCLU	85-03-22	54	95	6.5	20	--	0.8
404432073371202		N 9968	112GLCLU	85-03-22	68	483	6.6	10	--	14
404059073341704		N 9976	211MGTY	84-10-04	567	--	6.3	--	0.50	--
			211MGTY	84-12-12	567	32	6.6	6.0	--	10

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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)	SILICA TOTAL (MG/L- SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)
84-11-22	47	--	18	3.2	18	4.3	1.0	38	36	13.2	150	3.7
84-11-22	51	--	20	3.6	40	4.3	55	30	46	6.6	232	7.2
85-03-11	1	--	5.7	3.4	5.7	8.4	1.4	55	72	0.20	218	0.13
85-03-01	2	--	8.1	4.4	2.9	1.3	0.30	31	3.7	7.4	123	0.55
85-05-10	2	--	9.6	3.7	3.1	1.6	0.70	30	31	6.3	147	6.3
85-05-22	4	--	18	4.4	29	3.6	1.6	32	49	8.5	193	8.4
84-11-16	53	--	21	11	15	2.0	40	40	25	17.0	180	4.6
85-03-22	--	--	--	--	1.2	0.01	2.4	7.0	6.6	3.2	56	0.17
85-03-22	11	--	47	6.5	2.8	5.7	2.8	54	34	6.2	303	0.23
84-10-04	--	--	--	--	2.5	--	2.0	4.0	3.0	--	12	--
84-12-12	3	--	1.2	1.3	--	0.40	2.0	5.0	4.0	5.0	22	--

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)
84-11-22	0.002	--	220	280	--
84-11-22	0.042	--	--	13000	--
85-03-11	0.004	--	3600	760	--
85-03-01	--	--	150	90	--
85-05-10	0.004	--	380	--	--
85-05-22	0.001	--	--	--	--
84-11-16	0.009	--	2900	--	--
85-03-22	0.003	6700	30	--	--
85-03-22	0.003	--	930	--	--
84-10-04	--	20	230	--	10
84-12-12	--	--	720	--	--

QUALITY OF GROUND WATER

195

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)
404232073432501		N 9979	112GLCLU	84-11-16	95	466	6.5	5.0	--	140
404435073420201		N 9982	211MGTY	84-11-16	112	305	6.0	5.0	--	89
404404073420201		N 9983	211MGTY	84-11-16	99	241	5.8	1.0	--	79
403950073361403		N 10011	112GLCLU	85-05-08	26	279	5.9	1.0	--	9
404805073304401		N 10047	211MGTY	85-04-12	145	1390	6.9	500	--	43
404759073304801		N 10048	211MGTY	85-05-30	153	1260	7.3	60	--	12
404756073303701		N 10049	211MGTY	85-04-18	135	1190	8.8	350	--	19
404751073303101		N 10050	211MGTY	85-05-29	145	682	7.6	180	--	26
404750073302501		N 10051	211MGTY	85-04-17	145	1100	6.6	600	--	38

DATE OF SAMPLE	HARDNESS CARBONATE (MG/L-AS 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)
84-11-16	90	--	36	12	29	2.0	22	54	53	16.3	272	12
84-11-16	61	--	24	6.5	21	1.4	17	54	33	13.6	182	3.8
84-11-16	60	--	24	4.5	12	1.1	15	35	23	13.9	147	5.2
85-05-08	8	--	3.4	3.4	1.2	3.4	1.4	51	2.4	9.7	175	6.3
85-04-12	12	--	4.9	49	9.2	0.57	54	14	87	6.1	795	--
85-05-30	3	--	13	14	16	2.1	6.4	190	18	3.2	726	0.22
85-04-18	15	--	6.0	7.6	15	2.1	7.1	200	16	2.4	722	0.18
85-05-29	10	--	4.0	14	7.4	1.8	5.0	100	84	3.9	423	2.9
85-04-17	15	--	6.3	0.20	8.8	1.8	18	27	19	5.3	504	2.1

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)
84-11-16	0.006	--	270	--	--
84-11-16	0.003	--	430	--	--
84-11-16	0.003	--	120	--	--
85-05-08	0.006	--	110	70	--
85-04-12	0.006	--	580	860	--
85-05-30	1.79	--	18400	230	--
85-04-18	0.445	--	4800	60	--
85-05-29	0.003	160	60000	190	--
85-04-17	0.006	--	800	460	--

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.

Local Well Number	Page	Local Well Number	Page	Local Well Number	Page	Local Well Number	Page
871	198	23184	208	36459	219	44918	263
872	198	23185	209	36460	220	45053	263
1331	198	23186	209	36711	220	45207	264
1340	198	23255	209	36714	220	45208	265
1341	198	23371	209	36748	220	45210	266
2978	198	23440	209	36791	220	45212	267
3615	198	23445	209	36869	220	45346	267
3815	199	23524	209	36976	220	45402	267
4184	199	23631	210	37140	221	45446	268
4372	199	23715	210	37141	221	45447	269
8439	199	23827	210	37174	221	45594	269
9893	199	23828	210	37301	221	45610	228
11105	199	23832	210	37351	221	45636	270
12130	199	23848	210	37494	221	45637	270
14326	200	24047	210	37681	222	45717	271
14710	200	24323	211	37847	222	45718	272
14792	200	24545	211	37861	222	45719	272
14828	200	24663	211	37963	222	45720	273
14921	200	25617	211	38192	222	45721	273
15514	200	25674	211	38194	222	45722	274
15515	200	25776	211	38320	222	45724	274
15746	201	26535	211	38321	223	45838	274
15776	201	27070	212	38491	223	45839	228
15898	201	27192	212	38701	223	45840	228
15923	201	27259	212	38784	223	46235	228
15962	201	27533	212	38785	223	46281	275
16129	201	27784	212	38916	223	46284	275
16175	201	28408	212	38917	223	46286	276
16256	202	28503	212	39024	224	46287	276
16892	202	28819	213	39347	224	46400	229
16893	202	28928	213	39531	224	46445	276
17474	202	29411	213	39536	224	46502	277
17689	202	29491	213	40161	224	46712	229
18003	202	29492	213	40331	224	46713	229
18261	202	29732	213	40497	224	46830	229
18566	203	30088	213	40498	225	46911	277
18621	203	30117	214	40709	225	46912	278
18729	203	30118	214	40710	225	46913	278
18762	203	30207	214	40711	225	46914	279
19048	203	30208	214	40837	225	46928	229
19399	203	30227	214	40838	225	46962	279
19408	203	30228	214	40980	225	46963	280
19465	204	30234	214	40982	226	46964	280
19565	204	30506	215	42226	226	46966	280
19884	204	30762	215	42227	226	47024	229
19885	204	31037	215	42270	226	47035	229
20057	204	31038	215	42473	226	47100	280
20300	204	31039	215	42499	226	47102	280
20369	204	31104	215	42504	226	47157	281
20460	205	31624	215	42505	227	47219	230
20479	205	31653	216	42760	227	47220	281
20530	205	31913	216	42761	227	47222	281
20566	205	32180	216	42762	227	47223	282
20635	205	32287	216	42827	227	47224	282
20688	205	32325	216	43001	227	47225	283
20689	205	32326	216	43117	227	47226	283
20838	206	32501	216	43641	228	47227	283
20955	206	32551	217	43808	248	47228	283
21121	206	32552	217	43809	249	47231	283
21244	206	33005	217	43810	250	47310	230
21247	206	33006	217	43811	251	47435	230
21366	206	33308	217	43812	252	47436	230
21375	206	33500	217	43813	253	47437	230
21487	206	33820	217	43814	254	47438	230
21632	207	33970	218	43815	255	47453	230
21945	207	34007	218	43816	256	47489	283
22048	207	34030	218	43817	257	47673	231
22171	207	34031	218	43818	258	47675	283
22351	207	34300	218	43819	259	47698	284
22362	207	34301	218	43820	260	47718	284
22389	207	34460	218	43821	261	47743	284
22471	208	34595	219	43822	261	47745	285
22547	208	35033	219	44466	261	47746	285
22548	208	35446	219	44468	228	47747	285
22640	208	35494	219	44640	228	47748	286
23046	208	35939	219	44774	228	47749	286
23183	208	36166	219	44914	262	47750	287

QUALITY OF GROUND WATER

197

SUFFOLK COUNTY

WELL INDEX

Local Well Number	Page	Local Well Number	Page	Local Well Number	Page	Local Well Number	Page
47751	287	51275	233	54473	236	65766	242
47752	287	51298	233	54568	237	65905	242
47753	288	51457	233	54665	297	66183	242
47754	288	51519	233	54730	237	66184	242
47755	289	51567	295	54972	297	66366	242
47756	289	51571	295	55046	297	66429	242
47757	289	51575	295	55047	297	66496	242
47758	290	51576	295	55049	297	66733	243
47886	231	51578	295	55463	237	66758	243
47887	231	51583	295	55502	237	66825	243
47897	290	51592	295	55733	237	66881	243
47945	290	51609	233	56029	297	67074	243
47973	290	51626	295	56030	297	67197	243
47974	291	51673	233	56038	237	67656	243
47975	291	51953	233	56133	237	67819	244
47976	291	51979	295	56674	238	67925	244
47977	292	51980	296	57008	238	68230	244
48014	231	52050	296	57354	238	68552	244
48193	231	52126	234	57357	238	68666	244
48204	292	52384	296	57691	298	68690	244
48375	292	52449	296	57871	238	68880	244
48426	292	52451	296	57979	238	69024	245
48517	292	52490	296	57980	238	69364	245
48518	292	52641	296	58626	298	69511	245
48651	292	52886	296	58708	239	70155	245
48719	231	52943	234	58761	239	70459	245
48759	293	52944	234	59744	239	70488	245
48946	293	52945	234	60127	239	70767	245
48958	293	53074	234	60486	239	71038	246
49018	231	53291	235	60812	239	71083	246
49396	293	53324	296	61910	239	71533	246
49422	232	53325	296	61937	240	71577	299
49604	294	53333	296	62022	240	71785	246
49606	232	53335	296	62240	240	71892	246
49749	294	53337	297	62855	240	72271	246
49899	294	53360	235	63205	240	72917	246
50546	232	53361	235	63256	240	73144	247
50630	232	53497	235	63618	240	73332	247
50971	294	53498	235	63831	298	73492	247
51171	294	53522	235	63966	241	74484	299
51172	294	53539	297	64023	241	74489	300
51173	294	53593	235	64062	241	74490	300
51179	294	53747	236	64188	298	74491	300
51182	294	53850	236	64554	299	74492	300
51214	232	53851	236	64555	299	74496	301
51228	294	54020	297	64609	241	74497	301
51265	295	54162	226	64716	241		
51266	232	54305	226	64847	241		
51274	232	54308	226	65505	241		

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION	NUMBER	LOCAL IDENTIFIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)		
404454073033001		S 871	112GLCLU	85-04-24	110	86	5.5	0.14	30	5.2		
404454073033002		S 872	112GLCLU	85-04-25	104	107	6.4	0.31	35	6.4		
			112GLCLU	85-08-30	104	90	5.9	0.33	22	5.6		
404551072561601		S 1331	112GLCLU	85-02-03	60	135	6.3	0.15	39	8.9		
			112GLCLU	85-05-26	60	102	6.4	0.87	37	8.8		
405412072232901		S 1340	112GLCLU	85-02-05	87	216	5.8	0.25	74	19		
			112GLCLU	85-05-29	87	185	6.2	0.22	66	19		
405411072232701		S 1341	112GLCLU	85-02-05	99	330	5.9	0.42	140	39		
			112GLCLU	85-05-29	99	285	5.9	0.37	130	39		
405322073211001		S 2978	112GLCLU	85-03-11	271	39	6.0	0.31	6	2.0		
			112GLCLU	85-07-15	271	35	5.7	0.50	8	2.1		
410310071570901		S 3615	112GLCLU	85-02-18	111	254	6.5	0.18	60	10		
			112GLCLU	85-05-31	111	230	6.0	0.24	47	9.8		
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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (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)
85-04-24	1.5	8.6	1.1	17	9.0	11	60	0.95	<0.010	<0.100	<0.5	<5
85-04-25	1.8	9.8	1.5	23	12	10	72	1.1	<0.010	<0.100	<0.5	<5
85-08-30	1.7	8.3	1.8	15	11	9.5	62	1.2	<0.010	<0.100	--	--
85-02-03	2.4	12	1.7	14	14	14	86	3.0	<0.010	<0.100	<0.5	<5
85-05-26	2.6	8.5	1.2	25	10	8.0	71	1.5	<0.010	1.99	--	--
85-02-05	5.1	9.7	3.3	12	42	20	137	4.3	<0.010	<0.100	<0.5	<5
85-05-29	5.1	9.2	3.1	13	37	17	132	5.2	<0.010	<0.100	--	--
85-02-05	9.8	10	2.8	7.0	94	25	237	7.3	<0.010	<0.100	<0.5	<5
85-05-29	9.4	9.6	2.7	14	81	22	221	8.8	<0.010	<0.100	--	--
85-03-11	0.66	4.1	0.42	8.0	<0.50	5.5	28	1.1	<0.010	<0.100	<0.5	<5
85-07-15	0.73	4.4	0.71	9.0	<0.50	4.0	32	1.2	<0.010	<0.100	--	--
85-02-18	5.9	34	1.8	33	10	55	152	1.2	<0.010	<0.100	<0.5	<5
85-05-31	5.8	33	1.7	34	10	52	149	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)				
85-04-24	20	<30	--	470	--	<2	<20	<0.020				
85-04-25	<20	<30	--	1200	--	<2	<20	<0.020				
85-08-30	30	<30	<5	560	--	--	130	<0.020				
85-02-03	30	<30	--	<10	--	<2	20	<0.020				
85-05-26	<20	--	<5	40	--	--	40	<0.020				
85-02-05	30	270	--	20	--	<2	30	<0.020				
85-05-29	20	<20	<5	20	--	--	<20	<0.020				
85-02-05	30	220	--	10	--	<2	50	<0.020				
85-05-29	<20	<30	<5	20	--	--	<20	<0.020				
85-03-11	40	<30	--	10	--	<2	<20	<0.020				
85-07-15	30	<30	<5	10	--	--	30	<0.020				
85-02-18	<20	110	--	50	--	<2	<20	<0.020				
85-05-31	<20	<30	<5	50	--	--	<20	<0.020				

QUALITY OF GROUND WATER

199

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)		
404426073073303		S 3815	112GLCLU	85-04-16	83	66	6.4	0.16	22	4.6		
			112GLCLU	85-06-06	83	72	6.6	0.54	23	5.9		
405032073162801		S 4184	112GLCLU	85-04-16	162	270	5.8	0.29	71	20		
			112GLCLU	85-06-19	162	240	5.7	0.42	67	20		
405646073041601		S 4372	112GLCLU	85-03-06	94	56	6.5	0.30	23	5.5		
			112GLCLU	85-07-26	94	55	6.8	0.25	20	6.7		
405646073041602		S 8439	112GLCLU	85-03-07	91	54	6.5	0.21	15	4.0		
			112GLCLU	85-07-25	91	51	6.3	0.50	16	4.2		
404452073033001		S 9893	112GLCLU	85-04-24	103	66	5.6	0.29	25	4.3		
405345073203801		S 11105	112GLCLU	85-03-11	517	120	6.2	0.16	48	9.4		
			112GLCLU	85-07-15	517	114	6.0	0.25	41	9.3		
405126073273802		S 12130	112GLCLU	85-04-24	307	33	6.6	0.20	13	1.8		
			112GLCLU	85-08-16	307	34	5.9	0.31	12	2.5		
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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (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)
85-04-16	2.3	4.7	0.84	22	2.8	6.4	48	1.2	<0.010	0.180	<0.5	<5
85-06-06	2.6	4.7	0.71	25	2.5	4.5	51	1.3	<0.010	0.150	--	--
85-04-16	5.3	23	3.2	18	28	32	180	10	<0.010	<0.100	<0.5	<5
85-06-19	5.1	24	3.3	17	28	31	173	9.3	<0.010	<0.100	--	--
85-03-06	0.94	4.0	0.38	22	1.8	4.0	42	0.59	<0.010	<0.100	<0.5	<5
85-07-26	1.1	3.9	0.39	23	1.5	5.5	44	0.49	<0.010	<0.100	--	--
85-03-07	1.2	4.4	0.44	16	1.2	4.0	39	1.0	<0.010	<0.100	<0.5	<5
85-07-25	1.3	4.4	0.44	17	1.4	5.0	41	1.0	<0.010	<0.100	--	--
85-04-24	1.7	5.7	0.55	17	4.2	8.0	48	1.0	<0.010	<0.100	<0.5	<5
85-03-11	3.4	7.8	0.89	15	10	11	77	5.2	<0.010	<0.100	<0.5	<5
85-07-15	3.4	8.1	1.0	14	9.9	9.0	84	5.7	<0.010	<0.100	--	--
85-04-24	0.69	3.5	0.40	10	0.50	3.0	30	1.0	<0.010	<0.100	<0.5	<5
85-08-16	0.75	3.8	0.38	10	1.1	2.5	31	1.1	<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)				
85-04-16	20	<30	--	20	--	<2	140	<0.020				
85-06-06	20	<30	--	<10	--	--	<20	<0.020				
85-04-16	80	<30	--	130	--	<2	60	<0.020				
85-06-19	20	<30	<5	140	--	--	<20	<0.020				
85-03-06	20	<30	--	<10	--	<2	<20	<0.020				
85-07-26	<20	30	<5	<10	--	--	<20	<0.020				
85-03-07	20	<30	--	<10	--	<2	<20	<0.020				
85-07-25	<20	<30	<5	<10	--	--	<20	<0.020				
85-04-24	30	<30	--	520	--	<2	<20	<0.020				
85-03-11	50	<30	--	<10	--	<2	20	<0.020				
85-07-15	70	<30	<5	<10	--	--	<20	<0.020				
85-04-24	80	<30	--	10	--	<2	<20	<0.020				
85-08-16	<20	<30	<5	10	--	--	<20	<0.020				

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)		
404919073142701		S 14326	211MGTY 211MGTY	85-01-23 85-05-05	225 225	87 71	6.5 6.2	0.34 0.24	24 24	6.0 5.4		
404551072561602		S 14710	112GLCLU 112GLCLU	85-02-04 85-05-27	116 116	123 97	6.7 6.4	0.20 0.36	34 31	10 7.2		
405453073030302		S 14792	211MGTY	85-02-26	453	114	6.6	0.11	38	9.1		
405114073261001		S 14828	112GLCLU 112GLCLU	85-04-29 85-08-17	508 508	116 135	6.3 6.1	0.21 0.38	45 51	9.9 10		
405806072095401		S 14921	112GLCLU 112GLCLU	85-02-18 85-06-01	125 125	89 79	6.3 5.8	0.16 0.18	22 19	4.2 4.7		
405308073175101		S 15514	211MGTY 211MGTY	85-04-10 85-07-14	595 595	162 146	6.2 6.4	0.21 0.31	72 54	15 14		
405307073175001		S 15515	112GLCLU 112GLCLU	85-03-10 85-07-15	356 356	335 290	6.2 6.2	0.24 0.27	150 130	35 34		
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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (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)
85-01-23	2.3	5.9	0.53	23	2.3	5.5	51	1.3	<0.010	<0.100	<0.5	<5
85-05-05	2.1	5.6	0.47	22	2.9	6.5	51	1.2	<0.010	0.130	--	--
85-02-04	2.2	9.6	1.3	22	12	11	81	2.7	<0.010	<0.100	<0.5	<5
85-05-27	2.2	8.6	1.2	17	10	9.5	70	2.5	<0.010	<0.100	--	--
85-02-26	3.6	6.8	0.85	22	12	7.5	77	3.3	<0.010	<0.100	<0.5	<5
85-04-29	4.0	8.3	1.0	14	9.3	11	88	6.0	<0.010	<0.100	<0.5	<5
85-08-17	4.2	9.3	1.0	15	11	11	97	7.0	<0.010	<0.100	--	--
85-02-18	2.3	8.7	0.87	11	10	12	57	0.77	<0.010	<0.100	<0.5	<5
85-06-01	2.1	8.5	0.81	12	10	11	57	0.64	<0.010	<0.100	--	--
85-04-10	5.6	8.5	1.0	16	28	12	113	5.2	<0.010	<0.100	<0.5	<5
85-07-14	5.1	8.5	0.94	16	25	10	108	5.4	<0.010	<0.100	--	--
85-03-10	13	12	1.5	18	79	27	226	8.2	<0.010	<0.100	<0.5	<5
85-07-15	12	13	2.0	17	75	27	224	9.0	<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)				
85-01-23	<20	<30	--	<10	--	<2	<20	<0.020				
85-05-05	<20	<30	<5	<10	<0.20	--	<20	<0.020				
85-02-04	40	160	--	30	--	<2	<20	<0.020				
85-05-27	<20	240	<5	50	--	--	<20	<0.020				
85-02-26	<20	<30	--	<10	--	<2	<20	<0.020				
85-04-29	50	30	--	10	--	<2	20	--				
85-08-17	20	<30	<5	<10	--	--	<20	<0.020				
85-02-18	40	<30	--	<10	--	<2	20	<0.020				
85-06-01	<20	<30	<5	10	--	--	20	<0.020				
85-04-10	80	<30	--	<10	--	<2	50	<0.020				
85-07-14	20	<30	<5	10	--	--	<20	<0.020				
85-03-10	70	<30	--	<10	--	<2	<20	<0.020				
85-07-15	<20	<30	<5	10	--	--	30	<0.020				

QUALITY OF GROUND WATER

201

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)		
404923073122401		S 15746	112GLCLU	85-01-29	129	250	6.0	0.14	60	17		
			112GLCLU	85-05-19	129	230	6.1	0.31	56	16		
405113073260801		S 15776	112GLCLU	85-04-29	504	120	6.2	0.31	47	11		
			112GLCLU	85-08-17	504	108	6.0	0.30	41	9.2		
404536073163301		S 15898	112GLCLU	85-02-12	128	154	5.5	0.24	37	9.3		
			112GLCLU	85-06-13	128	124	5.7	0.55	48	10		
405134073155901		S 15923	112GLCLU	85-01-24	264	200	5.3	0.30	50	10		
			112GLCLU	85-05-06	264	175	5.4	0.20	45	10		
405607073072401		S 15962	112GLCLU	85-03-04	124	160	5.9	0.15	51	11		
			112GLCLU	85-07-10	124	124	5.9	0.30	48	11		
405301073153201		S 16129	211MGTY	85-01-24	550	--	6.1	0.17	9	2.3		
			211MGTY	85-05-14	550	27	5.9	0.30	12	1.4		
404534073163101		S 16175	112GLCLU	85-02-18	130	165	5.6	0.20	39	9.2		
			112GLCLU	85-06-12	130	116	5.4	0.31	45	9.8		
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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (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)
85-01-29	5.1	27	2.3	25	22	42	167	5.9	<0.010	<0.100	<0.5	<5
85-05-19	4.7	27	2.0	24	22	41	163	5.6	0.060	<0.100	--	--
85-04-29	4.2	7.1	0.93	19	14	10	91	4.9	<0.010	<0.100	<0.5	<5
85-08-17	3.5	6.9	0.88	16	9.3	8.0	78	4.7	<0.010	<0.100	--	--
85-02-12	2.9	14	2.1	8.0	18	21	103	4.5	<0.010	<0.100	<0.5	<5
85-06-13	3.2	15	2.3	8.0	17	24	108	4.7	<0.010	<0.100	--	--
85-01-24	6.0	17	1.8	11	19	23	132	8.3	<0.010	0.160	<0.5	<5
85-05-06	5.9	17	1.7	11	17	24	127	7.8	<0.010	<0.100	--	--
85-03-04	6.0	13	1.4	22	22	17	116	5.0	<0.010	<0.100	<0.5	<5
85-07-10	5.9	12	1.1	22	23	14	114	5.2	<0.010	<0.100	--	--
85-01-24	0.49	3.4	0.35	10	<0.50	4.0	27	0.28	<0.010	0.310	<0.5	<5
85-05-14	0.40	3.0	0.33	11	<0.50	3.0	25	0.27	<0.010	<0.100	--	--
85-02-18	2.7	14	2.2	9.0	18	21	103	4.4	<0.010	<0.100	<0.5	<5
85-06-12	2.7	14	2.1	11	14	20	100	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)				
85-01-29	80	<30	--	20	--	<2	30	<0.020				
85-05-19	<20	<30	<5	50	--	--	<20	<0.020				
85-04-29	20	40	--	10	--	<2	<20	<0.020				
85-08-17	20	<30	<5	<10	--	--	<20	<0.020				
85-02-12	190	<30	--	150	--	<2	30	--				
85-06-13	<20	40	<5	200	--	--	<20	<0.020				
85-01-24	40	<30	--	20	--	<2	<20	<0.020				
85-05-06	30	<30	<5	<10	<0.20	--	30	<0.020				
85-03-04	90	<30	--	<10	--	<2	20	<0.020				
85-07-10	<20	<30	<5	<10	--	--	<20	<0.020				
85-01-24	80	<30	--	<10	--	<2	20	<0.020				
85-05-14	40	<30	<5	<10	<0.20	--	<20	<0.020				
85-02-18	110	<30	--	180	--	<2	<20	<0.020				
85-06-12	40	<30	<5	160	--	--	20	<0.020				

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)		
404402073193202		S 16256	211MGTY	85-04-09	650	31	5.1	0.42	9	1.1		
			211MGTY	85-08-11	650	31	5.1	0.36	6	1.6		
404947072405601		S 16892	112GLCLU	85-02-15	76	82	6.5	0.34	15	4.1		
			112GLCLU	85-05-20	76	60	5.7	0.33	16	3.9		
404945072414201		S 16893	112GLCLU	85-02-15	69	168	6.5	0.33	24	6.0		
			112GLCLU	85-05-20	69	120	--	0.35	24	5.8		
405413072232901		S 17474	112GLCLU	85-02-05	103	350	6.2	0.21	150	38		
			112GLCLU	85-05-14	103	102	6.0	0.24	120	32		
405449073025601		S 17689	211MGTY	85-02-27	540	40	6.4	0.12	20	3.0		
			211MGTY	85-06-19	540	37	6.4	0.22	15	3.9		
404233073204101		S 18003	211MGTY	85-04-14	671	19	4.9	0.30	8	1.1		
			211MGTY	85-08-14	671	19	4.7	0.42	6	0.70		
404707073190401		S 18261	211MGTY	85-04-10	388	49	5.5	0.27	15	2.5		
			211MGTY	85-08-20	388	49	5.4	0.26	10	2.6		
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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (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)
85-04-09	0.43	4.2	0.37	8.0	2.7	2.0	25	<0.050	<0.010	1.67	<0.5	<5
85-08-11	0.60	3.9	0.59	6.0	4.9	3.0	27	<0.050	<0.010	1.54	--	--
85-02-15	1.4	8.1	0.91	9.0	7.8	12	54	1.1	<0.010	<0.100	<0.5	<5
85-05-20	1.3	7.0	0.78	9.0	8.0	10	50	0.90	<0.010	0.180	--	--
85-02-15	2.0	22	1.0	11	10	38	99	0.69	<0.010	<0.100	<0.5	<5
85-05-20	1.9	22	1.1	10	9.7	36	95	0.66	<0.010	<0.100	--	--
85-02-05	12	11	2.1	15	91	26	232	7.0	<0.010	<0.100	<0.5	<5
85-05-14	9.5	1.1	1.8	14	75	22	201	7.0	<0.010	<0.100	--	--
85-02-27	0.94	3.3	0.33	16	0.60	3.0	31	0.30	<0.010	<0.100	<0.5	<5
85-06-19	1.0	3.4	0.35	15	1.7	3.5	30	0.28	<0.010	<0.100	--	--
85-04-14	0.31	2.1	0.29	6.0	2.8	2.0	21	<0.050	<0.010	<0.100	<0.5	<5
85-08-14	0.29	2.4	0.31	6.0	2.4	2.5	21	<0.050	<0.010	<0.100	--	--
85-04-10	1.1	4.9	0.53	9.0	2.2	5.0	39	1.7	<0.010	<0.100	<0.5	<5
85-08-20	1.2	5.4	0.61	9.0	1.5	6.0	41	2.0	<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)				
85-04-09	40	310	--	10	--	<2	<20	<0.020				
85-08-11	<20	490	<5	20	--	--	70	<0.020				
85-02-15	<20	<30	--	70	--	<2	<20	<0.020				
85-05-20	<20	<30	<5	20	--	--	<20	<0.020				
85-02-15	<20	<30	--	<10	--	<2	<20	<0.020				
85-05-20	<20	<30	<5	<10	--	--	<20	<0.020				
85-02-05	60	<30	--	<10	--	<2	<20	<0.020				
85-05-14	<20	<30	<5	<10	--	--	<20	<0.020				
85-02-27	<20	<30	--	<10	--	<2	<20	<0.020				
85-06-19	<20	30	<5	<10	--	--	80	<0.020				
85-04-14	40	390	--	<10	--	<2	20	<0.020				
85-08-14	<20	410	<5	10	--	--	30	<0.020				
85-04-10	70	<30	--	<10	--	<2	20	<0.020				
85-08-20	70	<30	<5	<10	--	--	20	<0.020				

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)			
404528073150501	S 18566	211MGTY	85-09-17	383	28	5.1	0.61	8	1.8			
404704073190401	S 18621	112GLCLU 112GLCLU	85-04-17 85-08-15	201 201	85 80	6.1 5.5	0.40 0.32	26 22	4.7 5.0			
404600072521001	S 18729	211MGTY 211MGTY	85-05-01 85-08-05	356 356	139 54	5.8 6.4	0.25 0.44	29 21	6.4 3.4			
410310071570001	S 18762	112GLCLU 112GLCLU	85-02-19 85-06-04	167 167	166 138	6.6 6.2	0.36 0.22	33 41	6.6 7.7			
404301073161901	S 19048	211MGTY 211MGTY	85-02-19 85-06-12	727 727	32 26	5.3 5.1	0.14 0.33	2 12	0.70 0.80			
404921073122701	S 19399	112GLCLU 112GLCLU	85-02-11 85-05-13	131 131	220 195	6.2 6.4	0.27 0.30	48 45	13 13			
404953072583601	S 19408	112GLCLU 112GLCLU	85-01-30 85-06-02	166 166	127 124	6.4 5.9	0.21 0.31	39 35	9.4 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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (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)
85-09-17	0.64	2.7	0.27	7.0	2.2	2.0	23	<0.050	<0.010	<0.100	--	--
85-04-17	2.6	8.1	0.73	15	4.7	8.5	61	3.1	<0.010	<0.100	<0.5	<5
85-08-15	2.6	8.5	0.72	14	4.5	9.0	62	3.2	<0.010	<0.100	--	--
85-05-01	2.9	14	1.1	11	21	21	83	<0.050	<0.010	0.570	<0.5	<5
85-08-05	2.2	5.3	1.4	21	4.8	3.5	43	0.16	<0.010	<0.100	--	--
85-02-19	3.9	20	1.4	31	11	29	103	0.40	<0.010	<0.100	<0.5	<5
85-06-04	4.3	25	1.7	30	11	37	117	0.41	<0.010	<0.100	--	--
85-02-19	0.38	3.9	0.47	5.0	1.6	4.0	23	<0.050	<0.010	1.04	<0.5	<5
85-06-12	0.36	3.0	0.42	7.0	4.1	2.5	24	<0.050	<0.010	1.76	--	--
85-02-11	3.6	24	2.2	20	17	40	138	3.3	<0.010	<0.100	<0.5	<5
85-05-13	3.6	22	2.2	19	17	--	137	3.3	<0.010	<0.100	--	--
85-01-30	2.9	9.3	1.4	18	13	10	83	3.7	<0.010	<0.100	<0.5	<5
85-06-02	3.0	9.7	1.6	18	13	11	88	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)				
85-09-17	210	180	<5	10	--	--	<20	<0.020				
85-04-17	130	<30	--	<10	--	<2	<20	<0.020				
85-08-15	140	<30	<5	10	--	--	50	<0.020				
85-05-01	210	170	--	50	--	<2	480	<0.020				
85-08-05	<20	360	<5	20	--	--	150	<0.020				
85-02-19	30	30	--	<10	--	<2	<20	<0.020				
85-06-04	<20	80	<5	10	--	--	40	<0.020				
85-02-19	30	280	--	10	--	<2	<20	<0.020				
85-06-12	<20	270	<5	10	--	--	<20	<0.020				
85-02-11	190	<30	--	20	--	<2	<20	<0.020				
85-05-13	<20	<30	<5	40	--	--	80	<0.020				
85-01-30	20	<30	--	90	--	<2	<20	<0.020				
85-06-02	<20	<30	--	110	--	<5	<20	<0.020				

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)
405443073064501	S 19465	112GLCLU	85-03-07	177	114	6.1	0.23	32	8.1
		112GLCLU	85-07-10	177	86	6.1	0.48	35	7.5
404550073104301	S 19565	112GLCLU	85-04-28	119	175	5.9	0.46	53	14
		112GLCLU	85-08-27	119	170	5.5	0.45	49	14
405129073071901	S 19884	112GLCLU	85-03-27	303	85	6.2	0.17	21	5.4
		112GLCLU	85-08-01	303	110	5.7	0.37	28	7.3
405128073072001	S 19885	112GLCLU	85-03-26	295	155	7.3	0.30	25	6.8
		112GLCLU	85-07-30	295	120	5.7	0.60	38	8.0
404519073225101	S 20057	211MGTY	85-04-17	200	29	5.8	0.18	5	1.3
		211MGTY	85-08-15	200	23	5.4	0.35	5	1.3
404516073225101	S 20300	211MGTY	85-04-16	232	19	5.7	0.18	6	1.0
		211MGTY	85-08-11	232	17	5.5	0.31	6	1.0
404936073152501	S 20369	211MGTY	85-01-23	312	40	6.2	0.24	15	3.2
		211MGTY	85-05-14	312	42	6.0	0.32	14	2.3

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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (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)
85-03-07	3.5	9.1	0.76	24	3.6	12	79	4.1	<0.010	<0.100	<0.5	<5
85-07-10	3.3	8.4	0.68	24	3.8	8.5	73	3.9	<0.010	<0.100	--	--
85-04-28	3.0	14	4.4	12	21	22	119	5.0	<0.010	<0.100	<0.5	<5
85-08-27	3.0	14	4.1	13	27	21	126	5.5	<0.010	<0.100	--	--
85-03-27	2.0	8.7	0.92	19	3.1	9.5	58	1.7	<0.010	<0.100	<0.5	<5
85-08-01	2.8	10	1.2	17	10	11	78	3.5	<0.010	<0.100	--	--
85-03-26	1.9	27	1.0	51	3.7	12	104	2.6	<0.010	0.200	<0.5	<5
85-07-30	2.7	11	1.5	16	10	12	84	4.1	<0.010	<0.100	--	--
85-04-17	0.35	2.8	0.38	8.0	0.90	4.0	24	<0.050	<0.010	<0.100	<0.5	<5
85-08-15	0.48	3.0	0.48	8.0	<0.50	4.0	23	0.10	<0.010	0.360	--	--
85-04-16	0.24	2.3	0.31	7.0	<0.50	2.5	20	<0.050	<0.010	<0.100	<0.5	<5
85-08-11	0.27	2.4	0.34	8.0	<0.50	2.5	20	<0.050	<0.010	0.120	--	--
85-01-23	0.99	4.3	0.53	12	2.0	4.5	35	0.76	<0.010	<0.100	<0.5	<5
85-05-14	0.95	4.3	0.47	13	0.90	5.0	35	0.90	<0.010	0.160	--	--

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)
85-03-07	20	140	--	<10	--	<2	20	<0.020
85-07-10	<20	<30	<5	<10	--	--	<20	<0.020
85-04-28	80	<30	--	80	--	<2	20	<0.020
85-08-27	60	<30	--	90	--	--	20	<0.020
85-03-27	<20	<30	--	<10	--	<2	30	<0.020
85-08-01	<20	<30	<5	20	--	--	20	<0.020
85-03-26	<20	<30	--	<10	--	<2	<20	<0.020
85-07-30	<20	<30	<5	20	--	--	40	<0.020
85-04-17	20	30	--	<10	--	<2	<20	<0.020
85-08-15	20	<30	<5	<10	--	--	<20	<0.020
85-04-16	<20	<30	--	<10	--	<2	<20	<0.020
85-08-11	<20	50	<5	10	--	--	<20	<0.020
85-01-23	20	<30	--	<10	--	<2	30	<0.020
85-05-14	<20	<30	<5	<10	<0.20	--	<20	<0.020

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)		
404240073225002		S 20460	211MGTY 211MGTY	85-01-21 85-05-21	499 499	32 32	5.8 4.9	0.79 0.28	6 7	1.1 0.90		
404547073104201		S 20479	112GLCLU 112GLCLU	85-05-06 85-09-02	125 125	30 --	6.1 5.5	1.0 0.72	14 43	1.5 12		
405257073202901		S 20530	112GLCLU 112GLCLU	85-03-12 85-07-15	615 615	36 33	6.0 5.7	0.16 0.32	9 13	1.9 2.1		
404317073153601		S 20566	211MGTY 211MGTY	85-03-05 85-05-13	755 755	27 21	5.5 5.2	1.7 0.35	3 13	0.50 1.4		
404402073193201		S 20635	211MGTY 211MGTY	85-04-10 85-08-11	704 704	31 28	5.0 5.2	0.20 0.44	5 5	1.3 0.90		
404941072372207		S 20688	112GLCLU 112GLCLU	85-02-24 85-05-14	75 75	88 71	6.0 6.0	0.17 0.35	23 22	5.3 4.8		
405045073120401		S 20689	211MGTY 211MGTY	85-01-29 85-05-09	596 596	50 44	6.7 6.2	0.15 0.25	15 21	3.7 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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (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)
85-01-21	0.38	3.9	0.37	5.0	4.2	3.5	26	<0.050	<0.010	0.400	<0.5	<5
85-05-21	0.36	4.3	0.36	5.0	4.8	5.0	28	<0.050	<0.010	1.66	--	--
85-05-06	1.0	3.2	0.44	13	1.0	3.0	28	0.10	<0.010	<0.100	<0.5	<5
85-09-02	3.0	9.9	--	12	--	13	--	4.5	<0.010	<0.100	--	--
85-03-12	0.61	3.6	0.41	9.0	<0.50	5.0	28	1.3	<0.010	<0.100	<0.5	<5
85-07-15	0.65	3.9	0.51	8.0	<0.50	3.0	30	1.4	<0.010	<0.100	--	--
85-03-05	0.28	2.8	0.33	6.0	3.7	3.0	23	<0.050	<0.010	<0.100	<0.5	<5
85-05-13	0.31	2.9	0.34	8.0	2.0	2.0	23	<0.050	<0.010	<0.100	--	--
85-04-10	0.57	3.2	0.40	7.0	5.3	3.0	27	<0.050	<0.010	0.500	<0.5	<5
85-08-11	0.43	4.4	0.54	7.0	2.5	4.0	26	<0.050	<0.010	1.35	--	--
85-02-24	2.1	4.7	0.70	12	10	6.5	54	1.7	<0.010	0.110	<0.5	<5
85-05-14	2.0	5.2	0.70	12	11	6.0	51	1.0	0.010	0.300	--	--
85-01-29	1.7	3.3	0.53	20	3.2	3.5	37	<0.050	<0.010	<0.100	<0.5	<5
85-05-09	1.4	2.9	0.40	20	2.9	2.0	34	<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 (UG/L)				
85-01-21	40	--	--	40	--	<2	20	<0.020				
85-05-21	<20	240	<5	<10	<0.20	--	20	<0.020				
85-05-06	60	350	--	<10	--	<2	<20	<0.020				
85-09-02	110	110	<5	140	--	--	260	<0.020				
85-03-12	90	<30	--	<10	--	<2	<20	<0.020				
85-07-15	70	<30	<5	10	--	--	30	<0.020				
85-03-05	210	--	--	20	--	<2	<20	<0.020				
85-05-13	60	340	<5	30	--	--	130	<0.020				
85-04-10	30	500	--	<10	--	<2	20	<0.020				
85-08-11	<20	210	<5	10	--	--	20	<0.020				
85-02-24	50	<30	--	20	--	<2	<20	<0.020				
85-05-14	<20	<30	<5	50	--	--	<20	<0.020				
85-01-29	<20	40	--	10	--	<2	80	<0.020				
85-05-09	20	<30	<5	20	--	--	<20	<0.020				

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)			
405712072571401	S 20838	112GLCLU	85-02-28	149	122	6.5	0.41	34	6.9			
		112GLCLU	85-06-23	149	84	5.8	0.52	29	5.9			
404158073212201	S 20955	211MGTY	85-04-09	630	29	5.1	0.28	7	0.60			
405134073235702	S 21121	112GLCLU	85-04-27	600	76	6.4	0.29	24	5.9			
		112GLCLU	85-08-17	600	78	6.2	0.41	24	5.8			
404304073162001	S 21244	211MGTY	85-06-11	602	33	6.3	0.85	14	2.4			
404717072595601	S 21247	112GLCLU	85-02-04	145	144	6.0	0.20	34	8.6			
		112GLCLU	85-05-29	145	132	5.9	0.24	33	9.0			
404357073181601	S 21366	211MGTY	85-04-11	470	29	5.7	0.45	30	1.9			
404220073190302	S 21375	211MGTY	85-04-22	501	25	5.5	1.6	8	1.3			
		211MGTY	85-08-11	501	27	5.2	0.80	4	1.1			
404320073222401	S 21487	211MGTY	85-01-20	340	44	6.3	2.5	12	4.3			
		211MGTY	85-05-07	340	46	5.5	1.1	8	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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (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)
85-02-28	4.3	8.2	0.91	19	13	11	78	2.7	<0.010	<0.100	<0.5	<5
85-06-23	2.9	7.3	0.78	12	11	6.0	61	2.2	<0.010	<0.100	--	--
85-04-09	0.26	4.4	0.29	9.0	4.8	2.0	27	<0.050	<0.010	2.82	<0.5	<5
85-04-27	2.2	6.2	0.62	17	1.1	6.5	55	2.8	<0.010	<0.100	<0.5	<5
85-08-17	2.2	6.6	0.64	21	0.60	6.5	58	3.0	<0.010	<0.100	--	--
85-06-11	1.1	3.5	0.55	13	4.3	2.0	32	<0.050	<0.010	1.13	--	--
85-02-04	3.6	11	1.5	12	14	14	91	4.6	<0.010	0.100	<0.5	<5
85-05-29	3.3	11	1.8	12	14	15	92	4.5	<0.010	<0.100	--	--
85-04-11	0.64	3.3	0.34	11	3.8	2.0	28	<0.050	<0.010	1.24	<0.5	<5
85-04-22	0.53	3.2	0.43	--	2.7	2.5	24	<0.050	<0.010	<0.010	<0.5	<5
85-08-11	0.53	4.1	0.42	7.0	2.4	2.5	24	<0.050	<0.010	1.01	--	--
85-01-20	0.46	3.6	0.51	10	5.0	4.0	33	<0.050	<0.010	0.360	<0.5	<5
85-05-07	0.64	5.9	0.40	8.0	6.3	7.5	36	<0.050	<0.010	2.13	--	--
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)				
85-02-28	320	<30	--	<10	--	<2	1100	<0.020				
85-06-23	260	<30	<5	20	--	--	40	<0.020				
85-04-09	80	350	--	20	--	<2	<20	<0.020				
85-04-27	30	<30	--	10	--	<2	<20	<0.020				
85-08-17	30	<30	<5	<10	--	--	<20	<0.020				
85-06-11	<20	410	<5	10	--	--	<20	<0.020				
85-02-04	120	<30	--	20	--	<2	40	<0.020				
85-05-29	60	<30	<5	40	--	--	150	<0.020				
85-04-11	50	410	--	20	--	<2	<20	<0.020				
85-04-22	<20	330	--	10	--	<2	30	<0.020				
85-08-11	60	380	<5	10	--	--	30	<0.020				
85-01-20	50	760	--	10	--	<2	70	<0.020				
85-05-07	180	850	<5	10	<0.20	--	<20	<0.020				

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)			
405443073064502	S 21632	211MGTY	85-02-27	516	31	6.1	0.16	7	2.0			
		211MGTY	85-07-17	516	27	6.2	0.18	12	2.1			
405159073085501	S 21945	211MGTY	85-03-20	750	82	6.4	0.26	30	7.1			
		211MGTY	85-07-30	750	60	6.1	0.22	20	5.2			
405259073202801	S 22048	112GLCLU	85-03-12	602	42	6.3	0.21	23	2.8			
		112GLCLU	85-07-16	602	37	5.8	0.35	7	2.3			
405127073070901	S 22171	112GLCLU	85-03-25	450	225	6.3	0.23	39	10			
		112GLCLU	85-07-30	450	160	5.7	0.21	45	11			
404054073231801	S 22351	211MGTY	85-01-27	558	31	5.3	0.23	8	1.4			
		211MGTY	85-05-06	558	37	5.4	0.40	7	1.5			
404955073170401	S 22362	112GLCLU	85-05-13	315	85	6.2	0.41	32	8.4			
		112GLCLU	85-05-13	315	87	6.0	0.25	36	7.7			
404357073181502	S 22389	211MGTY	85-04-09	466	36	6.0	1.4	16	3.1			
		211MGTY	85-08-12	466	35	6.4	0.48	13	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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (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)
85-02-27	0.67	3.3	0.34	12	2.0	4.5	30	0.15	<0.010	<0.100	<0.5	<5
85-07-17	0.68	3.1	0.36	12	1.1	2.0	26	0.12	<0.010	<0.100	--	--
85-03-20	2.2	6.9	0.72	30	8.4	5.0	61	0.65	<0.010	3.10	<0.5	<5
85-07-30	2.0	4.6	0.87	21	8.7	2.5	47	0.23	<0.010	0.120	--	--
85-03-12	0.75	4.0	0.46	10	<0.50	5.5	31	1.7	<0.010	<0.100	<0.5	<5
85-07-16	0.70	4.2	0.56	10	<0.50	3.0	33	1.6	<0.010	0.210	--	--
85-03-25	3.0	31	1.6	52	16	17	144	5.1	<0.010	0.130	<0.5	<5
85-07-30	4.2	16	2.1	18	18	17	117	6.0	<0.010	<0.100	--	--
85-01-27	0.76	3.3	0.41	6.0	3.5	3.0	25	<0.050	<0.010	0.480	<0.5	<5
85-05-06	0.76	3.8	0.45	7.0	7.7	3.0	30	<0.050	<0.010	1.55	--	--
85-05-13	2.8	6.1	0.72	25	5.5	6.0	66	2.6	<0.010	<0.100	<0.5	<5
85-05-13	2.7	5.9	0.68	24	5.1	7.5	65	2.7	<0.010	<0.100	--	--
85-04-09	0.88	3.1	0.43	16	2.0	2.5	31	<0.050	<0.010	<0.100	<0.5	<5
85-08-12	0.83	4.0	0.47	15	2.1	3.0	31	<0.050	<0.010	1.35	--	--
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)				
85-02-27	<20	<30	--	<10	--	<2	<20	<0.020				
85-07-17	<20	<30	<5	<10	--	--	<20	<0.020				
85-03-20	<20	<30	--	<10	--	<2	<20	<0.020				
85-07-30	20	<30	<5	40	--	--	<20	<0.020				
85-03-12	70	<30	--	<10	--	<2	20	<0.020				
85-07-16	90	<30	<5	10	--	--	20	<0.020				
85-03-25	20	<30	--	<10	--	<2	<20	<0.020				
85-07-30	30	<30	<5	10	--	--	30	<0.020				
85-01-27	20	380	--	10	--	<2	<20	<0.020				
85-05-06	2800	380	<5	20	<0.20	--	<20	<0.020				
85-05-13	40	50	--	10	--	<2	70	<0.020				
85-05-13	540	<30	<5	<10	<0.20	--	40	<0.020				
85-04-09	20	630	--	50	--	<2	<20	<0.020				
85-08-12	<20	730	<5	40	--	--	40	<0.020				

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)		
404922073162901		S 22471	211MGTY	85-01-24	383	74	5.7	0.24	17	4.2		
			211MGTY	85-05-06	383	70	5.9	0.26	45	4.5		
405155073045202		S 22547	112GLCLU	85-03-25	109	139	5.9	0.14	41	9.7		
			112GLCLU	85-08-07	109	132	5.9	0.33	42	10		
404705073190701		S 22548	211MGTY	85-08-14	415	23	5.0	0.31	5	1.3		
405625073031801		S 22640	211MGTY	85-02-28	453	174	6.7	0.19	61	15		
			211MGTY	85-07-18	453	130	6.7	0.34	61	15		
404458073182501		S 23046	211MGTY	85-02-19	448	45	6.2	0.29	14	3.8		
			211MGTY	85-06-11	448	28	6.1	0.52	17	2.7		
404921073122702		S 23183	211MGTY	85-01-30	500	--	6.2	0.30	46	12		
			211MGTY	85-03-24	500	58	6.3	0.25	18	4.4		
			211MGTY	85-05-20	500	69	6.4	0.34	21	5.4		
405124072353602		S 23184	112GLCLU	85-02-08	118	172	5.8	0.16	60	13		
			112GLCLU	85-05-22	118	170	5.6	0.28	62	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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (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)
85-01-24	1.5	6.6	0.64	11	0.70	7.5	53	3.7	<0.010	<0.100	<0.5	<5
85-05-06	1.5	6.0	0.58	12	0.80	6.5	54	4.1	<0.010	<0.100	--	--
85-03-25	3.6	10	1.1	16	11	13	92	5.2	<0.010	<0.100	<0.5	<5
85-08-07	3.8	11	1.2	18	11	12	97	5.8	<0.010	<0.100	--	--
85-08-14	0.39	2.9	0.43	6.0	1.7	3.0	22	0.62	<0.010	<0.100	--	--
85-02-28	5.9	11	1.2	36	19	16	116	3.3	<0.010	<0.100	<0.5	<5
85-07-18	6.0	12	1.5	36	22	15	119	3.4	<0.010	<0.100	--	--
85-02-19	0.76	3.4	0.36	15	4.2	3.5	34	<0.050	<0.010	0.210	<0.5	<5
85-06-11	0.50	3.1	0.36	10	--	2.0	28	<0.050	<0.010	<0.100	--	--
85-01-30	3.6	24	2.2	21	--	45	--	3.4	<0.010	<0.100	<0.5	<5
85-03-24	1.7	4.6	0.42	17	3.8	6.5	44	0.69	<0.010	<0.100	<0.5	<5
85-05-20	2.0	5.2	0.54	16	4.9	7.0	49	1.2	<0.010	<0.100	--	--
85-02-08	6.6	7.4	1.4	9.0	29	13	106	4.8	<0.010	<0.100	<0.5	<5
85-05-22	6.6	7.5	1.5	15	33	10	116	4.9	<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)				
85-01-24	120	<30	--	<10	--	<5	20	<0.020				
85-05-06	1000	<30	<5	<10	<0.20	--	60	<0.020				
85-03-25	120	<30	--	20	--	<2	20	<0.020				
85-08-07	40	<30	<5	40	--	--	120	<0.020				
85-08-14	120	<30	<5	10	--	--	20	<0.020				
85-02-28	<20	<30	--	<10	--	<2	<20	<0.020				
85-07-18	<20	<30	<5	<10	--	--	40	<0.020				
85-02-19	<20	100	--	<10	--	<2	<20	<0.020				
85-06-11	<20	150	<5	10	--	--	20	<0.020				
85-01-30	90	<30	--	20	--	<2	<20	<0.020				
85-03-24	50	<30	--	<10	--	<2	<20	<0.020				
85-05-20	<20	<30	<5	<10	--	--	<20	<0.020				
85-02-08	40	<30	--	50	--	<2	<20	<0.020				
85-05-22	60	<30	<5	60	--	--	70	<0.020				

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)		
405607073072402		S 23185	211MGTY	85-03-07	543	61	--	0.64	--	--		
			211MGTY	85-07-18	543	31	6.1	0.26	12	2.2		
405251073142801		S 23186	211MGTY	85-01-23	491	33	6.5	0.20	6	1.7		
			211MGTY	85-05-09	491	29	5.3	0.23	9	1.6		
405453073030301		S 23255	211MGTY	85-02-25	486	55	6.4	0.18	16	4.2		
			211MGTY	85-06-18	486	70	6.5	0.43	24	6.0		
405336073202101		S 23371	112GLCLU	85-03-11	475	73	5.9	0.36	24	5.0		
			112GLCLU	85-07-14	475	79	6.0	0.26	21	5.9		
404942072591601		S 23440	112GLCLU	85-02-01	165	143	7.4	0.79	49	17		
404659073164101		S 23445	211MGTY	85-02-07	610	114	6.4	0.21	34	10		
			211MGTY	85-06-12	610	102	6.0	0.30	51	13		
405158073030001		S 23524	112GLCLU	85-03-27	446	87	6.5	0.26	25	6.9		
			112GLCLU	85-07-29	446	54	6.3	0.32	20	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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (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)
85-03-07	0.71	3.5	0.31	--	2.6	4.5	43	<0.050	<0.010	<0.100	<0.5	<5
85-07-18	0.81	3.2	0.27	11	2.1	2.5	27	0.14	<0.010	<0.100	--	--
85-01-23	0.48	3.3	0.39	8.0	1.2	3.0	27	0.63	<0.010	<0.100	<0.5	<5
85-05-09	0.48	3.2	0.37	9.0	1.0	4.0	28	0.72	<0.010	<0.100	--	--
85-02-25	1.4	4.1	0.42	16	2.9	5.5	42	1.0	<0.010	<0.100	<0.5	<5
85-06-18	1.9	4.7	0.61	18	5.8	5.5	51	1.4	<0.010	0.240	--	--
85-03-11	1.6	5.9	0.66	11	0.60	8.5	50	4.0	<0.010	<0.100	<0.5	<5
85-07-14	1.9	6.6	0.84	9.0	1.5	7.5	61	5.0	<0.010	<0.100	--	--
85-02-01	2.5	7.9	1.2	44	7.6	9.5	89	1.6	<0.010	0.280	<0.5	<5
85-02-07	2.8	6.1	0.64	20	12	8.5	69	1.5	<0.010	<0.100	<0.5	<5
85-06-12	3.1	6.8	0.57	29	16	9.5	86	1.6	<0.010	<0.100	--	--
85-03-27	2.0	6.3	0.78	23	3.9	7.5	60	2.1	<0.010	<0.100	<0.5	<5
85-07-29	1.4	4.9	0.53	15	1.3	3.5	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)				
85-03-07	<20	60	--	<10	--	<2	<20	<0.020				
85-07-18	<20	<30	<5	<10	--	--	<20	<0.020				
85-01-23	70	<30	--	<10	--	<2	<20	<0.020				
85-05-09	60	<30	<5	<10	<0.20	--	20	<0.020				
85-02-25	<20	<30	--	<10	--	<2	<20	<0.020				
85-06-18	<20	<30	<5	<10	--	--	50	<0.020				
85-03-11	80	<30	--	<10	--	<2	<20	<0.020				
85-07-14	80	<30	<5	<10	--	--	20	<0.020				
85-02-01	<20	190	--	40	--	<2	<20	<0.020				
85-02-07	230	<30	--	10	--	<2	30	<0.020				
85-06-12	<20	<30	<5	<10	--	--	<20	<0.020				
85-03-27	<20	30	--	<10	--	<2	<20	<0.020				
85-07-29	<20	<30	<5	<10	--	--	20	<0.020				

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)			
405047073120601	S 23631	211MGTY	85-01-28	623	50	6.2	2.0	14	4.0			
		211MGTY	85-05-08	623	49	5.9	0.34	20	3.4			
404955073170402	S 23715	112GLCLU	85-01-24	340	146	6.4	0.19	54	14			
		112GLCLU	85-05-06	340	114	6.5	0.23	48	12			
405245072585001	S 23827	112GLCLU	85-03-26	150	134	6.3	0.15	36	8.4			
		112GLCLU	85-08-04	150	132	5.8	0.34	41	8.2			
405244072585001	S 23828	112GLCLU	85-03-26	150	183	6.9	0.21	51	14			
404922073162701	S 23832	211MGTY	85-01-23	405	76	6.1	0.29	18	5.8			
		211MGTY	85-05-07	405	74	5.7	0.27	21	4.6			
404430073211301	S 23848	211MGTY	85-04-09	634	18	5.1	1.1	10	1.1			
		211MGTY	85-08-12	634	17	5.0	1.0	2	0.80			
404806073100101	S 24047	112GLCLU	85-09-02	135	175	5.9	0.44	44	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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (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)
85-01-28	1.7	3.6	0.64	19	3.1	3.0	37	<0.050	<0.010	<0.100	<0.5	<5
85-05-08	1.4	4.1	0.47	19	4.4	3.0	37	<0.050	<0.010	2.56	--	--
85-01-24	4.5	11	1.1	33	9.2	13	109	6.0	<0.010	<0.100	<0.5	<5
85-05-06	3.7	8.6	0.92	34	6.3	8.0	91	4.7	<0.010	<0.100	--	--
85-03-26	3.8	13	1.0	19	6.4	13	92	5.7	<0.010	<0.100	<0.5	<5
85-08-04	3.8	13	0.96	20	11	12	99	6.1	<0.010	<0.100	--	--
85-03-26	3.9	21	1.2	49	5.9	21	122	3.4	<0.010	<0.100	<0.5	--
85-01-23	1.6	6.7	0.91	11	0.70	6.5	56	4.1	<0.010	<0.100	<0.5	<5
85-05-07	1.5	6.3	0.62	11	0.60	7.0	56	4.5	<0.010	<0.100	--	--
85-04-09	0.23	2.4	0.22	6.0	2.4	2.5	22	<0.050	<0.010	0.350	<0.5	<5
85-08-12	0.21	2.4	0.39	7.0	1.3	2.5	21	<0.050	<0.010	0.160	--	--
85-09-02	3.9	20	2.1	21	14	28	126	5.2	<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)				
85-01-28	20	1000	--	10	--	<2	80	<0.020				
85-05-08	30	720	<5	<10	--	--	<20	<0.020				
85-01-24	40	<30	--	<10	--	<2	<20	<0.020				
85-05-06	30	30	--	10	<0.20	--	30	<0.020				
85-03-26	<20	<30	--	<10	--	<2	30	--				
85-08-04	<20	<30	<5	10	--	--	20	<0.020				
85-03-26	50	<30	--	<10	--	<2	<20	<0.020				
85-01-23	80	<30	--	<10	--	<2	20	<0.020				
85-05-07	70	<30	<5	<10	<0.20	--	<20	<0.020				
85-04-09	70	650	--	<10	--	<2	80	<0.020				
85-08-12	60	660	<5	<10	--	--	70	<0.020				
85-09-02	60	<30	--	80	--	--	<20	<0.020				

QUALITY OF GROUND WATER

211

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)		
405920072170301		S 24323	112GLCLU	85-02-07	174	76	6.4	0.37	19	4.2		
			112GLCLU	85-06-02	174	72	6.3	0.35	16	4.9		
405248073142901		S 24545	211MGTY	85-01-24	512	31	5.8	0.29	8	1.6		
			211MGTY	85-05-09	512	33	5.8	0.21	20	2.0		
405626073031701		S 24663	211MGTY	85-03-05	460	198	6.8	0.20	72	19		
			211MGTY	85-08-28	460	205	6.8	0.45	79	19		
404459073182401		S 25617	211MGTY	85-02-20	441	26	4.9	0.32	6	1.1		
			211MGTY	85-06-12	441	24	5.0	0.29	15	1.0		
404431073211401		S 25674	211MGTY	85-08-12	625	15	5.4	1.0	4	0.80		
405306073175201		S 25776	211MGTY	85-03-10	586	182	6.6	0.19	81	17		
			211MGTY	85-07-15	586	165	6.4	0.51	61	16		
404318073153801		S 26535	211MGTY	85-03-05	776	26	5.3	0.24	4	1.0		
			211MGTY	85-05-26	776	23	5.2	0.64	16	1.1		
DATE OF SAMPLE	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY LAB (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (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)
85-02-07	1.7	7.2	0.55	18	6.0	9.5	51	0.48	<0.010	<0.100	<0.5	<5
85-06-02	1.8	7.5	0.56	17	5.3	10	53	0.73	<0.010	<0.100	--	--
85-01-24	0.47	3.1	0.41	7.0	1.8	2.5	26	0.62	<0.010	<0.100	<0.5	<5
85-05-09	0.48	3.0	0.35	12	0.90	2.0	27	0.54	<0.010	<0.100	--	--
85-03-05	5.8	11	1.2	43	18	17	131	4.8	<0.010	<0.100	<0.5	<5
85-08-28	8.4	14	1.3	47	21	20	146	5.2	<0.010	<0.100	--	--
85-02-20	0.55	2.2	0.28	5.0	4.7	2.0	23	<0.050	<0.010	<0.100	<0.5	<5
85-06-12	0.61	2.5	0.31	6.0	5.4	1.5	24	<0.050	<0.010	<0.100	--	--
85-08-12	0.21	2.4	0.32	7.0	<0.50	3.5	20	<0.050	<0.010	<0.100	--	--
85-03-10	6.0	9.0	0.88	17	31	13	114	5.7	<0.010	<0.100	<0.5	<5
85-07-15	5.8	9.1	1.0	17	30	11	122	6.3	<0.010	0.180	--	--
85-03-05	0.40	2.9	0.35	7.0	3.2	3.5	25	<0.050	<0.010	<0.100	<0.5	<5
85-05-26	0.42	2.0	0.38	6.0	2.6	2.5	23	<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)				
85-02-07	<20	<30	--	<10	--	<2	<20	<0.020				
85-06-02	20	<30	<5	10	--	--	<20	<0.020				
85-01-24	80	<30	--	<10	--	<5	<20	<0.020				
85-05-09	340	<30	<5	<10	<0.20	--	40	<0.020				
85-03-05	<20	40	--	<10	--	<2	<20	<0.020				
85-08-28	40	110	<5	20	--	--	170	<0.020				
85-02-20	<20	210	--	<10	--	<2	<20	<0.020				
85-06-12	<20	<30	<5	10	--	--	<20	<0.020				
85-08-12	<20	650	<5	<10	--	--	<20	<0.020				
85-03-10	40	30	--	<10	--	<2	<20	<0.020				
85-07-15	20	<30	<5	10	--	--	20	<0.020				
85-03-05	80	250	--	<10	--	<2	<20	<0.020				
85-05-26	30	250	<5	20	--	--	<20	<0.020				

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION NUMBER	LOCAL IDENTIFIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)			
405134073235602	S 27070	112GLCLU	85-04-25	560	62	6.3	0.26	20	4.4			
		112GLCLU	85-08-18	560	76	6.2	0.42	23	5.4			
405301073153202	S 27192	211MGTY	85-01-31	474	30	5.8	0.35	7	2.3			
		211MGTY	85-05-13	474	22	6.0	0.43	9	1.4			
404617073035401	S 27259	112GLCLU	85-04-15	164	104	5.8	0.26	24	5.7			
		112GLCLU	85-09-03	164	86	6.2	0.40	28	7.6			
404547073104202	S 27533	211MGTY	85-04-29	307	41	6.0	0.28	10	2.8			
		211MGTY	85-08-26	307	44	5.9	0.68	13	2.6			
405336073074001	S 27784	211MGTY	85-03-06	264	142	6.4	0.15	40	10			
		211MGTY	85-07-16	264	65	6.4	0.29	20	5.3			
404452073033002	S 28408	211MGTY	85-04-25	335	44	6.7	1.7	13	3.1			
		211MGTY	85-08-30	335	42	6.1	1.6	16	3.0			
404318073201901	S 28503	211MGTY	85-01-20	676	25	5.5	0.31	5	0.90			
		211MGTY	85-05-07	676	26	5.6	0.65	7	1.6			
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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (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)
85-04-25	1.9	5.5	0.51	23	<0.50	4.0	47	1.7	<0.010	<0.100	<0.5	<5
85-08-18	1.9	5.8	0.52	23	0.50	4.0	50	1.9	<0.010	<0.100	--	--
85-01-31	0.41	2.9	0.35	10	<0.50	4.0	26	0.11	<0.010	0.220	<0.5	<5
85-05-13	0.32	2.7	0.31	8.0	<0.50	3.0	22	0.080	<0.010	<0.100	--	--
85-04-15	2.3	8.1	1.1	17	3.5	10	65	3.3	<0.010	0.190	<0.5	<5
85-09-03	1.6	6.2	0.69	25	6.5	6.5	58	1.1	<0.010	0.150	--	--
85-04-29	1.1	4.2	0.35	13	1.6	5.0	35	0.59	<0.010	<0.100	<0.5	<5
85-08-26	1.2	4.3	0.41	15	2.3	4.5	37	0.88	<0.010	<0.100	--	--
85-03-06	3.8	7.8	0.72	17	9.8	11	86	5.1	<0.010	<0.100	<0.5	<5
85-07-16	1.9	5.2	0.53	15	4.5	7.0	52	2.1	<0.010	<0.100	--	--
85-04-25	1.2	3.8	0.53	17	3.0	3.5	35	0.060	<0.010	0.130	<0.5	<5
85-08-30	1.2	3.9	0.52	17	3.2	2.0	33	<0.050	<0.010	<0.100	--	--
85-01-20	0.34	2.8	0.25	6.0	<0.50	2.0	19	<0.050	<0.010	1.07	<0.5	<5
85-05-07	0.36	4.1	0.27	8.0	2.2	2.0	24	<0.050	<0.010	2.78	--	--
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)				
85-04-25	<20	<30	--	10	--	<2	<20	<0.020				
85-08-18	30	<30	<5	<10	--	--	<20	<0.020				
85-01-31	40	<30	--	<10	--	<2	<20	<0.020				
85-05-13	80	<30	<5	<10	<0.20	--	190	<0.020				
85-04-15	140	40	--	20	--	<2	30	<0.020				
85-09-03	80	<30	--	30	--	--	30	<0.020				
85-04-29	40	<30	--	<10	--	<2	<20	<0.020				
85-08-26	170	30	<5	10	--	--	50	<0.020				
85-03-06	20	<30	--	<10	--	<2	<20	<0.020				
85-07-16	<20	<30	<5	20	--	--	<20	<0.020				
85-04-25	<20	460	--	<10	--	<2	<20	<0.020				
85-08-30	<20	490	<5	10	--	--	<20	<0.020				
85-01-20	20	150	--	<10	--	<2	270	<0.020				
85-05-07	60	220	<5	<10	<0.20	--	70	<0.020				

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)		
404912073033301		S 28819	112GLCLU 112GLCLU	85-03-03 85-07-14	245 245	101 86	4.9 6.1	0.28 0.21	28 26	6.0 5.5		
405414072232701		S 28928	112GLCLU 112GLCLU	85-02-06 85-05-20	110 110	-- 32	6.0 5.6	0.16 0.31	160 160	43 46		
405445073064801		S 29411	211MGTY 211MGTY	85-03-06 85-07-11	553 553	33 28	6.2 6.2	0.35 0.20	8 12	2.3 2.5		
404120073221601		S 29491	211MGTY 211MGTY	85-01-28 85-05-06	499 499	46 37	5.8 5.7	0.18 0.36	10 6	1.6 1.8		
404912073033302		S 29492	112GLCLU 112GLCLU	85-03-11 85-07-28	234 234	128 116	6.3 6.0	0.44 0.43	35 36	8.4 8.6		
405336073074002		S 29732	211MGTY 211MGTY	85-02-28 85-07-02	565 565	35 30	6.0 6.0	-- 0.68	11 7	2.2 2.0		
405652072590001		S 30088	112GLCLU 112GLCLU	85-02-26 85-06-19	283 283	150 138	6.6 6.2	0.18 0.44	56 58	13 14		
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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (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)
85-03-03	2.7	8.1	0.86	15	8.8	9.5	68	3.0	<0.010	<0.100	<0.5	<5
85-07-14	2.6	7.7	0.94	15	7.5	9.5	65	3.0	<0.010	0.110	--	--
85-02-06	10	10	2.3	15	110	22	246	6.5	<0.010	<0.100	<0.5	<5
85-05-20	11	10	2.0	15	110	22	256	7.4	<0.010	<0.100	--	--
85-03-06	0.76	3.3	0.37	13	1.9	5.0	31	<0.050	<0.010	<0.100	<0.5	<5
85-07-11	0.77	3.1	0.44	13	1.5	2.0	27	<0.050	<0.010	<0.100	--	--
85-01-28	1.0	4.1	0.45	8.0	3.5	3.0	28	<0.050	<0.010	2.64	<0.5	<5
85-05-06	1.0	4.2	0.45	9.0	5.0	4.5	31	<0.050	<0.010	1.50	--	--
85-03-11	3.4	10	0.89	18	12	16	84	2.5	<0.010	<0.100	<0.5	<5
85-07-28	3.5	10	1.4	18	13	16	85	2.8	<0.010	<0.100	--	--
85-02-28	0.73	3.4	0.33	12	3.3	4.0	30	0.050	<0.010	0.120	<0.5	<5
85-07-02	0.70	3.3	0.35	11	1.7	4.5	29	0.11	<0.010	<0.100	--	--
85-02-26	6.1	5.6	0.59	18	29	10	101	3.4	<0.010	<0.100	<0.5	<5
85-06-19	5.9	5.7	0.62	17	32	8.0	103	3.6	<0.010	0.110	--	--
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)				
85-03-03	60	<30	--	20	--	<2	<20	<0.020				
85-07-14	50	<30	<5	20	--	--	<20	<0.020				
85-02-06	180	<30	--	<10	--	<2	<20	<0.020				
85-05-20	140	<30	<5	20	--	--	90	<0.020				
85-03-06	20	<30	--	<10	--	<2	<20	<0.020				
85-07-11	<20	<30	<5	<10	--	--	<20	<0.020				
85-01-28	<20	270	--	<10	--	<2	20	<0.020				
85-05-06	<20	180	<5	<10	<0.20	--	20	<0.020				
85-03-11	80	<30	--	10	--	<2	<20	<0.020				
85-07-28	60	<30	<5	<10	--	--	50	<0.020				
85-02-28	40	30	--	<10	--	<2	<20	<0.020				
85-07-02	<20	<30	<5	20	--	--	<20	<0.020				
85-02-26	50	<30	--	<10	--	<2	<20	<0.020				
85-06-19	20	<30	<5	20	--	--	80	<0.020				

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)
404914073095601		S 30117	112GLCLU	85-03-21	183	122	5.9	0.19	38	9.1
			112GLCLU	85-07-24	183	110	6.0	0.87	35	8.3
404914073095602		S 30118	112GLCLU	85-03-18	192	114	6.1	0.14	38	9.1
			112GLCLU	85-07-30	192	102	6.2	0.43	37	8.7
410321071564501		S 30207	112GLCLU	85-02-18	177	119	6.5	0.15	33	5.2
			112GLCLU	85-06-01	177	128	6.5	0.25	27	6.1
410327071565201		S 30208	112GLCLU	85-02-19	175	134	6.7	0.28	29	6.0
			112GLCLU	85-06-02	175	124	6.4	0.23	36	6.0
405900072063801		S 30227	112GLCLU	85-02-18	151	103	6.4	0.16	25	3.9
			112GLCLU	85-06-01	151	95	6.0	0.29	22	3.6
405854072063801		S 30228	112GLCLU	85-02-19	152	104	6.7	0.13	40	3.6
			112GLCLU	85-05-31	152	95	6.1	0.28	20	3.7
404754073132601		S 30234	112GLCLU	85-04-29	153	51	5.9	0.24	12	4.4

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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (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)
85-03-21	3.7	8.1	0.78	24	10	12	76	1.6	<0.010	<0.100	<0.5	<5
85-07-24	3.5	8.2	0.93	25	10	11	75	1.7	<0.010	<0.100	--	--
85-03-18	3.7	7.3	0.65	27	6.9	11	76	2.7	<0.010	<0.100	<0.5	<5
85-07-30	3.6	7.0	0.66	28	5.5	9.0	73	2.7	<0.010	<0.100	--	--
85-02-18	2.8	13	1.0	22	6.6	19	74	0.75	<0.010	0.100	<0.5	<5
85-06-01	3.3	14	1.1	22	7.5	22	81	0.75	<0.010	<0.100	--	--
85-02-19	3.6	14	1.1	23	8.4	20	81	0.82	<0.010	<0.100	<0.5	<5
85-06-02	3.6	14	1.1	23	9.4	21	82	0.77	<0.010	<0.100	--	--
85-02-18	2.4	12	0.74	15	7.0	18	64	0.060	<0.010	0.100	<0.5	<5
85-06-01	2.4	12	0.71	16	7.5	16	61	<0.050	<0.010	<0.100	--	--
85-02-19	2.3	12	0.68	19	6.7	18	65	<0.050	<0.010	<0.100	<0.5	<5
85-05-31	2.3	12	0.66	17	6.8	17	63	<0.050	<0.010	<0.100	--	--
85-04-29	1.3	5.0	0.40	12	1.2	5.0	42	1.9	<0.010	<0.100	<0.5	<5

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)
85-03-21	30	<30	--	10	--	<2	<20	<0.020
85-07-24	20	470	<5	30	--	--	570	<0.020
85-03-18	20	<30	--	<10	--	<2	<20	<0.020
85-07-30	20	<30	<5	<10	--	--	<20	<0.020
85-02-18	20	<30	--	<10	--	<2	<20	<0.020
85-06-01	<20	<30	<5	<10	--	--	<20	<0.020
85-02-19	<20	<30	--	<10	--	<2	<20	<0.020
85-06-02	<20	60	<5	<10	--	--	<20	<0.020
85-02-18	20	<30	--	<10	--	<2	<20	<0.020
85-06-01	<20	<30	<5	<10	--	--	<20	<0.020
85-02-19	20	<30	--	<10	--	<2	<20	<0.020
85-05-31	<20	<30	<5	<10	--	--	<20	<0.020
85-04-29	70	<30	--	<10	--	<2	50	<0.020

QUALITY OF GROUND WATER

215

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)		
404515073225501		S 30506	211MGTY	85-04-09	614	18	5.5	0.18	11	0.90		
			211MGTY	85-08-13	614	17	5.9	0.54	4	1.1		
405336073202301		S 30762	112GLCLU	85-03-11	479	88	6.3	0.20	25	6.3		
			112GLCLU	85-07-14	479	116	5.9	0.26	40	10		
405411072232901		S 31037	211MGTY	85-02-06	290	171	6.7	0.42	54	9.4		
			211MGTY	85-05-20	290	150	5.9	0.28	35	10		
404155073212205		S 31038	211MGTY	85-04-09	528	27	5.0	0.32	6	0.80		
			211MGTY	85-08-11	528	22	5.2	0.38	5	1.0		
405253073263401		S 31039	112GLCLU	85-04-24	343	61	6.7	0.21	39	4.5		
404703073164401		S 31104	211MGTY	85-02-07	658	56	6.0	0.16	15	3.9		
			211MGTY	85-06-13	658	51	5.9	0.30	24	6.1		
404754073132602		S 31624	211MGTY	85-04-23	439	51	5.8	0.23	15	6.6		
			211MGTY	85-09-09	439	42	5.8	0.46	7	2.3		
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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (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)
85-04-09	0.27	2.3	0.23	8.0	<0.50	2.5	20	<0.050	<0.010	<0.100	<0.5	<5
85-08-13	0.30	2.4	0.25	8.0	<0.50	1.5	19	0.050	<0.010	0.170	--	--
85-03-11	1.8	6.2	0.71	16	1.1	8.0	61	4.0	<0.010	<0.100	<0.5	<5
85-07-14	3.3	7.6	1.0	12	8.2	11	86	6.4	<0.010	<0.100	--	--
85-02-06	3.7	16	0.73	17	7.0	37	97	0.84	<0.010	<0.100	<0.5	<5
85-05-20	3.6	16	0.75	16	8.6	34	95	0.67	<0.010	0.100	--	--
85-04-09	0.56	3.4	0.36	7.0	3.3	3.0	25	<0.050	<0.010	1.78	<0.5	<5
85-08-11	0.56	2.6	0.48	7.0	3.3	3.0	25	0.070	<0.010	0.450	--	--
85-04-24	1.9	5.5	0.79	18	0.80	5.5	49	2.2	<0.010	<0.100	<0.5	<5
85-02-07	1.1	4.0	0.40	12	3.2	6.0	39	0.95	<0.010	<0.100	<0.5	<5
85-06-13	1.3	4.5	0.76	14	5.8	5.0	45	0.85	<0.010	<0.100	--	--
85-04-23	1.3	4.9	0.40	15	0.50	5.5	45	1.8	<0.010	<0.100	<0.5	<5
85-09-09	0.67	3.3	0.30	12	2.4	2.0	28	0.12	<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)				
85-04-09	60	<30	--	<10	--	<2	20	<0.020				
85-08-13	20	<30	<5	<10	--	--	30	<0.020				
85-03-11	2500	<30	--	10	--	<2	50	<0.020				
85-07-14	<20	<30	<5	<10	--	--	20	<0.020				
85-02-06	<20	280	--	20	--	<2	<20	<0.020				
85-05-20	<20	<30	<5	30	--	--	<20	<0.020				
85-04-09	20	260	--	20	--	<2	<20	<0.020				
85-08-11	140	340	<5	20	--	--	170	<0.020				
85-04-24	<20	<30	--	10	--	<2	40	<0.020				
85-02-07	90	<30	--	<10	--	<2	<20	<0.020				
85-06-13	30	30	<5	10	--	--	150	<0.020				
85-04-23	60	<30	--	<10	--	<2	150	<0.020				
85-09-09	30	<30	<5	<10	--	--	<20	<0.020				

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)		
405838072114201		S 31653	211MGTY	85-02-18	466	211	6.2	0.36	40	9.7		
			211MGTY	85-06-04	466	200	6.0	0.53	62	9.4		
404616073035701		S 31913	112GLCLU	85-04-18	160	90	6.4	0.29	26	7.3		
			112GLCLU	85-08-30	160	100	5.9	0.35	34	7.7		
405512073010501		S 32180	211MGTY	85-02-25	341	112	6.9	0.56	38	12		
			211MGTY	85-06-13	341	108	6.0	0.40	32	8.8		
405113073105901		S 32287	211MGTY	85-02-04	290	138	7.0	0.27	50	11		
			211MGTY	85-05-12	290	128	6.4	--	50	11		
405354073021201		S 32325	112GLCLU	85-03-05	354	73	6.8	0.32	27	7.8		
			112GLCLU	85-06-12	354	65	6.9	0.34	30	6.9		
405351073021201		S 32326	112GLCLU	85-02-25	160	97	5.7	--	23	4.7		
			112GLCLU	85-06-13	160	102	6.2	--	30	5.2		
404046073252101		S 32501	211MGTY	85-01-29	632	39	5.1	0.18	5	0.80		
			211MGTY	85-05-21	632	28	5.5	1.3	5	2.3		
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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (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)
85-02-18	4.4	25	0.68	13	7.5	55	--	<0.050	<0.010	0.660	<0.5	<5
85-06-04	4.5	26	0.73	14	9.5	55	124	<0.050	<0.010	0.950	--	--
85-04-18	1.8	7.8	0.81	20	7.1	10	63	1.6	<0.010	0.200	<0.5	<5
85-08-30	2.1	9.3	1.0	19	10	10	72	2.2	<0.010	<0.100	--	--
85-02-25	3.5	8.1	0.79	31	7.7	10	85	3.2	<0.010	<5.00	<0.5	<5
85-06-13	3.0	8.9	0.76	23	7.7	9.5	79	3.8	<0.010	<0.100	--	--
85-02-04	4.9	8.1	1.2	41	9.7	11	89	1.7	<0.010	0.140	<0.5	<5
85-05-12	5.0	8.7	1.1	42	8.9	11	89	1.8	<0.010	0.110	--	--
85-03-05	2.1	4.1	0.53	31	4.4	5.0	53	0.15	<0.010	0.230	<0.5	<5
85-06-12	2.2	4.0	0.50	31	2.7	4.0	49	0.090	<0.010	0.140	--	--
85-02-25	3.1	8.5	1.0	12	10	9.0	66	2.9	<0.010	<0.100	<0.5	<5
85-06-13	3.1	8.9	1.0	17	8.6	11	70	2.8	<0.010	<0.100	--	--
85-01-29	0.22	3.5	0.32	5.0	3.1	3.5	23	<0.050	<0.010	1.85	<0.5	<5
85-05-21	0.20	4.3	0.38	7.0	2.7	2.0	25	<0.050	<0.010	1.10	--	--
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)				
85-02-18	<20	910	--	50	--	<2	40	<0.020				
85-06-04	<20	720	<5	50	--	--	<20	<0.020				
85-04-18	40	<30	--	30	--	<2	20	<0.020				
85-08-30	20	<30	<5	40	--	--	70	<0.020				
85-02-25	60	--	--	<10	--	<2	<20	<0.020				
85-06-13	<20	<30	<5	10	--	--	70	<0.020				
85-02-04	30	<30	--	20	--	<2	140	<0.020				
85-05-12	40	<30	<5	<10	--	--	<20	<0.020				
85-03-05	40	<30	--	<10	--	--	<20	<0.020				
85-06-12	<20	<30	--	<10	--	--	20	<0.020				
85-02-25	50	<30	--	20	--	<2	<20	<0.020				
85-06-13	<20	<30	--	10	--	--	<20	<0.020				
85-01-29	20	430	--	<10	--	<2	50	<0.020				
85-05-21	70	810	<5	10	<0.20	--	<20	<0.020				

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)			
405030073032101	S 32551	112GLCLU	85-03-04	245	241	6.2	0.19	68	16			
		112GLCLU	85-07-07	245	210	6.4	0.30	68	16			
405030073032102	S 32552	112GLCLU	85-03-04	244	246	6.2	0.30	62	15			
		112GLCLU	85-07-08	244	215	6.2	0.36	70	15			
404317073201801	S 33005	211MGTY	85-01-20	681	28	5.6	0.38	6	2.0			
		211MGTY	85-05-08	681	30	5.3	0.42	5	1.0			
405132073155901	S 33006	211MGTY	85-01-23	504	39	6.2	0.15	11	2.4			
		211MGTY	85-05-07	504	35	6.1	0.26	6	2.5			
404808073100101	S 33308	112GLCLU	85-04-21	132	192	6.0	0.18	50	11			
		112GLCLU	85-09-02	132	160	6.0	0.49	41	10			
405336073073601	S 33500	211MGTY	85-02-27	551	33	6.1	0.41	8	1.8			
		211MGTY	85-07-09	551	28	6.0	0.49	7	1.6			
405415073204801	S 33820	211MGTY	85-03-10	408	216	6.8	0.14	81	20			
		211MGTY	85-07-16	408	195	6.9	0.55	88	20			
DATE OF SAMPLE	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS Mg)	SODIUM, TOTAL RECOVERABLE (MG/L AS Na)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY LAB (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (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)
85-03-04	6.9	18	1.4	28	14	44	141	2.7	<0.010	<0.100	<0.5	<5
85-07-07	6.8	19	1.4	30	14	45	144	2.8	<0.010	<0.100	--	--
85-03-04	6.4	24	1.2	32	14	41	150	4.3	<0.010	<0.100	<0.5	<5
85-07-08	6.3	23	1.2	33	15	42	154	0.46	<0.010	<0.100	--	--
85-01-20	0.36	3.8	0.37	6.0	0.50	3.0	23	<0.050	<0.010	1.85	<0.5	<5
85-05-08	0.38	5.2	0.34	7.0	2.1	2.5	25	<0.050	<0.010	3.99	--	--
85-01-23	0.81	3.6	0.43	11	0.90	3.5	32	1.0	<0.010	0.120	<0.5	<5
85-05-07	0.77	3.4	0.40	12	1.2	3.5	33	1.0	<0.010	<0.100	--	--
85-04-21	4.1	21	1.9	20	14	34	129	4.6	<0.010	<0.100	<0.5	<5
85-09-02	3.7	19	1.9	21	14	26	118	4.3	<0.010	<0.100	--	--
85-02-27	0.69	3.3	0.33	12	1.1	3.0	27	0.090	<0.010	<0.100	<0.5	<5
85-07-09	0.69	3.1	0.34	12	1.3	3.5	27	0.080	<0.010	<0.100	--	--
85-03-10	8.0	12	1.6	56	14	18	137	4.2	<0.010	0.360	<0.5	<5
85-07-16	7.9	12	1.6	58	15	16	138	4.4	<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)				
85-03-04	40	<30	--	10	--	<2	<20	<0.020				
85-07-07	<20	<30	<5	20	--	--	30	<0.020				
85-03-04	20	<30	--	<10	--	<2	<20	<0.020				
85-07-08	<20	<30	<5	20	--	--	<20	<0.020				
85-01-20	30	--	--	<10	--	<2	80	<0.020				
85-05-08	40	190	<5	<10	<0.20	--	<20	<0.020				
85-01-23	20	<30	--	<10	--	<2	<20	<0.020				
85-05-07	<20	<30	<5	<10	<0.20	--	<20	<0.020				
85-04-21	70	<30	--	80	--	<2	<20	<0.020				
85-09-02	60	<30	<5	90	--	--	<20	<0.020				
85-02-27	40	<30	--	<10	--	<2	<20	<0.020				
85-07-09	<20	<30	<5	30	--	--	<20	<0.020				
85-03-10	20	<30	--	<10	--	<2	<20	<0.020				
85-07-16	<20	<30	<5	10	--	--	<20	--				

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)		
405257073202902		S 33970	112GLCLU 112GLCLU	85-03-12 85-07-17	608 608	60 47	6.7 6.3	0.29 0.21	20 14	5.6 4.3		
405512073010502		S 34007	211MGTY 211MGTY	85-02-26 85-06-12	345 345	-- 60	6.6 6.6	0.21 0.34	45 17	13 5.3		
404536073210801		S 34030	211MGTY 211MGTY	85-04-09 85-08-15	538 538	25 24	5.0 5.1	0.35 0.40	5 4	1.0 1.1		
404534073210801		S 34031	211MGTY 211MGTY	85-04-10 85-08-15	521 521	22 21	5.0 5.2	0.34 0.51	5 5	0.90 1.2		
405615073051501		S 34300	211MGTY	85-07-11	450	51	6.4	0.31	15	4.0		
405613073051501		S 34301	211MGTY 211MGTY	85-02-27 85-07-16	535 535	28 28	6.2 6.1	0.22 0.32	12 7	1.7 1.7		
405246073142801		S 34460	211MGTY 211MGTY	85-01-24 85-05-05	599 599	40 27	6.0 6.0	0.15 0.20	9 8	2.7 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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (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)
85-03-12	1.0	4.3	0.48	17	1.0	6.0	37	1.8	<0.010	<0.100	<0.5	<5
85-07-17	0.91	4.3	0.52	13	0.70	3.0	39	1.9	<0.010	<0.100	--	--
85-02-26	3.5	8.0	0.80	30	11	9.0	90	3.7	<0.010	<0.100	<0.5	<5
85-06-12	1.5	5.2	0.53	17	3.6	4.5	45	1.2	<0.010	<0.100	--	--
85-04-09	0.27	3.2	0.33	7.0	1.7	3.0	25	0.42	<0.010	<0.100	<0.5	<5
85-08-15	0.28	3.2	0.50	7.0	<0.50	3.5	24	0.50	<0.010	0.110	--	--
85-04-10	0.20	3.0	0.27	8.0	1.8	2.0	22	0.060	<0.010	<0.100	<0.5	<5
85-08-15	0.23	3.1	0.41	7.0	1.2	3.5	23	0.080	<0.010	0.400	--	--
85-07-11	1.2	4.8	0.50	19	1.1	4.5	39	0.51	<0.010	<0.100	--	--
85-02-27	0.67	3.1	0.29	13	1.2	3.5	27	<0.050	<0.010	<0.100	<0.5	<5
85-07-16	0.64	3.1	0.34	12	0.90	3.0	26	<0.050	<0.010	--	--	--
85-01-24	0.69	3.3	0.41	10	2.6	3.0	30	0.44	<0.010	<0.100	<0.5	<5
85-05-05	0.54	2.9	0.33	11	1.1	3.0	26	0.25	<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)				
85-03-12	30	<30	--	<10	--	<2	20	<0.020				
85-07-17	30	<30	<5	10	--	--	30	<0.020				
85-02-26	50	<30	--	<10	--	<2	<20	<0.020				
85-06-12	30	<30	<5	20	--	--	40	<0.020				
85-04-09	70	<30	--	<10	--	<2	<20	<0.020				
85-08-15	20	--	<5	10	--	--	60	<0.020				
85-04-10	70	30	--	10	--	<2	<20	<0.020				
85-08-15	20	60	<5	10	--	--	80	<0.020				
85-07-11	<20	<30	<5	20	--	--	<20	<0.020				
85-02-27	60	<30	--	10	--	<2	<20	<0.020				
85-07-16	40	<30	<5	30	--	--	<20	<0.020				
85-01-24	50	<30	--	<10	--	<2	<20	<0.020				
85-05-05	340	<30	<5	<10	<0.20	--	40	--				

QUALITY OF GROUND WATER

219

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)		
404203073242202		S 34595	211MGTY	85-05-07	482	31	5.0	0.27	5	1.1		
404512073112201		S 35033	211MGTY	85-04-28	317	49	6.3	0.36	11	2.9		
			211MGTY	85-09-03	317	92	6.0	1.6	28	6.2		
405336073073602		S 35446	211MGTY	85-03-05	345	83	6.2	0.14	24	6.3		
			211MGTY	85-07-10	345	71	6.1	0.44	22	6.7		
405155073045201		S 35494	112GLCLU	85-03-27	429	69	6.8	0.24	28	5.5		
			112GLCLU	85-07-31	429	57	6.4	0.41	28	5.2		
405140073190801		S 35939	211MGTY	85-01-24	533	130	6.0	0.15	36	9.6		
			211MGTY	85-05-05	533	118	6.0	0.29	39	9.8		
405445073063801		S 36166	211MGTY	85-03-12	433	34	6.2	0.39	8	2.1		
			211MGTY	85-06-27	433	29	6.2	0.23	12	2.7		
405409073061401		S 36459	211MGTY	85-02-28	523	74	6.3	0.11	20	5.1		
			211MGTY	85-07-10	523	56	6.4	0.28	26	4.2		
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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (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)
85-05-07	0.48	4.0	0.45	6.0	3.7	3.0	25	<0.050	<0.010	1.77	--	--
85-04-28	1.4	4.6	0.44	17	2.4	5.0	37	0.17	<0.010	2.38	<0.5	<5
85-09-03	2.4	9.3	0.70	24	5.2	10	61	0.72	<0.010	<0.100	--	--
85-03-05	2.0	5.4	0.50	16	4.2	7.5	56	2.5	<0.010	<0.100	<0.5	<5
85-07-10	2.1	5.1	0.49	14	4.7	6.0	53	2.4	<0.010	<0.100	--	--
85-03-27	2.0	4.6	0.46	28	3.2	2.0	44	<0.050	<0.010	<0.100	<0.5	<5
85-07-31	2.0	4.6	0.53	27	2.7	1.5	42	<0.050	<0.010	<0.100	--	--
85-01-24	3.5	7.1	0.95	10	13	10	82	5.0	<0.010	<0.100	<0.5	<5
85-05-05	3.4	6.9	0.92	10	13	11	87	5.8	<0.010	<0.100	--	--
85-03-12	0.79	3.6	0.36	13	1.2	5.0	31	0.18	<0.010	<0.100	<0.5	<5
85-06-27	0.82	3.3	0.35	13	0.70	2.0	28	0.23	<0.010	<0.100	--	--
85-02-28	1.6	6.2	0.54	18	1.4	6.5	50	1.9	<0.010	<0.100	<0.5	<5
85-07-10	1.5	5.3	0.44	18	1.5	5.0	44	1.4	<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)				
85-05-07	80	320	<5	20	<0.20	--	40	<0.020				
85-04-28	50	290	--	<10	--	<2	<20	<0.020				
85-09-03	100	<30	<5	10	--	--	<20	<0.020				
85-03-05	50	<30	--	<10	--	<2	<20	<0.020				
85-07-10	<20	<30	<5	<10	--	--	20	<0.020				
85-03-27	20	<30	--	10	--	<2	<20	<0.020				
85-07-31	30	<30	<5	<10	--	--	30	<0.020				
85-01-24	70	<30	--	<10	--	<2	<20	<0.020				
85-05-05	40	<30	--	<10	<0.20	--	40	<0.020				
85-03-12	30	<30	--	<10	--	<2	<20	<0.020				
85-06-27	<20	<30	<5	<10	--	--	<20	<0.020				
85-02-28	20	<30	--	<10	--	<2	<20	<0.020				
85-07-10	<20	<30	<5	<10	--	--	20	<0.020				

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)		
404627073070901		S 36460	211MGTY	85-02-14	611	34	5.9	0.61	9	1.8		
			211MGTY	85-06-11	611	31	5.9	0.47	18	2.7		
405335072562901		S 36711	112GLCLU	85-03-26	143	95	7.1	0.32	34	9.0		
404458073182502		S 36714	211MGTY	85-02-21	308	37	6.1	0.37	11	2.7		
			211MGTY	85-06-13	308	31	7.0	0.30	14	2.7		
404219073190401		S 36748	211MGTY	85-01-27	336	42	5.7	0.22	7	1.6		
			211MGTY	85-04-09	336	28	5.4	0.21	9	1.2		
			211MGTY	85-08-15	336	26	5.3	0.39	5	1.5		
405014073161401		S 36791	211MGTY	85-02-24	674	57	6.5	0.16	18	4.4		
			211MGTY	85-06-04	674	53	6.3	0.55	19	4.0		
405321073232401		S 36869	211MGTY	85-04-24	353	94	6.4	0.26	30	7.0		
			211MGTY	85-08-17	353	93	6.2	0.43	28	7.7		
404923073162801		S 36976	211MGTY	85-05-12	418	38	5.7	0.33	11	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 LAB (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (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)
85-02-14	0.80	2.9	0.33	8.0	5.8	4.0	30	<0.050	<0.010	<0.100	<0.2	<5
85-06-11	0.81	3.2	0.38	8.0	5.8	2.0	29	<0.050	<0.010	0.560	--	--
85-03-26	2.9	6.2	0.68	31	10	7.0	67	0.55	<0.010	0.110	<0.5	<5
85-02-21	0.92	3.2	0.42	15	0.90	3.0	29	<0.050	<0.010	<0.100	<0.5	<5
85-06-13	0.90	3.2	0.43	17	1.5	2.0	30	<0.050	<0.010	<0.100	--	--
85-01-27	0.96	5.0	0.54	6.0	4.7	4.0	29	<0.050	<0.010	1.31	<0.2	<5
85-04-09	0.72	3.3	0.46	7.0	3.5	3.5	26	<0.050	<0.010	<0.100	<0.5	<5
85-08-15	0.56	4.2	0.45	9.0	1.9	2.5	26	<0.050	<0.010	1.35	--	--
85-02-24	1.7	3.9	0.57	21	0.90	3.5	40	0.74	<0.010	<0.100	<0.5	<5
85-06-04	1.5	3.7	0.48	21	1.4	3.5	40	0.87	<0.010	<0.100	--	--
85-04-24	2.8	6.3	0.65	19	4.7	7.5	66	3.6	<0.010	<0.100	<0.5	<5
85-08-17	2.8	6.5	0.71	21	5.2	6.0	67	3.6	<0.010	<0.100	--	--
85-05-12	1.7	3.0	0.40	10	0.50	4.5	35	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)				
85-02-14	60	270	--	<10	--	<2	<20	<0.020				
85-06-11	30	--	5	10	--	--	30	<0.020				
85-03-26	20	<30	--	<10	--	<2	<20	<0.020				
85-02-21	<20	<30	--	<10	--	<2	<20	<0.020				
85-06-13	<20	<30	<5	<10	--	--	<20	<0.020				
85-01-27	<20	550	--	<10	--	<2	20	<0.020				
85-04-09	10	670	--	10	--	<2	<20	<0.020				
85-08-15	<20	340	<5	10	--	--	40	<0.020				
85-02-24	<20	<30	--	<10	--	<2	<20	<0.020				
85-06-04	<20	<30	<5	<10	<0.20	--	<20	<0.020				
85-04-24	30	<30	--	<10	--	<2	<20	<0.020				
85-08-17	<20	<30	<5	<10	--	--	<20	<0.020				
85-05-12	<20	<30	<5	10	<0.20	--	30	<0.020				

QUALITY OF GROUND WATER

221

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)		
404510073112301		S 37140	112GLCLU	85-05-05	330	38	6.0	3.0	9	2.4		
			112GLCLU	85-09-02	330	68	7.0	0.44	28	7.9		
404753073132401		S 37141	211MGTY	85-02-04	429	36	6.3	0.38	10	2.3		
			211MGTY	85-05-07	429	29	6.4	0.31	30	2.0		
			211MGTY	85-09-02	429	42	6.0	4.0	6	2.3		
405200073085801		S 37174	211MGTY	85-03-17	309	103	6.9	0.22	46	11		
			211MGTY	85-08-05	309	93	7.3	0.35	44	9.5		
405409073061402		S 37301	211MGTY	85-03-06	315	85	6.5	0.15	26	7.9		
			211MGTY	85-07-16	315	64	6.3	0.34	34	8.2		
405141073191001		S 37351	211MGTY	85-01-27	609	103	6.3	0.15	30	7.3		
			211MGTY	85-05-07	609	94	5.8	0.31	26	8.1		
404717072595603		S 37494	211MGTY	85-02-03	622	106	6.7	0.11	32	9.4		
			211MGTY	85-05-27	622	44	6.1	0.31	15	4.3		
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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (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)
85-05-05	0.92	4.1	0.41	12	1.1	5.5	33	0.53	<0.010	0.100	<0.5	<5
85-09-02	0.97	3.8	0.44	30	2.1	2.0	46	0.27	<0.010	<0.100	--	--
85-02-04	0.66	3.3	0.31	13	0.90	3.0	27	<0.050	<0.010	0.120	<0.5	<5
85-05-07	0.66	3.3	0.27	14	0.50	3.5	25	<0.050	<0.010	<0.100	<0.5	<5
85-09-02	0.69	3.2	0.31	13	<0.50	2.0	25	<0.050	<0.010	<0.100	--	--
85-03-17	4.4	6.7	0.92	42	7.6	6.0	76	0.95	<0.010	0.820	<0.5	<5
85-08-05	3.9	5.3	1.2	44	7.1	3.0	66	<0.050	<0.010	0.140	--	--
85-03-06	1.6	0.50	0.52	26	2.2	5.5	56	1.8	<0.010	<0.100	<0.5	<5
85-07-16	2.2	5.8	0.45	22	2.6	5.0	56	2.0	<0.010	<0.100	--	--
85-01-27	2.6	6.6	0.92	9.0	4.0	8.5	71	6.0	<0.010	<0.100	<0.5	<5
85-05-07	2.6	6.2	0.84	9.0	3.8	9.0	73	6.3	<0.010	<0.100	--	--
85-02-03	2.3	7.3	0.81	24	9.4	8.5	71	2.2	<0.010	0.160	<0.5	<5
85-05-27	1.0	3.6	0.42	17	2.0	3.0	35	0.32	<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)				
85-05-05	30	190	--	<10	--	<2	<20	<0.020				
85-09-02	20	180	<5	<10	--	--	<20	<0.020				
85-02-04	100	<30	--	<10	--	<2	20	<0.020				
85-05-07	40	<30	--	<10	--	<2	<20	<0.020				
85-09-02	20	<30	<5	<10	--	--	<20	<0.020				
85-03-17	40	<30	--	<10	--	<2	<20	<0.020				
85-08-05	20	<30	--	280	--	--	<20	<0.020				
85-03-06	<20	<30	--	<10	--	<2	<20	<0.020				
85-07-16	220	40	--	<10	--	--	<20	<0.020				
85-01-27	60	<30	--	<10	--	<2	<20	<0.020				
85-05-07	60	<30	<5	<10	<0.20	--	20	<0.020				
85-02-03	<20	<30	--	<10	--	<2	<20	<0.020				
85-05-27	<20	<30	<5	20	--	--	90	<0.020				

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)		
404236073225001		S 37681	211MGTY	85-01-21	583	35	4.9	0.24	5	0.80		
			211MGTY	85-05-15	583	37	4.8	0.24	10	0.70		
404932073060301		S 37847	112GLCLU	85-03-24	349	81	6.4	0.11	29	5.8		
			112GLCLU	85-08-12	349	94	6.1	0.31	34	6.7		
404406073193401		S 37861	211MGTY	85-04-17	636	28	5.7	2.5	5	1.2		
			211MGTY	85-08-12	636	31	5.1	1.4	6	1.6		
404427073073203		S 37963	211MGTY	85-04-23	292	54	6.3	0.46	24	2.1		
			211MGTY	85-08-19	292	65	6.2	0.68	15	3.1		
404531073150103		S 38192	211MGTY	85-09-10	600	91	5.4	0.68	24	7.4		
405652072590002		S 38194	112GLCLU	85-02-25	733	58	6.5	0.18	18	4.6		
			112GLCLU	85-06-13	733	51	6.4	0.34	17	5.0		
404756073025502		S 38320	112GLCLU	85-04-24	173	50	5.8	0.19	21	3.9		
			112GLCLU	85-08-29	173	100	5.8	0.32	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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (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)
85-01-21	0.37	3.3	0.38	4.0	4.6	2.5	23	<0.050	<0.010	0.220	<0.5	<5
85-05-15	0.37	3.1	0.36	4.0	3.4	5.0	24	<0.050	<0.010	3.81	--	--
85-03-24	2.3	6.8	0.62	24	5.6	8.0	58	1.1	<0.010	<0.100	<0.5	<5
85-08-12	2.8	8.1	0.78	24	5.0	9.0	64	1.7	<0.010	<0.100	--	--
85-04-17	0.52	2.7	0.38	6.0	5.2	3.0	26	<0.050	<0.010	0.100	<0.5	<5
85-08-12	0.53	4.0	0.46	7.0	4.0	3.0	27	<0.050	<0.010	1.85	--	--
85-04-23	2.3	5.6	1.2	23	3.9	3.5	42	<0.050	<0.010	0.930	<0.5	<5
85-08-19	2.4	4.8	1.3	23	4.7	3.0	39	<0.050	<0.010	0.200	--	--
85-09-10	2.4	7.3	0.51	15	13	7.5	62	1.2	<0.010	<0.100	--	--
85-02-25	1.8	4.7	0.58	26	1.1	5.0	43	0.16	<0.010	<0.100	<0.5	<5
85-06-13	1.8	4.5	0.57	24	1.4	3.0	40	0.080	<0.010	<0.100	--	--
85-04-24	1.2	4.1	0.41	15	6.2	3.5	38	<0.050	<0.010	<0.100	<0.5	<5
85-08-29	2.3	10	1.4	12	9.9	14	74	2.8	<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)				
85-01-21	20	510	--	20	--	<2	40	<0.020				
85-05-15	<20	370	<5	<10	<0.20	--	30	<0.020				
85-03-24	50	<30	--	<10	--	<2	<20	<0.020				
85-08-12	<20	<30	<5	10	--	--	<20	<0.020				
85-04-17	30	410	--	10	--	<2	30	<0.020				
85-08-12	<20	400	<5	<10	--	--	30	<0.020				
85-04-23	<20	900	--	20	--	<2	<20	<0.020				
85-08-19	<20	790	<5	20	--	--	<20	<0.020				
85-09-10	<20	260	<5	10	--	--	<20	<0.020				
85-02-25	30	<30	--	<10	--	<2	<20	<0.020				
85-06-13	<20	<30	<5	10	--	--	80	<0.020				
85-04-24	<20	40	--	20	--	<2	30	<0.020				
85-08-29	<20	<30	<5	80	--	--	120	<0.020				

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STAND- ARD UNITS)	TUR- BID- ITY (NTU)	HARD- NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)		
404754073024404		S 38321	211MGTY 211MGTY	85-04-25 85-08-29	303 303	46 58	6.3 5.9	0.30 0.49	18 22	3.4 4.2		
404921073122703		S 38491	211MGTY 211MGTY	85-02-10 85-05-14	383 383	40 36	6.1 6.2	0.20 0.45	15 9	2.8 2.9		
404805073051501		S 38701	112GLCLU 112GLCLU	85-04-18 85-08-30	202 202	44 --	6.4 5.4	0.37 0.30	14 35	3.6 9.0		
405236073045602		S 38784	211MGTY 211MGTY	85-03-25 85-08-07	604 604	23 19	5.9 6.1	0.32 0.33	9 11	1.4 1.5		
405136073235701		S 38785	112GLCLU 112GLCLU	85-04-24 85-08-19	694 694	49 53	6.9 6.4	0.14 0.55	17 16	3.9 3.9		
405418073064902		S 38916	211MGTY 211MGTY	85-03-06 85-06-27	845 845	33 26	6.2 6.1	0.21 0.30	9 15	2.1 2.4		
405919072170201		S 38917	112GLCLU 112GLCLU	85-02-27 85-06-08	174 174	83 61	6.9 6.1	0.15 0.39	23 15	7.1 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)
85-04-25	1.4	3.8	0.38	16	5.5	3.5	38	<0.050	<0.010	<0.100	<0.5	<5
85-08-29	1.6	4.9	0.46	16	9.4	4.0	46	0.51	<0.010	<0.100	--	--
85-02-10	0.93	3.7	0.40	16	1.3	4.0	32	0.060	<0.010	<0.100	<0.5	<5
85-05-14	--	3.7	0.46	15	1.0	3.0	30	<0.050	<0.050	<0.100	--	--
85-04-18	1.1	3.9	0.42	18	2.3	3.0	35	0.070	<0.010	<0.100	<0.5	<5
85-08-30	3.2	14	2.2	13	14	17	103	5.7	<0.010	<0.100	--	--
85-03-25	0.39	2.6	0.24	10	<0.50	3.5	23	<0.050	<0.010	<0.100	<0.5	<5
85-08-07	0.39	2.6	0.25	10	<0.50	1.5	22	0.070	<0.010	<0.100	--	--
85-04-24	1.5	4.7	0.44	20	<0.50	4.0	40	0.93	<0.010	<0.100	<0.5	<5
85-08-19	1.5	5.0	0.43	20	0.50	2.5	40	1.1	<0.010	<0.100	--	--
85-03-06	0.80	3.3	0.35	13	2.2	4.5	30	<0.050	<0.010	<0.100	<0.5	<5
85-06-27	0.76	2.9	0.38	12	1.8	1.5	26	<0.050	<0.010	<0.100	--	--
85-02-27	1.5	6.8	0.44	23	5.5	9.0	54	0.16	<0.010	<0.100	<0.5	<5
85-06-08	1.5	6.8	0.54	15	6.3	9.0	47	0.19	<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)				
85-04-25	<20	<30	--	<10	--	<2	<20	<0.020				
85-08-29	<20	<30	<5	20	--	--	30	<0.020				
85-02-10	30	<30	--	<10	--	<2	<20	<0.020				
85-05-14	<20	<30	<5	<10	--	--	<20	<0.020				
85-04-18	30	<30	--	<10	--	<2	<20	<0.020				
85-08-30	<20	<30	<5	120	--	--	20	<0.020				
85-03-25	<20	<30	--	10	--	<2	<20	<0.020				
85-08-07	<20	<30	<5	10	--	--	<20	<0.020				
85-04-24	<20	<30	--	10	--	<2	<20	<0.020				
85-08-19	30	<30	<5	<10	--	--	<20	<0.020				
85-03-06	<20	<30	--	<10	--	<2	<20	<0.020				
85-06-27	<20	<30	<5	<10	--	--	<20	<0.020				
85-02-27	40	<30	--	<10	--	<2	<20	<0.020				
85-06-08	70	<30	<5	10	--	--	<30	<0.020				

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)		
404358073181801		S 39024	211MGTY	85-04-09	623	20	4.9	1.0	6	0.80		
			211MGTY	85-08-11	623	21	5.0	0.36	12	0.80		
405054073050901		S 39347	112GLCLU	85-03-04	176	165	5.0	0.16	42	10		
			112GLCLU	85-07-08	176	144	5.9	0.19	42	10		
404614073123001		S 39531	211MGTY	85-05-13	289	136	5.9	0.26	38	10		
			211MGTY	85-09-08	289	130	5.6	1.2	42	9.8		
405342073203903		S 39536	112GLCLU	85-03-11	615	136	6.1	0.15	45	11		
			112GLCLU	85-07-14	615	136	6.0	0.26	53	12		
405335072562902		S 40161	112GLCLU	85-03-26	138	128	7.4	0.16	49	14		
			112GLCLU	85-07-28	138	94	6.8	0.36	36	10		
405221073021201		S 40331	112GLCLU	85-03-25	694	93	6.2	0.15	28	6.5		
			112GLCLU	85-07-29	694	84	6.3	0.35	30	6.8		
404604073175203		S 40497	211MGTY	85-02-19	284	30	6.0	0.36	6	2.1		
			211MGTY	85-06-11	284	24	6.0	0.28	13	2.3		
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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (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)
85-04-09	0.33	2.3	0.24	7.0	2.1	2.5	22	<0.050	<0.010	<0.100	<0.5	<5
85-08-11	0.32	3.1	0.26	6.0	1.4	2.5	21	<0.050	<0.010	1.35	--	--
85-03-04	4.4	13	1.8	16	15	15	108	6.2	<0.010	<0.100	<0.5	<5
85-07-08	4.3	13	1.9	17	15	15	107	6.3	<0.010	<0.100	--	--
85-05-13	3.5	12	0.62	20	5.2	16	95	5.7	<0.010	<0.100	<0.5	<5
85-09-08	3.5	12	0.72	23	4.4	17	98	6.0	<0.010	<0.100	--	--
85-03-11	4.2	7.5	0.89	13	15	12	87	5.6	<0.010	<0.100	<0.5	<5
85-07-14	4.5	7.8	1.0	13	16	10	97	6.3	<0.010	<0.100	--	--
85-03-26	3.2	6.2	0.83	48	11	5.0	81	0.10	<0.010	0.210	--	<5
85-07-28	2.8	6.2	1.0	31	10	5.0	66	0.63	<0.010	0.100	--	--
85-03-25	2.6	6.7	0.65	19	6.6	7.0	62	2.6	<0.010	<0.100	<0.5	<5
85-07-29	2.6	6.8	0.69	20	5.7	6.0	61	2.6	<0.010	<0.100	--	--
85-02-19	0.55	2.9	0.38	10	1.7	3.0	--	<0.050	<0.010	<0.100	<0.5	<5
85-06-11	0.56	2.9	0.38	1.0	1.7	2.0	26	<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)				
85-04-09	<20	200	--	10	--	<2	20	<0.020				
85-08-11	<20	220	<5	<10	--	--	<20	<0.020				
85-03-04	<20	<30	--	50	--	<2	310	<0.020				
85-07-08	<20	<30	<5	30	--	--	<20	<0.020				
85-05-13	30	<30	--	<10	--	<2	<20	<0.020				
85-09-08	<20	<30	<5	<10	--	--	<20	<0.020				
85-03-11	<20	30	--	<10	--	<2	<20	<0.020				
85-07-14	90	<30	<5	<10	--	--	20	<0.020				
85-03-26	20	<30	--	10	--	<2	<20	<0.020				
85-07-28	<20	<30	<5	10	--	--	220	<0.020				
85-03-25	<20	<30	--	<10	--	<2	<20	<0.020				
85-07-29	<20	<30	<5	<10	--	--	20	<0.020				
85-02-19	20	<30	--	10	--	<2	20	<0.020				
85-06-11	<20	<30	<5	<10	--	--	20	<0.020				

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)		
404232073204103		S 40498	211MGTY	85-04-18	748	20	4.5	0.31	15	0.60		
			211MGTY	85-08-12	748	19	5.1	0.34	4	0.70		
405222073211901		S 40709	112GLCLU	85-03-27	485	104	6.8	0.21	35	9.7		
			112GLCLU	85-08-14	485	54	6.9	0.32	21	4.6		
405207073131401		S 40710	112GLCLU	85-02-04	463	37	5.9	0.16	10	1.9		
			112GLCLU	85-05-19	463	32	6.6	0.30	12	1.8		
405209073131401		S 40711	112GLCLU	85-01-28	273	102	6.0	0.14	23	5.2		
			112GLCLU	85-05-12	273	88	5.8	0.24	25	0.50		
405513073045501		S 40837	211MGTY	85-02-21	287	114	6.2	0.19	36	8.0		
			211MGTY	85-07-09	287	86	6.1	0.21	35	8.2		
405514073050102		S 40838	112GLCLU	85-02-26	294	142	6.1	0.18	43	9.9		
			112GLCLU	85-07-16	294	106	6.1	0.29	45	10		
405418073064901		S 40980	211MGTY	85-02-20	578	26	5.8	0.17	7	2.4		
			211MGTY	85-07-09	578	22	6.2	0.24	13	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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (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)
85-04-18	0.30	2.9	0.29	6.0	2.8	2.5	22	<0.050	<0.010	0.800	<0.5	<5
85-08-12	0.33	2.8	0.31	6.0	2.2	2.5	21	<0.050	<0.010	0.280	--	--
85-03-27	2.5	6.4	0.61	31	6.6	7.5	67	1.3	<0.010	<0.100	<0.5	<5
85-08-14	1.6	4.6	0.55	19	3.3	2.0	41	0.91	<0.010	<0.100	--	--
85-02-04	0.65	3.7	0.44	12	0.80	4.0	31	0.64	<0.010	<0.100	<0.5	<5
85-05-19	0.54	3.0	0.38	11	0.70	3.0	28	0.72	<0.010	<0.100	--	--
85-01-28	2.0	9.3	0.80	14	3.0	14	64	2.6	<0.010	<0.100	<0.5	<5
85-05-12	1.9	9.2	0.74	12	3.9	13	63	2.8	<0.010	<0.100	--	--
85-02-21	3.8	7.1	0.77	21	11	9.5	77	3.2	<0.010	<0.100	<0.5	<5
85-07-09	3.7	6.6	0.62	22	11	8.0	75	3.0	<0.010	<0.100	--	--
85-02-26	4.5	9.5	1.0	15	14	12	93	5.3	<0.010	<0.100	<0.5	<5
85-07-16	4.7	8.7	0.75	17	16	10	97	5.7	<0.010	<0.100	--	--
85-02-20	0.84	3.0	0.30	10	1.1	4.5	27	<0.050	<0.010	<0.100	<0.5	<5
85-07-09	0.51	2.8	0.28	11	0.80	2.0	24	<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)				
85-04-18	30	290	--	<10	--	<2	<20	<0.020				
85-08-12	<20	250	<5	20	--	--	20	<0.020				
85-03-27	<20	<30	--	<10	--	<2	<20	<0.020				
85-08-14	<20	<30	<5	10	--	--	20	<0.020				
85-02-04	30	<30	--	<10	--	<2	<20	<0.020				
85-05-19	20	<30	--	10	--	--	<20	<0.020				
85-01-28	60	<30	--	<10	--	<2	90	<0.020				
85-05-12	50	<30	<5	<10	--	--	<20	<0.020				
85-02-21	<20	<30	--	<10	--	<2	<20	<0.020				
85-07-09	<20	<30	<5	<10	--	--	<20	<0.020				
85-02-26	<20	<30	--	<10	--	<2	<20	<0.020				
85-07-16	<20	<30	<5	<10	--	--	<20	<0.020				
85-02-20	30	<30	--	<10	--	<2	<20	<0.020				
85-07-09	<20	<30	<5	<10	--	--	<20	<0.020				

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)		
404820073073401		S 40982	112GLCLU	85-03-04	150	291	5.6	0.21	50	10		
			112GLCLU	85-07-07	150	265	5.8	0.30	44	10		
405015073090201		S 42226	112GLCLU	85-03-18	270	250	6.8	0.36	110	22		
			112GLCLU	85-08-05	270	225	7.2	0.37	100	22		
405016073090301		S 42227	112GLCLU	85-03-19	253	207	6.9	0.24	89	19		
			112GLCLU	85-07-30	253	190	6.8	0.32	86	19		
405119073123700		S 42270	211MGTY	85-02-20	649	71	6.8	1.6	22	8.5		
			211MGTY	85-05-13	649	42	6.1	0.30	15	2.9		
405119073123702		S 42473	211MGTY	85-02-20	649	40	6.0	0.38	8	1.5		
			211MGTY	85-05-19	649	38	6.0	0.32	11	1.6		
404738072562701		S 42499	112GLCLU	85-01-30	176	128	6.0	0.30	33	4.2		
			112GLCLU	85-06-09	176	122	6.0	0.28	21	5.1		
405215073012501		S 42504	112GLCLU	85-03-26	227	150	6.1	0.18	37	8.3		
			112GLCLU	85-08-05	227	150	5.6	0.46	41	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 LAB (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (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)
85-03-04	4.0	41	3.2	12	13	71	175	3.5	<0.010	<0.100	<0.5	<5
85-07-07	4.0	42	3.2	13	16	72	182	3.7	<0.010	<0.100	--	--
85-03-18	12	13	0.78	88	8.6	18	159	4.5	<0.010	<0.100	<0.5	<5
85-08-05	12	13	0.90	86	7.3	16	155	4.8	<0.010	<0.100	--	--
85-03-19	10	9.0	0.75	80	6.0	13	130	3.0	<0.010	<0.100	<0.5	<5
85-07-30	10	9.2	0.76	76	5.3	12	126	3.1	<0.010	<0.100	--	--
85-02-20	1.3	4.8	0.79	28	3.5	4.0	49	<0.050	<0.010	<0.100	<0.5	<5
85-05-13	0.96	3.4	0.47	14	3.8	3.5	33	0.14	<0.010	<0.100	--	--
85-02-20	0.86	5.1	0.76	13	5.8	4.0	28	<0.050	<0.010	<0.100	<0.5	<5
85-05-19	0.67	4.7	0.59	13	6.2	2.5	33	<0.050	<0.010	<0.100	--	--
85-01-30	2.3	13	0.65	11	7.2	22	70	0.85	<0.010	0.110	<0.5	<5
85-06-09	2.3	16	0.68	14	6.5	25	78	1.2	<0.010	0.200	--	--
85-03-26	3.1	15	0.89	16	12	24	91	2.1	<0.010	<0.100	<0.5	<5
85-08-05	3.6	15	0.93	13	14	27	98	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)				
85-03-04	20	<30	--	90	--	<2	<20	<0.020				
85-07-07	<20	<30	<5	80	--	--	<20	<0.020				
85-03-18	30	<30	--	<10	--	<2	<20	--				
85-08-05	20	<30	<5	10	--	--	60	<0.020				
85-03-19	20	<30	--	<10	--	<2	<30	--				
85-07-30	<20	<30	<5	10	--	--	<20	<0.020				
85-02-20	20	230	--	<10	--	<2	20	<0.020				
85-05-13	30	<30	<5	<10	--	--	40	<0.020				
85-02-20	20	210	--	10	--	<2	190	<0.020				
85-05-19	40	<20	<5	<10	--	--	70	<0.020				
85-01-30	<20	<30	--	<10	--	<2	40	<0.020				
85-06-09	<20	<30	<5	<10	--	--	<20	<0.020				
85-03-26	<20	<30	--	740	--	<2	40	<0.020				
85-08-05	<20	40	<5	800	--	--	30	<0.020				

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)		
405215073012502		S 42505	112GLCLU 112GLCLU	85-03-24 85-08-04	233 233	138 125	6.1 5.8	0.31 0.45	39 41	8.9 8.6		
405054073050902		S 42760	112GLCLU 112GLCLU	85-03-06 85-07-09	173 173	177 162	5.9 5.8	0.14 0.20	49 50	12 10		
404756073025501		S 42761	211MGTY 211MGTY	85-04-23 85-08-26	333 333	50 43	6.3 6.0	1.0 0.35	14 20	3.3 3.0		
404305073161401		S 42762	211MGTY 211MGTY	85-02-20 85-06-13	714 714	30 19	5.8 5.5	0.10 0.33	3 19	0.60 0.60		
404511073112301		S 42827	211MGTY 211MGTY	85-04-30 85-09-27	663 663	35 43	6.1 6.1	0.25 4.0	12 15	2.2 3.4		
405113073260901		S 43001	112GLCLU 112GLCLU	85-04-27 85-08-16	533 533	88 100	6.2 6.1	0.19 0.42	30 45	7.6 8.4		
405256073045603		S 43117	211MGTY 211MGTY	85-03-24 85-08-04	553 553	35 31	6.3 6.0	0.24 0.58	14 18	2.1 2.0		
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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (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)
85-03-24	3.6	12	0.85	20	12	20	87	1.9	<0.010	<0.100	<0.5	<5
85-08-04	3.6	11	0.88	19	13	19	88	2.1	<0.010	<0.100	--	--
85-03-06	4.4	13	1.3	19	11	17	110	6.3	<0.010	<0.100	<0.5	<5
85-07-09	4.0	14	1.5	20	15	16	115	6.9	<0.010	0.320	--	--
85-04-23	1.3	4.1	0.42	14	6.8	5.0	39	<0.050	<0.010	<0.100	<0.5	<5
85-08-26	1.2	3.8	0.31	14	7.9	3.5	37	<0.050	<0.010	0.260	--	--
85-02-20	0.38	3.8	0.53	8.0	0.80	3.5	23	<0.050	<0.010	1.21	<0.5	<5
85-06-13	0.31	3.1	0.46	8.0	2.0	1.0	21	<0.050	<0.010	0.690	--	--
85-04-30	1.4	3.3	0.38	14	2.4	4.0	31	<0.050	<0.010	0.280	<0.5	<5
85-09-27	0.96	4.3	0.48	12	2.0	4.0	34	0.60	<0.010	<0.100	--	--
85-04-27	3.0	5.8	0.77	12	9.9	7.5	67	3.7	<0.010	<0.100	<0.5	<5
85-08-16	3.2	6.3	0.90	14	11	6.5	73	4.1	<0.010	<0.100	--	--
85-03-24	0.71	3.6	0.30	11	0.50	3.0	32	1.3	<0.010	<0.100	<0.5	<5
85-08-04	0.70	3.6	0.34	9.0	<0.50	2.0	29	1.3	<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)				
85-03-24	20	<30	--	60	--	<2	<20	<0.020				
85-08-04	<20	30	<5	70	--	--	<20	<0.020				
85-03-06	20	<30	--	50	--	<2	<20	<0.020				
85-07-09	<20	<30	<5	50	--	--	20	<0.020				
85-04-23	<20	50	--	<10	--	<2	<20	<0.020				
85-08-26	<20	230	<5	<10	--	--	<20	<0.020				
85-02-20	<20	410	--	10	--	<2	<20	<0.020				
85-06-13	<20	160	<5	10	--	--	<20	<0.020				
85-04-30	50	470	--	<10	--	<2	<20	<0.020				
85-09-27	20	120	<5	10	--	--	<20	<0.020				
85-04-27	50	<30	--	<10	--	<2	<20	--				
85-08-16	70	<30	<5	10	--	--	<20	<0.020				
85-03-24	<20	<30	--	<10	--	<2	<20	<0.020				
85-08-04	20	<30	<5	10	--	--	20	<0.020				

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)		
404820073073402		S 43641	211MGTY	85-03-04	706	43	6.0	0.56	14	2.7		
			211MGTY	85-07-07	706	37	5.8	0.37	18	2.6		
405245073252201		S 44468	112GLCLU	85-04-28	91	75	6.7	0.42	30	6.3		
			112GLCLU	85-08-16	91	87	6.5	0.30	27	6.6		
405710072571301		S 44640	112GLCLU	85-02-28	205	74	6.4	0.21	17	3.6		
			112GLCLU	85-06-17	205	122	5.5	0.24	44	6.7		
404920073142801		S 44774	112GLCLU	85-05-06	293	64	6.5	0.28	22	5.4		
405322073211404		S 45610	112GLCLU	85-03-10	313	31	5.8	0.15	6	1.5		
			112GLCLU	85-07-14	313	27	6.3	0.43	11	1.4		
404503073131201		S 45839	211MGTY	85-04-21	726	23	5.8	0.45	20	2.0		
404218073190400		S 45840	211MGTY	85-08-04	315	48	5.4	0.39	10	1.4		
404432073151300		S 46235	211MGTY	85-02-13	713	79	6.5	0.14	24	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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (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)
85-03-04	0.95	3.7	0.44	14	2.3	3.5	31	<0.050	<0.010	<0.100	<0.5	<5
85-07-07	0.91	3.8	0.62	14	2.0	4.0	31	<0.050	<0.010	<0.100	--	--
85-04-28	2.6	5.2	0.73	27	2.0	5.0	54	1.5	<0.010	<0.100	<0.5	<5
85-08-16	2.6	5.0	0.64	25	1.0	4.5	--	1.7	<0.010	0.180	--	--
85-02-28	2.1	6.7	0.57	12	10	7.5	53	1.3	<0.010	0.100	<0.5	<5
85-06-17	4.7	10	1.4	11	18	11	88	4.4	<0.010	<0.100	--	--
85-05-06	2.0	5.1	0.50	24	2.3	6.0	48	0.61	<0.010	0.150	--	--
85-03-10	0.52	3.4	0.38	10	<0.50	5.0	24	0.70	<0.010	<0.100	<0.5	<5
85-07-14	0.54	3.5	0.47	10	<0.50	2.0	26	0.78	<0.010	<0.100	--	--
85-04-21	0.67	3.0	0.53	9.0	1.9	2.5	25	<0.050	<0.010	<0.100	<0.5	<5
85-08-04	1.7	5.4	0.68	8.0	8.7	6.5	38	<0.050	<0.010	0.520	--	--
85-02-13	1.3	5.4	0.45	17	11	6.0	52	0.20	<0.010	0.610	<0.5	<5
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)				
85-03-04	<20	320	--	20	--	<2	<20	<0.020				
85-07-07	<20	330	<5	20	--	--	70	<0.020				
85-04-28	<20	<30	--	<10	--	<2	<20	<0.020				
85-08-16	<20	<30	<5	<10	--	--	20	<0.020				
85-02-28	<20	<30	--	<10	--	<2	<20	<0.020				
85-06-17	50	<30	--	50	--	--	20	<0.020				
85-05-06	100	380	<5	<10	<0.20	--	20	--				
85-03-10	50	<30	--	10	--	<2	20	<0.020				
85-07-14	30	<30	--	<10	--	<5	40	<0.020				
85-04-21	20	240	--	<10	--	<2	60	<0.020				
85-08-04	<20	700	<5	20	--	--	<20	<0.020				
85-02-13	<20	40	--	10	--	<2	<20	<0.020				

QUALITY OF GROUND WATER

229

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)		
405002073022600		S 46400	112GLCLU	85-03-05	266	155	6.6	0.14	49	12		
			112GLCLU	85-07-07	266	140	6.4	0.26	46	11		
404803072484001		S 46712	112GLCLU	85-02-10	100	102	6.0	0.30	25	6.3		
			112GLCLU	85-05-28	100	90	6.1	0.29	31	6.0		
404804072484101		S 46713	211MGTY	85-02-03	444	120	6.7	0.76	33	9.0		
			211MGTY	85-05-26	444	100	6.2	0.60	32	8.3		
404606073174601		S 46830	211MGTY	85-02-14	655	30	5.6	0.29	5	1.3		
			211MGTY	85-06-12	655	24	5.4	0.31	9	1.8		
405455073025801		S 46928	211MGTY	85-02-28	654	45	6.6	0.18	16	4.0		
			211MGTY	85-06-13	654	42	6.5	0.24	24	4.8		
404628072430803		S 47024	211MGTY	85-05-20	377	220	7.0	0.40	9	1.6		
404617073035501		S 47035	211MGTY	85-04-16	508	43	5.9	0.31	14	2.7		
			211MGTY	85-08-30	508	38	6.0	0.78	24	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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (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)
85-03-05	5.0	10	0.98	31	11	16	97	2.9	<0.010	<0.100	<0.5	<5
85-07-07	4.9	10	1.1	31	11	17	99	3.0	<0.010	<0.100	--	--
85-02-10	2.7	8.4	0.54	18	6.2	14	62	0.67	<0.010	<0.100	<0.5	<5
85-05-28	2.7	7.7	0.55	19	6.1	13	61	0.81	<0.010	<0.100	--	--
85-02-03	3.0	8.5	0.58	20	14	15	73	0.27	<0.010	<0.100	<0.5	<5
85-05-26	2.8	8.4	0.51	20	7.8	14	66	0.67	<0.010	<0.100	--	--
85-02-14	0.42	3.1	0.50	7.0	<0.50	4.5	24	0.30	<0.010	<0.100	<0.5	<5
85-06-12	0.45	3.1	0.51	9.0	<0.50	3.0	25	0.36	<0.010	<0.100	--	--
85-02-28	1.0	3.3	0.41	19	2.1	4.5	36	0.060	<0.010	<0.100	<0.5	<5
85-06-13	1.0	3.4	0.43	18	2.6	3.0	36	<0.050	<0.010	--	--	--
85-05-20	0.53	48	4.7	66	29	14	149	<0.050	<0.010	0.440	--	--
85-04-16	1.1	3.6	0.44	14	3.4	3.5	32	<0.050	<0.010	<0.100	<0.5	<5
85-08-30	1.1	3.7	0.64	14	2.6	2.0	30	<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)				
85-03-05	<20	<30	--	10	--	<2	<20	<0.020				
85-07-07	<20	<30	<5	10	--	--	30	<0.020				
85-02-10	<20	<30	--	<10	--	<2	<20	<0.020				
85-05-28	<20	<30	<5	20	--	--	<20	<0.020				
85-02-03	<20	460	--	10	--	<2	<20	<0.020				
85-05-26	<20	450	<5	30	--	--	<20	<0.020				
85-02-14	30	<30	--	<10	--	<2	<20	<0.020				
85-06-12	<20	<30	<5	<10	--	--	30	<0.020				
85-02-28	<20	<30	--	<10	--	<2	<20	<0.020				
85-06-13	<20	<30	<5	<10	--	--	<20	<0.020				
85-05-20	<20	<30	<5	<10	--	--	<20	<0.020				
85-04-16	30	60	--	20	--	<2	20	<0.020				
85-08-30	<20	190	<5	20	--	--	110	<0.020				

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION	NUMBER	LOCAL IDENTIFIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)		
405407073001102		S 47219	112GLCLU	85-02-25	208	175	6.2	0.10	59	14		
			112GLCLU	85-06-13	208	160	5.9	0.45	55	12		
405407073001101		S 47310	211MGTY	85-02-26	698	39	6.8	0.14	13	3.3		
			211MGTY	85-06-16	698	36	6.3	0.48	10	3.0		
404317073201802		S 47435	211MGTY	85-01-20	441	22	5.8	7.5	5	0.50		
			211MGTY	85-05-06	441	22	5.2	0.26	3	0.60		
405110072531501		S 47436	112GLCLU	85-03-26	196	63	6.5	0.12	25	4.3		
			112GLCLU	85-08-14	196	68	5.9	0.28	22	4.5		
405110072531502		S 47437	112GLCLU	85-03-27	179	82	6.3	0.37	34	7.5		
405110072531503		S 47438	211MGTY	85-03-27	269	77	6.7	0.36	35	7.6		
			211MGTY	85-09-23	269	95	6.5	0.43	28	7.5		
404804073051302		S 47453	211MGTY	85-04-23	444	112	6.0	0.65	30	6.8		
			211MGTY	85-08-26	444	37	5.9	0.66	12	2.4		
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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (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)
85-02-25	6.5	9.9	0.90	21	28	17	112	2.7	<0.010	<0.100	<0.5	<5
85-06-13	6.2	10	0.95	21	28	15	108	2.7	<0.010	<0.100	--	--
85-02-26	0.89	3.4	0.45	16	2.1	5.0	34	0.060	<0.010	<0.100	<0.5	<5
85-06-16	0.85	3.3	0.40	14	2.0	2.0	29	0.060	<0.010	<0.100	--	--
85-01-20	0.26	2.4	0.37	5.0	1.5	2.5	20	<0.050	<0.010	<0.100	<0.5	<5
85-05-06	0.26	3.9	0.42	7.0	1.4	3.0	23	<0.050	<0.010	2.05	--	--
85-03-26	1.9	5.8	0.47	16	6.5	9.5	47	<0.050	<0.010	<0.100	<0.5	<5
85-08-14	2.1	6.0	0.51	16	6.3	7.5	46	0.18	<0.010	0.170	--	--
85-03-27	2.3	6.5	0.57	24	7.1	10	58	<0.050	<0.010	<0.100	<0.5	<5
85-03-27	2.1	5.6	0.57	25	7.8	6.5	56	0.45	<0.010	<0.100	<0.5	<5
85-09-23	0.68	5.5	0.68	27	7.0	6.5	57	0.54	<0.010	<0.100	--	--
85-04-23	2.5	9.9	1.0	15	7.4	14	77	3.7	<0.010	<0.100	<0.5	<5
85-08-26	0.97	3.5	0.31	13	2.4	1.5	28	<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)				
85-02-25	30	<30	--	<10	--	<2	<20	<0.020				
85-06-13	<20	<30	<5	20	--	--	60	<0.020				
85-02-26	<20	<30	--	<10	--	<2	<20	<0.020				
85-06-16	30	<30	<5	<10	--	--	<20	<0.020				
85-01-20	<20	--	--	20	--	<2	<20	<0.020				
85-05-06	20	510	<5	<10	<0.20	--	30	<0.020				
85-03-26	20	<30	--	<10	--	<2	20	<0.020				
85-08-14	<20	<30	<5	<10	--	--	<20	<0.020				
85-03-27	<20	200	--	<10	--	<2	20	<0.020				
85-03-27	<20	50	--	<10	--	<2	<20	<0.020				
85-09-23	<20	40	<5	<10	--	--	<20	<0.020				
85-04-23	20	<30	--	20	--	<2	<20	<0.020				
85-08-26	<20	<30	<5	<10	--	--	<20	<0.020				

QUALITY OF GROUND WATER

231

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)		
405142073105801		S 47673	112GLCLU	85-01-28	279	128	6.6	0.16	50	11		
			112GLCLU	85-05-13	279	120	6.6	0.35	50	11		
404204073242001		S 47886	211MGTY	85-05-08	509	25	4.8	0.20	11	0.90		
404046073252102		S 47887	211MGTY	85-01-27	648	28	5.3	0.25	5	0.60		
			211MGTY	85-05-21	648	20	5.3	0.29	5	2.3		
405203073085501		S 48014	211MGTY	85-03-24	343	95	6.9	0.21	48	9.3		
			211MGTY	85-08-01	343	91	6.9	0.17	40	10		
404515073225502		S 48193	211MGTY	85-04-10	534	16	5.1	0.17	10	0.90		
			211MGTY	85-08-14	534	16	5.2	0.29	4	0.80		
405319073233601		S 48719	112GLCLU	85-04-25	349	86	6.2	0.25	31	6.4		
			112GLCLU	85-08-17	349	76	6.2	0.48	22	6.2		
404739072562701		S 49018	211MGTY	85-06-09	516	56	6.3	0.81	17	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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (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)
85-01-28	4.7	7.9	1.3	38	8.4	11	85	1.7	<0.010	0.140	<0.5	<5
85-05-13	5.0	8.1	1.0	38	7.8	10	85	1.9	<0.010	0.260	--	--
85-05-08	0.33	3.3	0.38	5.0	1.9	2.5	21	<0.050	<0.010	0.830	--	--
85-01-27	0.18	4.4	0.26	5.0	2.1	3.0	29	<0.050	<0.010	2.97	<0.5	<5
85-05-21	0.24	3.0	0.35	5.0	2.8	3.0	24	<0.050	<0.010	0.810	--	--
85-03-24	3.8	4.6	1.1	40	10	3.0	65	<0.050	<0.010	0.150	<0.5	<5
85-08-01	3.8	5.1	1.7	38	10	2.0	66	<0.050	<0.010	0.160	--	--
85-04-10	0.23	2.0	0.23	6.0	0.80	2.5	19	<0.050	<0.010	<0.010	<0.5	<5
85-08-14	0.23	2.1	0.26	7.0	<0.50	2.0	19	<0.050	<0.010	0.130	--	--
85-04-25	2.4	5.5	0.59	19	5.5	6.0	59	2.8	<0.010	<0.100	<0.5	<5
85-08-17	2.1	5.7	0.61	17	5.4	3.5	54	2.4	<0.010	<0.100	--	--
85-06-09	1.1	4.6	0.60	23	3.9	3.5	42	<0.050	<0.010	3.20	--	--
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)				
85-01-28	30	<30	--	20	--	<2	90	<0.020				
85-05-13	120	<30	<5	<10	--	--	70	<0.020				
85-05-08	40	470	<5	<10	<0.20	--	<20	<0.020				
85-01-27	430	450	--	<10	--	<2	30	<0.020				
85-05-21	<20	840	<5	10	<0.20	--	30	<0.020				
85-03-24	<20	<30	--	<10	--	<2	<20	<0.020				
85-08-01	20	<30	<5	110	--	--	40	<0.020				
85-04-10	40	<30	--	<10	--	<2	20	<0.020				
85-08-14	30	50	<5	10	--	--	30	<0.020				
85-04-25	30	<30	--	<10	--	<2	<20	<0.020				
85-08-17	<20	<30	<5	10	--	--	<20	<0.020				
85-06-09	<20	1100	<5	40	--	--	<20	<0.020				

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION	NUMBER	LOCAL IDENTIFIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)		
405720072122702		S 49422	112GLCLU	85-02-20	148	1030	6.1	0.27	25	5.7		
			112GLCLU	85-06-04	148	112	6.0	0.21	26	5.5		
405335072562903		S 49606	211MGTY	85-03-26	703	99	7.3	0.35	35	9.3		
			211MGTY	85-07-31	703	81	6.5	0.37	32	8.0		
404432073151303		S 50546	211MGTY	85-02-14	668	66	6.4	0.31	23	6.5		
			211MGTY	85-06-12	668	33	5.6	0.28	23	2.6		
404426073073304		S 50630	211MGTY	85-04-24	243	55	5.9	1.5	16	2.6		
			211MGTY	85-08-12	243	61	6.3	0.52	15	2.6		
404210073250201		S 51214	211MGTY	85-01-28	395	64	4.8	0.98	10	2.7		
			211MGTY	85-05-21	395	62	4.6	1.1	9	3.6		
405410073010501		S 51266	112GLCLU	85-02-26	593	55	7.0	0.75	24	6.5		
			112GLCLU	85-06-12	593	49	7.3	0.29	21	5.0		
410253071570801		S 51274	112GLCLU	85-02-19	55	195	6.4	--	32	7.2		
			112GLCLU	85-06-04	55	190	6.0	0.83	42	7.4		
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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (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)
85-02-20	3.0	12	0.99	16	13	15	79	2.1	<0.010	<0.100	<0.5	<5
85-06-04	3.0	13	1.0	17	13	13	78	2.0	<0.010	<0.100	--	--
85-03-26	3.0	6.2	0.69	31	10	7.0	67	0.55	<0.010	<0.100	<0.5	<5
85-07-31	3.0	5.4	1.0	34	4.2	3.0	56	0.41	<0.010	<0.100	--	--
85-02-14	1.0	4.4	0.36	20	5.8	5.0	44	<0.050	<0.010	1.07	<0.5	<5
85-06-12	0.80	3.6	0.30	10	4.9	4.0	31	<0.050	<0.010	1.72	--	--
85-04-24	2.3	5.0	1.0	24	3.4	3.0	41	<0.050	<0.010	<0.100	<0.5	<5
85-08-12	2.3	6.0	1.0	24	4.9	4.0	45	<0.050	<0.010	1.45	--	--
85-01-28	1.2	5.6	0.76	4.0	7.1	11	40	<0.050	<0.010	<0.100	<0.5	<5
85-05-21	1.1	5.6	0.65	5.0	6.6	10	40	<0.050	<0.010	<0.100	--	--
85-02-26	1.3	4.1	0.56	21	3.2	5.0	43	0.080	<0.010	0.230	<0.5	<5
85-06-12	1.3	3.8	0.51	21	2.9	4.5	40	0.070	<0.010	0.160	--	--
85-02-19	3.6	26	1.4	21	12	38	116	0.95	<0.010	<0.100	<0.5	<5
85-06-04	3.9	26	1.3	21	15	41	121	0.89	<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)				
85-02-20	<20	<30	--	<10	--	<2	30	<0.020				
85-06-04	<20	<30	<5	10	--	--	<20	<0.020				
85-03-26	<20	<30	--	10	--	<2	<20	<0.020				
85-07-31	<20	<30	<5	30	--	--	<20	<0.020				
85-02-14	<20	110	--	10	--	<2	<20	<0.020				
85-06-12	<20	70	<5	10	<0.20	--	60	<0.020				
85-04-24	<20	880	--	20	--	<2	<20	<0.020				
85-08-12	<20	820	<5	20	--	--	<20	<0.020				
85-01-28	40	530	--	20	--	<2	60	<0.020				
85-05-21	70	520	<5	20	<0.20	--	30	<0.020				
85-02-26	<20	80	--	<10	--	<2	40	<0.020				
85-06-12	<20	<30	<5	<10	--	--	20	<0.020				
85-02-19	100	640	--	200	--	<2	<20	<0.020				
85-06-04	50	640	<5	180	--	--	<20	<0.020				

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION	NUMBER	LOCAL IDENTIFIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)		
410212071574401		S 51275	112GLCLU 112GLCLU	85-02-18 85-06-01	178 178	204 200	6.4 6.2	1.8 0.72	24 29	5.6 5.5		
404353073215801		S 51298	211MGTY 211MGTY	85-01-20 85-05-07	652 652	49 31	6.3 6.2	3.8 4.9	16 18	5.4 3.0		
404321073222602		S 51457	211MGTY 211MGTY	85-01-20 85-05-06	623 623	29 24	5.3 5.3	1.8 1.9	5 12	1.1 0.60		
404806073113302		S 51519	112GLCLU 112GLCLU	85-04-30 85-09-23	408 408	47 50	6.3 6.2	0.62 1.4	25 21	3.7 4.6		
404820073073403		S 51609	211MGTY 211MGTY	85-03-10 85-07-16	729 729	44 35	6.1 6.1	0.37 0.46	31 11	2.6 2.6		
404225073193001		S 51673	211MGTY 211MGTY	85-04-15 85-08-14	763 763	20 21	4.8 4.9	0.21 0.29	15 4	0.70 0.80		
405607073021301		S 51953	112GLCLU 112GLCLU	85-03-06 85-06-17	316 316	153 120	6.3 6.6	0.12 0.28	51 42	13 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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (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)
85-02-18	3.3	30	1.2	12	12	49	118	0.090	<0.010	<0.100	<0.5	<5
85-06-01	3.5	32	1.2	13	12	52	125	0.11	<0.010	<0.100	--	--
85-01-20	0.33	3.5	0.28	17	5.6	2.5	37	<0.050	<0.010	0.880	<0.5	<5
85-05-07	0.35	4.1	0.31	11	4.0	3.0	31	0.10	<0.010	1.11	--	--
85-01-20	0.25	3.3	0.36	5.0	2.7	2.5	22	<0.050	<0.010	0.870	<0.5	<5
85-05-06	0.22	3.2	0.33	5.0	3.8	3.0	23	<0.050	<0.010	1.24	--	--
85-04-30	1.6	4.0	0.48	20	1.4	4.5	37	<0.050	<0.010	<0.100	<0.5	<5
85-09-23	1.7	4.1	0.46	21	1.8	3.0	38	0.10	<0.010	<0.100	--	--
85-03-10	0.90	5.0	0.44	15	3.4	3.5	34	<0.050	<0.010	2.06	<0.5	<5
85-07-16	0.89	4.0	0.57	14	2.7	4.5	33	<0.050	<0.010	0.580	--	--
85-04-15	0.40	2.6	0.33	6.0	3.0	2.0	22	<0.050	<0.010	0.320	<0.5	<5
85-08-14	0.40	3.0	0.48	6.0	2.9	2.5	23	<0.050	<0.010	0.360	--	--
85-03-06	4.6	9.6	0.89	31	14	12	101	3.8	<0.010	0.100	<0.5	<5
85-06-17	3.9	8.8	0.82	28	9.3	1.5	85	3.1	<0.010	0.110	--	--
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)				
85-02-18	<20	670	--	30	--	<2	70	<0.020				
85-06-01	<20	680	<5	30	--	--	<20	<0.020				
85-01-20	20	610	--	<10	--	<2	150	<0.020				
85-05-07	<20	910	<5	10	<0.20	--	<20	<0.020				
85-01-20	110	--	--	10	--	<0.5	30	<0.020				
85-05-06	<20	790	<5	<10	<0.20	--	<20	<0.020				
85-04-30	30	30	--	<10	--	<2	<20	<0.020				
85-09-23	<20	<30	<5	<10	--	--	<20	<0.020				
85-03-10	<20	580	--	30	--	<2	30	<0.020				
85-07-16	<20	500	--	20	--	--	<20	<0.020				
85-04-15	20	330	--	<10	--	<2	20	<0.020				
85-08-14	<20	210	<5	20	--	--	<20	<0.020				
85-03-06	<20	<30	--	<10	--	<2	<20	<0.020				
85-06-17	<20	<30	<5	<10	--	--	20	<0.020				

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)		
404612073055001		S 52126	112GLCLU	85-08-19	156	134	6.1	0.72	46	7.3		
405407073001103		S 52451	112GLCLU	85-03-03	183	148	6.0	0.19	44	11		
			112GLCLU	85-06-12	183	122	5.9	0.36	45	9.8		
405354073021202		S 52490	211MGTY	85-02-27	554	55	6.9	0.25	23	4.4		
			211MGTY	85-06-18	554	53	6.6	0.40	19	4.9		
404558072521001		S 52943	112GLCLU	85-04-23	310	104	5.8	0.26	20	4.2		
			112GLCLU	85-07-31	310	76	6.1	0.42	21	3.3		
404905072565501		S 52944	112GLCLU	85-02-04	204	105	6.4	0.11	28	5.6		
			112GLCLU	85-05-27	204	108	5.9	0.25	26	6.1		
404905072565502		S 52945	112GLCLU	85-02-03	195	106	6.5	0.10	29	5.1		
			112GLCLU	85-05-27	195	106	5.9	0.28	26	6.1		
404756073025504		S 53074	112GLCLU	85-04-17	169	69	--	0.10	34	4.0		
			112GLCLU	85-08-30	169	67	5.6	0.25	16	4.2		
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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (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)
85-08-19	3.2	13	2.4	23	11	18	86	1.5	<0.010	<0.100	--	--
85-03-03	4.3	10	0.85	20	10	18	86	2.3	<0.010	<0.100	<0.5	<5
85-06-12	3.7	9.5	0.86	19	18	14	83	1.4	<0.010	<0.100	--	--
85-02-27	1.8	4.1	0.57	24	2.8	3.0	40	<0.050	<0.010	0.120	<5	<5
85-06-18	1.8	4.0	0.58	24	2.4	2.0	39	<0.050	<0.010	0.370	--	--
85-04-23	1.8	13	1.0	12	8.7	19	66	0.50	<0.010	0.120	<0.5	<5
85-07-31	1.5	9.4	0.78	13	8.8	12	55	0.48	<0.010	0.120	--	--
85-02-04	2.7	9.1	0.86	14	8.7	15	65	1.0	<0.010	0.100	<0.5	<5
85-05-27	2.9	10	0.91	15	8.8	17	70	1.2	<0.010	<0.100	--	--
85-02-03	2.4	10	0.98	14	7.6	17	64	0.69	<0.010	0.120	<0.5	<5
85-05-27	2.4	10	1.1	15	8.5	18	68	0.76	<0.010	<0.100	--	--
85-04-17	1.9	5.8	0.84	12	7.1	9.0	50	1.2	<0.010	<0.100	<0.5	<5
85-08-30	1.9	5.4	0.69	12	7.7	7.0	48	1.0	<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)				
85-08-19	<20	<30	<5	30	--	--	<20	<0.020				
85-03-03	<20	<30	--	<10	--	<2	<20	<0.020				
85-06-12	30	<30	<5	10	--	--	40	<0.020				
85-02-27	40	<30	--	<10	--	<2	<20	<0.020				
85-06-18	<20	<30	<5	<10	--	--	70	<0.020				
85-04-23	<20	40	--	30	--	<2	490	<0.020				
85-07-31	<20	<30	<5	20	--	--	20	<0.020				
85-02-04	20	<30	--	<10	--	<2	<20	<0.020				
85-05-27	<20	<30	<5	<10	--	--	<20	<0.020				
85-02-03	<20	<30	--	<10	--	<2	<20	<0.020				
85-05-27	<20	<30	<5	20	--	--	70	<0.020				
85-04-17	20	<30	--	20	--	<2	<20	<0.020				
85-08-30	<20	<30	<5	20	--	--	40	<0.020				

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION	NUMBER	LOCAL IDENT- IFIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TUR- BID- ITY (NTU)	HARD- NESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS Ca)		
405002073022602		S 53291	112GLCLU 112GLCLU	85-03-11 85-07-07	272 272	78 75	6.8 6.6	0.21 0.34	29 30	6.5 9.3		
405032073162802		S 53360	211MGTY 211MGTY	85-02-28 85-08-14	703 703	53 49	6.7 6.4	0.19 0.23	16 16	3.9 3.6		
405133073155901		S 53361	211MGTY 211MGTY	85-02-07 85-05-05	521 521	44 40	6.5 6.2	0.18 0.24	12 19	3.0 3.1		
404950073085001		S 53497	112GLCLU 112GLCLU	85-03-18 85-07-28	173 173	114 116	5.7 5.8	0.15 0.35	27 27	6.6 7.7		
404950073085002		S 53498	211MGTY 211MGTY	85-03-17 85-07-29	721 721	46 43	6.1 6.2	0.31 0.32	30 18	3.3 3.8		
405230072430001		S 53522	112GLCLU 112GLCLU	85-02-27 85-08-13	242 242	49 63	6.2 6.5	0.21 0.21	16 18	2.8 4.8		
405124072353603		S 53593	112GLCLU 112GLCLU	85-02-05 85-05-20	161 161	164 155	6.0 6.0	0.15 0.32	56 56	11 11		
DATE OF SAMPLE	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY LAB (MG/L AS CaCO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
85-03-11	2.6	4.6	0.54	24	8.3	4.5	54	0.80	<0.010	<0.100	<0.5	<5
85-07-07	2.9	5.1	1.1	25	8.9	5.0	61	0.96	<0.010	<0.100	--	--
85-02-28	1.5	4.0	0.58	19	0.1	4.5	40	1.1	<0.010	<0.100	<0.5	<5
85-08-14	1.5	3.9	0.54	19	0.60	4.0	39	0.99	<0.010	<0.100	--	--
85-02-07	1.0	3.7	0.46	14	1.0	2.5	33	0.80	<0.010	<0.100	<0.5	<5
85-05-05	1.0	3.5	0.44	14	1.3	4.0	35	0.95	<0.010	<0.100	--	--
85-03-18	2.6	12	1.2	15	10	16	79	2.6	<0.010	<0.100	<0.5	<5
85-07-28	2.7	13	1.3	15	10	15	82	2.9	<0.010	0.110	--	--
85-03-17	1.3	4.0	0.65	19	3.3	4.5	38	<0.050	<0.010	<0.100	<0.5	<5
85-07-29	1.2	4.3	1.1	18	3.0	2.0	35	<0.050	<0.010	<0.100	--	--
85-02-27	1.4	4.4	0.34	12	6.9	5.0	38	0.29	<0.010	<0.100	<0.5	<5
85-08-13	2.1	4.7	0.42	22	5.6	3.5	44	0.30	<0.010	<0.100	--	--
85-02-05	6.9	7.7	0.91	11	31	11	107	4.8	<0.010	<0.100	<0.5	<5
85-05-20	6.7	7.8	0.93	14	33	10	--	4.9	<0.010	0.260	--	--
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)				
85-03-11	<20	<30	--	<10	--	<2	<20	<0.020				
85-07-07	<20	<30	<5	<10	--	--	20	<0.020				
85-02-28	<20	<30	--	<10	--	<2	<20	<0.020				
85-08-14	<20	<30	<5	<10	--	--	30	<0.020				
85-02-07	<20	<30	--	<10	--	<2	<20	<0.020				
85-05-05	<20	<30	<5	<10	<0.20	--	<20	<0.020				
85-03-18	60	<30	--	70	--	<2	<20	<0.020				
85-07-28	20	<30	<5	80	--	--	20	<0.020				
85-03-17	50	<30	--	<10	--	<2	20	<0.020				
85-07-29	<20	<30	<5	<10	--	--	40	<0.020				
85-02-27	<20	<30	--	<10	--	<2	440	<0.020				
85-08-13	<20	<30	<5	10	--	--	<20	<0.020				
85-02-05	180	<30	--	<10	--	<2	200	<0.020				
85-05-20	90	<30	<5	20	--	--	20	<0.020				

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)			
405140073191001	S 53747	211MGTY	85-01-23	453	99	6.2	0.21	25	6.7			
		211MGTY	85-05-06	453	94	5.9	0.30	28	6.9			
404914073095603	S 53850	112GLCLU	85-03-19	188	160	6.8	0.16	53	14			
		112GLCLU	85-07-29	188	126	6.6	0.30	51	12			
405230072430002	S 53851	211MGTY	85-06-23	297	103	6.7	0.30	34	6.7			
		211MGTY	85-06-25	297	56	7.0	6.1	20	4.3			
405359073182801	S 54162	112GLCLU	85-03-10	543	189	6.3	0.27	68	16			
		112GLCLU	85-07-14	543	180	6.3	0.34	64	16			
404805073051502	S 54305	211MGTY	85-04-17	313	67	6.4	0.18	18	4.5			
		211MGTY	85-08-12	313	67	5.8	0.36	18	4.5			
404759073122501	S 54308	211MGTY	85-02-13	797	38	5.9	0.22	8	1.4			
		211MGTY	85-05-13	797	28	5.8	0.36	10	1.4			
405030073032103	S 54473	112GLCLU	85-03-03	312	120	6.7	0.37	44	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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (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)
85-01-23	2.4	6.8	0.83	10	6.4	10	67	4.2	<0.010	<0.100	<0.5	<5
85-05-06	2.5	7.0	0.83	9.0	8.0	10	70	4.5	<0.010	<0.100	--	--
85-03-19	5.7	8.5	0.85	44	9.4	13	76	0.95	<0.010	<0.100	<0.5	<5
85-07-29	5.4	8.3	0.92	40	8.8	10	84	0.91	<0.010	<0.100	--	--
85-06-23	3.0	9.3	0.56	18	17	10	71	0.60	<0.010	<0.100	--	--
85-06-25	1.4	5.1	0.43	19	6.5	4.0	43	0.21	<0.010	<0.100	<0.5	<5
85-03-10	5.7	12	0.97	23	21	17	114	6.5	<0.010	<0.100	<0.5	9
85-07-14	5.8	13	1.2	25	21	16	132	7.3	<0.010	0.110	--	--
85-04-17	1.7	5.7	0.47	14	2.8	8.0	49	1.9	<0.010	<0.100	<0.5	<5
85-08-12	1.7	5.6	0.41	13	2.8	6.5	47	2.0	<0.010	<0.100	--	--
85-02-13	0.83	3.1	0.47	11	2.3	3.0	27	<0.050	<0.010	<0.100	<0.5	<5
85-05-13	0.74	2.9	0.32	12	2.0	3.0	27	<0.050	<0.010	<0.100	--	--
85-03-03	4.0	6.7	0.69	34	5.9	10	74	1.5	<0.010	<0.830	<0.5	<5
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)				
85-01-23	80	<30	--	<10	--	<2	<20	<0.020				
85-05-06	<20	<30	<5	<10	<0.20	--	40	<0.020				
85-03-19	50	<30	--	<10	--	<2	80	<0.020				
85-07-29	20	<30	<5	10	--	--	80	<0.020				
85-06-23	<20	230	<5	170	--	--	<20	<0.020				
85-06-25	<20	40	--	<10	--	<2	<20	<0.020				
85-03-10	<20	<30	--	<10	--	<2	<20	<0.020				
85-07-14	50	<30	<5	<10	--	--	30	<0.020				
85-04-17	20	<30	--	<10	--	<2	<20	<0.020				
85-08-12	<20	<30	<5	<10	--	--	<20	<0.020				
85-02-13	30	<30	--	<10	--	<2	<20	<0.020				
85-05-13	<20	<30	<5	<10	--	--	30	<0.020				
85-03-03	<20	70	--	10	--	<2	20	<0.020				

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)			
404210073250202	S 54568	211MGTY	85-01-23	423	69	5.0	0.43	10	2.5			
		211MGTY	85-05-21	423	84	4.9	0.15	8	3.2			
404722073030501	S 54730	211MGTY	85-08-19	259	55	5.8	0.60	26	3.8			
404458073182503	S 55463	211MGTY	85-02-25	360	28	5.6	1.8	6	1.3			
		211MGTY	85-06-09	360	22	5.6	0.54	16	1.1			
405410073010502	S 55502	211MGTY	85-02-25	597	46	6.6	0.24	12	3.6			
		211MGTY	85-06-13	597	42	6.4	0.19	15	3.5			
404326073174101	S 55733	211MGTY	85-02-19	233	114	5.6	0.58	38	5.5			
		211MGTY	85-06-11	233	85	5.7	0.71	25	6.0			
405014072492501	S 56038	112GLCLU	85-02-03	158	151	6.3	0.35	56	12			
		112GLCLU	85-06-02	158	130	5.8	0.37	52	12			
405434073194202	S 56133	112GLCLU	85-03-17	333	156	6.7	0.16	57	14			
		112GLCLU	85-07-14	333	140	6.7	0.66	54	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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (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)
85-01-23	1.3	5.7	0.77	3.0	5.7	13	40	<0.050	<0.010	<0.100	<0.5	<5
85-05-21	1.2	6.8	0.76	4.0	5.7	12	42	<0.050	<0.010	1.10	--	--
85-08-19	1.5	4.7	0.39	10	9.3	5.0	40	<0.050	<0.010	<0.100	--	--
85-02-25	0.51	2.6	0.30	8.0	2.9	2.5	24	<0.050	<0.010	<0.100	<0.5	<5
85-06-09	0.43	2.9	0.31	9.0	1.9	2.0	23	<0.050	<0.010	<0.100	--	--
85-02-25	1.1	3.8	0.45	15	2.4	3.5	33	<0.050	<0.010	<0.100	<0.5	<5
85-06-13	1.1	3.5	0.51	16	2.4	3.5	34	0.060	<0.010	<0.100	--	--
85-02-19	2.2	10	0.66	10	20	14	68	<0.050	<0.010	0.920	<0.5	<5
85-06-11	2.2	10	0.73	10	20	13	69	0.090	<0.010	2.52	--	--
85-02-03	5.0	7.3	0.73	20	29	9.5	98	2.7	<0.010	<0.100	<0.5	<5
85-06-02	4.8	7.1	0.71	20	26	8.5	94	2.8	0.010	<0.100	--	--
85-03-17	5.5	9.0	0.99	39	8.7	13	84	4.8	<0.010	<0.100	<0.5	<5
85-07-14	5.7	8.9	1.1	36	6.9	10	101	5.2	<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)				
85-01-23	80	610	--	30	--	<2	250	<0.020				
85-05-21	80	580	<5	20	<0.20	--	30	<0.020				
85-08-19	<20	170	<5	10	--	--	<20	<0.020				
85-02-25	<20	140	--	<10	--	<2	<20	<0.020				
85-06-09	<20	80	<5	10	--	--	<20	<0.020				
85-02-25	<20	40	--	<10	--	<2	<20	<0.020				
85-06-13	<20	<30	<5	<10	--	--	50	<0.020				
85-02-19	70	1200	--	60	--	<2	<20	<0.020				
85-06-11	<20	1200	<5	60	--	--	<20	<0.020				
85-02-03	<20	<30	--	<10	--	<2	<20	<0.020				
85-06-02	<20	<30	<5	<10	--	--	<20	<0.020				
85-03-17	<20	<30	--	10	--	<2	<20	<0.020				
85-07-14	<20	<30	<5	<10	--	--	50	<0.020				

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)		
404950073001501		S 56674	112GLCLU	85-03-06	179	92	6.5	0.42	30	8.2		
			112GLCLU	85-07-10	179	93	6.5	0.42	28	8.4		
404658073164201		S 57008	211MGTY	85-02-07	635	120	5.7	0.23	42	8.5		
			211MGTY	85-06-11	635	118	5.8	0.35	47	9.9		
405126073273803		S 57354	112GLCLU	85-04-24	257	35	6.0	0.25	8	2.3		
			112GLCLU	85-08-16	257	38	5.8	0.51	18	2.6		
410249072554501		S 57357	112GLCLU	85-02-19	93	180	6.4	0.14	45	8.7		
			112GLCLU	85-05-31	93	183	5.9	0.24	41	9.2		
404612073055002		S 57871	112GLCLU	85-04-18	158	102	6.4	0.10	25	6.0		
			112GLCLU	85-08-30	158	135	6.0	0.68	34	7.7		
405614073051501		S 57979	211MGTY	85-02-28	582	27	6.0	0.16	10	1.5		
			211MGTY	85-07-09	582	26	6.1	0.26	9	1.7		
405514073050103		S 57980	211MGTY	85-02-27	703	34	6.5	0.22	9	1.9		
			211MGTY	85-07-02	703	29	6.4	0.42	11	2.2		
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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (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)
85-03-06	3.0	5.6	0.71	23	10	6.5	67	2.2	<0.010	<0.100	<0.5	<5
85-07-10	3.0	5.7	0.88	20	10	6.5	66	2.3	<0.010	<0.100	--	--
85-02-07	3.5	6.9	0.57	13	20	11	75	1.5	<0.010	<0.100	<0.5	<5
85-06-11	4.4	8.7	0.83	14	28	12	90	1.9	<0.010	<0.100	--	--
85-04-24	0.78	3.9	0.46	11	0.50	3.0	32	1.2	<0.010	<0.100	<0.5	<5
85-08-16	0.79	4.1	0.41	10	0.80	2.0	32	1.4	<0.010	<0.100	--	--
85-02-19	4.9	20	1.3	31	8.1	33	107	0.36	<0.010	<0.100	<0.5	<5
85-05-31	5.0	22	1.3	31	8.7	39	116	0.41	<0.010	<0.100	--	--
85-04-18	2.3	10	1.7	23	6.1	14	69	1.0	<0.010	0.140	<0.5	<5
85-08-30	2.9	13	2.8	24	12	17	87	1.4	<0.010	<0.100	--	--
85-02-28	0.66	3.0	0.30	11	1.7	2.0	25	<0.050	<0.010	<0.100	<0.5	<5
85-07-09	0.66	3.1	0.32	10	1.0	3.5	25	<0.050	<0.010	<0.100	--	--
85-02-27	0.93	3.2	0.41	14	2.3	3.5	30	<0.050	<0.010	<0.100	<0.5	<5
85-07-02	0.95	2.9	0.30	13	1.6	1.5	27	0.11	<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)				
85-03-06	<20	<30	--	20	--	<2	<20	<0.020				
85-07-10	<20	<30	<5	40	--	--	40	<0.020				
85-02-07	140	<30	--	<10	--	<2	20	<0.020				
85-06-11	<20	140	<5	20	--	--	1300	<0.020				
85-04-24	<20	<30	--	10	--	<2	<20	<0.020				
85-08-16	<20	<30	<5	<10	--	--	<20	<0.020				
85-02-19	<20	<30	--	<10	--	<2	<20	<0.020				
85-05-31	<20	<30	<5	<10	--	--	<20	<0.020				
85-04-18	<20	<30	--	80	--	<2	<20	<0.020				
85-08-30	<20	<30	<5	220	--	--	60	<0.020				
85-02-28	60	<30	--	<10	--	<2	<20	<0.020				
85-07-09	<20	<30	<5	20	--	--	<20	<0.020				
85-02-27	<20	<30	--	<10	--	<2	<20	<0.020				
85-07-02	<20	<30	<5	<10	--	--	<20	<0.020				

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)		
404938073152701		S 58708	211MGTY	84-12-24	423	30	5.9	0.22	7	1.7		
			211MGTY	85-05-07	423	31	6.0	0.35	5	2.1		
405342073030701		S 58761	112GLCLU	85-03-25	723	44	6.7	0.15	18	3.9		
			112GLCLU	85-08-04	723	40	6.9	0.30	25	3.8		
404722073030502		S 59744	211MGTY	85-04-17	301	55	6.1	0.30	13	3.7		
			211MGTY	85-08-22	301	52	6.0	0.42	24	3.4		
404949073042802		S 60127	211MGTY	85-03-03	489	55	6.3	0.16	20	3.8		
			211MGTY	85-07-07	489	49	6.7	0.24	16	4.2		
404542073013301		S 60486	211MGTY	85-04-23	370	48	6.1	1.3	27	4.4		
			211MGTY	85-08-30	370	58	6.1	0.48	16	4.2		
404524073044801		S 60812	211MGTY	85-04-16	489	49	6.0	0.15	21	3.3		
			211MGTY	85-08-22	489	47	6.3	0.26	21	3.5		
405607073021302		S 61910	112GLCLU	85-02-26	315	128	6.7	0.21	44	11		
			112GLCLU	85-06-13	315	122	6.6	0.39	44	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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (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)
84-12-24	0.60	3.4	0.40	89	1.0	4.0	29	0.67	<0.010	<0.100	<0.5	<5
85-05-07	0.60	3.4	0.45	10	0.60	4.0	30	0.78	<0.010	<0.100	--	--
85-03-25	1.1	3.3	0.40	17	1.6	3.0	33	<0.050	<0.010	<0.100	<0.5	<5
85-08-04	1.0	3.2	0.42	18	0.90	2.0	32	0.11	<0.010	0.250	--	--
85-04-17	1.5	3.9	0.38	12	7.5	5.5	39	0.060	<0.010	<0.100	<0.5	<5
85-08-22	1.5	3.9	0.38	11	8.5	3.5	37	<0.050	<0.010	<0.100	--	--
85-03-03	1.4	4.3	0.40	17	1.5	4.5	39	0.88	<0.010	<0.100	<0.5	<5
85-07-07	1.5	4.6	0.50	18	1.9	4.5	41	0.97	<0.010	<0.100	--	--
85-04-23	0.98	3.7	0.68	19	5.3	3.0	39	<0.050	<0.010	0.190	--	--
85-08-30	0.99	6.6	0.62	18	5.3	2.5	40	<0.050	<0.010	3.66	--	--
85-04-16	1.5	4.9	0.41	18	3.6	3.0	37	<0.050	<0.010	2.50	<0.5	<5
85-08-22	1.5	4.4	0.30	17	3.7	2.5	35	<0.050	<0.010	1.48	--	--
85-02-26	4.0	8.0	0.84	33	11	11	86	2.3	<0.010	<0.100	<0.5	<5
85-06-13	4.0	8.1	0.88	31	10	11	84	2.4	<0.010	0.130	--	--
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)				
84-12-24	20	<30	--	<10	--	<2	<20	<0.020				
85-05-07	<20	<30	--	<10	<0.20	--	40	--				
85-03-25	<20	<30	--	<10	--	<2	<20	<0.020				
85-08-04	<20	<30	<5	<10	--	--	<20	<0.020				
85-04-17	<20	260	--	20	--	<2	<20	<0.020				
85-08-22	<20	190	<5	10	--	--	<20	<0.020				
85-03-03	<20	<30	--	10	--	<2	<20	<0.020				
85-07-07	<20	<30	<5	<10	--	--	<20	--				
85-04-23	<20	310	<5	<10	--	--	<20	<0.020				
85-08-30	30	360	--	<10	--	--	40	<0.020				
85-04-16	<20	560	--	20	--	<2	20	<0.020				
85-08-22	<20	420	<5	20	--	--	30	<0.020				
85-02-26	<20	<30	--	<10	--	<2	30	<0.020				
85-06-13	<20	<30	--	<10	--	--	100	<0.020				

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)		
405249073192802		S 61937	112GLCLU	85-07-18	594	175	5.8	0.41	55	13		
404717072595604		S 62022	112GLCLU	85-02-03	313	52	6.6	0.12	18	4.5		
			112GLCLU	85-05-26	313	50	6.2	0.34	19	4.6		
405147073064801		S 62240	211MGTY	85-04-23	652	195	6.4	0.29	65	19		
			211MGTY	85-08-01	652	48	6.2	3.0	15	--		
405919072170202		S 62855	112GLCLU	85-03-05	171	81	7.3	0.26	22	6.7		
			112GLCLU	85-06-10	171	55	6.0	0.24	15	1.2		
404202073242302		S 63205	211MGTY	85-01-21	419	37	5.5	0.84	6	1.8		
			211MGTY	85-05-08	419	33	4.9	0.45	7	2.5		
404950073001502		S 63256	112GLCLU	85-03-10	175	70	6.9	0.30	26	6.8		
			112GLCLU	85-07-08	175	78	6.5	0.37	29	8.6		
404415073114001		S 63618	211MGTY	85-02-14	463	25	5.7	0.35	12	0.70		
			211MGTY	85-06-11	463	21	5.8	0.40	11	1.2		
DATE OF SAMPLE	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY LAB (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (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)
85-07-18	4.8	14	1.1	13	2.5	33	118	6.9	<0.010	<0.100	--	--
85-02-03	1.3	3.8	0.38	18	2.1	4.0	40	0.76	<0.010	0.230	<0.5	<5
85-05-26	1.3	3.8	0.39	18	1.8	4.0	39	0.63	<0.010	<0.100	--	--
85-04-23	3.4	17	1.1	50	10	14	126	4.7	<0.010	--	<0.5	<5
85-08-01	1.1	5.3	0.85	20	2.1	1.5	35	<0.050	<0.010	2.39	--	--
85-03-05	1.5	6.9	0.52	22	5.9	9.0	54	0.16	<0.010	<0.100	<0.5	<5
85-06-10	--	6.4	0.71	15	6.4	7.5	44	<0.050	<0.010	<0.100	--	--
85-01-21	0.61	3.2	0.60	5.0	0.60	3.0	22	<0.050	<0.010	<0.100	<0.5	<5
85-05-08	0.62	3.7	0.57	6.0	5.4	3.0	28	<0.050	<0.010	0.990	--	--
85-03-10	2.4	4.1	0.37	24	7.0	4.0	51	0.60	<0.010	<0.100	<0.5	<5
85-07-08	2.8	1.5	0.78	25	9.7	4.0	58	0.68	<0.010	<0.100	--	--
85-02-14	0.29	3.2	0.62	8.0	0.80	4.0	23	<0.050	<0.010	0.220	<0.5	<5
85-06-11	0.32	3.7	0.55	9.0	2.1	2.0	24	<0.050	<0.010	1.09	--	--
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)				
85-07-18	<20	<30	<5	10	--	--	<20	<0.020				
85-02-03	50	<30	--	<10	--	<2	<20	<0.020				
85-05-26	<20	<30	<5	20	--	--	270	<0.020				
85-04-23	30	50	--	<10	--	<2	<20	<0.020				
85-08-01	<20	530	<5	40	--	--	100	<0.020				
85-03-05	<20	<30	--	<10	--	<2	170	<0.020				
85-06-10	<20	<30	<5	20	--	--	70	<0.020				
85-01-21	70	320	--	10	--	<2	70	<0.020				
85-05-08	80	250	<5	<10	<0.20	--	20	<0.020				
85-03-10	20	<30	--	<10	--	<2	20	<0.020				
85-07-08	<20	<30	<5	10	--	--	<20	<0.020				
85-02-14	30	150	--	<10	--	<2	40	<0.020				
85-06-11	<20	170	<5	<10	--	--	20	<0.020				

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)		
405053073150901		S 63966	211MGTY	85-02-28	653	69	7.0	0.93	24	7.7		
			211MGTY	85-05-12	653	70	6.5	0.55	25	6.4		
405652072590003		S 64023	211MGTY	85-03-03	835	60	6.4	0.16	19	4.6		
			211MGTY	85-06-16	835	52	6.5	0.28	16	5.1		
405301073153203		S 64062	211MGTY	85-01-24	639	31	6.0	0.35	6	1.5		
			211MGTY	85-05-12	639	28	5.7	0.22	8	1.5		
404932073060801		S 64609	112GLCLU	85-03-25	373	160	6.5	0.28	63	17		
			112GLCLU	85-08-05	373	108	6.0	0.53	37	8.4		
404941072372208		S 64716	112GLCLU	85-02-06	50	89	6.1	0.20	28	7.4		
			112GLCLU	85-05-29	50	68	5.7	0.24	19	4.1		
404505073131702		S 64847	211MGTY	85-04-21	634	22	5.9	0.64	3	0.70		
			211MGTY	85-09-26	634	25	5.5	0.31	18	1.2		
404352073215801		S 65505	211MGTY	85-01-20	650	76	7.3	2.0	29	11		
			211MGTY	85-05-06	650	19	5.4	--	20	1.2		
DATE OF SAMPLE	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY LAB (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (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)
85-02-28	1.3	3.9	0.48	28	0.90	4.5	47	0.59	<0.010	<0.100	<0.5	<5
85-05-12	1.2	6.3	0.43	30	1.4	4.0	50	0.71	<0.010	<0.100	--	--
85-03-03	1.8	4.8	0.60	26	1.4	5.0	43	0.050	<0.010	<0.100	<0.5	<5
85-06-16	1.8	4.7	0.56	24	2.0	2.5	41	0.060	<0.010	<0.100	--	--
85-01-24	0.53	3.3	0.38	9.0	<0.50	4.0	26	0.43	<0.010	0.210	<0.5	<5
85-05-12	0.51	3.2	0.35	10	0.50	4.0	27	0.48	<0.010	0.160	--	--
85-03-25	3.6	10	0.90	45	8.7	16	105	2.5	<0.010	<0.100	<0.5	<5
85-08-05	3.5	8.7	0.76	26	6.1	9.0	76	3.2	<0.010	<0.100	--	--
85-02-06	2.1	5.1	0.65	18	9.4	6.5	59	1.7	<0.010	<0.100	<0.5	<5
85-05-29	2.1	5.8	0.61	13	8.8	7.0	50	0.95	<0.010	<0.100	--	--
85-04-21	0.66	3.0	0.51	9.0	1.9	3.5	25	<0.050	<0.010	<0.100	<0.5	<5
85-09-26	0.67	3.0	0.49	10	1.7	2.0	24	<0.050	<0.010	<0.100	--	--
85-01-20	0.39	4.0	0.29	30	1.5	3.5	49	<0.050	<0.010	1.85	<0.5	<5
85-05-06	0.35	2.5	0.29	6.0	3.0	2.5	22	<0.050	<0.010	0.450	--	--
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)				
85-02-28	<20	180	--	20	--	<2	140	<0.020				
85-05-12	20	110	<5	<10	<0.20	--	310	<0.020				
85-03-03	70	<30	--	<10	--	<2	40	<0.020				
85-06-16	<20	<30	<5	10	--	--	<20	<0.020				
85-01-24	40	<30	--	<10	--	<2	<20	<0.020				
85-05-12	<20	<30	<5	<10	<0.20	--	20	<0.020				
85-03-25	30	<30	--	<10	--	<2	<20	<0.020				
85-08-05	20	<30	<5	10	--	--	<20	--				
85-02-06	<20	<30	--	<10	--	<2	40	<0.020				
85-05-29	90	<30	<5	20	--	--	<20	<0.020				
85-04-21	<20	340	--	<10	--	<2	<20	<0.020				
85-09-26	20	190	<5	<10	--	--	<20	<0.020				
85-01-20	20	720	--	<10	--	<2	50	<0.020				
85-05-06	40	--	<5	10	<0.20	--	20	<0.020				

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)			
404759073122502	S 65766	211MGTY	85-02-20	795	34	5.9	0.48	9	1.6			
		211MGTY	85-05-08	795	29	5.6	0.28	10	1.5			
404946072405601	S 65905	112GLCLU	85-02-08	161	129	5.9	0.22	20	4.2			
		112GLCLU	85-05-16	161	104	6.1	0.35	24	5.9			
404722073030504	S 66183	211MGTY	85-04-08	543	42	6.0	0.32	14	3.1			
		211MGTY	85-08-12	543	40	6.0	0.48	13	3.1			
404722073030505	S 66184	211MGTY	85-04-15	384	44	5.9	0.12	14	3.1			
		211MGTY	85-08-19	384	42	6.2	0.58	11	3.0			
405158073254801	S 66366	112GLCLU	85-04-25	479	195	6.0	0.18	57	14			
		112GLCLU	85-08-19	479	165	6.0	0.51	45	12			
404326073174103	S 66429	211MGTY	85-02-19	718	26	5.5	2.5	13	1.1			
		211MGTY	85-06-12	718	21	5.5	0.30	5	1.9			
405058073050901	S 66496	211MGTY	85-03-03	793	47	6.2	0.22	14	3.4			
		211MGTY	85-07-10	793	43	--	0.40	16	3.5			
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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (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)
85-02-20	0.85	3.1	0.40	12	2.6	3.0	28	<0.050	<0.010	<0.100	<0.5	<5
85-05-08	0.76	2.8	0.34	12	2.1	2.0	26	<0.050	<0.010	<0.100	--	--
85-02-08	1.7	17	0.67	12	6.9	30	79	0.33	<0.010	<0.100	<0.5	<5
85-05-16	1.8	19	0.76	13	7.2	31	85	0.28	<0.010	0.120	--	--
85-04-08	0.87	4.1	0.35	15	4.5	3.0	34	<0.050	<0.010	1.06	<0.5	<5
85-08-12	0.89	3.7	0.36	13	2.5	2.5	30	<0.050	<0.010	0.520	--	--
85-04-15	1.0	4.5	0.34	15	4.2	3.0	34	<0.050	<0.010	1.64	<0.5	<5
85-08-19	1.1	3.6	0.34	13	5.1	2.5	33	<0.050	<0.010	0.270	--	--
85-04-25	5.8	14	1.2	18	6.9	37	119	4.1	<0.010	<0.100	<0.5	<5
85-08-19	5.1	13	1.1	18	6.9	30	106	3.8	<0.010	<0.100	--	--
85-02-19	0.53	2.4	0.34	8.0	2.2	3.0	23	<0.050	<0.010	<0.100	<0.5	<5
85-06-12	0.54	2.4	0.47	10	2.0	1.5	24	<0.050	<0.010	<0.100	--	--
85-03-03	1.5	3.7	0.49	19	3.5	2.5	37	0.19	<0.010	<0.100	<0.5	<5
85-07-10	1.4	4.1	0.63	20	2.2	4.0	38	0.24	<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)				
85-02-20	30	140	--	10	--	<2	20	<0.020				
85-05-08	<20	<30	<5	<10	--	--	<20	<0.020				
85-02-08	<20	<30	--	<10	--	<2	<20	<0.020				
85-05-16	<20	<30	--	<10	--	--	60	<0.020				
85-04-08	<20	640	--	20	--	<2	<20	<0.020				
85-08-12	<20	660	<5	20	--	--	<20	<0.020				
85-04-15	<20	430	--	40	--	<2	<20	<0.020				
85-08-19	<20	410	<5	40	--	--	<20	<0.020				
85-04-25	20	<30	--	10	--	<2	90	<0.020				
85-08-19	<20	<30	<5	20	--	--	30	<0.020				
85-02-19	20	330	--	10	--	<2	<20	<0.020				
85-06-12	<20	250	<5	10	--	--	20	<0.020				
85-03-03	<20	150	--	<10	--	<2	<20	<0.020				
85-07-10	<20	100	<5	20	--	--	80	<0.020				

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)		
405814072100801		S 66733	211MGTY	85-02-19	607	114	6.9	0.13	34	6.9		
			211MGTY	85-05-31	607	106	6.4	0.21	24	7.1		
405248073142801		S 66758	211MGTY	85-01-23	575	31	6.4	0.22	7	1.7		
			211MGTY	85-05-06	575	26	5.9	0.25	9	1.5		
405333072241701		S 66825	211MGTY	85-02-13	385	118	6.2	0.41	40	6.9		
			211MGTY	85-05-21	385	110	5.7	0.36	29	6.9		
405002073022604		S 66881	112GLCLU	85-03-03	278	68	6.3	0.17	22	5.4		
			112GLCLU	85-07-22	278	61	6.4	0.29	22	5.5		
404632073070802		S 67074	211MGTY	85-03-04	830	50	6.0	0.36	18	3.2		
			211MGTY	85-07-07	830	48	6.3	0.16	18	4.0		
404652073120301		S 67197	211MGTY	85-04-29	763	27	6.0	7.0	6	1.4		
405309073223403		S 67656	211MGTY	85-05-01	504	41	6.3	0.21	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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (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)
85-02-19	3.3	10	0.70	22	5.9	12	73	2.5	<0.010	0.150	<0.5	<5
85-05-31	3.2	9.9	0.70	22	7.3	11	73	2.3	<0.010	<0.100	--	--
85-01-23	0.49	3.0	0.50	8.0	2.6	3.0	27	0.36	<0.010	<0.100	<0.5	<5
85-05-06	0.49	2.9	0.35	10	1.0	3.0	26	0.44	<0.010	<0.100	--	--
85-02-13	3.1	9.3	0.57	16	19	12	71	<0.050	<0.010	<0.100	<0.5	<5
85-05-21	3.0	9.4	0.56	17	10	12	64	0.66	<0.010	<0.100	--	--
85-03-03	2.1	4.3	0.49	20	7.7	4.0	47	0.31	<0.010	<0.100	<0.5	<5
85-07-22	2.3	4.3	0.57	21	7.5	4.0	48	0.44	<0.010	<0.100	--	--
85-03-04	1.4	4.6	0.73	19	2.5	3.5	37	<0.050	<0.010	0.490	<0.5	<5
85-07-07	1.4	5.9	0.91	20	3.8	3.0	40	<0.050	<0.010	2.20	--	--
85-04-29	0.90	2.9	0.40	11	1.9	3.5	27	<0.050	<0.010	<0.100	<0.5	<5
85-05-01	1.1	4.1	0.46	18	0.50	3.0	36	0.79	<0.010	<0.100	<0.5	<5
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)				
85-02-19	20	<30	--	<10	--	<2	<20	<0.020				
85-05-31	<20	<30	<5	<10	--	--	<20	<0.020				
85-01-23	50	<30	--	<10	--	<2	20	<0.020				
85-05-06	<20	<30	<5	<10	<0.20	--	<20	<0.020				
85-02-13	<20	250	--	180	--	<2	<20	<0.020				
85-05-21	<20	130	<5	170	--	--	<20	<0.020				
85-03-03	<20	<30	--	10	--	<2	<20	<0.020				
85-07-22	<20	<30	<5	<10	--	--	<20	<0.020				
85-03-04	<20	740	--	30	--	<2	<20	<0.020				
85-07-07	<20	720	--	30	--	--	20	<0.020				
85-04-29	40	--	--	10	--	<2	80	<0.020				
85-05-01	<20	30	--	10	--	<2	<20	<0.020				

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority.

STATION	NUMBER	LOCAL IDENT- IFIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TUR- BID- ITY (NTU)	HARD- NESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS Ca)		
405419072232901		S 67819	211MGTY 211MGTY	85-02-05 85-05-14	284 284	87 81	5.9 6.1	0.15 0.34	32 20	4.6 5.0		
405016073090201		S 67925	211MGTY 211MGTY	85-03-13 85-07-28	384 384	78 73	6.6 6.8	0.41 0.27	32 26	6.2 6.4		
405619073004901		S 68230	112GLCLU 112GLCLU	85-02-28 85-06-12	600 600	156 142	6.5 6.9	0.11 0.34	73 58	15 15		
404612073055003		S 68552	211MGTY 211MGTY	85-04-15 85-08-26	838 838	50 48	6.3 6.0	0.39 0.42	14 24	3.2 3.4		
404912073033303		S 68666	112GLCLU 112GLCLU	85-03-06 85-07-24	274 274	127 116	6.3 6.0	0.21 0.25	36 40	9.2 9.3		
404633073070901		S 68690	211MGTY 211MGTY	85-03-06 85-07-07	824 824	53 51	6.3 6.2	0.58 0.25	22 14	3.0 3.2		
405342073030702		S 68880	211MGTY 211MGTY	85-03-24 85-07-31	597 597	34 32	6.8 6.4	0.15 0.45	12 18	2.9 2.8		
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 TOTAL 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)
85-02-05	1.7	8.4	0.61	14	12	12	57	<0.050	<0.010	<0.100	<0.5	<5
85-05-14	1.9	8.4	0.53	16	10	9.5	55	<0.050	<0.010	<0.100	--	--
85-03-13	3.0	4.3	0.37	29	1.9	4.0	51	1.0	<0.010	<0.100	<0.5	<5
85-07-28	3.2	4.4	0.39	30	1.3	4.0	53	1.2	<0.010	<0.100	--	--
85-02-28	5.1	6.1	0.81	18	13	9.0	99	6.5	<0.010	<0.100	<0.5	<5
85-06-12	5.2	5.7	0.76	17	17	7.5	103	7.2	<0.010	0.260	--	--
85-04-15	1.5	5.3	0.50	20	2.9	4.0	39	<0.050	<0.010	1.10	<0.5	<5
85-08-26	1.5	5.3	0.55	19	4.0	2.5	38	<0.050	<0.010	0.320	--	--
85-03-06	3.9	8.1	0.86	21	12	11	83	3.4	<0.010	<0.100	<0.5	<5
85-07-24	4.0	8.7	0.99	21	12	13	86	3.7	<0.010	<0.100	--	--
85-03-06	1.4	4.8	0.71	19	2.2	3.5	36	<0.050	<0.010	0.370	<0.5	<5
85-07-07	1.4	5.3	0.78	20	3.6	4.0	40	<0.050	<0.010	3.40	--	--
85-03-24	0.76	2.7	0.34	14	0.80	3.0	28	<0.050	<0.010	<0.100	<0.5	<5
85-07-31	0.77	2.7	0.36	18	<0.50	1.0	28	0.17	<0.010	0.140	--	--
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)				
85-02-05	<20	<30	--	<10	--	<2	<20	<0.020				
85-05-14	<20	<30	<5	<10	--	--	<20	<0.020				
85-03-13	20	<30	--	10	--	<2	30	<0.020				
85-07-28	<20	<30	<5	10	--	--	<20	<0.020				
85-02-28	<20	30	--	<10	--	<2	<20	<0.020				
85-06-12	<20	<30	<5	<10	--	--	20	<0.020				
85-04-15	<20	840	--	10	--	<2	<20	<0.020				
85-08-26	<20	660	--	10	--	--	<20	<0.020				
85-03-06	70	<30	--	<10	--	<2	<20	<0.020				
85-07-24	30	<30	<5	<10	--	--	<20	<0.020				
85-03-06	<20	760	--	30	--	<2	<20	<0.020				
85-07-07	<20	660	<5	20	--	--	60	<0.020				
85-03-24	<20	<30	--	<10	--	<2	<20	<0.020				
85-07-31	<20	<30	<5	<10	--	--	<20	<0.020				

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)
404547073104203		S 69024	211MGTY	85-04-28	721	42	6.3	1.8	12	3.2
405551072561601		S 69364	211MGTY	85-02-04	529	93	6.4	0.25	37	9.2
			211MGTY	85-05-26	529	86	6.3	0.25	35	9.3
405500072334501		S 69511	112GLCLU	85-02-13	268	81	6.5	0.23	18	3.9
			112GLCLU	85-05-14	268	73	6.4	0.31	15	4.3
410152071581501		S 70155	112GLCLU	85-02-18	240	114	6.5	0.42	27	4.8
			112GLCLU	85-06-02	240	88	6.3	0.31	26	4.5
405221073021202		S 70459	112GLCLU	85-03-26	415	119	6.7	0.20	39	7.7
			112GLCLU	85-08-07	415	90	5.9	0.49	31	6.7
405155073045203		S 70488	211MGTY	85-04-01	440	45	6.8	0.14	20	4.0
			211MGTY	85-08-07	440	60	6.3	0.39	27	5.0
405607073072403		S 70767	211MGTY	85-03-13	577	34	6.8	0.24	8	1.9
			211MGTY	85-07-11	577	28	6.1	0.26	11	2.2

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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (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)
85-04-28	1.1	4.2	0.39	12	1.8	5.0	34	0.39	<0.010	<0.100	<0.5	<5
85-02-04	2.9	5.8	0.91	37	4.8	2.5	58	0.11	<0.010	2.13	<0.5	<5
85-05-26	2.9	5.5	0.90	36	5.7	3.5	59	<0.050	<0.010	2.57	--	--
85-02-13	1.8	7.4	0.53	16	7.6	9.5	50	<0.050	<0.010	<0.100	<0.5	<5
85-05-14	1.9	7.2	0.50	15	7.3	9.0	49	0.070	<0.010	0.320	--	--
85-02-18	2.6	13	0.89	18	9.5	19	71	<0.050	<0.010	<0.100	<0.5	<5
85-06-02	2.5	13	0.89	18	8.8	17	68	0.070	<0.010	<0.100	--	--
85-03-26	3.3	9.5	0.79	18	9.2	10	78	3.9	<0.010	<0.100	<0.5	<5
85-08-07	2.9	7.6	2.9	18	6.2	8.0	67	3.3	<0.010	<0.100	--	--
85-04-01	1.2	3.6	0.40	20	2.2	2.5	35	<0.050	<0.010	<0.100	<0.5	<5
85-08-07	1.6	5.1	0.61	21	3.3	3.0	44	0.87	<0.010	<0.100	--	--
85-03-13	0.76	3.3	0.35	12	3.0	3.0	29	<0.050	<0.010	<0.100	<0.5	<5
85-07-11	0.85	3.3	0.66	12	2.4	2.0	28	0.080	<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)
85-04-28	100	50	--	<10	--	<2	<20	<0.020
85-02-04	<20	90	--	<10	--	<2	<20	<0.020
85-05-26	<20	90	<5	30	--	--	<20	<0.020
85-02-13	<20	<30	--	<10	--	<2	<20	<0.020
85-05-14	<20	<30	<5	<10	--	--	<20	<0.020
85-02-18	<20	290	--	30	--	<2	<20	<0.020
85-06-02	<20	380	<5	20	--	--	<20	<0.020
85-03-26	<20	<30	--	<10	--	<2	30	<0.020
85-08-07	<20	<30	<5	<10	--	--	20	<0.020
85-04-01	20	<30	--	10	--	<2	20	<0.020
85-08-07	30	<30	<5	<10	--	--	60	--
85-03-13	<20	<30	--	<10	--	<2	<20	<0.020
85-07-11	<20	<30	<5	<10	--	--	20	<0.020

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)
404319073153701	S 71038	211MGTY	85-03-05	592	39	6.4	0.44	10	1.4
		211MGTY	85-05-20	592	37	6.2	0.60	15	2.3
404528073150701	S 71083	211MGTY	85-04-21	798	86	6.1	0.44	35	6.4
		211MGTY	85-09-10	798	25	5.0	0.56	10	1.5
405253073263402	S 71533	112GLCLU	85-04-25	344	47	6.1	0.28	16	3.5
		112GLCLU	85-08-17	344	54	6.3	1.4	20	4.4
404807072590801	S 71785	211MGTY	85-01-30	357	61	6.7	1.1	28	5.0
		211MGTY	85-05-26	357	55	6.3	0.40	21	4.2
405500072334502	S 71892	211MGTY	85-02-12	366	70	6.2	0.33	15	3.6
		211MGTY	85-05-21	366	63	6.0	0.43	19	4.5
405057073170201	S 72271	112GLCLU	85-01-24	681	90	6.6	0.18	27	7.1
		112GLCLU	85-05-06	681	80	6.6	0.30	31	7.4
404419073171602	S 72917	211MGTY	85-02-14	460	46	6.3	0.54	21	2.6
		211MGTY	85-06-11	460	35	6.4	0.54	16	2.5

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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (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)
85-03-05	1.2	3.8	0.50	11	2.2	3.0	28	<0.050	<0.010	0.920	<0.5	<5
85-05-20	1.2	3.9	0.50	10	4.2	2.5	30	<0.050	<0.010	1.85	--	--
85-04-21	2.4	7.2	0.62	16	12	9.0	62	1.0	<0.010	<0.100	<0.5	<5
85-09-10	0.60	2.7	0.27	8.0	3.3	1.5	24	<0.050	<0.010	<0.100	--	--
85-04-25	1.4	4.7	0.63	15	<0.50	3.5	39	1.5	<0.010	<0.100	<0.5	<5
85-08-17	1.5	4.9	0.65	17	0.70	3.5	43	1.8	<0.010	<0.100	--	--
85-01-30	2.1	3.8	0.38	18	7.8	3.5	43	0.14	<0.010	<0.100	<0.5	<5
85-05-26	1.7	3.1	0.33	18	6.1	3.5	39	0.11	<0.010	<0.100	--	--
85-02-12	1.3	6.8	0.47	17	4.4	8.5	44	<0.050	<0.010	0.260	<0.5	<5
85-05-21	1.3	6.6	0.47	16	4.6	7.5	44	<0.050	<0.010	0.110	--	--
85-01-24	2.9	4.8	0.76	26	4.7	4.0	55	1.3	<0.010	<0.100	<0.5	<5
85-05-06	3.1	5.0	0.70	28	5.4	3.5	57	1.3	<0.010	<0.100	--	--
85-02-14	1.4	3.9	0.60	16	1.6	3.5	32	<0.050	<0.010	0.730	<0.5	<5
85-06-11	1.4	3.4	0.53	15	3.1	3.0	32	<0.050	<0.010	0.950	--	--

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)
85-03-05	<20	370	--	<10	--	<2	<20	<0.020
85-05-20	<20	220	<5	40	--	--	90	<0.020
85-04-21	120	--	--	<10	--	<2	<20	<0.020
85-09-10	<20	30	<5	<10	--	--	<20	<0.020
85-04-25	20	<30	--	10	--	<2	<20	<0.020
85-08-17	<20	<30	<5	20	--	--	<20	<0.020
85-01-30	<20	<30	--	<10	--	<2	<20	<0.020
85-05-26	20	<30	<5	10	--	--	<20	<0.020
85-02-12	<20	<30	--	<10	--	<2	20	<0.020
85-05-21	<20	<30	--	<10	--	--	<20	<0.020
85-01-24	20	<30	--	<10	--	<2	<20	<0.020
85-05-06	<20	30	<5	10	<0.20	--	<20	<0.020
85-02-14	<20	400	--	20	--	<2	<20	<0.020
85-06-11	<20	300	<5	10	--	--	<20	<0.020

QUALITY OF GROUND WATER

247

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TURBIDITY (NTU)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)		
405319073233602		S 73144	112GLCLU	85-04-27	319	157	6.8	0.16	48	14		
			112GLCLU	85-08-16	319	136	6.3	0.43	48	12		
405720072122703		S 73332	112GLCLU	85-03-25	184	180	6.0	0.30	60	12		
			112GLCLU	85-06-05	184	155	5.9	0.25	50	9.7		
404524073044802		S 73492	211MGTY	85-04-23	482	45	6.2	1.8	15	3.5		
			211MGTY	85-08-26	482	46	6.4	0.33	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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (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)
85-04-27	5.4	8.0	1.0	27	19	10	107	5.3	<0.010	<0.100	<0.5	<5
85-08-16	4.6	7.5	0.89	29	17	7.0	95	4.1	<0.010	<0.100	--	--
85-03-25	7.1	11	1.4	17	26	20	118	4.3	<0.010	<0.100	<0.5	<5
85-06-05	5.6	13	1.4	18	19	18	107	4.3	<0.010	<0.100	--	--
85-04-23	1.6	3.6	0.42	18	2.8	2.5	34	<0.050	<0.010	0.400	<0.5	<5
85-08-26	1.6	4.0	0.33	17	3.5	1.5	--	<0.050	<0.010	0.890	--	--
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)				
85-04-27	<20	<30	--	<10	--	<2	<20	<0.020				
85-08-16	30	<30	<5	<10	--	--	<20	<0.020				
85-03-25	50	<30	--	<10	--	<2	440	<0.020				
85-06-05	20	<30	<5	<10	--	--	<20	<0.020				
85-04-23	<20	550	--	20	--	<2	<20	<0.020				
85-08-26	<20	430	<5	20	--	--	60	<0.020				

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)		
404323073253401		S 43808	112GLCLU	84-10-03	59	220	5.8	13.0	2.6	--		
			112GLCLU	84-11-13	59	210	5.5	12.0	0.25	--		
			112GLCLU	84-12-03	59	210	5.9	13.0	1.0	--		
			112GLCLU	84-12-31	59	210	--	12.0	0.30	--		
			112GLCLU	85-02-10	59	200	6.1	12.0	0.35	--		
			112GLCLU	85-03-06	59	215	5.6	13.0	0.30	18		
			112GLCLU	85-04-17	59	185	5.3	11.0	4.5	18		
			112GLCLU	85-05-23	59	190	5.5	10	0.25	--		
			112GLCLU	85-06-25	59	80	5.4	8.0	--	17		
			112GLCLU	85-08-06	59	185	5.3	4.0	0.30	18		
			112GLCLU	85-09-18	59	200	4.9	8.0	1.5	17		
DATE OF SAMPLE	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CACQ3)	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)
84-10-03	--	27	--	31	44	15	7.3	--	--	<100	150	680
84-11-13	--	26	--	28	44	15	7.6	--	--	<100	190	620
84-12-03	--	--	6.0	30	--	15	6.8	0.002	--	--	200	780
84-12-31	--	--	5.2	--	--	16	6.8	0.002	--	--	300	780
85-02-10	--	--	5.6	34	--	16	6.6	0.030	--	--	100	880
85-03-06	2.7	25	5.5	27	40	16	6.4	0.002	--	--	300	820
85-04-17	2.7	25	5.5	25	39	16	6.2	0.003	--	--	400	720
85-05-23	--	24	--	7	46	15	6.6	--	--	<100	290	610
85-06-25	2.5	22	5.0	22	38	14	--	0.002	--	--	300	690
85-08-06	2.5	21	4.5	23	32	14	5.9	0.002	--	--	200	700
85-09-18	2.4	17	4.5	18	32	14	5.5	0.002	--	--	300	660
							METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)					
					DATE OF SAMPLE	ZINC, DIS- SOLVED (UG/L AS ZN)						
					84-10-03	<400	<0.10					
					84-11-13	<400	<0.10					
					84-12-03	--	--					
					84-12-31	--	--					
					85-02-10	--	--					
					85-03-06	--	--					
					85-04-17	--	--					
					85-05-23	<400	<0.10					
					85-06-25	--	--					
					85-08-06	--	--					
					85-09-18	--	--					

QUALITY OF GROUND WATER

249

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)		
404124073241601		S 43809	112GLCLU	84-11-13	39	280	4.4	14.0	2.1	--		
			112GLCLU	84-12-12	39	250	5.3	15.0	3.2	--		
			112GLCLU	84-12-21	39	280	4.5	14.0	2.1	--		
			112GLCLU	84-12-31	39	165	--	14.0	2.9	--		
			112GLCLU	85-02-07	39	105	--	13.0	2.5	--		
			112GLCLU	85-03-04	39	105	4.2	14.0	1.0	7.0		
			112GLCLU	85-04-16	39	180	4.4	11.0	0.45	13		
			112GLCLU	85-04-23	39	225	4.5	11.0	0.45	14		
			112GLCLU	85-05-22	39	600	4.5	9.0	2.4	24		
			112GLCLU	85-06-13	39	150	5.2	8.0	0.35	--		
			112GLCLU	85-08-05	39	165	6.2	3.0	0.60	12		
			112GLCLU	85-09-18	39	310	4.1	7.0	0.45	23		
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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (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, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	MANGANESE, DIS-SOLVED (UG/L AS MN)
84-11-13	--	41	--	--	22	82	5.3	--	--	<100	120	380
84-12-12	--	44	--	5	23	69	2.9	--	--	<100	<100	260
84-12-21	--	46	--	--	26	90	4.2	--	--	<100	220	380
84-12-31	--	--	3.5	--	--	34	2.6	0.004	--	--	200	200
85-02-07	--	18	--	--	29	9.0	2.1	--	--	<100	190	120
85-03-04	1.0	12	2.2	--	26	7.9	1.6	0.002	--	--	300	230
85-04-16	1.9	30	3.2	--	17	46	4.4	0.011	--	--	200	340
85-04-23	2.2	42	3.4	--	16	68	4.7	0.009	--	--	100	360
85-05-22	3.4	190	7.0	--	24	320	2.1	0.002	--	--	200	160
85-06-13	--	14	--	15	33	18	3.0	--	--	<100	1600	540
85-08-05	2.5	16	5.0	--	36	18	2.3	0.002	--	--	800	600
85-09-18	3.3	43	4.8	--	24	77	7.3	0.008	--	--	<50	420
					DATE OF SAMPLE	ZINC, DIS-SOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)					
					84-11-13	<400	<0.10					
					84-12-12	<400	--					
					84-12-21	<400	<0.10					
					84-12-31	--	--					
					85-02-07	<400	<0.10					
					85-03-04	--	--					
					85-04-16	--	--					
					85-04-23	--	--					
					85-05-22	--	--					
					85-06-13	<400	<0.10					
					85-08-05	--	--					
					85-09-18	--	--					

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)		
404124073241602		S 43810	112GLCLU	84-11-21	76	165	5.4	12.0	0.05	--		
			112GLCLU	84-12-12	76	170	5.8	13.0	0.75	--		
			112GLCLU	84-12-31	76	160	--	12.0	0.20	--		
			112GLCLU	85-02-07	76	170	--	12.0	0.20	--		
			112GLCLU	85-03-04	76	285	5.8	13.0	0.03	12		
			112GLCLU	85-04-16	76	160	4.9	11.0	0.10	13		
			112GLCLU	85-04-22	76	160	4.8	11.0	0.25	13		
			112GLCLU	85-05-22	76	165	5.7	9.0	--	14		
			112GLCLU	85-06-13	76	480	4.6	7.0	1.6	--		
			112GLCLU	85-08-05	76	400	--	3.0	1.8	20		
			112GLCLU	85-09-18	76	170	5.3	6.0	0.35	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 FIELD (MG/L AS CAC03)	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)
84-11-21	--	18	--	11	37	23	1.8	--	--	<100	1100	440
84-12-12	--	8.2	--	20	31	22	2.1	--	--	<100	1300	500
84-12-31	--	--	5.4	--	--	25	0.90	0.006	--	--	5000	780
85-02-07	--	21	--	--	29	23	3.2	--	--	<100	1400	590
85-03-04	2.5	19	6.0	62	24	22	0.51	0.011	--	--	15000	960
85-04-16	2.6	18	6.0	9	30	23	4.0	0.004	--	--	1000	750
85-04-22	2.6	17	5.5	7	30	24	4.1	0.003	--	--	700	750
85-05-22	2.6	23	5.5	24	28	29	2.9	0.010	--	--	3500	850
85-06-13	--	130	--	2	24	220	3.6	--	--	<100	160	100
85-08-05	3.0	88	2.6	--	27	150	2.0	0.003	--	--	100	220
85-09-18	2.3	14	1.8	10	36	21	1.9	0.005	--	--	1400	560
					DATE OF SAMPLE	ZINC, DIS- SOLVED (UG/L AS ZN)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)					
					84-11-21	<400	<0.10					
					84-12-12	<400	<0.10					
					84-12-31	--	--					
					85-02-07	<400	<0.10					
					85-03-04	--	--					
					85-04-16	--	--					
					85-04-22	--	--					
					85-05-22	--	--					
					85-06-13	<400	<0.10					
					85-08-05	--	--					
					85-09-18	--	--					

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)		
404158073225801		S 43812	112GLCLU	84-10-01	35	350	6.3	16.0	2.2	18		
			112GLCLU	84-11-14	35	300	5.3	16.0	0.20	--		
			112GLCLU	84-11-21	35	300	5.9	16.0	--	--		
			112GLCLU	84-12-12	35	310	5.7	16.0	0.75	--		
			112GLCLU	85-01-03	35	290	--	14.0	0.20	--		
			112GLCLU	85-02-10	35	350	6.3	14.0	0.25	--		
			112GLCLU	85-03-04	35	310	5.9	15.0	0.35	31		
			112GLCLU	85-04-16	35	--	5.7	12.0	0.20	30		
			112GLCLU	85-04-23	35	340	5.7	11.0	0.05	29		
			112GLCLU	85-05-22	35	320	5.7	10	0.05	26		
			112GLCLU	85-06-13	35	300	5.9	9.0	0.15	--		
			112GLCLU	85-08-05	35	340	--	5.0	0.10	26		
			112GLCLU	85-09-19	35	370	5.4	11.0	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 FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (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, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	MANGANESE, DIS-SOLVED (UG/L AS MN)
84-10-01	3.3	50	6.5	69	30	79	<0.050	0.002	--	--	900	10000
84-11-14	--	5.6	--	65	32	6.8	0.40	--	--	<100	710	7400
84-11-21	--	47	--	77	34	70	<0.40	--	--	<100	930	7400
84-12-12	--	42	--	77	30	69	<0.20	--	--	<100	1700	8100
85-01-03	--	41	--	--	30	6.7	<0.20	--	--	<100	1600	8500
85-02-10	--	8.2	--	113	--	78	<0.050	0.028	--	--	2200	18000
85-03-04	6.0	44	8.0	102	29	78	0.050	<0.001	--	--	2400	15000
85-04-16	6.0	44	9.0	98	28	76	0.090	0.004	--	--	1500	12000
85-04-23	5.5	42	8.5	97	28	76	0.080	0.005	--	--	1500	13000
85-05-22	5.0	40	9.0	98	29	71	0.17	0.003	--	--	1300	10000
85-06-13	--	37	--	84	29	63	0.60	--	--	<100	800	5900
85-08-05	4.9	39	8.5	--	29	61	0.11	0.001	--	--	800	8000
85-09-19	--	37	--	93	32	50	<0.20	--	--	<100	1100	6100
DATE OF SAMPLE					ZINC, DIS-SOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)						
84-10-01					--	--						
84-11-14					<400	<0.10						
84-11-21					<400	<0.10						
84-12-12					<400	<0.10						
85-01-03					<400	<0.10						
85-02-10					--	--						
85-03-04					--	--						
85-04-16					--	--						
85-04-23					--	--						
85-05-22					--	--						

QUALITY OF GROUND WATER

253

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)		
404158073225802		S 43813	112GLCLU	84-10-19	78	300	5.6	14.0	1.8	15		
			112GLCLU	84-11-14	78	320	5.3	14.0	--	--		
			112GLCLU	84-11-21	78	350	6.2	14.0	--	--		
			112GLCLU	84-12-12	78	300	5.5	14.0	0.65	--		
			112GLCLU	85-01-03	78	400	--	15.0	0.15	--		
			112GLCLU	85-02-10	78	295	5.9	14.0	0.20	--		
			112GLCLU	85-03-04	78	290	5.4	15.0	0.25	18		
			112GLCLU	85-04-16	78	290	5.2	13.0	0.05	18		
			112GLCLU	85-04-23	78	300	5.5	13.0	0.1	18		
			112GLCLU	85-05-22	78	270	5.5	11.0	--	18		
			112GLCLU	85-06-13	78	270	5.5	10	0.1	--		
			112GLCLU	85-08-05	78	290	--	5.0	0.05	16		
			112GLCLU	85-09-19	78	300	5.0	10	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 FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (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, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	MANGANESE, DIS-SOLVED (UG/L AS MN)
84-10-19	7.0	34	4.6	30	38	64	2.8	0.003	--	--	3900	600
84-11-14	--	41	--	19	39	85	3.3	--	--	<100	1800	660
84-11-21	--	44	--	33	40	83	2.8	--	--	<100	5400	680
84-12-12	--	40	--	29	36	73	3.2	--	--	<100	2900	580
85-01-03	--	41	--	--	40	76	3.3	--	--	<100	2000	470
85-02-10	--	6.4	--	29	--	78	3.1	0.005	--	--	2300	1200
85-03-04	7.5	40	6.0	21	37	88	3.3	0.001	--	--	2600	760
85-04-16	8.0	40	6.5	20	37	80	3.5	0.004	--	--	1400	650
85-04-23	7.5	36	6.0	17	37	76	3.2	0.005	--	--	2800	600
85-05-22	6.5	35	5.5	26	39	65	3.0	0.003	--	--	1700	780
85-06-13	--	32	--	25	40	53	3.1	--	--	<100	1600	380
85-08-05	5.5	34	4.9	--	30	50	1.1	0.008	--	--	1600	380
85-09-19	--	33	--	27	46	42	2.2	--	--	<100	2500	310
DATE OF SAMPLE						ZINC, DIS-SOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)					
84-10-19						--	--					
84-11-14						<400	<0.10					
84-11-21						<400	<0.10					
84-12-12						<400	<0.10					
85-01-03						<400	<0.10					
85-02-10						--	--					
85-03-04						--	--					
85-04-16						--	--					
85-04-23						--	--					
85-05-22						--	--					
85-06-13						<400	<0.10					
85-08-05						--	--					
85-09-19						<400	<0.10					

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)		
404455073215001		S 43814	112GLCLU	84-10-04	50	180	5.1	12.0	3.1	--		
			112GLCLU	84-11-08	50	175	4.0	12.0	0.30	--		
			112GLCLU	84-12-04	50	180	4.7	12.0	1.0	--		
			112GLCLU	85-01-07	50	160	--	12.0	0.1	--		
			112GLCLU	85-02-14	50	170	4.8	12.0	0.30	--		
			112GLCLU	85-03-06	50	105	4.5	13.0	0.20	14		
			112GLCLU	85-04-18	50	160	4.6	11.0	0.15	--		
			112GLCLU	85-05-29	50	155	5.9	8.0	0.15	13		
			112GLCLU	85-06-25	50	155	4.4	6.0	0.05	13		
			112GLCLU	85-08-07	50	165	4.2	8.0	1.0	14		
			112GLCLU	85-09-23	50	190	4.1	6.0	0.25	13		
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 CAC03)	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)
84-10-04	--	23	--	10	38	24	3.4	--	--	<100	2600	1400
84-11-08	--	20	--	3	41	22	2.9	--	--	<100	1100	1400
84-12-04	--	20	--	1	38	22	3.0	--	--	<100	1900	1500
85-01-07	--	--	3.1	--	--	33	3.3	0.003	--	--	1300	1800
85-02-14	--	3.5	--	7	41	19	3.3	--	--	<100	1800	1600
85-03-06	2.3	19	3.0	185	3.9	22	2.9	0.009	--	--	4700	2200
85-04-18	--	20	--	5	41	23	3.2	--	--	<100	2400	1600
85-05-29	2.0	19	2.6	6	37	21	3.5	0.002	--	--	1700	2000
85-06-25	1.9	19	2.8	--	38	13	3.4	0.003	--	--	1000	1900
85-08-07	2.0	18	2.7	--	36	21	4.0	0.002	--	--	800	2000
85-09-23	2.0	18	2.8	--	32	20	4.5	0.002	--	--	700	2000
					DATE OF SAMPLE	ZINC, DIS- SOLVED (UG/L AS ZN)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)					
					84-10-04	<400	<0.10					
					84-11-08	<400	<0.10					
					84-12-04	<400	<0.10					
					85-01-07	--	--					
					85-02-14	<400	<0.10					
					85-03-06	--	--					
					85-04-18	<400	<0.10					
					85-05-29	--	--					
					85-06-25	--	--					
					85-08-07	--	--					
					85-09-23	--	--					

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)		
404237073220602		S 43816	112GLCLU	84-10-21	80	185	6.1	13.0	1.4	14		
			112GLCLU	84-11-05	80	170	5.0	13.0	0.35	16		
			112GLCLU	84-12-13	80	180	--	13.0	--	--		
			112GLCLU	85-01-03	80	215	--	13.0	--	--		
			112GLCLU	85-02-13	80	160	--	13.0	0.35	--		
			112GLCLU	85-03-05	80	170	4.8	13.0	0.30	12		
			112GLCLU	85-04-17	80	160	4.8	12.0	0.95	13		
			112GLCLU	85-05-28	80	145	5.0	9.0	0.20	13		
			112GLCLU	85-06-24	80	150	5.1	8.0	0.1	14		
			112GLCLU	85-08-06	80	175	4.9	3.0	0.05	14		
			112GLCLU	85-09-14	80	180	4.5	8.0	0.90	--		
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 CAC03)	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)
84-10-21	3.8	14	3.8	41	30	20	3.6	0.008	--	--	2600	600
84-11-05	4.0	16	4.4	7	36	20	0.40	0.002	--	--	300	420
84-12-13	--	16	--	--	38	18	4.9	--	--	<100	430	390
85-01-03	--	6.8	--	--	32	18	4.9	--	--	<100	340	350
85-02-13	--	16	--	--	33	17	4.8	--	--	<100	350	310
85-03-05	3.6	16	4.4	2	36	18	4.6	0.003	--	--	500	420
85-04-17	3.5	17	4.2	6	36	18	4.5	0.006	--	--	600	420
85-05-28	3.5	17	3.9	8	37	17	4.4	0.003	--	--	600	420
85-06-24	3.7	18	4.5	8	36	16	4.4	0.004	--	--	500	420
85-08-06	3.6	18	4.2	8	36	19	4.9	0.004	--	--	600	500
85-09-14	--	18	--	--	35	70	5.6	--	--	<100	370	440
							METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)					
					DATE OF SAMPLE	ZINC, DIS- SOLVED (UG/L AS ZN)						
					84-10-21	--	--					
					84-11-05	--	--					
					84-12-13	<400	<0.10					
					85-01-03	<400	<0.10					
					85-02-13	<400	<0.10					
					85-03-05	--	--					
					85-04-17	--	--					
					85-05-28	--	--					
					85-06-24	--	--					
					85-08-06	--	--					
					85-09-14	<400	<0.10					

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)		
404257073202401		S 43818	112GLCLU	84-10-02	36	200	5.7	5.0	1.5	17		
			112GLCLU	84-11-05	36	145	5.3	15.0	0.25	18		
			112GLCLU	84-11-29	36	188	5.4	16.0	0.95	--		
			112GLCLU	84-12-13	36	195	--	15.0	0.60	--		
			112GLCLU	85-01-07	36	230	--	15.0	0.20	--		
			112GLCLU	85-02-13	36	160	--	13.0	0.20	--		
			112GLCLU	85-03-05	36	100	5.2	13.0	0.55	16		
			112GLCLU	85-03-12	36	170	5.3	12.0	0.20	16		
			112GLCLU	85-04-18	36	165	5.1	11.0	0.20	--		
			112GLCLU	85-05-28	36	160	5.4	5.0	0.10	17		
			112GLCLU	85-06-26	36	165	5.1	7.0	0.25	16		
			112GLCLU	85-08-07	36	175	4.9	9.0	0.55	17		
			112GLCLU	85-09-23	36	200	4.8	10	0.35	18		
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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (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, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	MANGANESE, DIS-SOLVED (UG/L AS MN)
84-10-02	2.9	16	4.1	26	38	20	5.1	0.002	--	--	200	1600
84-11-05	2.8	17	4.7	20	37	20	4.9	0.003	--	--	100	1900
84-11-29	--	15	--	20	29	17	4.8	--	--	<100	<100	1600
84-12-13	--	15	--	--	38	18	4.5	--	--	<100	1600	<50
85-01-07	--	--	4.7	--	--	19	4.1	0.002	--	--	100	1800
85-02-13	--	15	--	--	29	18	4.2	--	--	<100	<100	1400
85-03-05	2.6	15	4.2	16	29	20	4.4	0.002	--	--	100	1800
85-03-12	2.5	16	4.2	21	29	20	4.5	0.004	--	--	100	1700
85-04-18	--	17	--	17	27	21	4.8	--	--	<100	<100	1400
85-05-28	2.7	18	3.6	24	29	20	5.0	0.001	--	--	200	1800
85-06-26	2.7	16	4.0	21	28	19	5.0	0.002	--	--	100	1600
85-08-07	2.7	17	3.8	48	29	19	4.9	0.002	--	--	100	1700
85-09-23	2.8	19	4.1	18	29	22	5.0	0.002	--	--	<50	1800
DATE OF SAMPLE						ZINC, DIS-SOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)					
84-10-02						--	--					
84-11-05						--	--					
84-11-29						<400	<0.10					
84-12-13						<400	<0.10					
85-01-07						--	--					
85-02-13						<400	--					
85-03-05						--	--					
85-03-12						--	--					
85-04-18						<400	<0.10					
85-05-28						--	--					

QUALITY OF GROUND WATER

259

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)		
404250073202302		S 43819	112GLCLU	84-10-02	78	200	5.1	13.0	1.5	15		
			112GLCLU	84-11-05	78	205	5.1	13.0	0.15	17		
			112GLCLU	84-11-29	78	210	5.1	13.0	0.65	--		
			112GLCLU	84-12-13	78	220	--	13.0	0.60	--		
			112GLCLU	85-01-07	78	200	--	13.0	0.15	--		
			112GLCLU	85-02-13	78	210	--	13.0	0.15	--		
			112GLCLU	85-03-05	78	220	5.2	13.0	0.30	17		
			112GLCLU	85-03-12	78	215	5.2	12.0	0.05	8.0		
			112GLCLU	85-04-18	78	200	5.2	11.0	0.05	--		
			112GLCLU	85-05-28	78	200	5.2	8.0	0.10	16		
			112GLCLU	85-06-26	78	185	4.8	7.0	0.15	15		
			112GLCLU	85-08-07	78	200	5.1	9.0	3.5	14		
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)
84-10-02	5.5	18	4.1	10	30	29	7.5	0.002	--	--	700	300
84-11-05	5.3	21	4.9	9	32	30	8.0	0.005	--	--	800	380
84-11-29	--	22	--	10	28	29	7.4	--	--	<100	610	310
84-12-13	--	23	--	--	38	33	7.5	--	--	<100	720	330
85-01-07	--	--	5.4	--	--	31	8.2	0.002	--	--	600	420
85-02-13	--	21	--	--	33	30	8.0	--	--	<100	600	340
85-03-05	5.0	25	5.5	15	33	32	7.2	0.002	--	--	1200	540
85-03-12	5.0	24	5.5	11	37	32	8.1	0.003	--	--	600	420
85-04-18	--	26	--	13	35	34	7.3	--	--	<100	630	360
85-05-28	5.0	25	5.0	14	35	32	6.9	0.001	--	--	700	440
85-06-26	4.5	24	5.5	8	34	31	6.5	0.003	--	--	800	400
85-08-07	4.0	25	5.0	6	31	31	6.0	0.003	--	--	800	400
							METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)					
					DATE OF SAMPLE	ZINC, DIS- SOLVED (UG/L AS ZN)						
					84-10-02	--	--					
					84-11-05	--	--					
					84-11-29	<400	<0.10					
					84-12-13	<400	<0.10					
					85-01-07	--	--					
					85-02-13	<400	<0.10					
					85-03-05	--	--					
					85-03-12	--	--					
					85-04-18	<400	<0.10					
					85-05-28	--	--					
					85-06-26	--	--					
					85-08-07	--	--					

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)			
404649073184001	S 43820	112GLCLU	84-11-08	98	65	5.6	12.0	7.5	--			
		112GLCLU	85-01-08	98	43	--	12.0	9.0	--			
		112GLCLU	85-02-14	98	48	5.3	11.0	5.3	--			
		112GLCLU	85-03-07	98	50	--	12.0	10.2	--			
		112GLCLU	85-04-22	98	45	5.3	10	10.4	4.4			
		112GLCLU	85-05-30	98	50	5.1	8.0	9.2	--			
		112GLCLU	85-06-27	98	50	4.8	6.0	11.2	--			
		112GLCLU	85-08-08	98	52	4.8	8.0	9.6	--			
		112GLCLU	85-09-25	98	50	4.5	6.0	7.6	4.5			
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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (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, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	MANGANESE, DIS-SOLVED (UG/L AS MN)
84-11-08	--	2.2	--	3	14	2.0	0.80	--	--	<100	180	490
85-01-08	--	3.3	--	--	8.0	3.0	0.90	--	--	<100	220	310
85-02-14	--	5.2	--	3	9.0	3.0	0.70	--	--	<100	450	330
85-03-07	--	2.9	--	--	9.0	4.0	0.80	--	--	<100	220	340
85-04-22	0.80	2.7	2.8	2	10	4.8	0.77	0.001	--	--	200	390
85-05-30	--	2.6	--	2	11	7.0	0.80	--	--	<100	180	330
85-06-27	--	2.0	--	1	15	6.0	0.90	--	--	<100	<100	370
85-08-08	--	2.5	--	0.9	8.0	5.0	0.80	--	--	<100	130	330
85-09-25	0.80	2.5	2.4	--	9.1	5.9	0.93	0.004	--	--	100	380
DATE OF SAMPLE	ZINC, DIS-SOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)										
84-11-08	<400	<0.10										
85-01-08	<400	<0.10										
85-02-14	<400	<0.10										
85-03-07	<400	<0.10										
85-04-22	--	--										
85-05-30	<400	<0.10										
85-06-27	<400	<0.10										
85-08-08	<400	<0.10										
85-09-25	--	--										

SUFFOLK COUNTY--Continued

STATION	NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)
404302073185501		S 43821	112GLCLU	84-10-21	36	420	5.7	14.0	2.0	26
			112GLCLU	84-11-01	36	235	5.0	15.0	1.0	--
			112GLCLU	85-02-07	36	290	--	13.0	0.40	--
			112GLCLU	85-04-22	36	270	5.7	11.0	1.3	20
			112GLCLU	85-05-30	36	300	5.8	8.0	0.85	--
			112GLCLU	85-06-26	36	250	5.8	7.0	1.1	20
			112GLCLU	85-07-17	36	--	5.8	14.0	--	20
			112GLCLU	85-08-12	36	400	5.4	8.0	1.6	31
			112GLCLU	85-09-24	36	300	5.2	9.0	1.2	20
404302073185502		S 43822	112GLCLU	84-10-02	74	98	5.9	13.0	2.6	8.5
			112GLCLU	84-12-05	74	75	5.8	13.0	1.9	--
			112GLCLU	85-02-07	74	190	--	13.0	2.1	--
			112GLCLU	85-05-30	74	140	6.6	10	3.8	--
			112GLCLU	85-06-26	74	125	5.9	8.0	2.1	14
			112GLCLU	85-08-12	74	115	6.1	7.0	3.6	10
404503073010801		S 44466	112GLCLU	85-03-28	20	300	6.3	11.0	11.7	--

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)
84-10-21	4.2	66	4.2	43	16	12	0.11	0.002	--	--	6500	2800
84-11-01	--	27	--	59	23	41	0.90	--	--	<100	3400	1600
85-02-07	--	48	--	--	18	60	3.2	--	--	<100	4300	930
85-04-22	3.5	4.1	5.5	57	19	51	6.3	0.018	--	--	2300	2000
85-05-30	--	48	--	61	22	78	3.2	--	--	<100	4200	1900
85-06-26	0.80	31	4.7	74	18	46	2.1	0.019	--	--	6000	1200
85-07-17	3.7	40	5.0	58	17	70	<0.050	<0.001	--	--	6000	2000
85-08-12	5.5	68	6.0	95	14	110	0.18	0.003	--	--	8000	4000
85-09-24	4.0	43	4.3	77	16	51	0.37	0.002	--	--	7000	1700
84-10-02	1.6	8.0	2.0	31	8.9	9.8	0.46	0.010	--	--	7000	200
84-12-05	--	7.1	--	23	4.0	8.0	0.70	--	--	<100	5200	160
85-02-07	--	22	--	--	17	36	0.30	--	--	<100	3100	260
85-05-30	--	9.6	--	80	9.0	12	0.30	--	--	<100	3700	290
85-06-26	2.7	8.0	4.1	51	7.9	10	0.44	0.013	--	--	7000	400
85-08-12	2.0	8.0	2.3	46	6.4	9.9	0.11	0.005	--	--	8500	400
85-03-28	--	30	--	128	9.0	42	<0.20	--	--	<100	11000	550

DATE OF SAMPLE	ZINC, DIS- SOLVED (UG/L AS ZN)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)
84-10-21	--	--
84-11-01	<400	<0.10
85-02-07	<400	<0.10
85-04-22	--	--
85-05-30	<400	<0.10
85-06-26	--	--
85-07-17	--	--
85-08-12	--	--
85-09-24	--	--
84-10-02	--	--
84-12-05	<400	0.10
85-02-07	<400	<0.10
85-05-30	<400	0.10
85-06-26	--	--
85-08-12	--	--
85-03-28	<400	<0.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)		
405254073214201		S 44914	112GLCLU	84-10-29	25	91	5.1	12.0	9.1	7.6		
			112GLCLU	84-11-07	25	99	4.9	12.0	10.4	8.6		
			112GLCLU	84-11-15	25	110	5.1	11.0	9.8	--		
			112GLCLU	84-12-06	25	120	5.9	12.0	6.7	--		
			112GLCLU	85-01-15	25	105	--	9.0	8.0	--		
			112GLCLU	85-01-23	25	105	--	10	9.7	8.5		
			112GLCLU	85-01-30	25	106	--	9.0	10.4	8.0		
			112GLCLU	85-02-27	25	110	5.3	7.0	9.6	--		
			112GLCLU	85-03-12	25	105	5.2	8.0	9.0	11		
			112GLCLU	85-04-25	25	100	4.9	6.0	9.2	--		
			112GLCLU	85-06-12	25	95	5.4	7.0	9.6	8.0		
			112GLCLU	85-08-05	25	100	4.7	14.0	9.0	7.0		
			112GLCLU	85-08-13	25	95	4.7	8.0	7.4	7.0		
			112GLCLU	85-09-16	25	100	4.5	8.0	8.3	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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (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, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	MANGANESE, DIS-SOLVED (UG/L AS MN)
84-10-29	3.4	10	1.6	3	11	16	4.3	0.002	--	--	<50	30
84-11-07	0.40	12	1.7	3	12	17	4.6	0.002	--	--	<50	<20
84-11-15	--	9.8	--	5	12	15	4.7	--	--	<100	<100	<50
84-12-06	--	10	--	8	4.0	6.0	4.8	--	--	<100	120	<50
85-01-15	--	9.0	--	--	10	15	4.5	--	--	<100	100	<50
85-01-23	3.6	10	1.7	--	11	16	4.6	0.004	--	--	100	60
85-01-30	3.5	11	1.6	--	12	17	4.5	0.004	--	--	100	30
85-02-27	--	9.3	--	5	10	16	4.6	--	--	<100	<100	<50
85-03-12	3.4	10	1.7	5	12	17	4.6	0.002	--	--	200	<20
85-04-25	--	9.7	--	4	13	13	4.2	--	--	<100	<100	<50
85-06-12	3.0	10	1.6	5	12	15	3.3	0.002	--	--	200	<20
85-08-05	2.9	10	1.6	2	12	14	2.7	<0.001	--	--	<50	<20
85-08-13	3.0	10	1.5	1	12	14	2.7	0.001	--	--	100	30
85-09-16	3.0	9.5	1.6	--	15	15	2.5	0.003	--	--	100	<20
DATE OF SAMPLE	ZINC, DIS-SOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)										
84-10-29	--	--										
84-11-07	--	--										
84-11-15	<400	<0.10										
84-12-06	<400	<0.10										
85-01-15	<400	<0.10										
85-01-23	--	--										
85-01-30	--	--										
85-02-27	<400	<0.10										
85-03-12	--	--										
85-04-25	<400	<0.10										
85-06-12	--	--										
85-08-05	--	--										
85-08-13	--	--										
85-09-16	--	--										

QUALITY OF GROUND WATER

263

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

SUFFOLK COUNTY--Continued

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

STATION NUMBER		LOCAL IDENTIFIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)		
404812073041201		S 44918	112GLCLU	85-01-10	85	150	--	11.0	10.0	--		
			112GLCLU	85-02-21	85	105	5.5	7.0	12.8	--		
			112GLCLU	85-05-07	85	140	4.7	8.0	10.6	3.0		
			112GLCLU	85-06-06	85	140	5.1	8.0	11.2	--		
			112GLCLU	85-08-07	85	135	4.8	12.0	8.4	7.5		
			112GLCLU	85-08-19	85	140	4.9	7.0	9.5	7.9		
405330073242401		S 45053	112GLCLU	85-09-30	85	155	4.8	6.0	7.4	--		
			112GLCLU	84-10-11	125	180	5.8	12.0	8.4	--		
			112GLCLU	84-11-14	125	170	5.0	12.0	8.8	--		
			112GLCLU	85-02-25	125	175	5.9	11.0	8.2	12		
			112GLCLU	85-04-24	125	150	5.5	10	8.8	16		
			112GLCLU	85-06-10	125	165	5.7	7.0	9.2	16		
			112GLCLU	85-08-08	125	175	5.3	8.0	9.1	--		
			112GLCLU	85-09-12	125	175	5.1	6.0	8.6	--		
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 FIELD (MG/L AS CAC03)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (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, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	MANGANESE, DIS-SOLVED (UG/L AS MN)
85-01-10	--	25	--	--	25	25	0.70	--	--	<100	360	50
85-02-21	--	12	--	6	10	17	0.60	--	--	<100	440	110
85-05-07	1.6	25	1.2	4	18	30	0.76	0.001	--	--	400	30
85-06-06	--	24	--	8	16	32	0.80	--	--	<100	280	50
85-08-07	1.4	23	1.2	3	20	25	1.2	0.002	--	--	200	50
85-08-19	1.0	20	1.0	6	20	24	1.1	0.002	--	--	300	<20
85-09-30	--	20	--	5	32	21	1.7	--	--	<100	420	<50
84-10-11	--	13	--	26	19	20	6.6	--	--	<100	200	<50
84-11-14	--	13	--	24	20	21	7.1	--	--	<100	180	<50
85-02-25	7.5	15	2.0	27	20	23	6.4	0.004	--	--	300	<20
85-04-24	7.0	15	1.9	25	20	23	6.1	0.004	--	--	200	60
85-06-10	7.0	16	2.0	26	19	21	5.9	0.004	--	--	300	60
85-08-08	--	13	--	23	21	19	6.3	--	0.250	<100	<100	<50
85-09-12	--	14	--	21	19	16	5.9	--	--	<100	160	<50
						ZINC, DIS-SOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)					
						85-01-10	<400	<0.10				
						85-02-21	<400	<0.10				
						85-05-07	--	--				
						85-06-06	<400	<0.10				
						85-08-07	--	--				
						85-08-19	--	--				
						85-09-30	<400	<0.10				

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)			
405132073181401	S 45207	112GLCLU	84-10-29	146	123	5.2	12.5	9.1	15			
		112GLCLU	84-11-07	146	129	5.3	12.0	9.4	38			
		112GLCLU	84-11-19	146	145	5.1	12.0	9.1	--			
		112GLCLU	85-01-15	146	140	--	12.0	7.5	--			
		112GLCLU	85-02-27	146	150	5.4	--	--	--			
		112GLCLU	85-04-25	146	145	5.1	10	9.0	--			
		112GLCLU	85-06-12	146	160	5.8	8.0	9.4	16			
		112GLCLU	85-08-05	146	171	5.2	13.0	8.0	16			
		112GLCLU	85-08-13	146	175	4.7	8.0	6.3	17			
		112GLCLU	85-09-17	146	175	4.7	7.0	8.9	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 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)
84-10-29	3.8	12	2.5	9	24	14	6.6	0.002	--	--	100	40
84-11-07	4.0	13	3.1	10	25	15	6.6	0.002	--	--	300	80
84-11-19	--	--	2.7	11	--	15	6.6	0.002	--	--	200	60
85-01-15	--	10	--	--	23	14	6.8	--	--	<100	440	<50
85-02-27	--	14	--	11	24	14	7.1	--	--	<100	230	<50
85-04-25	--	13	--	10	25	13	7.7	--	--	<100	440	<50
85-06-12	4.0	16	2.8	13	26	17	7.8	0.003	--	--	500	<20
85-08-05	4.2	17	2.8	9	23	16	7.7	0.001	--	--	100	40
85-08-13	4.0	16	2.8	6	25	16	8.2	0.003	--	--	200	60
85-09-17	4.1	15	2.8	5	27	17	8.0	0.005	--	--	200	30
DATE OF SAMPLE					ZINC, DISSOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)						
					84-10-29	--						
					84-11-07	--						
					84-11-19	--						
					85-01-15	<400						
					85-02-27	<400						
					85-04-25	<400						
					85-06-12	--						
					85-08-05	--						
					85-08-13	--						
					85-09-17	--						

QUALITY OF GROUND WATER

265

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)		
405005073233701		S 45208	112GLCLU	84-11-15	137	270	5.0	13.0	5.7	--		
			112GLCLU	85-01-14	137	240	--	12.0	5.4	--		
			112GLCLU	85-02-25	137	250	5.2	12.0	6.5	18		
			112GLCLU	85-04-24	137	230	4.8	11.0	6.0	26		
			112GLCLU	85-08-05	137	245	4.9	13.0	4.6	24		
			112GLCLU	85-08-12	137	230	4.4	6.0	1.4	22		
			112GLCLU	85-09-17	137	230	4.4	7.0	6.4	22		
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 CAC03)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (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, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	MANGANESE, DIS-SOLVED (UG/L AS MN)
84-11-15	--	29	--	6	46	22	18	--	--	<100	290	100
85-01-14	--	--	3.3	--	--	24	19	0.018	--	--	600	180
85-02-25	9.0	28	3.3	23	37	22	19	0.011	--	--	700	200
85-04-24	8.0	26	3.2	13	35	23	19	0.010	--	--	600	180
85-08-05	7.5	24	3.0	14	34	18	15	0.003	--	--	200	170
85-08-12	7.0	24	2.8	--	35	18	--	0.008	--	--	300	210
85-09-17	7.0	22	2.8	--	39	20	12	0.003	--	--	200	120
						METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)						
DATE OF SAMPLE						ZINC, DIS-SOLVED (UG/L AS ZN)						
84-11-15						<400	<0.10					
85-01-14						--						
85-02-25						--						
85-04-24						--						
85-08-05						--						
85-08-12						--						
85-09-17						--						

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

SUFFOLK COUNTY--Continued

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

STATION NUMBER		LOCAL IDENTIFIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)		
404945073174501		S 45210	112GLCLU	84-10-25	109	179	6.2	13.0	10.2	--		
			112GLCLU	84-11-07	109	189	5.8	12.0	10.8	2.9		
			112GLCLU	84-11-19	109	125	5.8	13.0	10.8	--		
			112GLCLU	85-01-23	109	213	--	12.5	10.4	24		
			112GLCLU	85-03-11	109	220	6.3	13.0	10.5	24		
			112GLCLU	85-04-29	109	190	5.8	11.0	11.2	24		
			112GLCLU	85-06-24	109	195	5.4	7.0	11.6	27		
			112GLCLU	85-08-13	109	210	5.4	8.0	5.6	26		
			112GLCLU	85-08-14	109	221	5.6	13.0	9.6	22		
			112GLCLU	85-09-17	109	220	4.9	7.0	7.8	25		
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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (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, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	MANGANESE, DIS-SOLVED (UG/L AS MN)
84-10-25	--	13	--	24	44	11	12	--	--	<100	140	<50
84-11-07	9.0	14	1.8	25	46	12	12	0.007	--	--	100	<20
84-11-19	--	--	1.8	28	--	11	11	0.031	--	--	100	<20
85-01-23	9.0	12	1.8	--	41	11	11	0.001	--	--	<50	30
85-03-11	9.0	12	1.9	26	39	12	11	0.001	--	--	100	<20
85-04-29	9.5	14	1.8	23	41	12	11	0.005	--	--	200	50
85-06-24	9.5	14	2.0	23	39	11	11	0.001	--	--	<50	50
85-08-13	10	12	1.7	23	38	11	11	0.004	--	--	200	<20
85-08-14	8.5	13	1.6	23	39	11	12	0.002	--	--	100	<20
85-09-17	9.0	12	1.8	12	41	12	12	0.008	--	--	300	<20
DATE OF SAMPLE						ZINC, DIS-SOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)					
						84-10-25	<400	<0.10				
						84-11-07	--	--				
						84-11-19	--	--				
						85-01-23	--	--				
						85-03-11	--	--				
						85-04-29	--	--				
						85-06-24	--	--				
						85-08-13	--	--				
						85-08-14	--	--				
						85-09-17	--	--				

QUALITY OF GROUND WATER

267

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)		
405356073192001		S 45212	112GLCLU	84-11-15	114	180	5.3	11.0	9.6	--		
			112GLCLU	85-01-15	114	180	--	11.0	9.0	--		
			112GLCLU	85-02-21	114	190	5.2	11.0	9.2	--		
			112GLCLU	85-04-25	114	175	5.2	10	9.7	--		
			112GLCLU	85-06-12	114	200	5.5	7.0	10	19		
			112GLCLU	85-08-06	114	191	5.4	12.0	8.6	18		
			112GLCLU	85-08-12	114	210	4.8	7.0	5.2	18		
			112GLCLU	85-09-16	114	210	5.0	8.0	9.7	18		
405341073003201		S 45346	112GLCLU	85-04-08	87	215	--	14.0	5.1	15		
405259073162201		S 45402	112GLCLU	84-11-19	170	175	5.6	11.0	8.7	--		
			112GLCLU	85-03-07	170	165	4.8	12.0	9.9	--		
			112GLCLU	85-05-06	170	150	5.6	9.0	8.9	9.0		
			112GLCLU	85-08-21	170	155	5.1	7.0	9.2	11		
DATE OF SAMPLE	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CAC03)	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)
84-11-15	--	17	--	10	24	20	8.6	--	--	<100	250	<50
85-01-15	--	15	--	--	23	20	9.4	--	--	<100	310	<50
85-02-21	--	19	--	16	24	22	9.3	--	--	<100	230	<50
85-04-25	--	21	--	17	24	20	10	--	--	<100	400	<50
85-06-12	7.0	23	2.4	21	26	25	10	0.003	--	--	700	<20
85-08-06	7.0	23	2.5	18	26	24	10	0.002	--	--	100	60
85-08-12	7.0	22	2.4	14	26	24	9.6	0.002	--	--	100	50
85-09-16	6.5	20	2.4	15	28	24	9.9	0.004	--	--	<50	<20
85-04-08	3.4	33	12	87	12	20	<0.20	0.008	--	--	200	60
84-11-19	--	--	2.4	15	--	26	4.3	0.003	--	--	200	<20
85-03-07	--	25	--	9	23	24	7.9	--	--	<100	200	<50
85-05-06	2.8	24	2.2	14	23	23	3.4	0.003	--	--	400	<20
85-08-21	3.0	19	1.8	12	20	18	3.9	0.003	--	--	300	<20
					DATE OF SAMPLE	ZINC, DIS- SOLVED (UG/L AS ZN)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)					
					84-11-15	<400	<0.10					
					85-01-15	<400	<0.10					
					85-02-21	<400	<0.10					
					85-04-25	<400	<0.10					
					85-06-12	--	--					
					85-08-06	--	--					
					85-08-12	--	--					
					85-09-16	--	--					
					85-04-08	--	--					
					84-11-19	--	--					
					85-03-07	<400	<0.10					
					85-05-06	--	--					
					85-08-21	--	--					

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

SUFFOLK COUNTY--Continued

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

STATION NUMBER		LOCAL IDENTIFIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)		
404400073154402		S 45446	112GLCLU	84-10-09	41	235	4.5	14.0	2.9	18		
			112GLCLU	84-11-01	41	250	4.1	14.0	1.2	--		
			112GLCLU	84-11-29	41	265	4.1	13.0	1.5	--		
			112GLCLU	85-01-08	41	180	--	15.0	--	--		
			112GLCLU	85-02-19	41	215	4.1	14.0	1.5	--		
			112GLCLU	85-03-06	41	230	--	15.0	1.5	16		
			112GLCLU	85-04-29	41	180	4.0	12.0	1.9	15		
			112GLCLU	85-05-29	41	180	4.5	8.0	1.3	16		
			112GLCLU	85-08-14	41	205	4.2	9.0	2.1	20		
			112GLCLU	85-09-24	41	210	--	8.0	1.4	18		
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 CAC03)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (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, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	MANGANESE, DIS-SOLVED (UG/L AS MN)
84-10-09	3.0	22	4.3	--	25	36	14	0.006	--	--	400	1800
84-11-01	--	20	--	--	21	57	10	--	--	<100	240	1200
84-11-29	--	20	--	--	22	58	10	--	--	<100	460	970
85-01-08	--	3.1	--	--	23	34	10	--	--	<100	200	960
85-02-19	--	28	--	--	22	36	10	--	--	<100	180	980
85-03-06	2.3	25	4.7	--	27	36	10	0.004	--	--	400	1100
85-04-29	2.4	22	4.0	--	28	25	10	0.006	--	--	400	890
85-05-29	2.6	21	3.5	--	27	25	11	0.008	--	--	900	900
85-08-14	3.5	22	3.1	--	30	27	12	0.009	--	--	1000	800
85-09-24	3.0	21	3.1	--	31	28	11	0.002	--	--	200	730
						ZINC, DIS-SOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)					
						84-10-09	--	--				
						84-11-01	<400	<0.10				
						84-11-29	<400	<0.10				
						85-01-08	<400	<0.10				
						85-02-19	<400	<0.10				
						85-03-06	--	--				
						85-04-29	--	--				
						85-05-29	--	--				
						85-08-14	--	--				
						85-09-24	--	--				

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)		
404508073080902		S 45636	112GLCLU	84-10-03	29	130	4.6	12.0	3.8	10		
			112GLCLU	84-10-10	29	140	4.8	12.0	3.5	9.5		
			112GLCLU	84-11-07	29	145	4.5	12.0	4.2	--		
			112GLCLU	85-01-08	29	135	--	11.0	5.0	--		
			112GLCLU	85-02-26	29	91	--	10	7.4	--		
			112GLCLU	85-05-01	29	140	4.4	8.0	5.2	9.5		
			112GLCLU	85-06-11	29	135	4.7	6.0	4.9	10		
			112GLCLU	85-08-01	29	140	4.2	12.0	5.1	10		
			112GLCLU	85-08-20	29	165	4.4	7.0	4.3	9.0		
404508073080901		S 45637	112GLCLU	84-10-03	82	78	6.4	11.0	6.8	7.8		
			112GLCLU	84-10-10	82	80	6.1	11.0	5.9	8.0		
			112GLCLU	84-11-07	82	80	5.0	11.0	6.0	--		
			112GLCLU	85-01-02	82	80	--	10	6.0	--		
			112GLCLU	85-02-26	82	135	--	10	5.3	--		
			112GLCLU	85-06-11	82	85	6.4	6.0	5.1	7.8		
			112GLCLU	85-08-20	82	75	6.9	6.0	7.7	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 FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (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, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	MANGANESE, DIS-SOLVED (UG/L AS MN)
84-10-03	2.5	13	3.1	1	18	17	6.4	0.002	--	--	100	200
84-10-10	0.70	14	3.3	3	9.0	17	6.8	0.004	--	--	200	190
84-11-07	--	16	--	--	16	16	7.8	--	--	<100	<100	210
85-01-08	--	15	--	--	19	17	6.7	--	--	<100	100	220
85-02-26	--	--	--	--	4.0	--	3.6	--	--	<100	<100	<50
85-05-01	0.50	18	3.8	--	20	17	6.3	0.004	--	--	100	260
85-06-11	2.7	18	4.0	2	20	17	6.6	0.006	--	--	200	210
85-08-01	2.7	20	4.3	--	21	18	6.8	0.001	0.001	--	<50	230
85-08-20	2.5	19	4.3	--	20	19	8.0	0.002	--	--	200	220
84-10-03	3.7	4.8	0.50	27	2.2	6.6	2.0	0.002	--	--	<50	<20
84-10-10	3.9	4.9	0.60	1	2.8	6.9	2.1	0.002	--	--	200	<20
84-11-07	--	5.1	--	26	<4.0	6.0	2.3	--	--	<100	<100	<50
85-01-02	--	4.9	--	--	4.0	7.0	2.5	--	--	<100	<100	<50
85-02-26	--	--	--	--	5.0	--	6.9	--	--	<100	<100	220
85-06-11	4.0	4.8	0.70	25	2.2	7.0	2.6	0.002	--	--	200	<200
85-08-20	3.3	4.0	0.58	24	2.5	6.2	1.4	0.002	--	--	300	<50
DATE OF SAMPLE						ZINC, DIS-SOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)					
84-10-03						--	--					
84-10-10						--	--					
84-11-07						<400	<0.10					
85-01-08						<400	<0.10					
85-02-26						<400	<0.10					
85-05-01						--	--					
85-06-11						--	--					
85-08-01						--	--					
85-08-20						--	--					
84-10-03						--	--					
84-10-10						--	--					
84-11-07						<400	<0.10					
85-01-02						<400	<0.10					
85-02-26						<400	<0.10					
85-06-11						--	--					
85-08-20						--	--					

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

SUFFOLK COUNTY--Continued

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

STATION NUMBER		LOCAL IDENTIFIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)			
404618073164501		S 45717	112GLCLU	84-10-09	75	46	5.1	11.0	10.5	1.7			
			112GLCLU	84-10-31	75	45	5.5	11.0	10.5	--			
			112GLCLU	85-01-08	75	35	--	10.0	10.0	--			
			112GLCLU	85-02-20	75	55	5.2	10.0	10.4	--			
			112GLCLU	85-03-07	75	40	5.9	11.0	11.2	--			
			112GLCLU	85-04-29	75	35	5.1	9.0	12.4	1.7			
			112GLCLU	85-06-06	75	35	5.1	8.0	11.5	--			
			112GLCLU	85-06-27	75	32	5.0	5.0	12.0	--			
			112GLCLU	85-08-06	75	40	5.0	11.0	9.8	1.6			
			112GLCLU	85-08-14	75	37	4.8	6.0	10.6	1.6			
			112GLCLU	85-09-25	75	40	4.4	5.0	11.2	1.9			
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 FIELD (MG/L AS CAC03)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (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, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	MANGANESE, DIS-SOLVED (UG/L AS MN)	
84-10-09	1.8	3.8	0.60	2	10	4.8	0.34	0.002	--	--	200	<20	
84-10-31	--	3.2	--	1	9.0	5.0	0.40	--	--	<100	150	<50	
85-01-08	--	3.1	--	--	7.0	3.0	<0.20	--	--	<100	130	<50	
85-02-20	--	3.2	--	2	6.0	5.0	<0.20	--	--	<100	150	<50	
85-03-07	--	3.3	--	10	7.0	5.0	<0.20	--	--	<100	<100	<50	
85-04-29	1.4	3.3	0.60	1	9.6	4.3	0.17	0.001	--	--	300	30	
85-06-06	--	3.4	--	1	6.0	7.0	<0.20	--	--	<100	180	<50	
85-06-27	--	3.0	--	1	12	6.0	<0.20	--	--	<100	<100	<50	
85-08-06	1.4	3.3	0.60	1	8.3	4.3	0.30	0.002	--	--	200	40	
85-08-14	1.2	3.3	0.60	1	8.9	4.4	0.19	0.003	--	--	300	<20	
85-09-25	1.4	3.2	0.60	--	8.8	5.0	0.10	0.002	--	--	200	<20	
					ZINC, DIS-SOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)							
					84-10-09	--	--						
					84-10-31	<400	<0.10						
					85-01-08	<400	<0.10						
					85-02-20	<400	<0.10						
					85-03-07	<400	<0.10						
					85-04-29	--	--						
					85-06-06	<400	<0.10						
					85-06-27	<400	<0.10						
					85-08-06	--	--						
					85-08-14	--	--						
					85-09-25	--	--						

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)		
404635073101602		S 45718	112GLCLU	84-11-07	28	--	4.5	13.0	4.7	--		
			112GLCLU	85-01-02	28	185	--	12.0	3.0	--		
			112GLCLU	85-02-26	28	115	5.9	11.0	5.8	--		
			112GLCLU	85-05-10	28	185	4.0	9.0	5.8	14		
			112GLCLU	85-06-11	28	185	4.7	7.0	3.2	13		
			112GLCLU	85-08-01	28	183	4.2	13.0	4.1	14		
			112GLCLU	85-08-20	28	210	4.4	8.0	7.9	13		
404635073101601		S 45719	112GLCLU	84-11-07	82	135	5.7	12.0	5.9	--		
			112GLCLU	85-01-02	82	110	--	11.0	5.0	--		
			112GLCLU	85-02-26	82	185	4.8	10	3.0	--		
			112GLCLU	85-05-01	82	100	7.1	10	7.3	10		
			112GLCLU	85-06-11	82	110	5.9	7.0	6.4	11		
			112GLCLU	85-08-20	82	125	5.3	7.0	8.7	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 FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (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, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	MANGANESE, DIS-SOLVED (UG/L AS MN)
84-11-07	--	8.0	--	--	3.0	27	9.5	--	--	<100	<100	600
85-01-02	--	18	--	2	2.0	26	9.1	--	--	<100	<100	630
85-02-26	--	9.6	--	20	6.0	13	4.4	--	--	<100	330	<50
85-05-10	3.5	20	13	--	25	26	9.2	0.003	--	--	200	820
85-06-11	3.4	19	13	3	24	27	9.1	0.003	--	--	300	780
85-08-01	3.5	20	14	--	22	28	9.5	0.001	0.002	--	<50	840
85-08-20	3.6	20	15	--	23	30	11	0.001	--	--	100	780
84-11-07	--	9.6	--	22	10	12	4.8	--	--	<100	270	<50
85-01-02	--	9.2	--	--	8.0	12	4.3	--	--	<100	270	<50
85-02-26	--	19	--	2	21	28	9.2	--	--	<100	110	650
85-05-01	3.6	9.0	0.90	15	8.5	11	3.7	0.004	--	--	500	<20
85-06-11	4.0	9.5	1.0	16	9.5	13	4.0	0.003	--	--	200	<200
85-08-20	4.4	9.0	1.0	19	9.8	13	4.4	0.002	--	--	400	50
DATE OF SAMPLE	ZINC, DIS-SOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)										
84-11-07	<400	<0.10										
85-01-02	<400	<0.10										
85-02-26	<400	<0.10										
85-05-10	--	--										
85-06-11	--	--										
85-08-01	--	--										
85-08-20	--	--										
84-11-07	<400	<0.10										
85-01-02	<400	<0.10										
85-02-26	<400	<0.10										
85-05-01	--	--										
85-06-11	--	--										
85-08-20	--	--										

QUALITY OF GROUND WATER

273

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

SUFFOLK COUNTY--Continued

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

STATION	NUMBER	LOCAL IDENTIFIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)		
404716073131602		S 45720	112GLCLU	84-10-31	81	200	5.4	12.0	13.4	--		
			112GLCLU	85-01-09	81	165	--	12.0	11.0	--		
			112GLCLU	85-02-20	81	200	5.6	12.0	14.0	--		
			112GLCLU	85-04-30	81	180	5.3	10	15.4	16		
			112GLCLU	85-06-05	81	170	5.5	9.0	12.6	18		
			112GLCLU	85-08-14	81	190	5.1	9.0	8.8	16		
			112GLCLU	85-09-26	81	190	4.9	7.0	12.1	--		
404516073122802		S 45721	112GLCLU	84-12-04	36	--	5.0	13.0	1.7	--		
			112GLCLU	85-01-09	36	37	--	13.0	0.25	--		
			112GLCLU	85-02-20	36	225	4.9	13.0	0.25	--		
			112GLCLU	85-06-05	36	160	5.1	8.0	1.4	10		
			112GLCLU	85-08-14	36	178	4.8	13.0	0.50	9.5		
			112GLCLU	85-08-15	36	200	4.9	8.0	1.0	--		
			112GLCLU	85-09-25	36	200	4.0	7.0	0.15	12		
DATE OF SAMPLE	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (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)
84-10-31	--	8.7	--	12	29	16	5.2	--	--	<100	320	<50
85-01-09	--	18	--	--	21	14	9.0	--	--	<100	210	60
85-02-20	--	25	--	16	18	21	11	--	--	<100	330	50
85-04-30	6.0	20	4.0	13	22	20	13	0.004	--	--	400	<20
85-06-05	6.0	18	3.6	21	23	18	10	0.018	--	--	700	270
85-08-14	5.5	18	3.5	12	24	17	11	0.006	--	--	800	160
85-09-26	--	16	--	8	24	16	--	--	--	<100	390	90
84-12-04	--	18	--	15	29	260	3.2	--	--	<100	330	150
85-01-09	--	91	--	--	29	140	3.1	--	--	<100	260	120
85-02-20	--	40	--	9	29	56	1.9	--	--	<100	590	140
85-06-05	1.6	25	3.7	10	29	28	1.8	0.002	--	--	1500	380
85-08-14	6.5	22	4.3	8	22	21	8.7	0.002	--	--	600	100
85-08-15	--	30	--	9	27	34	1.4	--	--	<100	1000	350
85-09-25	2.1	28	3.6	--	25	46	1.5	0.003	--	--	800	520
DATE OF SAMPLE						ZINC, DIS-SOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)					
84-10-31						<400	<0.10					
85-01-09						<400	<0.10					
85-02-20						<400	<0.10					
85-04-30						--	--					
85-06-05						--	--					
85-08-14						--	--					
85-09-26						<400	<0.10					
84-12-04						<400	<0.10					
85-01-09						<400	<0.10					
85-02-20						<400	<0.10					
85-06-05						--	--					
85-08-14						--	--					
85-08-15						<400	<0.10					
85-09-25						--	--					

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

SUFFOLK COUNTY--Continued

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

STATION NUMBER		LOCAL IDENTIFIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)		
404516073122801		S 45722	112GLCLU	84-10-04	91	220	5.3	12.0	1.9	--		
			112GLCLU	85-01-04	91	190	--	12.0	--	--		
			112GLCLU	85-02-20	91	195	5.2	12.0	--	--		
			112GLCLU	85-04-30	91	185	5.0	10.0	0.15	9.0		
			112GLCLU	85-06-05	91	185	5.3	8.0	0.15	9.0		
			112GLCLU	85-08-15	91	210	4.8	7.0	0.70	--		
			112GLCLU	85-09-25	91	195	4.6	6.0	0.1	9.0		
405253072541901		S 45724	112GLCLU	85-04-04	52	330	5.7	13.0	0.35	--		
405213072580001		S 45838	112GLCLU	85-04-08	56	260	--	16.0	4.3	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)
84-10-04	--	26	--	14	23	30	10	--	--	<100	590	110
85-01-04	--	26	--	--	7.0	20	10	--	--	<100	470	60
85-02-20	--	25	--	15	25	21	10	--	--	<100	470	80
85-04-30	6.0	26	4.2	16	26	21	10	0.005	--	--	600	80
85-06-05	6.0	24	4.4	16	24	21	9.3	0.002	--	--	600	140
85-08-15	--	22	--	11	23	20	9.2	--	--	<100	490	60
85-09-25	6.5	20	4.3	11	23	23	8.8	0.004	--	--	500	80
85-04-04	--	52	--	110	8.0	44	<0.20	--	--	<100	940	1500
85-04-08	2.0	57	14	123	17	28	<0.20	0.006	--	<100	2200	100
DATE OF SAMPLE						ZINC, DISSOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)					
						84-10-04	<400	<0.10				
						85-01-04	<400	<0.10				
						85-02-20	<400	<0.10				
						85-04-30	--	--				
						85-06-05	--	--				
						85-08-15	<400	<0.10				
						85-09-25	--	--				
						85-04-04	<400	0.30				
						85-04-08	<400	--				

QUALITY OF GROUND WATER

275

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)		
405231073250500		S 46281	112GLCLU	84-11-14	51	200	5.8	10	7.7	--		
			112GLCLU	84-12-06	51	210	6.0	11.0	7.0	--		
			112GLCLU	85-01-14	51	195	--	11.0	6.8	--		
			112GLCLU	85-02-25	51	200	6.2	11.0	7.5	16		
			112GLCLU	85-04-24	51	185	5.8	9.0	9.5	25		
			112GLCLU	85-06-10	51	200	6.0	7.0	8.0	25		
			112GLCLU	85-08-08	51	230	5.9	7.0	6.3	--		
			112GLCLU	85-09-16	51	220	5.2	5.0	3.5	25		
404848073073401		S 46284	112GLCLU	84-10-31	108	290	4.9	12.0	8.3	--		
			112GLCLU	85-01-10	108	213	--	12.0	8.0	--		
			112GLCLU	85-02-21	108	225	4.9	12.0	7.8	--		
			112GLCLU	85-03-11	108	240	4.5	12.0	8.8	17		
			112GLCLU	85-04-30	108	210	4.8	10	9.4	18		
			112GLCLU	85-06-05	108	225	5.1	6.0	9.6	18		
			112GLCLU	85-08-15	108	240	4.5	8.0	--	--		
			112GLCLU	85-09-30	108	290	4.0	7.0	7.7	--		
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 FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (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, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	MANGANESE, DIS-SOLVED (UG/L AS MN)
84-11-14	--	2.2	--	46	20	17	9.3	--	--	<100	160	<50
84-12-06	--	13	--	55	21	16	9.2	--	--	<100	120	<50
85-01-14	--	--	2.2	--	--	18	9.5	0.005	--	--	300	<20
85-02-25	9.5	15	2.2	48	20	18	9.6	0.002	--	--	200	<20
85-04-24	9.0	14	2.1	46	23	18	10	0.004	--	--	400	50
85-06-10	9.0	14	2.1	49	19	17	10	0.002	--	--	300	<20
85-08-08	--	13	--	46	22	16	9.7	--	--	<100	200	<50
85-09-16	9.0	13	2.1	13	23	18	9.0	0.004	--	--	100	<20
84-10-31	--	24	--	0.1	27	30	12	--	--	<100	170	240
85-01-10	--	26	--	--	24	30	12	--	--	<100	290	280
85-02-21	--	6.9	--	8	21	30	12	--	--	<100	290	280
85-03-11	6.5	26	5.5	--	24	34	13	0.017	--	--	200	360
85-04-30	6.5	26	5.5	10	23	34	13	0.003	--	--	300	320
85-06-05	7.0	26	7.0	1	21	36	13	0.005	--	--	500	410
85-08-15	--	25	--	--	25	35	12	--	--	<100	190	260
85-09-30	--	29	--	--	27	32	14	--	--	<100	420	230
DATE OF SAMPLE					ZINC, DIS-SOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)						
84-11-14					<400	<0.10						
84-12-06					<400	<0.10						
85-01-14					--	--						
85-02-25					--	--						
85-04-24					--	--						
85-06-10					--	--						
85-08-08					<400	<0.10						
85-09-16					--	--						
84-10-31					<400	<0.10						
85-01-10					<400	<0.10						
85-02-21					<400	<0.10						
85-03-11					--	--						
85-04-30					--	--						
85-06-05					--	--						
85-08-15					<400	<0.10						
85-09-30					<400	<0.10						

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

SUFFOLK COUNTY--Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)			
404836073110901	S 46286	112GLCLU	84-10-31	107	250	5.4	14.0	6.5	--			
		112GLCLU	85-05-02	107	260	5.5	12.0	7.3	--			
		112GLCLU	85-08-19	107	280	5.4	10	7.0	5.0			
		112GLCLU	85-09-30	107	260	5.6	8.0	6.5	--			
404400073154401	S 46287	112GLCLU	84-10-09	88	220	5.3	12.0	2.3	15			
		112GLCLU	84-11-01	88	210	5.3	13.0	0.60	--			
		112GLCLU	84-11-29	88	110	5.3	12.0	0.95	--			
		112GLCLU	85-01-08	88	190	--	13.0	0.05	--			
		112GLCLU	85-02-19	88	195	5.2	12.0	0.20	--			
		112GLCLU	85-03-06	88	210	5.0	13.0	0.55	13			
		112GLCLU	85-04-29	88	175	5.3	11.0	0.60	13			
		112GLCLU	85-05-29	88	185	5.2	6.0	2.4	13			
		112GLCLU	85-06-27	88	70	5.3	6.0	--	--			
		112GLCLU	85-08-14	88	200	4.9	7.0	0.60	16			
		112GLCLU	85-09-24	88	195	4.8	8.0	0.35	12			
404852073044101	S 46445	112GLCLU	85-04-09	68	420	6.6	5.0	4.3	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 FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	NITROGEN, NITRATE (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	MANGANESE, DIS-SOLVED (UG/L AS MN)
84-10-31	--	52	--	42	33	36	4.4	--	--	<100	900	110
85-05-02	--	71	--	63	26	45	5.7	--	--	<100	290	<50
85-08-19	1.0	50	2.8	55	25	34	4.6	0.004	--	--	1300	70
85-09-30	--	62	--	57	30	31	4.5	--	--	<100	1200	70
84-10-09	6.5	27	1.7	16	12	38	11	0.005	--	--	800	80
84-11-01	--	6.9	--	15	13	39	11	--	--	<100	660	<50
84-11-29	--	26	--	21	10	35	9.9	--	--	<100	840	110
85-01-08	--	25	--	--	10	32	11	--	--	<100	840	70
85-02-19	--	26	--	16	9.0	30	10	--	--	<100	920	100
85-03-06	6.0	24	1.9	10	12	32	10	0.004	--	--	1000	100
85-04-29	6.0	26	1.8	16	20	30	12	0.007	--	--	1100	60
85-05-29	6.0	25	1.7	20	11	29	10	0.005	--	--	1000	160
85-06-27	--	22	--	17	15	28	9.9	--	--	<100	880	<50
85-08-14	5.5	24	1.6	20	9.2	27	9.5	0.006	--	--	1200	110
85-09-24	5.5	24	1.6	19	9.8	28	9.9	0.005	--	--	1200	120
85-04-09	3.9	57	14	258	2.6	48	0.20	0.013	--	--	10000	360
DATE OF SAMPLE	ZINC, DIS-SOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)										
84-10-31	<400	<0.10										
85-05-02	<400	<0.10										
85-08-19	--	--										
85-09-30	<400	<0.10										
84-10-09	--	--										
84-11-01	<400	<0.10										
84-11-29	<400	<0.10										
85-01-08	<400	<0.10										
85-02-19	<400	<0.10										
85-03-06	--	--										
85-04-29	--	--										
85-05-29	--	--										
85-06-27	<400	<0.10										
85-08-14	--	--										
85-09-24	--	--										
85-04-09	--	--										

QUALITY OF GROUND WATER

277

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)		
404606073050002		S 46502	112GLCLU	84-12-03	43	125	5.5	13.0	2.7	--		
			112GLCLU	85-01-10	43	120	--	13.0	8.0	--		
			112GLCLU	85-02-21	43	130	5.2	12.0	4.2	--		
			112GLCLU	85-05-20	43	125	5.1	10	2.2	--		
			112GLCLU	85-06-06	43	145	5.4	9.0	3.6	--		
			112GLCLU	85-08-19	43	175	5.0	7.0	7.0	12		
			112GLCLU	85-09-26	43	140	4.8	6.0	2.8	--		
404920072484502		S 46911	112GLCLU	85-01-29	34	41	--	12.0	8.0	--		
			112GLCLU	85-03-26	34	50	5.3	9.0	9.2	2.7		
			112GLCLU	85-08-19	34	71	4.6	13.0	6.8	3.5		
			112GLCLU	85-08-22	34	60	4.8	9.0	8.5	4.0		
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 CAC03)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (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, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	MANGANESE, DIS-SOLVED (UG/L AS MN)
84-12-03	--	--	1.6	21	--	16	1.6	0.031	--	--	2800	60
85-01-10	--	13	--	--	14	18	2.0	--	--	<100	260	<50
85-02-21	--	14	--	16	16	16	1.6	--	--	<100	610	50
85-05-20	--	14	--	2	14	22	1.2	--	--	<100	250	<50
85-06-06	--	16	--	16	15	34	1.6	--	--	<100	200	<50
85-08-19	2.0	20	1.7	14	16	36	1.6	0.002	--	--	100	<200
85-09-26	--	17	--	15	16	24	2.1	--	--	<100	150	<50
85-01-29	--	7.1	--	--	<4.0	10	5.5	--	--	--	<100	<50
85-03-26	0.70	6.6	1.0	4	4.0	9.4	0.32	0.002	--	--	<50	<20
85-08-19	0.50	9.0	1.3	1	4.3	13	0.25	0.001	--	--	80	<20
85-08-22	1.1	7.2	1.3	3	3.9	12	0.33	0.001	--	--	100	50
DATE OF SAMPLE	ZINC, DIS-SOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)										
84-12-03	--	--										
85-01-10	<400	<0.10										
85-02-21	<400	<0.10										
85-05-20	--	<0.10										
85-06-06	<400	<0.10										
85-08-19	--	--										
85-09-26	<400	<0.10										
85-01-29	--	<0.10										
85-03-26	--	--										
85-08-19	--	--										
85-08-22	--	--										

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)		
404919072484501		S 46912	112GLCLU	84-10-16	32	155	4.9	13.0	9.2	1.5		
			112GLCLU	85-01-29	32	225	—	12.0	8.0	—		
			112GLCLU	85-03-26	32	230	4.7	10	8.9	10		
			112GLCLU	85-05-21	32	185	4.8	8.0	10.4	9.0		
			112GLCLU	85-08-19	32	164	4.7	13.0	6.4	6.6		
			112GLCLU	85-08-27	32	175	4.8	8.0	8.9	8.5		
404920072484602		S 46913	112GLCLU	84-10-16	20	140	5.7	14.0	9.1	7.5		
			112GLCLU	85-01-29	20	160	—	8.0	8.4	—		
			112GLCLU	85-03-26	20	175	6.4	5.0	9.9	2.7		
			112GLCLU	85-05-21	20	33	6.1	7.0	9.3	4.0		
			112GLCLU	85-07-30	20	39	5.1	20.0	6.2	0.80		
			112GLCLU	85-08-27	20	30	5.4	15.0	8.2	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 CAC03)	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)
84-10-16	7.5	24	0.90	—	10	39	0.86	0.002	—	—	300	60
85-01-29	—	48	—	—	11	73	2.2	—	—	<100	200	90
85-03-26	1.4	47	1.4	10	17	69	2.2	0.001	—	—	200	130
85-05-21	1.0	38	1.2	10	14	52	1.3	0.004	—	—	400	110
85-08-19	0.30	29	1.1	0.9	16	39	1.0	0.001	—	—	400	50
85-08-27	0.70	36	1.1	8	16	42	1.1	0.002	—	—	300	100
84-10-16	1.2	22	1.7	28	12	21	0.78	0.003	—	—	1000	540
85-01-29	—	25	—	—	6.0	43	1.0	—	—	<100	190	50
85-03-26	0.10	43	1.3	16	8.8	49	0.57	0.002	—	—	200	40
85-05-21	0.90	31	1.6	11	2.8	2.3	0.16	0.004	—	—	200	30
85-07-30	0.70	3.7	1.9	2	7.0	3.4	0.32	0.001	0.002	—	200	<20
85-08-27	0.50	2.5	1.6	6	4.6	1.0	0.30	0.002	—	—	200	60
DATE OF SAMPLE	ZINC, DIS- SOLVED (UG/L AS ZN)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)										
84-10-16	—	—										
85-01-29	<400	<0.10										
85-03-26	—	—										
85-05-21	—	—										
85-08-19	—	—										
85-08-27	—	—										
84-10-16	—	—										
85-01-29	<400	<0.10										
85-03-26	—	—										
85-05-21	—	—										
85-07-30	—	—										
85-08-27	—	—										

279

SUFFOLK COUNTY--Continued

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)			
404917072484501	S 46914	112GLCLU	84-10-16	22	111	5.1	16.0	8.0	0.90			
		112GLCLU	85-01-29	22	83	--	9.0	8.5	--			
		112GLCLU	85-03-26	22	120	5.7	5.0	9.6	3.4			
		112GLCLU	85-05-21	22	150	5.6	6.0	8.4	1.5			
		112GLCLU	85-08-14	22	175	5.0	16.0	6.0	4.6			
405254073214202	S 46962	112GLCLU	85-08-22	22	200	4.9	11.0	5.8	6.5			
		112GLCLU	84-11-15	65	122	5.8	10	7.5	--			
		112GLCLU	84-12-06	65	130	6.5	10	4.6	--			
		112GLCLU	85-01-15	65	120	--	10	6.0	--			
		112GLCLU	85-02-27	65	130	5.8	10	9.1	--			
		112GLCLU	85-03-12	65	120	5.9	10	7.9	12			
		112GLCLU	85-04-25	65	110	5.3	9.0	6.8	--			
		112GLCLU	85-06-12	65	140	5.7	6.0	7.7	14			
		112GLCLU	85-08-13	65	135	5.3	6.0	4.6	14			
		112GLCLU	85-09-16	65	130	5.1	5.0	6.8	12			
DATE OF SAMPLE	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY FIELD (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	NITROGEN, NITRATE (MG/L AS N)	NITROGEN, NITRITE (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	COPPER, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	MANGANESE, DIS-SOLVED (UG/L AS MN)
84-10-16	4.6	8.0	1.8	6	4.4	14	0.39	0.002	--	--	200	<20
85-01-29	--	12	--	--	<4.0	15	0.50	--	--	<100	470	<50
85-03-26	0.80	21	1.6	8	3.9	32	0.18	0.002	--	--	200	<20
85-05-21	0.10	7.5	0.80	6	4.1	47	0.48	0.002	--	--	200	30
85-08-14	1.2	31	2.1	11	6.3	50	1.2	0.001	--	--	500	<20
85-08-22	1.5	36	2.2	11	4.9	53	1.4	0.002	--	--	500	<20
84-11-15	--	9.3	--	21	14	11	4.2	--	--	<100	270	<50
84-12-06	--	9.8	--	29	12	12	3.8	--	--	<100	310	<50
85-01-15	--	5.1	--	--	13	12	4.1	--	--	<100	210	<50
85-02-27	--	9.0	--	20	13	14	4.2	--	--	<100	170	<50
85-03-12	4.3	10	1.4	16	14	14	4.2	0.004	--	--	200	<20
85-04-25	--	9.3	--	15	15	11	4.1	--	--	<100	270	<50
85-06-12	5.5	11	1.5	21	23	15	4.1	0.003	--	--	300	<20
85-08-13	5.5	10	1.4	20	20	14	4.2	0.001	--	--	200	<20
85-09-16	5.0	9.0	1.4	18	19	15	4.3	0.006	--	--	100	<20
DATE OF SAMPLE	ZINC, DIS-SOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)										
84-10-16	--	--										
85-01-29	<400	<0.10										
85-03-26	--	--										
85-05-21	--	--										
85-08-14	--	--										
85-08-22	--	--										
84-11-15	<400	<0.10										
84-12-06	<400	<0.10										
85-01-15	<400	<0.10										
85-02-27	<400	<0.10										
85-03-12	--	--										
85-04-25	<400	<0.10										
85-06-12	--	--										
85-08-13	--	--										
85-09-16	--	--										

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

SUFFOLK COUNTY--Continued

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

[illegible]

QUALITY OF GROUND WATER

281

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)		
404933073134201		S 47157	112GLCLU	84-10-11	25	1000	6.1	15.0	6.2	--		
			112GLCLU	85-04-02	25	1000	5.7	11.0	9.5	33		
404759073251600		S 47220	112GLCLU	84-11-13	92	20	5.1	10	11.0	--		
			112GLCLU	85-01-14	92	23	--	10	9.4	--		
			112GLCLU	85-02-25	92	20	5.1	10	11.0	0.70		
			112GLCLU	85-04-24	92	18	5.1	8.0	11.8	1.1		
			112GLCLU	85-06-10	92	20	5.2	6.0	12.6	0.70		
			112GLCLU	85-08-08	92	20	4.6	6.0	6.4	--		
			112GLCLU	85-09-17	92	23	4.4	7.0	11.2	0.50		
404200073163601		S 47222	112GLCLU	85-02-10	28	135	5.8	11.0	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 FIELD (MG/L AS CAC03)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (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, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	MANGANESE, DIS-SOLVED (UG/L AS MN)
84-10-11	--	450	--	69	28	720	5.5	--	--	<100	1700	1900
85-04-02	9.5	370	5.5	81	30	650	4.6	0.013	--	--	11000	2600
84-11-13	--	3.0	--	1	<4.0	5.0	0.40	--	--	<100	140	<50
85-01-14	--	--	0.70	--	--	6.3	0.55	0.004	--	--	200	40
85-02-25	0.50	3.6	0.60	1	0.80	5.9	0.12	0.001	--	--	100	40
85-04-24	0.40	3.4	0.50	0.7	2.5	5.5	0.21	0.004	--	--	100	50
85-06-10	0.40	3.5	0.50	2	1.0	5.1	0.24	0.002	--	--	200	<20
85-08-08	--	--	--	10	<4.0	5.0	<0.20	--	--	<100	--	<50
85-09-17	0.40	3.4	0.60	--	1.6	5.3	0.10	0.001	--	--	200	50
85-02-10	--	2.2	--	15	--	21	2.2	0.002	--	--	200	<20
						METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)						
DATE OF SAMPLE						ZINC, DIS-SOLVED (UG/L AS ZN)						
84-10-11						<400						
85-04-02						--						
84-11-13						<400						
85-01-14						--						
85-02-25						--						
85-04-24						--						
85-06-10						--						
85-08-08						--						
85-09-17						<0.10						
85-02-10						--						

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)		
404351073054101		S 47223	112GLCLU	84-10-30	30	145	5.1	13.0	2.7	--		
			112GLCLU	84-12-03	30	130	5.1	13.0	2.7	--		
			112GLCLU	85-01-09	30	140	--	12.0	0.95	--		
			112GLCLU	85-05-02	30	130	5.2	8.0	2.8	--		
			112GLCLU	85-06-24	30	122	5.3	5.0	2.3	14		
			112GLCLU	85-07-31	30	108	4.9	13.0	3.9	14		
			112GLCLU	85-08-15	30	125	5.1	7.0	5.6	--		
			112GLCLU	85-09-26	30	125	4.7	6.0	3.8	--		
404817072532500		S 47224	112GLCLU	84-10-18	33	44	4.8	11.0	5.0	--		
			112GLCLU	84-11-28	33	50	4.7	11.0	3.0	--		
			112GLCLU	85-01-28	33	51	--	10	2.7	--		
			112GLCLU	85-05-08	33	50	4.7	7.0	5.8	3.8		
			112GLCLU	85-07-30	33	46	4.5	10	3.7	3.3		
			112GLCLU	85-08-28	33	50	4.7	6.0	3.8	3.1		
			112GLCLU	85-08-29	33	155	4.6	6.0	0.65	--		
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)
84-10-30	--	12	--	11	19	37	3.3	--	--	<100	300	50
84-12-03	--	--	2.5	10	--	19	2.8	0.002	--	--	300	<20
85-01-09	--	15	--	--	21	22	3.1	--	--	<100	270	<50
85-05-02	--	11	--	11	8.0	18	2.3	--	0.280	<100	--	<50
85-06-24	2.1	12	1.9	11	21	19	2.1	<0.001	--	--	100	90
85-07-31	2.0	12	1.8	7	19	18	1.8	0.001	<0.001	--	200	40
85-08-15	--	11	--	10	20	16	2.2	--	--	<100	180	<50
85-09-26	--	10	--	4	22	16	2.2	--	--	<100	210	<50
84-10-18	--	4.4	--	4	9.0	6.0	0.90	--	--	<100	250	70
84-11-28	--	4.2	--	2	7.0	5.0	1.0	--	--	<100	560	80
85-01-28	--	--	1.9	--	--	6.8	1.2	0.003	--	--	400	100
85-05-08	1.3	4.7	1.8	2	6.7	7.2	1.2	0.003	--	--	500	110
85-07-30	1.1	5.3	2.0	--	7.2	8.3	0.55	<0.001	<0.001	--	600	100
85-08-28	1.7	5.4	0.80	1	7.2	8.4	0.64	0.003	--	--	500	80
85-08-29	--	14	--	6	24	11	6.8	--	--	<100	190	50
DATE OF SAMPLE	ZINC, DIS- SOLVED (UG/L AS ZN)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)										
84-10-30	<400	<0.10										
84-12-03	--	--										
85-01-09	<400	<0.10										
85-05-02	<400	<0.10										
85-06-24	--	--										
85-07-31	--	--										
85-08-15	<400	<0.10										
85-09-26	<400	<0.10										
84-10-18	<400	<0.10										
84-11-28	<400	<0.10										
85-01-28	--	--										
85-05-08	--	--										
85-07-30	--	--										
85-08-28	--	--										
85-08-29	<400	<0.10										

QUALITY OF GROUND WATER

283

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)		
405218072561101		S 47225	112GLCLU	84-10-18	31	45	5.0	10	3.8	--		
			112GLCLU	84-11-28	31	80	5.0	11.0	1.2	--		
			112GLCLU	85-01-30	31	160	--	10	11.0	--		
			112GLCLU	85-03-21	31	155	4.9	10	0.75	--		
405240072491402		S 47226	112GLCLU	85-01-31	30	48	--	10	2.2	--		
405240072491401		S 47227	112GLCLU	85-01-31	100	105	--	10	--	--		
405306072482701		S 47228	112GLCLU	85-01-22	101	82	--	11.0	0.30	--		
405541072375300		S 47231	112GLCLU	85-07-22	40	89	--	12.0	2.4	8.5		
404829072463101		S 47489	112GLCLU	85-03-28	41	310	5.8	12.0	7.5	--		
405111073065801		S 47675	112GLCLU	84-11-20	90	15	5.4	12.0	8.5	--		
			112GLCLU	85-02-05	90	150	--	12.0	8.0	--		
			112GLCLU	85-05-06	90	85	5.2	10	8.5	20		
			112GLCLU	85-08-21	90	700	5.1	8.0	8.4	16		
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- LJNITY 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)
84-10-18	--	2.1	--	0.5	28	16	6.1	--	--	<100	<100	<50
84-11-28	--	20	--	5	34	21	6.6	--	--	<100	110	<50
85-01-30	--	23	--	--	26	20	6.8	--	--	<100	850	50
85-03-21	--	20	--	5	29	14	7.5	--	--	<100	270	<50
85-01-31	--	4.4	--	--	<4.0	5.0	0.20	--	--	<100	5900	130
85-01-31	--	4.2	--	--	4.0	5.0	<0.20	--	--	<100	800	260
85-01-22	--	6.1	--	--	<4.0	11	0.20	--	--	<100	12000	200
85-07-22	1.8	8.5	1.6	--	18	13	1.4	0.002	0.001	--	500	330
85-03-28	--	65	--	67	40	37	6.2	--	--	<100	290	<50
84-11-20	--	19	--	2	8.0	25	1.9	--	--	<100	850	60
85-02-05	--	20	--	--	8.0	22	3.7	--	--	<100	1600	60
85-05-06	4.5	24	2.4	27	8.3	42	3.6	0.008	--	--	700	40
85-08-21	4.3	22	2.3	28	13	33	4.2	0.002	--	--	600	70
					DATE OF SAMPLE	ZINC, DIS- SOLVED (UG/L AS ZN)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)					
					84-10-18	<400	<0.10					
					84-11-28	<400	<0.10					
					85-01-30	<400	<0.10					
					85-03-21	<400	<0.10					

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)			
405307073060901	S 47698	112GLCLU	84-10-24	104	69	5.2	10	11.1	4.4			
		112GLCLU	85-02-04	104	78	--	10	10.6	--			
		112GLCLU	85-05-09	104	75	5.2	8.0	11.6	--			
		112GLCLU	85-09-12	104	75	4.7	5.0	11.5	--			
404941073065401	S 47718	112GLCLU	84-11-20	51	130	5.7	11.0	1.0	--			
		112GLCLU	84-12-06	51	140	6.9	12.0	--	--			
		112GLCLU	85-02-05	51	125	--	11.0	0.05	--			
		112GLCLU	85-03-11	51	135	5.5	13.0	1.0	12			
		112GLCLU	85-05-06	51	115	5.4	10	--	12			
404642073005801	S 47743	112GLCLU	85-08-21	51	160	5.6	8.0	0.20	12			
		112GLCLU	84-11-27	100	68	5.9	12.0	3.5	--			
		112GLCLU	85-03-14	100	92	6.2	11.0	0.80	--			
		112GLCLU	85-05-07	100	60	5.3	9.0	1.8	6.7			
		112GLCLU	85-09-05	100	60	5.5	6.0	2.3	--			
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 CAC03)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (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, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	MANGANESE, DIS-SOLVED (UG/L AS MN)
84-10-24	2.1	6.6	0.80	6	3.3	14	1.2	0.003	--	--	400	30
85-02-04	--	--	1.0	--	--	17	1.5	0.010	--	--	200	<10
85-05-09	--	6.4	--	6	<4.0	12	1.4	--	--	<100	200	<30
85-09-12	--	6.4	--	5	<4.0	11	1.2	--	--	<100	430	<30
84-11-20	--	15	--	42	18	16	<0.20	--	--	<100	2300	540
84-12-06	--	14	--	52	18	13	<0.20	--	--	<100	2500	510
85-02-05	--	3.6	--	--	9.0	12	0.30	--	--	<100	3100	520
85-03-11	2.9	12	3.2	41	8.0	11	<0.050	0.001	--	--	4100	720
85-05-06	3.0	12	3.0	49	5.0	12	0.12	0.004	--	--	3800	650
85-08-21	3.4	15	3.4	45	6.3	23	0.070	0.001	--	--	4200	820
84-11-27	--	4.1	--	25	<4.0	6.0	<0.20	--	--	<100	1200	170
85-03-14	--	10	--	26	4.0	13	0.30	--	--	<100	540	140
85-05-07	1.8	4.8	0.70	21	3.4	5.4	0.17	0.010	--	--	800	180
85-09-05	--	4.2	--	78	13	2.0	0.40	--	--	<100	830	140
DATE OF SAMPLE					ZINC, DIS-SOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)						
84-10-24					--	--						
85-02-04					--	--						
85-05-09					<400	<0.10						
85-09-12					<400	<0.10						
84-11-20					<400	<0.10						
84-12-06					<400	<0.10						
85-02-05					<400	<0.10						
85-03-11					--	--						
85-05-06					--	--						
85-08-21					--	--						
84-11-27					<400	<0.10						
85-03-14					<400	<0.10						
85-05-07					--	--						
85-09-05					<400	<0.10						

SUFFOLK COUNTY--Continued

STATION NUMBER	LOCAL IDENTIFIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCT-ANCE	PH (STAND-ARD UNITS)	TEMPER-A-TURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM TOTAL RECOV-ERABLE (MG/L AS CA)			
					(US/CM)							
405417072572701	S 47745	112GLCLU	84-10-22	32	90	4.7	11.0	3.4	5.8			
		112GLCLU	84-11-28	32	73	5.0	11.0	3.0	--			
		112GLCLU	85-01-30	32	62	--	11.0	2.0	--			
		112GLCLU	85-03-25	32	70	4.5	10	3.0	4.2			
		112GLCLU	85-05-13	32	55	4.6	8.0	3.1	3.9			
		112GLCLU	85-09-05	32	140	4.6	5.0	3.9	--			
404847072571300	S 47746	112GLCLU	84-10-18	84	65	4.9	11.0	10.5	--			
		112GLCLU	85-03-19	84	60	5.1	10	10.3	--			
		112GLCLU	85-05-08	84	55	5.1	9.0	10.5	3.4			
		112GLCLU	85-08-29	84	63	4.7	7.0	11.0	--			
404740072545200	S 47747	112GLCLU	84-10-18	34	110	4.9	11.0	6.6	--			
		112GLCLU	84-11-28	34	200	4.8	11.0	4.7	--			
		112GLCLU	85-01-28	34	155	--	11.0	3.7	--			
		112GLCLU	85-03-14	34	75	4.9	10	4.3	--			
		112GLCLU	85-05-08	34	75	4.6	8.0	5.1	2.7			
		112GLCLU	85-08-28	34	100	4.4	6.0	3.9	4.2			
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 GAC03)	SULFATE DIS-SOLVED (MG/L AS S04)	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)
84-10-22	1.5	11	1.9	2	7.0	14	3.0	0.001	--	--	100	220
84-11-28	--	7.3	--	3	9.0	8.0	0.20	--	--	<100	<100	100
85-01-30	--	6.2	--	--	8.0	7.0	1.3	--	--	<100	150	100
85-03-25	1.3	5.2	1.5	--	11	5.3	0.66	0.001	--	--	100	140
85-05-13	1.4	4.9	1.3	0.2	11	6.2	0.66	0.002	--	--	100	140
85-09-05	--	19	--	1	12	34	0.60	--	--	<100	<100	280
84-10-18	--	6.2	--	--	9.0	8.0	1.1	--	--	<100	140	<50
85-03-19	--	5.8	--	4	8.0	7.0	1.2	--	--	<100	110	<50
85-05-08	2.1	5.6	1.2	2	8.8	8.1	0.99	0.002	--	--	500	60
85-08-29	--	5.4	--	2	4.0	8.0	1.1	--	--	<100	120	<50
84-10-18	--	17	--	2	5.0	32	0.80	--	--	<100	<100	<50
84-11-28	--	42	--	2	5.0	72	1.7	--	--	<100	130	50
85-01-28	--	--	0.60	--	--	49	0.88	0.002	--	--	100	80
85-03-14	--	11	--	2	8.0	14	1.1	--	--	<100	<100	<50
85-05-08	1.4	10	5.0	1	6.7	17	1.1	0.003	--	--	100	60
85-08-28	2.0	12	4.6	--	6.7	21	2.6	0.001	--	--	100	80
DATE OF SAMPLE	ZINC, DIS-SOLVED (UG/L AS ZN)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)										
84-10-22	--	--										
84-11-28	<400	<0.10										
85-01-30	<400	--										
85-03-25	--	--										
85-05-13	--	--										

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)		
405638072514700		S 47748	112GLCLU	84-10-10	115	38	5.3	11.0	11.0	1.7		
			112GLCLU	85-01-23	115	36	--	10	11.0	--		
			112GLCLU	85-03-20	115	35	4.8	9.0	11.1	1.5		
			112GLCLU	85-05-15	115	40	5.4	8.0	11.7	26		
			112GLCLU	85-08-26	115	45	5.4	6.0	8.4	2.4		
405338072530401		S 47749	112GLCLU	84-10-17	37	330	4.9	13.0	7.3	19		
			112GLCLU	84-11-26	37	300	4.9	13.0	6.5	--		
			112GLCLU	85-03-20	37	350	4.8	12.0	7.0	13		
			112GLCLU	85-05-13	37	380	4.7	8.0	8.4	--		
			112GLCLU	85-05-16	37	370	4.8	9.0	6.9	--		
			112GLCLU	85-08-28	37	338	4.5	8.0	6.9	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 FIELD (MG/L AS CAC03)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (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, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	MANGANESE, DIS-SOLVED (UG/L AS MN)
84-10-10	1.3	4.2	0.50	2	7.1	5.1	--	0.002	--	--	200	<20
85-01-23	--	<1.0	--	--	4.0	4.0	<0.20	--	--	<100	110	<50
85-03-20	1.3	4.0	0.60	2	6.3	4.5	<0.050	0.002	--	--	300	<20
85-05-15	6.5	74	15	5	75	55	<0.050	0.003	--	--	400	4300
85-08-26	1.1	4.3	0.50	4	6.9	5.2	0.050	0.002	--	--	500	200
84-10-17	6.0	40	3.3	0.9	38	66	4.5	0.007	--	--	800	1100
84-11-26	--	--	3.8	--	--	74	5.9	0.002	--	--	400	780
85-03-20	4.3	76	3.8	6	25	130	2.2	0.002	--	--	900	430
85-05-13	--	88	--	7	27	140	2.8	--	--	<100	740	390
85-05-16	--	83	--	7	21	140	2.9	--	--	<100	1000	370
85-08-28	5.0	88	3.3	--	27	140	2.6	0.008	--	--	1000	490
						ZINC, DIS-SOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)					
						84-10-10	--	--				
						85-01-23	<400	<0.10				
						85-03-20	--	--				
						85-05-15	--	--				
						85-08-26	--	--				
						84-10-17	--	--				
						84-11-26	--	--				
						85-03-20	--	--				
						85-05-13	<400	<0.10				
						85-05-16	<400	<0.10				
						85-08-28	--	--				

QUALITY OF GROUND WATER

287

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)
405004072515400	S 47750	112GLCLU	84-10-17	95	44	5.5	11.0	11.4	3.1
		112GLCLU	85-01-28	95	49	--	10	10.8	--
		112GLCLU	85-03-20	95	48	5.4	10	11.0	3.2
		112GLCLU	85-05-16	95	45	5.2	8.0	12.1	--
		112GLCLU	85-07-23	95	39	5.0	16.0	10.9	3.2
		112GLCLU	85-08-26	95	50	5.2	7.0	11.2	3.3
404607072594702	S 47751	112GLCLU	84-10-03	38	175	4.5	13.0	3.5	17
		112GLCLU	84-11-27	38	175	4.5	13.0	1.1	--
		112GLCLU	84-12-05	38	18	4.5	13.0	1.1	--
404607072594701	S 47752	112GLCLU	84-10-03	100	60	6.2	12.0	3.3	5.5
		112GLCLU	84-10-23	100	69	5.8	12.0	4.1	5.8
		112GLCLU	84-11-27	100	63	5.8	12.0	3.8	--
		112GLCLU	84-12-05	100	63	5.8	12.0	2.7	--

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 FIELD (MG/L AS CAC03)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (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, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	MANGANESE, DIS-SOLVED (UG/L AS MN)
84-10-17	1.2	4.7	0.40	6	7.4	7.7	0.090	0.001	--	--	400	<20
85-01-28	--	--	0.50	--	--	7.1	0.050	0.013	--	--	300	30
85-03-20	1.2	5.0	0.50	7	7.0	6.3	<0.050	0.003	--	--	500	<20
85-05-16	--	4.1	--	6	8.0	8.0	0.80	--	--	<100	220	<50
85-07-23	1.2	5.0	0.50	7	7.3	6.4	<0.050	<0.001	0.006	--	200	40
85-08-26	1.2	5.0	0.50	6	6.6	5.7	<0.050	0.001	--	--	400	60
84-10-03	3.5	13	3.4	--	24	19	11	0.002	--	--	100	120
84-11-27	--	17	--	--	24	22	7.8	--	--	<100	130	250
84-12-05	--	17	--	--	24	22	5.7	--	--	<100	190	260
84-10-03	2.6	4.4	0.60	26	3.1	4.6	0.080	0.001	--	--	100	<20
84-10-23	2.6	4.4	0.60	25	2.8	4.3	0.17	0.002	--	--	500	<20
84-11-27	--	4.2	--	25	<4.0	4.0	<0.20	--	--	<100	290	<50
84-12-05	--	4.4	--	25	<4.0	3.0	0.30	--	--	<100	310	<50

DATE OF SAMPLE	ZINC, DIS-SOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
84-10-17	--	--
85-01-28	--	--
85-03-20	--	--
85-05-16	<400	<0.10
85-07-23	--	--
85-08-26	--	--
84-10-03	--	--
84-11-27	<400	<0.10
84-12-05	<400	<0.10
84-10-03	--	--
84-10-23	--	--
84-11-27	<400	<0.10
84-12-05	<400	<0.10

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)		
405412072441401		S 47753	112GLCLU	84-10-15	102	48	5.5	10.5	8.2	3.2		
			112GLCLU	84-11-26	102	51	5.5	10	4.7	--		
			112GLCLU	85-01-16	102	48	--	10	7.0	--		
			112GLCLU	85-03-13	102	48	5.7	9.0	8.2	3.1		
			112GLCLU	85-05-14	102	50	5.2	7.0	9.2	3.3		
			112GLCLU	85-08-22	102	55	5.1	6.0	7.9	--		
405412072441402		S 47754	112GLCLU	84-10-15	41	32	4.4	12.0	9.2	1.4		
			112GLCLU	84-11-26	41	51	4.1	12.0	9.1	--		
			112GLCLU	85-01-16	41	38	--	11.0	5.0	--		
			112GLCLU	85-03-13	41	35	4.5	10	7.1	2.0		
			112GLCLU	85-05-14	41	35	4.3	7.0	8.7	1.9		
			112GLCLU	85-08-22	41	35	4.2	6.0	9.1	--		
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 CAC03)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (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, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	MANGANESE, DIS-SOLVED (UG/L AS MN)
84-10-15	1.1	5.3	0.80	7	9.6	5.7	<0.050	0.002	--	--	200	<20
84-11-26	--	--	0.90	--	--	7.6	0.10	0.001	--	--	200	60
85-01-16	--	7.6	--	--	6.0	6.0	0.20	--	--	<100	150	<50
85-03-13	1.1	6.0	0.80	5	10	5.8	<0.050	0.003	--	--	100	60
85-05-14	1.2	5.5	0.80	5	9.7	6.0	0.070	0.003	--	--	300	<20
85-08-22	--	5.7	--	3	11	7.0	<0.20	--	--	<100	180	<50
84-10-15	0.80	3.5	0.50	--	7.2	5.3	<0.050	0.002	--	--	300	120
84-11-26	--	--	0.60	--	--	5.2	<0.050	0.001	--	--	200	130
85-01-16	--	3.5	--	--	6.0	5.0	<0.20	--	--	<100	100	80
85-03-13	0.84	4.0	0.50	--	9.6	5.6	<0.050	0.002	--	--	100	100
85-05-14	0.90	3.6	0.50	--	9.2	5.2	<0.050	0.002	--	--	200	120
85-08-22	--	3.4	--	--	9.0	5.0	<0.020	--	--	<100	<100	70
DATE OF SAMPLE						ZINC, DIS-SOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)					
84-10-15						--	--					
84-11-26						--	--					
85-01-16						<400	<0.10					
85-03-13						--	--					
85-05-14						--	--					
85-08-22						<400	<0.10					
84-10-15						--	--					
84-11-26						--	--					
85-01-16						<400	<0.10					
85-03-13						--	--					
85-05-14						--	--					
85-08-22						<400	<0.10					

QUALITY OF GROUND WATER

289

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)		
405136072464500		S 47755	112GLCLU	84-10-15	58	45	4.7	13.0	7.8	2.6		
			112GLCLU	85-01-17	58	44	--	13.0	8.0	--		
			112GLCLU	85-03-21	58	54	5.4	8.0	7.4	--		
			112GLCLU	85-05-14	58	45	5.6	11.0	5.6	2.3		
			112GLCLU	85-08-22	58	32	6.0	10	4.2	--		
404922072595001		S 47756	112GLCLU	84-10-22	69	150	5.1	11.0	9.7	5.5		
			112GLCLU	85-02-05	69	125	--	11.0	9.0	--		
			112GLCLU	85-03-25	69	100	4.9	10	9.0	3.5		
			112GLCLU	85-05-16	69	100	4.9	9.0	9.6	--		
			112GLCLU	85-08-29	69	140	4.4	7.0	8.6	--		
405008073025501		S 47757	112GLCLU	84-10-29	138	210	5.4	13.0	8.8	15		
			112GLCLU	85-05-20	138	175	5.5	10	9.3	16		
			112GLCLU	85-07-30	138	186	5.0	14.0	7.6	20		
			112GLCLU	85-09-10	138	215	4.9	8.0	8.2	20		
DATE OF SAMPLE	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY 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)
84-10-15	1.2	4.8	0.80	0.9	8.9	6.8	<0.050	0.002	--	--	300	<20
85-01-17	--	<5.0	--	--	6.0	6.0	<0.20	--	--	<100	220	<50
85-03-21	--	6.6	--	7	5.0	8.0	0.20	--	--	<100	920	100
85-05-14	1.2	5.8	1.0	7	6.3	6.9	0.11	0.009	--	--	700	200
85-08-22	--	5.6	--	3	5.0	7.0	0.20	--	--	<100	1200	<50
84-10-22	2.1	23	1.6	5	12	36	0.93	0.003	--	--	300	50
85-02-05	--	18	--	--	12	21	1.2	--	--	<100	220	<50
85-03-25	1.4	18	1.3	5	12	19	1.2	0.003	--	--	200	50
85-05-16	--	15	--	6	8.0	20	1.3	--	--	<100	430	50
85-08-29	--	18	--	--	4.0	30	2.8	--	--	<100	280	<50
84-10-29	5.0	18	1.5	18	8.4	38	2.2	0.004	--	--	200	60
85-05-20	5.0	21	1.8	20	12	39	2.9	0.005	--	--	400	40
85-07-30	6.0	26	2.0	24	11	51	3.2	0.001	<0.001	--	500	<20
85-09-10	6.0	24	1.9	17	9.0	51	2.7	0.004	--	--	700	110
DATE OF SAMPLE	ZINC, DIS- SOLVED (UG/L AS ZN)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)										
84-10-15	--	--										
85-01-17	<400	<0.10										
85-03-21	400	<0.10										
85-05-14	--	--										
85-08-22	<400	<0.10										
84-10-22	--	--										
85-02-05	<400	<0.10										
85-03-25	--	--										
85-05-16	<400	<0.10										
85-08-29	<400	<0.10										
84-10-29	--	--										
85-05-20	--	--										
85-07-30	--	--										
85-09-10	--	--										

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)		
404852073050401		S 47758	112GLCLU	84-10-29	102	330	4.9	12.0	9.5	20		
			112GLCLU	85-05-07	102	330	4.7	10	9.9	19		
			112GLCLU	85-08-07	102	200	5.0	13.0	8.5	14		
			112GLCLU	85-09-10	102	200	4.4	7.0	9.7	14		
			112GLCLU	85-09-30	102	200	4.3	6.0	7.2	--		
404925073085901		S 47897	112GLCLU	85-04-10	29	250	6.0	17.0	2.3	27		
405648072555101		S 47945	112GLCLU	84-10-09	142	142	5.2	11.0	9.1	9.2		
			112GLCLU	85-01-23	142	65	--	10	9.0	--		
			112GLCLU	85-03-20	142	75	5.6	10	7.1	4.8		
			112GLCLU	85-08-28	142	75	4.9	8.0	8.3	6.9		
405604073064301		S 47973	112GLCLU	84-10-24	90	160	5.4	12.0	8.4	20		
			112GLCLU	85-02-04	90	130	--	11.0	12.8	--		
			112GLCLU	85-05-09	90	125	6.6	11.0	5.5	--		
			112GLCLU	85-09-12	90	130	5.4	7.0	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 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)
84-10-29	2.8	61	3.4	8	24	75	13	0.006	--	--	200	200
85-05-07	5.0	76	6.0	5	25	120	8.7	0.006	--	--	600	180
85-08-07	4.3	26	4.0	2	18	32	9.0	0.007	--	--	300	190
85-09-10	4.2	26	4.2	--	15	35	8.3	0.007	--	--	500	200
85-09-30	--	28	--	--	19	30	8.9	--	--	<100	410	110
85-04-10	5.0	32	8.5	5	8.0	28	5.4	0.114	--	--	300	100
84-10-09	3.5	7.6	1.0	7	11	14	5.8	0.002	--	--	2000	60
85-01-23	--	5.9	--	--	10	8.0	1.0	--	--	<100	1900	60
85-03-20	1.5	6.0	1.1	13	11	8.5	0.80	0.004	--	--	4800	580
85-08-28	2.7	5.0	2.0	5	9.7	10	3.0	0.003	--	--	400	50
84-10-24	5.8	9.2	1.3	16	47	10	2.8	0.003	--	--	300	<20
85-02-04	--	--	1.5	--	--	11	3.3	0.015	--	--	300	<20
85-05-09	--	23	--	28	<4.0	29	0.30	--	--	<100	1100	90
85-09-12	--	20	--	33	<4.0	25	<0.20	--	--	<100	3200	200
DATE OF SAMPLE						ZINC, DISSOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)					
84-10-29						--	--					
85-05-07						--	--					
85-08-07						--	--					
85-09-10						--	--					
85-09-30						<400	<0.10					
85-04-10						--	--					
84-10-09						--	--					
85-01-23						<400	<0.10					
85-03-20						--	--					
85-08-28						--	--					
84-10-24						--	--					
85-02-04						--	--					
85-05-09						<400	<0.10					
85-09-12						<400	<0.10					

QUALITY OF GROUND WATER

291

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)		
405532073025701		S 47974	112GLCLU	84-10-24	150	220	5.3	13.0	8.2	10		
			112GLCLU	85-02-04	150	200	--	12.0	8.8	--		
			112GLCLU	85-05-09	150	215	5.3	12.0	5.4	--		
			112GLCLU	85-09-11	150	140	5.0	12.0	4.5	15		
405050072595301		S 47975	112GLCLU	84-10-10	129	145	5.5	11.0	9.0	16		
			112GLCLU	84-10-22	129	145	5.4	11.0	9.4	17		
			112GLCLU	85-03-25	129	175	5.4	10	9.3	--		
			112GLCLU	85-05-20	129	165	5.6	8.0	8.4	21		
			112GLCLU	85-08-07	129	183	5.1	12.0	7.5	22		
405605072591501		S 47976	112GLCLU	84-10-22	138	175	5.0	11.0	8.5	16		
			112GLCLU	85-01-30	138	153	--	11.0	8.0	--		
			112GLCLU	85-03-25	138	150	5.2	10	8.3	--		
			112GLCLU	85-05-13	138	150	4.0	9.0	8.8	14		
			112GLCLU	85-09-05	138	160	5.0	5.0	8.1	--		
DATE OF SAMPLE	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY FIELD (MG/L AS CAC03)	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)
84-10-24	4.7	21	2.6	21	5.3	36	5.4	0.005	--	--	1300	170
85-02-04	--	31	--	--	--	45	4.6	0.013	--	--	3900	210
85-05-09	--	30	--	27	11	46	5.1	--	--	<100	2900	310
85-09-11	7.0	27	3.4	17	17	44	8.1	0.008	--	--	2300	200
84-10-10	7.4	5.7	1.0	35	24	11	1.2	0.003	--	--	500	40
84-10-22	7.0	5.8	1.1	--	25	11	1.3	0.003	--	--	400	30
85-03-25	--	--	--	24	25	16	2.0	0.004	--	--	--	--
85-05-20	9.0	7.3	7.3	33	28	17	2.4	0.006	--	--	500	70
85-08-07	9.4	7.5	1.5	34	30	19	2.4	0.003	--	--	400	50
84-10-22	6.0	13	1.8	5	25	18	6.5	0.003	--	--	400	60
85-01-30	--	13	--	--	26	15	5.1	--	--	<100	390	<50
85-03-25	--	--	--	20	27	12	4.2	0.003	--	--	--	--
85-05-13	6.0	14	1.8	11	5.0	16	4.5	0.003	--	--	400	<20
85-09-05	--	12	--	15	23	13	4.6	--	--	<100	240	70
					DATE OF SAMPLE	ZINC, DIS- SOLVED (UG/L AS ZN)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)					
					84-10-24	--	--					
					85-02-04	--	--					
					85-05-09	<400	<0.10					
					85-09-11	--	--					
					84-10-10	--	--					
					84-10-22	--	--					
					85-03-25	--	--					
					85-05-20	--	--					
					85-08-07	--	--					
					84-10-22	--	--					
					85-01-30	<400	<0.10					
					85-03-25	--	--					
					85-05-13	--	--					
					85-09-05	<400	<0.10					

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)		
404711072515000		S 47977	112GLCLU	84-10-17	55	140	4.7	12.0	7.8	11		
			112GLCLU	85-01-28	55	125	--	11.0	8.5	--		
			112GLCLU	85-05-08	55	125	4.5	10	9.1	10		
			112GLCLU	85-08-26	55	140	4.4	8.0	9.8	11		
404923073104801		S 48204	112GLCLU	85-04-10	32	230	5.4	13.0	1.7	23		
404755073244201		S 48375	112GLCLU	85-04-01	79	320	7.3	14.0	5.4	11		
405740072190001		S 48426	112GLCLU	85-08-12	121	100	5.2	11.0	10.1	10		
405838072154001		S 48517	112GLCLU	85-08-12	71	57	5.4	12.0	9.6	3.4		
405650072145201		S 48518	112GLCLU	85-08-12	50	76	4.9	7.0	9.6	4.0		
405136073041601		S 48651	112GLCLU	84-10-29	64	300	5.4	12.0	6.7	17		
			112GLCLU	85-05-09	64	260	7.6	11.0	4.2	--		
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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (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, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	MANGANESE, DIS-SOLVED (UG/L AS MN)
84-10-17	2.6	12	0.25	2	9.0	16	5.6	0.002	--	--	400	230
85-01-28	--	3.2	--	--	--	18	5.1	0.006	--	--	300	300
85-05-08	2.1	14	3.5	--	20	19	4.6	0.006	--	--	400	260
85-08-26	2.0	14	3.6	--	20	18	4.5	0.002	--	--	900	300
85-04-10	4.4	29	7.0	47	26	23	12	0.016	--	--	200	3700
85-04-01	2.3	56	17	137	8.4	40	0.29	0.016	--	--	200	130
85-08-12	3.0	10	10	14	10	13	1.7	0.001	--	--	300	40
85-08-12	1.5	7.5	0.80	7	6.6	9.6	<0.050	<0.001	--	--	<50	<20
85-08-12	2.2	10	1.3	2	10	13	0.62	0.001	--	--	200	40
84-10-29	3.4	44	3.6	17	20	58	6.6	0.003	--	--	200	70
85-05-09	--	5.1	--	36	13	78	<0.20	--	--	<100	280	60
DATE OF SAMPLE						ZINC, DIS-SOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)					
						84-10-17	--					
						85-01-28	--					
						85-05-08	--					
						85-08-26	--					
						85-04-10	--					
						85-04-01	--					
						85-08-12	--					
						85-08-12	--					
						85-08-12	--					
						84-10-29	--					
						85-05-09	<400					
							<0.10					

QUALITY OF GROUND WATER

293

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

SUFFOLK COUNTY--Continued

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

STATION	NUMBER	LOCAL IDENTIFIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)		
404641073005402		S 48759	112GLCLU	84-10-23	35	280	5.1	12.0	2.2	18		
			112GLCLU	84-11-27	35	195	4.9	13.0	1.3	--		
			112GLCLU	85-03-18	35	185	5.2	12.0	3.9	--		
			112GLCLU	85-05-07	35	180	4.8	10	4.2	18		
			112GLCLU	85-09-05	35	200	4.7	7.0	1.8	--		
405121072490601		S 48946	112GLCLU	84-10-17	45	165	6.0	11.0	2.5	12		
			112GLCLU	84-11-16	45	136	5.7	11.0	1.9	--		
			112GLCLU	85-01-23	45	140	--	11.0	4.0	--		
			112GLCLU	85-03-13	45	160	5.9	11.0	5.3	12		
			112GLCLU	85-05-14	45	110	5.5	9.0	3.4	10		
			112GLCLU	85-08-26	45	150	5.6	7.0	2.4	14		
405259073010301		S 48958	112GLCLU	84-10-24	80	70	5.1	12.0	9.8	16		
			112GLCLU	85-03-21	80	140	5.3	12.0	9.2	--		
			112GLCLU	85-05-23	80	140	5.3	10	10.1	--		
404423073084101		S 49396	112GLCLU	85-04-03	23	220	6.4	8.0	10.5	34		
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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (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, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	MANGANESE, DIS-SOLVED (UG/L AS MN)
84-10-23	2.8	36	5.6	7	19	52	11	0.004	--	--	200	60
84-11-27	--	19	--	5	14	26	13	--	--	<100	<100	50
85-03-18	--	21	--	7	18	23	11	--	--	<100	<100	<50
85-05-07	3.0	20	4.6	6	17	23	12	0.008	--	--	200	40
85-09-05	--	19	--	43	20	20	18	--	--	<100	130	<50
84-10-17	4.0	4.2	7.3	25	20	12	2.0	0.004	--	--	7500	660
84-11-16	--	--	4.8	--	--	11	2.6	0.005	--	--	9000	860
85-01-23	--	10	--	--	28	11	4.4	--	--	<100	5100	470
85-03-13	3.8	16	4.2	36	23	19	3.1	0.005	--	--	5000	550
85-05-14	3.3	6.3	2.8	16	18	8.6	2.6	0.004	--	--	3000	460
85-08-26	4.5	7.7	3.8	25	20	13	4.7	0.006	--	--	6500	560
84-10-24	6.0	9.8	1.4	8	1.3	24	7.6	0.004	--	--	400	<20
85-03-21	--	10	--	8	23	18	4.5	--	--	<100	370	<50
85-05-23	--	10	--	8	22	22	4.0	--	--	<100	280	<50
85-04-03	0.50	26	6.0	102	18	25	1.1	0.088	--	--	1500	320
DATE OF SAMPLE	ZINC, DIS-SOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)										
84-10-23	--	--										
84-11-27	<400	<0.10										
85-03-18	<400	<0.10										
85-05-07	--	--										
85-09-05	<400	<0.10										
84-10-17	--	--										
84-11-16	--	--										
85-01-23	<400	--										
85-03-13	--	--										
85-05-14	--	--										
85-08-26	--	--										
84-10-24	--	--										
85-03-21	<400	<0.10										
85-05-23	<400	<0.10										
85-04-03	--	--										

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)
404711073020101	S 49604	112GLCLU	85-04-09	0	250	--	6.0	5.6	14
404601073051901	S 49749	112GLCLU	85-04-10	46	320	5.8	11.0	4.9	15
404952073120301	S 49899	112GLCLU	85-04-03	27	230	5.7	11.0	4.6	25
405456073020801	S 50971	112GLCLU	85-04-22	108	180	4.2	18.0	4.2	15
410410072214701	S 51171	112GLCLU	85-08-20	55	168	5.2	12.0	9.0	13
410350072210601	S 51172	112GLCLU	85-08-20	37	298	5.2	14.0	0.20	23
410510072212301	S 51173	112GLCLU	85-08-20	51	120	5.4	16.0	9.2	9.2
410424072192801	S 51179	112GLCLU	85-08-26	67	104	5.5	--	11.9	9.0
410602072195801	S 51182	112GLCLU	85-08-26	76	58	5.3	12.0	8.4	2.3
404715073034401	S 51228	112GLCLU	85-04-11	32	320	5.8	9.0	3.5	--

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 CAC03)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (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, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	MANGANESE, DIS-SOLVED (UG/L AS MN)
85-04-09	3.0	39	12	52	19	28	9.7	2.00	--	--	700	100
85-04-10	0.70	58	18	149	18	33	0.70	0.028	--	--	1800	300
85-04-03	4.1	28	8.0	47	37	32	5.1	0.027	--	--	600	300
85-04-22	3.0	17	7.5	20	6.1	21	12	0.003	--	--	300	480
85-08-20	4.9	15	5.1	17	23	20	6.8	0.002	--	--	3000	<20
85-08-20	5.2	43	9.7	74	47	47	0.78	0.034	--	--	3400	40
85-08-20	3.6	13	1.6	19	16	16	1.0	0.003	--	--	10000	250
85-08-26	5.1	6.8	1.1	16	26	10	0.33	0.002	--	--	400	60
85-08-26	1.9	2.3	1.9	6	7.3	5.6	0.080	0.002	--	--	400	60
85-04-11	--	50	--	85	38	40	15	--	--	<100	260	50

DATE OF SAMPLE	ZINC, DIS-SOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
85-04-09	--	--
85-04-10	--	--
85-04-03	--	--
85-04-22	--	--
85-08-20	--	--
85-08-20	--	--
85-08-20	--	--
85-08-26	--	--
85-08-26	--	--
85-04-11	<400	0.10

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

SUFFOLK COUNTY--Continued

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

STATION	NUMBER	LOCAL IDENTIFIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)		
405147073125601		S 51265	112GLCLU	85-04-02	72	270	5.3	17.0	1.6	14		
405653072422501		S 51567	112GLCLU	85-07-18	92	393	5.2	--	--	8.0		
405805072403701		S 51571	112GLCLU	85-07-24	108	203	4.9	12.0	9.9	32		
405544072411801		S 51575	112GLCLU	85-07-18	34	134	5.5	--	--	17		
405559072425201		S 51576	112GLCLU	85-06-17	69	90	5.1	6.0	11.5	--		
405721072453701		S 51578	112GLCLU	85-07-18	126	195	5.0	--	--	30		
405500072495201		S 51583	112GLCLU	85-07-18	51	42	4.9	--	--	1.9		
405349072494101		S 51592	112GLCLU	85-01-24	42	88	--	11.0	5.0	--		
			112GLCLU	85-07-22	42	97	4.8	12.0	7.0	4.0		
405229072592501		S 51626	112GLCLU	85-04-04	41	360	--	19.0	9.5	--		
405351072553301		S 51979	112GLCLU	85-04-15	47	280	--	16.0	4.8	4.5		
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)
85-04-02	3.0	48	12	52	20	30	11	0.006	--	--	500	1900
85-07-18	14	12	3.0	7	160	42	13	0.001	0.005	--	400	50
85-07-24	7.0	7.8	4.4	3	68	22	7.8	0.002	0.002	--	200	30
85-07-18	3.1	10	1.5	41	6.9	22	<0.050	0.001	0.013	--	6000	160
85-06-17	--	3.2	--	4	18	7.0	3.5	--	--	<100	140	110
85-07-18	7.8	6.5	3.9	1	72	16	6.0	<0.001	0.001	--	1000	60
85-07-18	1.3	5.1	1.4	2	6.9	8.6	0.19	<0.001	0.001	--	400	<20
85-01-24	--	17	--	--	10	24	0.80	--	--	<100	130	<50
85-07-22	1.2	19	3.6	1	29	14	0.21	<0.001	0.002	--	200	40
85-04-04	--	42	--	165	9.0	34	0.60	--	--	<100	5300	370
85-04-15	2.4	68	12	116	18	20	0.27	0.014	--	--	1300	60
DATE OF SAMPLE	ZINC, DISSOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)										
85-04-02	--	--										
85-07-18	--	--										
85-07-24	--	--										
85-07-18	--	--										
85-06-17	<400	<0.10										
85-07-18	--	--										
85-07-18	--	--										
85-01-24	<400	<0.10										
85-07-22	--	--										
85-04-04	500	0.10										
85-04-15	--	--										

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)
405123072543901	S 51980	112GLCLU	85-04-04	35	185	5.9	10	6.4	--
410400072202001	S 52050	112GLCLU	85-08-26	64	175	4.9	13.5	7.9	16
404523073181101	S 52384	112GLCLU	85-04-02	33	340	6.2	10	7.1	20
405512072395202	S 52449	112GLCLU	85-07-22	40	141	5.2	15.0	0.20	21
404639073034901	S 52641	112GLCLU	85-04-11	35	360	5.9	13.0	3.3	--
405513072505401	S 52886	112GLCLU	85-01-31	57	210	--	10	9.0	--
410104072303301	S 53324	112GLCLU	85-07-16	62	308	5.1	13.0	8.2	34
410007072331901	S 53325	112GLCLU	85-07-26	68	228	4.9	12.6	9.5	40
405924072342301	S 53333	112GLCLU	85-07-16	74	275	5.4	12.0	7.8	45
410304072262701	S 53335	112GLCLU	85-07-29	37	297	5.1	12.0	6.8	58
		112GLCLU	85-08-13	37	338	5.1	12.0	7.9	56

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 CAC03)	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)
85-04-04	--	25	--	51	26	17	2.7	--	--	<100	360	5700
85-08-26	5.0	14	11	8	22	11	11	0.014	--	--	100	50
85-04-02	2.5	32	11	173	8.5	23	<0.050	0.006	--	--	4700	260
85-07-22	4.4	11	3.1	18	9.6	29	4.8	0.014	0.012	--	100	80
85-04-11	--	45	--	180	60	34	0.40	--	--	<100	21000	700
85-01-31	--	10	--	--	31	18	3.6	--	--	<100	280	<50
85-07-16	6.0	43	7.0	--	66	63	8.9	0.004	0.006	--	300	<20
85-07-26	7.5	9.0	3.8	9	75	17	8.4	<0.001	0.003	--	600	<20
85-07-16	8.0	12	4.0	13	56	34	10	<0.001	0.005	--	300	20
85-07-29	9.5	12	7.5	9	95	31	16	0.001	--	--	200	<20
85-08-13	7.5	12	7.0	8	100	30	15	0.001	--	--	200	<20

DATE OF SAMPLE	ZINC, DISSOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
85-04-04	<400	<0.10
85-08-26	--	--
85-04-02	--	--
85-07-22	--	--
85-04-11	<400	0.10
85-01-31	<400	<0.10
85-07-16	--	--
85-07-26	--	--
85-07-16	--	--
85-07-29	--	--
85-08-13	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)		
410906072171301		S 53337	112GLCLU	85-07-29	52	467	5.7	12.0	3.9	57		
410604072222201		S 53539	112GLCLU	85-07-29	37	132	5.2	13.5	11.2	18		
			112GLCLU	85-08-13	37	137	5.2	14.0	10.2	20		
405308072224401		S 54020	112GLCLU	85-03-27	33	300	5.5	14.0	3.8	35		
405230073081901		S 54665	112GLCLU	85-04-02	47	240	5.7	10	1.2	18		
405139073002901		S 54972	112GLCLU	85-04-15	101	250	--	9.0	4.8	4.7		
404650072583301		S 55046	112GLCLU	85-03-28	33	370	5.6	7.0	0.50	--		
404734072573301		S 55047	112GLCLU	85-03-28	45	380	6.0	19.0	1.3	--		
405120073231801		S 55049	112GLCLU	85-04-01	190	88	5.2	14.0	9.8	8.4		
404458073062201		S 56029	112GLCLU	85-04-03	42	260	4.2	11.0	3.5	27		
404500073062101		S 56030	112GLCLU	85-04-03	36	170	4.5	11.0	9.4	14		
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)
85-07-29	34	38	3.3	18	190	89	9.1	0.045	<0.001	--	800	<20
85-07-29	2.5	11	1.0	16	30	14	2.0	0.002	<0.001	--	1800	150
85-08-13	3.0	11	1.1	18	27	12	2.1	0.002	--	--	1200	90
85-03-27	7.0	33	15	23	89	42	3.8	0.004	--	--	200	70
85-04-02	5.0	38	12	67	26	29	4.6	0.013	--	--	300	460
85-04-15	1.2	59	16	92	19	28	0.24	0.058	--	--	1400	50
85-03-28	--	54	--	56	40	64	9.1	--	--	<100	190	70
85-03-28	--	60	--	166	25	48	<0.20	--	--	<100	8300	300
85-04-01	2.8	5.7	1.5	12	19	4.9	0.70	0.013	--	--	300	40
85-04-03	4.0	33	6.0	--	94	32	2.7	0.003	--	--	800	640
85-04-03	3.2	22	7.0	--	28	23	8.1	0.005	--	--	300	300
							METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)					
					DATE OF SAMPLE	ZINC, DIS- SOLVED (UG/L AS ZN)						
					85-07-29	--	--					
					85-07-29	--	--					
					85-08-13	--	--					
					85-03-27	--	--					
					85-04-02	--	--					
					85-04-15	--	--					
					85-03-28	<400	0.20					
					85-03-28	<400	<0.10					
					85-04-01	--	--					
					85-04-03	--	--					
					85-04-03	--	--					

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

SUFFOLK COUNTY--Continued

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

STATION	NUMBER	LOCAL IDENTIFIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)		
405231073011301		S 57691	112GLCLU	85-04-15	47	210	6.2	18.0	6.9	11		
404741072385101		S 58626	112GLCLU	85-03-27	19	360	6.4	13.0	7.8	14		
404440073111401		S 63831	112GLCLU	84-10-23	20	110	4.8	15.0	5.8	10		
			112GLCLU	84-10-30	20	104	4.6	14.5	3.1	10		
			112GLCLU	84-11-05	20	96	4.6	15.5	6.2	8.6		
			112GLCLU	85-01-29	20	99	--	13.0	2.1	8.0		
			112GLCLU	85-02-07	20	100	4.2	12.5	2.6	7.8		
			112GLCLU	85-08-14	20	135	4.2	15.0	3.5	9.5		
404222073174301		S 64188	112GLCLU	84-10-23	18	186	6.0	17.0	1.0	21		
			112GLCLU	84-10-30	18	152	5.8	16.5	1.2	16		
			112GLCLU	84-11-05	18	154	5.7	16.5	1.5	17		
			112GLCLU	85-01-29	18	159	--	13.0	0.70	16		
			112GLCLU	85-02-13	18	155	5.9	12.5	0.70	17		
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 CAC03)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (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, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	MANGANESE, DIS-SOLVED (UG/L AS MN)
85-04-15	2.1	33	9.0	76	14	29	0.25	0.004	--	--	8000	3500
85-03-27	3.3	56	15	7	64	39	0.070	0.002	--	--	7500	640
84-10-23	2.4	10	1.5	2	26	15	3.0	0.005	<0.020	--	1100	250
84-10-30	2.6	11	1.4	1	26	15	2.8	0.004	<0.002	--	1100	260
84-11-05	2.6	12	0.70	0.8	24	15	0.70	0.002	<0.002	--	200	50
85-01-29	2.0	9.0	1.1	--	24	13	1.5	0.003	<0.002	--	600	440
85-02-07	2.4	10	1.1	--	24	14	1.3	<0.001	<0.002	--	300	760
85-08-14	3.0	16	1.3	--	26	23	1.2	0.001	--	--	200	540
84-10-23	3.3	21	2.0	27	12	55	0.49	0.002	0.003	--	200	60
84-10-30	2.4	22	2.1	22	11	48	0.65	0.001	<0.002	--	<50	<20
84-11-05	2.5	20	2.3	22	12	42	0.82	0.001	<0.002	--	<50	<20
85-01-29	2.3	19	2.6	--	19	27	1.6	0.001	<0.002	--	200	50
85-02-13	2.5	21	2.4	32	23	25	1.5	0.004	0.004	--	<50	<20
DATE OF SAMPLE	ZINC, DIS-SOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)										
85-04-15	--	--										
85-03-27	--	--										
84-10-23	--	--										
84-10-30	--	--										
84-11-05	--	--										
85-01-29	--	--										
85-02-07	--	--										
85-08-14	--	--										
84-10-23	--	--										
84-10-30	--	--										
84-11-05	--	--										
85-01-29	--	--										
85-02-13	--	--										

QUALITY OF GROUND WATER

299

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)		
404132073201401		S 64554	112GLCLU	84-10-25	15	97	5.5	15.0	0.90	--		
			112GLCLU	84-11-13	15	171	5.4	16.5	0.80	16		
			112GLCLU	85-07-17	15	192	5.2	16.0	0.25	18		
404117073210501		S 64555	112GLCLU	85-08-27	10	237	5.8	22.0	7.6	30		
405801072354402		S 71577	112GLCLU	84-11-09	59	480	--	--	--	--		
404557073054001		S 74484	UPPERGLA	84-10-24	20	182	5.1	16.0	6.5	20		
			UPPERGLA	84-10-31	20	163	5.2	16.0	6.9	20		
			UPPERGLA	84-11-19	20	198	5.1	15.5	6.8	24		
			UPPERGLA	85-01-28	20	240	--	14.0	5.8	17		
			UPPERGLA	85-01-28	20	240	--	14.0	4.8	17		
			UPPERGLA	85-02-07	20	233	5.2	13.0	7.9	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 FIELD (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (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, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	MANGANESE, DIS-SOLVED (UG/L AS MN)
84-10-25	--	23	--	40	36	34	2.1	--	--	<100	380	1700
84-11-13	3.0	18	5.5	39	28	24	0.080	0.002	0.006	--	2600	880
85-07-17	3.5	17	6.0	5	29	19	<0.050	0.002	0.004	--	3600	920
85-08-27	4.2	12	7.5	77	31	14	0.54	0.003	--	--	1000	1900
84-11-09	--	--	--	--	--	39	21	0.020	--	--	--	--
84-10-24	2.0	24	3.5	11	38	15	9.6	0.002	0.160	--	200	60
84-10-31	2.0	22	3.6	12	40	17	8.6	0.001	0.172	--	100	40
84-11-19	2.0	22	3.9	12	38	20	11	0.001	0.146	--	<50	130
85-01-28	1.6	40	5.0	--	31	27	15	0.002	0.105	--	100	80
85-01-28	1.6	40	5.0	--	31	27	15	0.002	--	--	100	80
85-02-07	1.9	44	7.0	12	28	28	17	0.001	0.123	--	100	80
						DATE OF SAMPLE	ZINC, DIS-SOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)				
						84-10-25	<400	<0.10				
						84-11-13	--	--				
						85-07-17	--	--				
						85-08-27	--	--				
						84-11-09	--	--				
						84-10-24	--	--				
						84-10-31	--	--				
						84-11-19	--	--				
						85-01-28	--	--				
						85-01-28	--	--				
						85-02-07	--	--				

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

SUFFOLK COUNTY--Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)			
404402073194002	S 74489	112GLCLU	84-10-29	25	141	5.3	17.0	1.4	16			
		112GLCLU	84-11-13	25	152	5.2	17.0	1.3	18			
		112GLCLU	85-01-30	25	150	--	14.5	2.3	16			
		112GLCLU	85-02-13	25	149	5.1	14.0	0.70	17			
		112GLCLU	85-04-12	25	240	5.9	13.0	--	20			
		112GLCLU	85-05-25	25	270	5.7	14.0	1.5	20			
		112GLCLU	85-07-20	25	215	5.8	13.0	0.50	19			
		112GLCLU	85-08-23	25	212	5.7	14.5	1.1	20			
		112GLCLU	85-08-27	25	170	4.9	16.0	0.15	16			
		404634073054001	S 74490	112GLCLU	85-07-31	45	61	4.8	14.0	7.3	4.6	
404406073301001	S 74491	112GLCLU	85-08-21	20	125	5.5	17.0	0.40	8.8			
404497073193901	S 74492	112GLCLU	85-07-28	16	297	5.7	18.0	0.10	23			
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 DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (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, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	MANGANESE, DIS-SOLVED (UG/L AS MN)
84-10-29	1.5	16	4.6	1	32	19	5.3	0.002	0.003	--	<50	1300
84-11-13	1.5	16	4.8	10	30	18	5.1	0.002	<0.002	--	<50	1500
85-01-30	2.0	14	4.1	--	27	22	3.2	<0.001	<0.002	--	<50	1200
85-02-13	2.0	14	4.2	9	26	24	3.0	0.002	0.002	--	<50	1500
85-04-12	2.0	16	7.5	--	25	28	7.0	0.002	0.003	--	200	1300
85-05-25	2.3	22	8.5	25	38	29	7.3	0.002	0.002	--	100	1800
85-07-20	2.2	72	7.4	21	36	26	6.8	0.001	<0.002	--	500	1700
85-08-23	2.4	22	6.2	24	34	27	7.1	0.001	<0.002	--	200	1800
85-08-27	2.0	20	4.2	9	32	18	4.4	0.001	--	--	100	1000
85-07-31	1.1	7.2	2.2	2	13	7.9	8.1	<0.001	<0.001	--	100	140
85-08-21	0.60	18	1.8	27	7.7	80	1.1	0.005	--	--	<50	<20
85-07-28	2.5	38	4.0	74	26	52	1.4	0.001	--	--	14000	3500
DATE OF SAMPLE	ZINC, DIS-SOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)										
84-10-29	--	--										
84-11-13	--	--										
85-01-30	--	--										
85-02-13	--	--										
85-04-12	--	--										
85-05-25	--	--										
85-07-20	--	--										
85-08-23	--	--										
85-08-27	--	--										
85-07-31	--	--										
85-08-21	--	--										
85-07-28	--	--										

QUALITY OF GROUND WATER

301

WATER QUALITY DATA, WATER YEAR OCTOBER 1984 TO SEPTEMBER 1985

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 (US/CM)	PH (STANDARD UNITS)	TEMPERATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)		
404451072563101		S 74496	112GLCLU	84-10-31	21	120	5.1	14.0	0.70	7.0		
			112GLCLU	84-11-19	21	127	5.2	13.5	0.60	7.5		
			112GLCLU	85-01-24	21	139	--	12.0	0.10	8.0		
			112GLCLU	85-02-05	21	142	5.1	12.0	0.40	9.0		
404507072563101		S 74497	112GLCLU	84-10-24	30	152	4.9	12.0	3.2	18		
			112GLCLU	84-10-31	30	143	5.2	12.5	2.7	18		
			112GLCLU	84-11-19	30	159	5.0	12.0	2.3	19		
			112GLCLU	85-01-24	30	149	--	12.5	1.2	14		
			112GLCLU	85-02-05	30	149	5.1	12.5	0.70	14		
			112GLCLU	85-07-23	30	129	4.7	12.0	0.90	13		
			112GLCLU	85-08-21	30	145	4.9	12.0	0.80	12		
DATE OF SAMPLE	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY FIELD (MG/L AS CAC03)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (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, DIS-SOLVED (UG/L AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	MANGANESE, DIS-SOLVED (UG/L AS MN)
84-10-31	2.5	18	2.4	8	28	24	0.61	0.001	0.002	--	<50	1600
84-11-19	2.5	18	2.4	8	26	23	0.71	0.002	0.010	--	<50	1900
85-01-24	3.1	21	2.7	--	26	26	1.3	0.003	<0.002	--	<50	2400
85-02-05	3.0	20	2.9	9	26	27	1.2	0.008	0.004	--	<50	2300
84-10-24	3.2	13	2.5	4	18	26	7.8	0.004	<0.002	--	200	40
84-10-31	3.2	14	2.6	6	19	26	7.7	0.001	0.002	--	<50	40
84-11-19	3.0	14	2.6	5	19	25	7.2	0.001	0.002	--	<50	40
85-01-24	2.3	14	4.4	--	26	24	2.3	0.001	<0.002	--	<50	80
85-02-05	2.1	17	4.3	9	24	26	2.5	<0.001	0.003	--	<50	50
85-07-23	2.2	15	2.6	3	21	26	2.0	0.001	0.001	--	<50	70
85-08-21	2.5	14	2.5	6	19	26	2.4	0.001	--	--	<50	60
DATE OF SAMPLE	ZINC, DIS-SOLVED (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)										
84-10-31	--	--										
84-11-19	--	--										
85-01-24	--	--										
85-02-05	--	--										
84-10-24	--	--										
84-10-31	--	--										
84-11-19	--	--										
85-01-24	--	--										
85-02-05	--	--										
85-07-23	--	--										
85-08-21	--	--										

Geological unit (aquifer):

- 112GLCLU - Upper glacial aquifer, Pleistocene age.
- 112GRDR - Gardiners clay, Pleistocene age.
- 112JMCO - Jameco gravel, Pleistocene age.
- 211LLYD - Lloyd aquifer, Cretaceous age.
- 211MGTY - Magothy aquifer, Cretaceous age.

INDEX

	Page		Page
Access to WATSTORE data.....	16	Dry mass, definition of.....	3
Accuracy of field data and computed results (stage and water-discharge records).....	13	East Meadow Brook, at East Meadow.....	76
Acknowledgments.....	iii	at Freeport.....	66-67
Acre-foot, definition of.....	3	at Uniondale.....	76
Algae, definition of.....	3	near Westbury.....	76
Algal growth, definition of.....	3	East Patchogue, Swan River at.....	48-49
Amityville Creek, at Amityville.....	75	East River, at Eastport.....	72
Aquifer, definition of.....	3	Euglenoids, definition of.....	6
Arrangement of records (water quality).....	14	Fecal coliform bacteria, definition of.....	3
Artificial substrate, definition of.....	8	Fecal streptococcal bacteria, definition of....	3
Ash mass, definition of.....	3	Fire algae, definition of.....	6
Aspatuck Creek, near Westhampton Beach.....	72	Forge River, at Moriches.....	72
Awixa Creek, at Islip.....	74	Freeport, East Meadow Brook at.....	66-67
Babylon, Carlls River at.....	59-60	Fresh Pond Outlet, at Baiting Hollow.....	71
Sampawams Creek at.....	57-58	at Fort Salonga.....	70
Bacteria, definition of.....	3	Gage height, definition of.....	5
Bay Shore, Penataquit Creek at.....	56, 74	Gaging station, definition of.....	5
Beaverdam Creek, at Westhampton.....	72	Gaging station records.....	31-69
Bed material, definition of.....	3	Gaging stations, List of, in downstream order..	vi
Bellmore Creek, at Bellmore.....	64-65	Glen Cove Creek, at Glen Cove.....	31-32
tributary, at North Wantagh.....	75	Green algae, definition of.....	6
near North Wantagh.....	75	Green Creek, at West Sayville.....	73
Big Fresh Pond Outlet, at North Sea.....	72	Ground-water, level data.....	77-148
Biochemical oxygen demand, definition of.....	3	quality of.....	149-301
Biomass, definition of.....	3	Ground-water level records, Explanation of....	15
Biomass pigment ratio, definition of.....	4	Hardness, definition of.....	5
Blue-green algae, definition of.....	6	Hydrograph, East Meadow Brook at Freeport.....	18
Bottom material, definition of.....	4	Nissequogue River near Smithtown.....	19
inside of.....		Well N 1259 at Plainedge.....	21
Calendar (1985 water year).....	front cover	Well S 4271 at Riverhead.....	20
Carlls River, at Babylon.....	59-60	Hydrologic bench mark station, definition of...	11
at Park Avenue, Babylon.....	74	Hydrologic unit, definition of.....	5
Carman Creek, at Amityville.....	75	Inch-pound units to	
Carmans River, at Middle Island.....	73	International System units (SI),	inside of
at South Haven.....	73	Factors for converting.....	back cover
at Yaphank.....	43-47	Instantaneous discharge, definition of.....	4
below Lower Lake, at Yaphank.....	73	Introduction.....	1
near Yaphank.....	73	Island Swamp Brook, at Lattingtown.....	70
Cascade Lakes Outlet, at Brightwaters.....	74	Islip, Champlin Creek at.....	55, 73
Cedar Swamp Creek, at Merrick.....	76	Kings County, ground-water levels in.....	77-78
Cells/volume, definition of.....	4	Lake Ronkonkoma Inlet, at Lake Ronkonkoma.....	73
Central Islip, Connetquot Brook at.....	51	Ligonee Brook, at Sag Harbor.....	72
Connetquot Brook near.....	52	Lindenhurst, Santapogue Creek at.....	61, 74
Cfs-day, definition of.....	4	Little River, near Riverhead.....	71
Champlin Creek, at Islip.....	55, 73	Little Seatuck Creek, at Eastport.....	72
at Montauk Highway, at Islip.....	74	Location of data collection stations (maps)....	22-30
Chemical oxygen demand, definition of.....	4	Low-flow partial-record stations,	
Chlorophyll, definition of.....	4	Discharge at.....	70-76
Classification of records (water quality).....	14	Malverne, Pines Brook at.....	68
Cold Spring Brook, at Cold Spring Harbor.....	35	Massapequa Creek, at Massapequa.....	62-63
Collection and computation of data		at North Massapequa.....	75
(stage and water-discharge records).....	11-13	at South Farmingdale.....	75
Collection of data		at Southern State Parkway, at South Farmingdale	75
(ground-water level records).....	15	Mean concentration (sediment), definition of...	7
Colloid, definition of.....	4	Mean discharge, definition of.....	4
Color unit, definition of.....	4	Methylene blue active substance, definition of.	5
Confined aquifer.....	4	Micrograms per gram, definition of.....	5
Connetquot Brook, at Central Islip.....	51	Micrograms per liter, definition of.....	5
near Central Islip.....	52	Mill Creek, at Noyack.....	72
near Oakdale.....	73	near Huntington.....	70
Connetquot River, near Oakdale.....	53-54	Mill Neck Creek, at Mill Neck.....	33-34
Contents, definition of.....	4	Millburn Creek, at Baldwin.....	76
Control, definition of.....	4	Milligrams per liter, definition of.....	5
Control structure, definition of.....	4	Motts Creek, at Valley Stream.....	76
Cooperation.....	2	Mud Creek, at East Patchogue.....	73
Cubic feet per second per square mile,		Nassau County, ground-water levels in.....	79-102
definition of.....	4	quality of ground-water in.....	152-195
Cubic foot per second, definition of.....	4	National Geodetic Vertical Datum of 1929,	
Definition of terms.....	3-9	definition of.....	5
Descriptive headings (water quality).....	14	National stream-quality accounting network	
Diatoms, definition of.....	6	stations.....	36-40, 43-47
Discharge, definition of.....	4	definition of.....	11
Dissolved, definition of.....	4		303
Diversity index, definition of.....	5		
Downstream order and station numbers.....	10		
Drainage area, definition of.....	5		
Drainage basin, definition of.....	5		

	Page		Page
Natural substrates, definition of.....	8	Sediment, definition of.....	7
Neguntatogue Creek, at Lindenhurst.....	75	Smithtown, Nissequogue River near.....	36-40
Newbridge Creek, at Merrick.....	75	Solute, definition of.....	7
Nissequogue River, near Hauppauge.....	71	South Pond Outlet, at Rockville Centre.....	76
at Smithtown.....	71	Special networks and programs.....	11
near Smithtown.....	36-40	Specific conductance, definition of.....	7
Northeast branch, near East Hauppauge.....	70	Speonk River, at Speonk.....	72
near Hauppauge.....	70	Stage and water-discharge records,	
at Smithtown.....	70	Explanation of.....	11-14
near Smithtown.....	71	Stage-discharge relation, definition of.....	7
Numbering system for wells.....	10	Stony Brook at Stony Brook.....	71
		Stony Hollow Run, at Centerport.....	70
Oakdale, Connetquot River near.....	53-54	Streamflow, definition of.....	8
Organic Carbon, definition of.....	5	Strong's Creek, at Lindenhurst.....	75
Organic mass, definition of.....	3	Substrate, definition of.....	8
Organism, definition of.....	5	Suffolk County, ground-water levels in.....	108-148
Organism count/area, definition of.....	5	quality of ground-water in.....	198-247
Organism count/volume, definition of.....	6	Well Index.....	196
Other data available (stage and water-discharge		Summary of hydrologic conditions.....	2
records).....	13	Surface area, definition of.....	8
Pardees Ponds Outlet, at Islip.....	74	Surficial bed material, definition of.....	8
Partial-record station, definition of.....	6	Suspended, definition of.....	8
Partial-record stations and miscellaneous		Suspended, recoverable, definition of.....	8
sites, Discharge at.....	70-76	Suspended sediment, definition of.....	7
Particle-size, definition of.....	6	Suspended-sediment concentration,	
Particle-size classification, definition of....	6	definition of.....	7
Patchogue River, at Patchogue.....	50, 73	Suspended-sediment discharge, definition of....	7
near Patchogue.....	73	Suspended, total, definition of.....	8
Peconic River, at Manorville.....	71	Swan River, at East Patchogue.....	48-49
at Nugent Drive, at Riverhead.....	71		
at Riverhead.....	41-42	Taxonomy, definition of.....	8
Penataquit Creek, at Bay Shore.....	56, 74	Time-weighted average, definition of.....	8
Percent composition, definition of.....	6	Tons per acre-foot, definition of.....	9
Periphyton, definition of.....	6	Tons per day, definition of.....	9
Pesticide program, definition of.....	11	Total (as used in tables of chemical analyses),	
Pesticides, definition of.....	6	definition of.....	9
Phytoplankton, definition of.....	6	Total coliform bacteria, definition of.....	3
Picocurie, definition of.....	6	Total in bottom material, definition of.....	4
Pines Brook, at Malverne.....	68	Total load, definition of.....	9
Plankton, definition of.....	6	Total organic carbon, definition of.....	9
Polychlorinated biphenyls, definition of.....	7	Total organism count, definition of.....	6
Polychlorinated naphthalenes, definition of....	7	Total, recoverable, definition of.....	9
Poxabogue Pond, at Sagaponack.....	72	Total sediment discharge, definition of.....	7
Preface.....	iii	Unnamed tributary, to Conscience Bay at	
Primary productivity, definition of.....	7	Setauket.....	71
Publications on techniques of water-resources		to Port Jefferson Harbor at Port Jefferson...	71
investigations.....	17	to Setauket Harbor at East Setauket.....	71
Quantuck Creek, at Quogue.....	72	Valley Stream, at Valley Stream.....	69
Queens County, ground-water levels in.....	103-107	below West Branch, at Valley Stream.....	76
Radiochemical program, definition of.....	11	Wading River, at Wading River.....	71
Rattlesnake Brook, near Oakdale.....	73	Water analysis.....	14
Recoverable from bottom material,		Water-discharge records, Explanation of,	
definition of.....	4	(see Stage and water-discharge records,	
Revisions (water quality).....	14	Explanation of)	
Riverhead, Peconic River at.....	41-42	Water-quality records, Explanation of.....	14-15
Roslyn Brook, at Roslyn.....	70	Water table.....	9
Runoff in inches, definition of.....	7	Water-table aquifer.....	9
		Water temperatures.....	15
Sampawams Creek, at Babylon.....	57-58	Weesuck Creek, at East Quogue.....	72
below Hawleys Lake, at Babylon.....	74	Weighted average, definition of.....	9
near Deer Park.....	74	Wells, system for numbering.....	10
near North Babylon.....	74	Wet mass, definition of.....	3
Santapogue Creek, at Lindenhurst.....	61, 74	White Brook, at Riverhead.....	71
at State Highway 27A, Lindenhurst.....	74	Whitney Lake Outlet, at Manhasset.....	70
Seaford Creek, at Seaford.....	75	WRD, definition of.....	9
Seamans Creek, at Seaford.....	75	WSP, definition of.....	9
Seatuck Creek, at Eastport.....	72		
Sediment.....	15	Yaphank, Carmans River at.....	43-47
		Zooplankton, definition of.....	7

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
<i>Length</i>		
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)
<i>Area</i>		
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)
<i>Volume</i>		
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)
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)
<i>Flow</i>		
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)
<i>Mass</i>		
tons (short)	9.072×10^{-1}	megagrams (Mg) or metric tons

USGS LIBRARY - RESTON



POSTAGE AND FEES PAID
U.S. DEPARTMENT OF THE INTERIOR
INT 413

U.S. DEPARTMENT OF THE INTERIOR
Geological Survey
5 Aerial Way
Syosset, NY 11791



OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE \$300
SPECIAL 4TH CLASS BOOK RATE