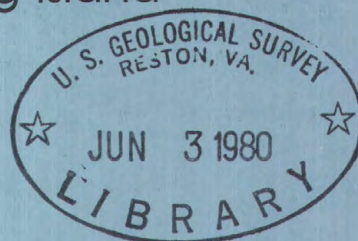


R  
(200)  
Ga3  
NEW YORK  
1979  
v. 2



# Water Resources Data for New York

Volume 2. Long Island



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT NY-79-2

## WATER YEAR 1979

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

R  
(200)  
GA3  
NEW YORK  
1979  
v. 2



# CALENDAR FOR WATER YEAR 1979

1 9 7 8

## O C T O B E R

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				

## N O V E M B E R

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		

## D E C E M B E R

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						

1 9 7 9

## J A N U A R Y

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			

## F E B R U A R Y

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			

## M A R C H

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

## A P R I L

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					

## M A Y

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		

## J U N E

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

## J U L Y

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				

## A U G U S T

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	

## S E P T E M B E R

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 for New York

Volume 2. Long Island

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT NY-79-2

WATER YEAR 1979

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



UNITED STATES DEPARTMENT OF THE INTERIOR

CECIL D. ANDRUS, Secretary

GEOLOGICAL SURVEY

H. W. Menard, Director

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

or  
For information on the water program in Long Island write to  
Hydrologist-in-Charge, Long Island Program  
Water Resources Division  
U.S. Geological Survey  
5 Aerial Way  
Syosset, New York 11791



#### PREFACE

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

This report is one of a series issued by State. General direction for the series is by Philip Cohen, Chief Hydrologist, U.S. Geological Survey, and S. M. Lang, Acting Assistant Chief Hydrologist for Scientific Publications and Data Management.

Data for New York are in two volumes as follows:

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



REPORT DOCUMENTATION PAGE	1. REPORT NO. USGS/WRD/HD-80/027	2.	3. Recipient's Accession No.
4. Title and Subtitle Water Resources Data for New York, Water Year 1979 Volume 2. Long Island		5. Report Date April 1980	
7. Author(s)		6.	
9. Performing Organization Name and Address U.S. Geological Survey, Water Resources Division U.S. Post Office and Courthouse P.O. Box 1350 Albany, New York 11201		8. Performing Organization Rept. No. USGS-WDR-79-2	
12. Sponsoring Organization Name and Address U.S. Geological Survey, Water Resources Division U.S. Post Office and Courthouse P. O. Box 1350 Albany, New York 11201		10. Project/Task/Work Unit No.	
		11. Contract(C) or Grant(G) No. (C) (G)	
		13. Type of Report & Period Covered Annual - Oct. 1, 1978 to Sept. 30, 1979	
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 1979 water year for New York consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; water quality of precipitation; and water levels and water quality of ground water wells. This volume contains records for water discharge at 17 gaging stations; water quality at 17 gaging stations, 610 wells, and 3 precipitation stations; and water levels at 130 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 Volume 1 represent that part of the National Water Data System operated by the U.S. Geological Survey in cooperation with State, Federal, and other agencies in New York.			
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 312
		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
Acknowledgments.....	2
Hydrologic conditions.....	3
Definition of terms.....	4
Downstream order and station numbers.....	11
Numbering system for wells.....	11
Special networks and programs.....	12
Explanation of stage and water-discharge records.....	12
Collection and computation of data.....	12
Accuracy of field data and computed results.....	14
Other data available.....	15
Explanation of water-quality records.....	15
Classification of Records.....	15
Arrangement of Records.....	15
Descriptive Headings.....	15
Water analysis.....	15
Water temperatures.....	16
Sediment.....	16
Explanation of ground-water level records.....	16
Collection of data.....	16
Publications on techniques of water-resources investigations.....	17
Gaging station records.....	31
Discharge at partial-record stations and miscellaneous sites.....	84
Low-flow partial-record stations.....	84
Low-flow seepage investigation.....	92
Analyses of samples collected at precipitation-quality stations.....	102
Ground-water records.....	105
Ground-water level records.....	105
Quality of ground-water records.....	203
Quality of ground-water records, Suffolk County Well Index.....	226
Appendix.....	299
Index.....	305

# ILLUSTRATIONS

Figure 1. System for numbering wells.....	11
2. Hydrographic comparisons, East Meadow Brook at Freeport.....	18
3. Hydrographic comparisons, Nissequogue River near Smithtown.....	19
4. Hydrographs, water-table well N 8959 at East Meadow and water table well well S 4271 at Riverhead.....	20
5. Hydrograph of water-table observation well N 1259 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 U.S. Customary 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 (dcbs).....	36
Peconic River at Riverhead (dcbs).....	46
Carmans River at Yaphank (dcbs).....	56
Swan River at East Patchogue (dct).....	61
Patchogue River at Patchogue (ct).....	63
Connetquot Brook at Central Islip (d).....	64
Connetquot Brook near Central Islip (d).....	65
Connetquot River near Oakdale (dct).....	66
Champlin Creek at Islip (ct).....	68
Penataquit Creek at Bay Shore (ct).....	69
Sampawans Creek at Babylon (dct).....	70
Carlls River at Babylon (dct).....	72
Santapogue Creek at Lindenhurst (ct).....	74
Massapequa Creek at Massapequa (dct).....	75
Bellmore Creek at Bellmore (dct).....	77
East Meadow Brook at Freeport (dct).....	79
Pines Brook at Malverne (dct).....	81
Valley Stream at Valley Stream (d).....	83



WATER RESOURCES DATA FOR NEW YORK, 1979  
Volume 2.--Long Island

INTRODUCTION

Water resources data for the 1979 water year for New York consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; water quality of precipitation; and water levels and water quality of ground water wells. This volume contains records for water discharge at 17 gaging stations; water quality at 17 gaging stations, 610 wells, and 3 precipitation stations; and water levels at 130 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 Volume 1 represent that part of the National Water Data System operated by the U.S. Geological Survey in cooperation with State, Federal, and other agencies in New York.

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

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

Beginning with the 1975 water year, water data for streamflow, water quality, and ground water are published in official Survey reports on a State-boundary basis. These official Survey reports carry an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this volume is identified as "U.S. Geological Survey Water-Data Report NY79-2". For archiving and general distribution, the reports for water years 1971-74 are also identified as water-data reports. These water-data reports are for sale, in paper copy or in microfiche, by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

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

## COOPERATION

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

New York State Department of Environmental Conservation, Robert F. Flacke, commissioner.  
County of Nassau, Department of Public Works, M. R. Pender, commissioner.  
County of Suffolk, Department of Health Services, Dr. David Harris, commissioner.  
County of Suffolk, Water Authority, R. J. Flynn, chairman.

The following organizations aided in collecting records:

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

## ACKNOWLEDGMENT

Preparation of the Long Island volume of the New York Water Resources Data Report was supervised by Anthony G. Spinello. Others who contributed significantly were James G. Carcaci, James H. Nakao, William J. Flipse, Jr., Cynthia D. Donaldson and Elizabeth A. Montano.



## HYDROLOGIC CONDITIONS

The 1979 water year was marked by above average precipitation which produced record high ground-water levels and surface flooding in many areas. Although ground-water levels fluctuated throughout the year in accordance with the normal seasonal pattern (figures 4 and 5), water levels in most areas were at the highest levels observed since 1962; in some long-term observation wells, water levels were higher than they had been since the mid 1930's. Streamflow was above average for most of the year (figures 2 and 3), and several streams had record-high peak discharges. In general, the water-level and streamflow records indicate a complete recovery from the 1962-66 drought and the possible beginning of a wetter-than-normal period for Long Island. The inorganic chemical quality of precipitation, surface water, and ground water showed no significant change from previous years.

The water surfaces of most lakes on Long Island are controlled by the altitude of the water-table adjacent to the lakes. High ground-water levels therefore result in high lake levels. During the 1979 water year, several lakes had record high levels that caused flooding in many homes and left roads impassable for long periods of time. Lake Ronkonkoma is one such lake and its water-level fluctuation is reflected in the water levels in well S 1811 (page 154). This well, located on the "normal" shore of the lake was partially submerged throughout the water year. Lake Ronkonkoma has no natural outlet, nor do most of the natural lakes on Long Island, so that artificial lowering of ground-water levels in the vicinity of the lake would be required to alleviate the flooding.

A storm occurring on January 21 caused the failure of a dam on the Nissequogue River the following day. Although the resulting peak discharge far exceeded anything previously observed at the gaging station downstream from the dam, property damage was minimized because the river primarily flows through parkland. Also, during this storm, Cold Spring Brook, Carlls River and Valley Stream reached the highest peak discharges recorded for their period of record, and the maximum peak and daily discharges for the year occurred at all the monitored streams on Long Island, except the Peconic River which has regulation.

During the 1979 water year, data were collected on the organic quality of ground water in a 1-square mile area surrounding a proposed artificial-recharge site. Pesticide analyses of water from 44 wells in this area are included in this report on pages 214-219. Water from 22 wells contained Dieldrin (an organochlorine insecticide) and 5 of these also contained PCB (polychlorinated biphenyl). Although concentrations are generally greatest in water from the upper glacial aquifer, the data show that contaminated water has moved downward into the upper part of the Magothy aquifer.

## NOTICE

During the previous water year (1978), revisions were made in the terminology used to define 139 of the water-quality parameter codes that have been used by the Geological Survey in its publication of water-quality data and its WATSTORE data system. These revisions were made to achieve consistency in terminology and to conform to a joint USGS-EPA agreement on terminology. They do not represent a change in the way the codes have been used in the past or in the association of specific code numbers with identified analytical procedures.

Use of the new terminology began with data for the 1978 water year, and therefore, it first appears in that publication. Definitions on which the terminology is based are included in the "Definitions" section of this report, and a table showing both old and new terminology is attached as an appendix to the report.

## DEFINITION OF TERMS

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

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

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

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

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

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

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

Total coliform bacteria are a particular group of bacteria that are used as indicators of possible sewage pollution. They are characterized as aerobic or facultative anaerobic, gram-negative, nonspore-forming, rod-shaped bacteria which ferment lactose with gas formation within 48 hours at 35°C. In the laboratory these bacteria are defined as the organisms which produce colonies within 24 hours when incubated at 35°C  $\pm$  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/m<sup>3</sup>), and periphyton and benthic organisms in grams per square meter (g/m<sup>2</sup>).

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Cubic foot per second (FT<sup>3</sup>/S, ft<sup>3</sup>/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  $\mu$ 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 ( $\text{CaCO}_3$ ).

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 ( $\mu\text{g/L}$ ,  $\mu\text{g/L}$ ) 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 ( $\text{MG/L}$ ,  $\text{mg/L}$ ) 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  $\text{mg/L}$ , 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 ( $\text{m}^2$ ), 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 ( $1 \times 10^{12}$ ) of the amount of radioactivity represented by a curie (Ci). A curie is the amount of radioactivity that yields  $3.7 \times 10^{10}$  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  $\text{mg C}/(\text{m}^3 \cdot \text{time})$  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  $\text{mg O}_2/(\text{m}^3 \cdot \text{time})$  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 planimeted. All areas shown are those for the stage when the planimeted 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  $\mu$ m 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  $\mu$ m 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  $\mu$ m 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.

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.

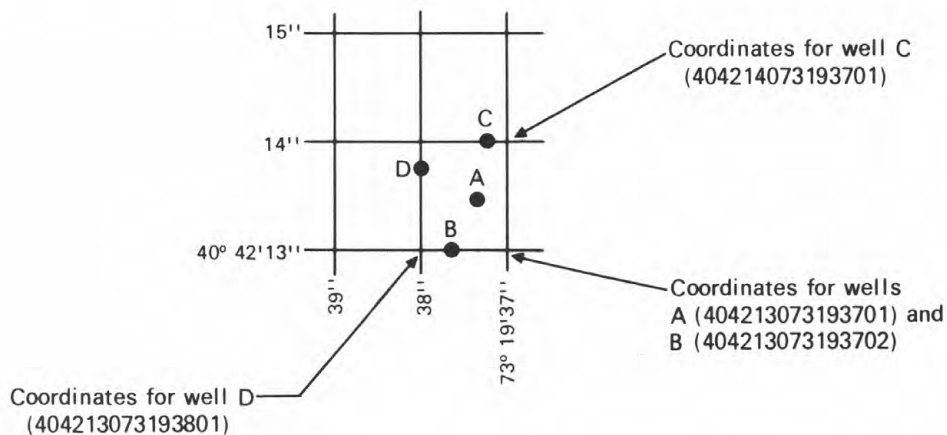


Figure 1. System for numbering wells (latitude and longitude).

## 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 888, and in U.S. Geological Survey Techniques of Water Resources Investigations, book 3, chapter A6.

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

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

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



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

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

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

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

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

Previously published streamflow records of some stations have been found to be in error on the basis of data or information later obtained. Revisions of such records are usually published along with the current records in one of the annual or compilation reports. In order to make it easier to find such revised records, a paragraph headed "REVISED RECORDS" has been added to the description of all stations for which revised records have been published. Listed therein are all the reports in which revisions have been published, each followed by the water years for which figures are revised in that report. In listing the water years only one number is given; for instance, 1965 stands for the water year October 1, 1964, to September 30, 1965. If no daily, monthly or annual figures of discharge are affected by the revision, the fact is brought out by notations after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)" that only the instantaneous minimum was revised; and "(P)" that only peak discharges were revised. If the drainage area has been revised, the report in which the revised figure was first published is given. It should be noted that for 11 stations for which cubic feet per second per square mile and runoff in inches are published, a revision of the drainage area necessitates corresponding revision of all figures based on the drainage area. Revised figures of cubic feet per second per square mile and runoff in inches resulting from a revision of the drainage area only are usually not published in the annual series of reports.

The type of gage currently in use; the datum of the present gage referred to National Geodetic Vertical Datum; and a condensed history of the types, locations, and datums of previous gages used during the period of record are given under "GAGE." National Geodetic Vertical Datum is explained in "DEFINITION OF TERMS" on page 6.

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

The average discharge for the number of years indicated is given under "AVERAGE DISCHARGE"; it is not given for stations having fewer than 5 complete years of record or for stations where changes in water development during the period of record cause the figure to have little significance. In addition, the median of yearly mean discharges is given for stream-gaging stations having 10 or more complete years of record if the median differs from the average by more than 10 percent. Under "EXTREMES" are given first, the extremes for the period of record, second, information available outside the period of record, and last, those for the current year. Unless otherwise qualified, the maximum discharge (or contents) is the instantaneous maximum corresponding to the crest stage obtained by use of a water-stage recorder (graphic or digital), a crest-stage gage, or a nonrecording gage read at the time of the crest. If the maximum gage height did not occur on the same day as the maximum discharge (or contents), it is given separately. Similarly, the minimum is the instantaneous minimum

unless otherwise qualified. For some stations peak discharges are listed with "EXTREMES FOR THE CURRENT YEAR"; if they are, all independent peaks, including the maximum for the year, above the selected base with the time of occurrence and corresponding gage heights are published in tabular format. The base discharge, which is given in the table heading, is selected so that an average of about three peaks a year will be presented. Peak discharges are not published for any canals, ditches, drains, or for any stream for which the peaks are subject to substantial control by man. Time of day is expressed in 24-hour local standard time; for example, 12:30 a.m. is 0030, 1:30 p.m. is 1330. The minimums for these stations are published in a separate paragraph following the table of peaks.

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

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

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

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

#### Accuracy of Field Data and Computed Results

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

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

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

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

### Other Data Available

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

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

## EXPLANATION OF WATER-QUALITY RECORDS

### Classification of Records

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

### Arrangement of Records

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

### Descriptive Headings

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

### Water Analysis

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

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

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



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

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

#### Water Temperatures

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

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

#### Sediment

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

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

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

### EXPLANATION OF GROUND-WATER LEVEL RECORDS

#### Collection of Data

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

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

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

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

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



## PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

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

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

- 1-D1. *Water temperature-influential factors, field measurement, and data presentation*, by H. H. Stevens Jr., J. F. Ficke, and G. F. Smoot: USGS--TWRI Book 1, Chapter D1. 1975. 65 pages.
- 1-D2. *Guidelines for collection and field analysis of ground-water samples for selected unstable constituents*, by W. W. Wood: USGS--TWRI Book 1, Chapter D2. 1976. 24 pages.
- 2-D1. *Application of surface geophysics to ground-water investigations*, by A. A. R. Zohdy, G. P. Eaton, and D. R. Mabey: USGS--TWRI Book 2, Chapter D1. 1974. 116 pages.
- 2-E1. *Application of borehole geophysics to water-resources investigations*, by W. S. Keys and L. M. MacCary: USGS--TWRI Book 2, Chapter E1. 1971. 126 pages.
- 3-A1. *General field and office procedures for indirect discharge measurements*, by M. A. Benson and Tate Dalrymple: USGS--TWRI Book 3, Chapter A1. 1967. 30 pages.
- 3-A2. *Measurement of peak discharge by the slope-area method*, by Tate Dalrymple and M. A. Benson: USGS--TWRI Book 3, Chapter A2. 1967. 12 pages.
- 3-A3. *Measurement of peak discharge at culverts by indirect methods*, by G. L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages.
- 3-A4. *Measurement of peak discharge at width contractions by indirect methods*, by H. F. Matthai: USGS--TWRI Book 3, Chapter A4. 1967. 44 pages.
- 3-A5. *Measurement of peak discharge at dams by indirect methods*, by Harry Hulsing: USGS--TWRI Book 3, Chapter A5. 1967. 29 pages.
- 3-A6. *General procedure for gaging streams*, by R. W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6. 1968. 13 pages.
- 3-A7. *Stage measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages.
- 3-A8. *Discharge measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages.
- 3-A11. *Measurement of discharge by moving-boat method*, G. F. Smoot and C. E. Novak: USGS--TWRI Book 3, Chapter A11. 1969. 22 pages.
- 3-B1. *Aquifer-test design, observation, and data analysis*, by R. W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages.
- 3-B2. *Introduction to ground-water hydraulics, a programed text for self-instruction*, by G. D. Bennett: USGS--TWRI Book 3, Chapter B2. 1976. 172 pages.
- 3-C1. *Fluvial sediment concepts*, by H. P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.
- 3-C2. *Field methods for measurement of fluvial sediment*, by H. P. Guy and V. W. Norman: USGS--TWRI Book 3, Chapter C2. 1970. 59 pages.
- 3-C3. *Computation of fluvial-sediment discharge*, by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages.
- 4-A1. *Some statistical tools in hydrology*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages.
- 4-A2. *Frequency curves*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages.
- 4-B1. *Low-flow investigations*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972. 18 pages.
- 4-B2. *Storage analyses for water supply*, by H. C. Riggs and C. H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages.
- 4-B3. *Regional analyses of streamflow characteristics*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages.
- 4-D1. *Computation of rate and volume of stream depletion by wells*, by C. T. Jenkins: USGS--TWRI Book 4, Chapter D1. 1970. 17 pages.
- 5-A1. *Methods for determination of inorganic substances in water and fluvial sediments*, by M. W. Skougstad and others, editors: USGS--TWRI Book 5, Chapter A1. 1979. 626 pages.
- 5-A2. *Determination of minor elements in water by emission spectroscopy*, by P. R. Barnett and E. C. Mallory, Jr.: USGS--TWRI Book 5, Chapter A2. 1971. 31 pages.
- 5-A3. *Methods for analysis of organic substances in water*, by D. F. Goerlitz and Eugene Brown: USGS--TWRI Book 5, Chapter A3. 1972. 40 pages.
- 5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples*, edited by P. E. 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.
- 8-A1. *Methods of measuring water levels in deep wells*, by M. S. Garber and F. C. Koopman: USGS--TWRI Book 8, Chapter A1. 1968. 23 pages.
- 8-B2. *Calibration and maintenance of vertical-axis type current meters*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages.

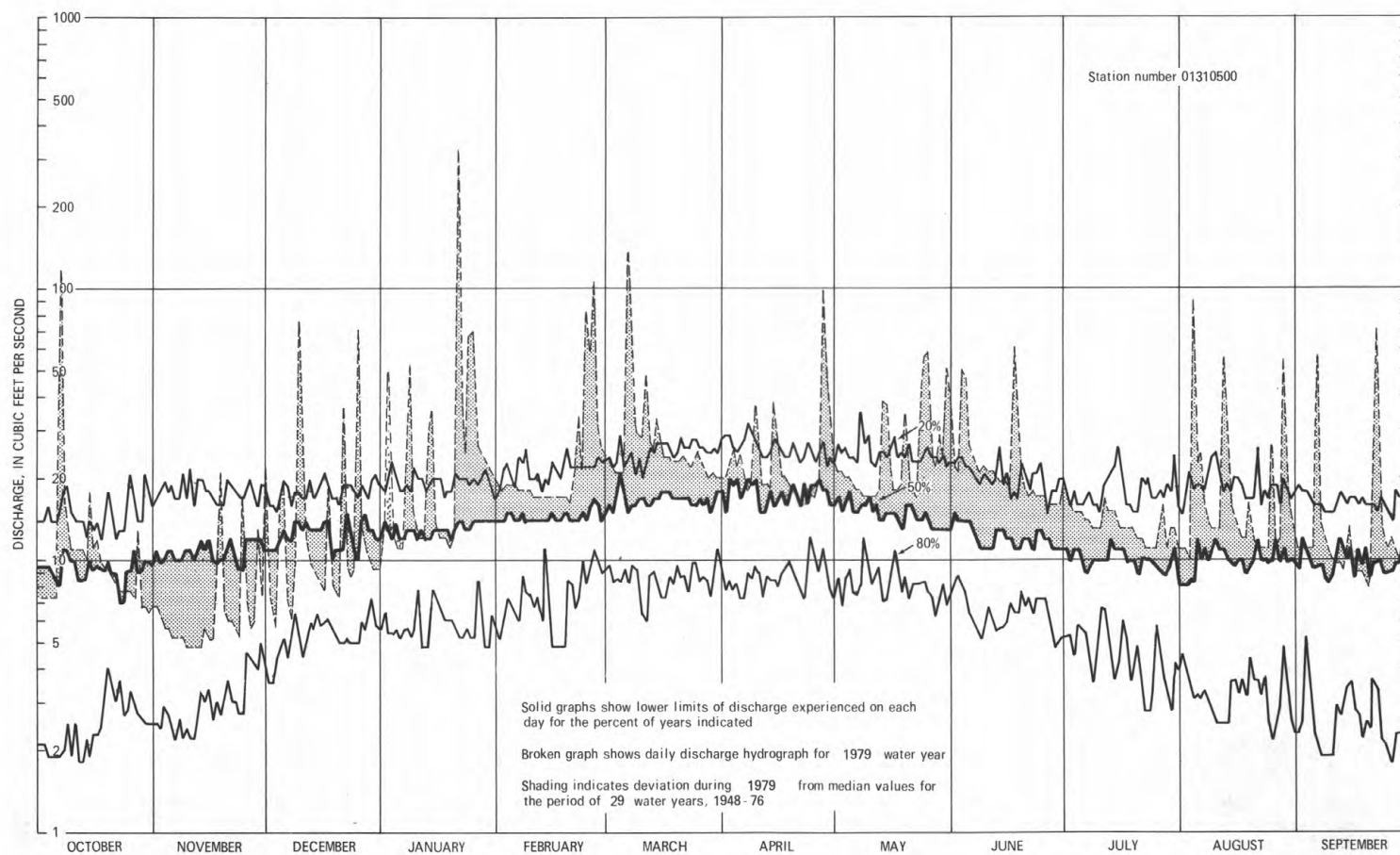


Figure 2.--Hydrographic Comparisons, East Meadow Brook at Freeport.

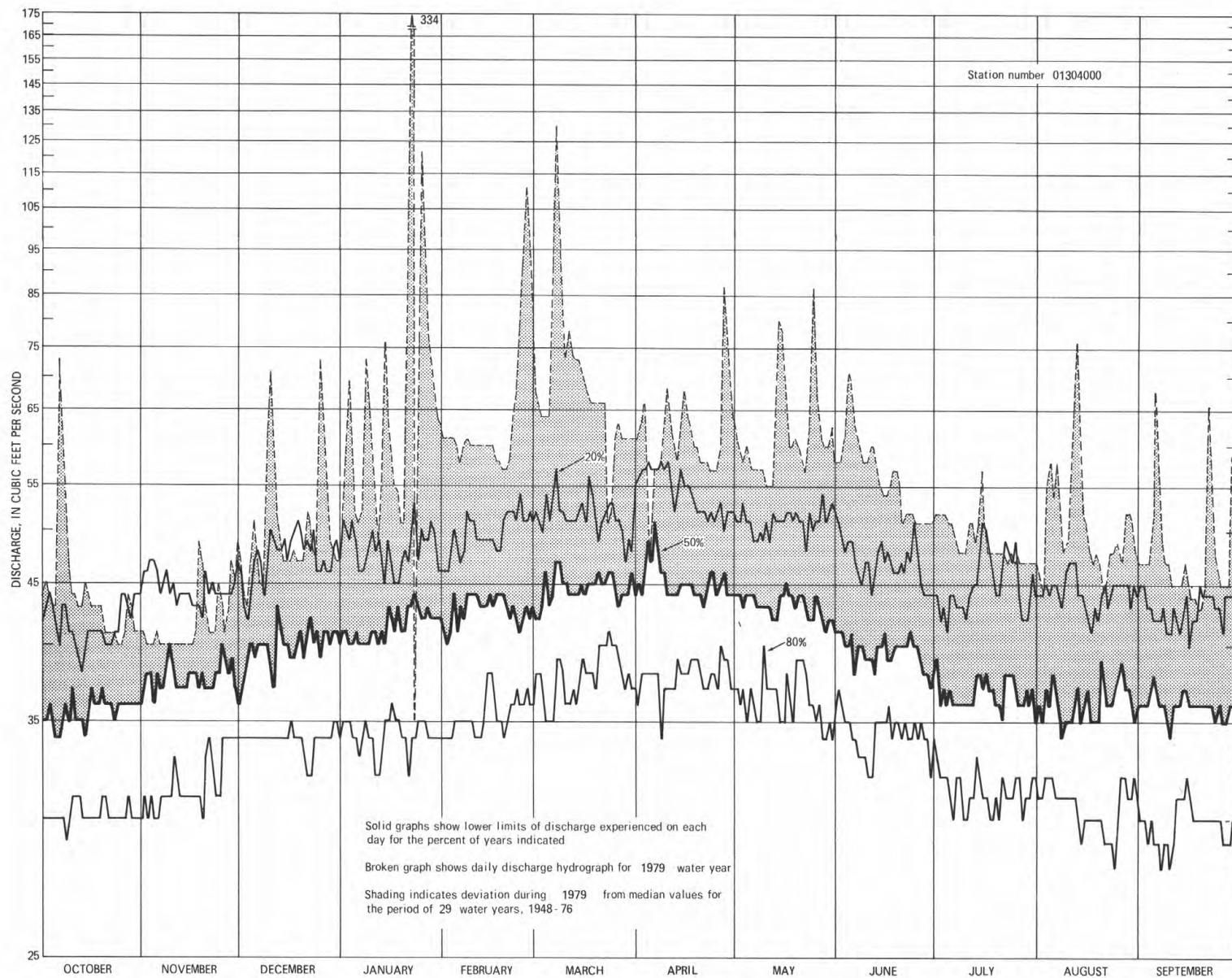


Figure 3.--Hydrographic Comparisons, Nissequogue River near Smithtown.

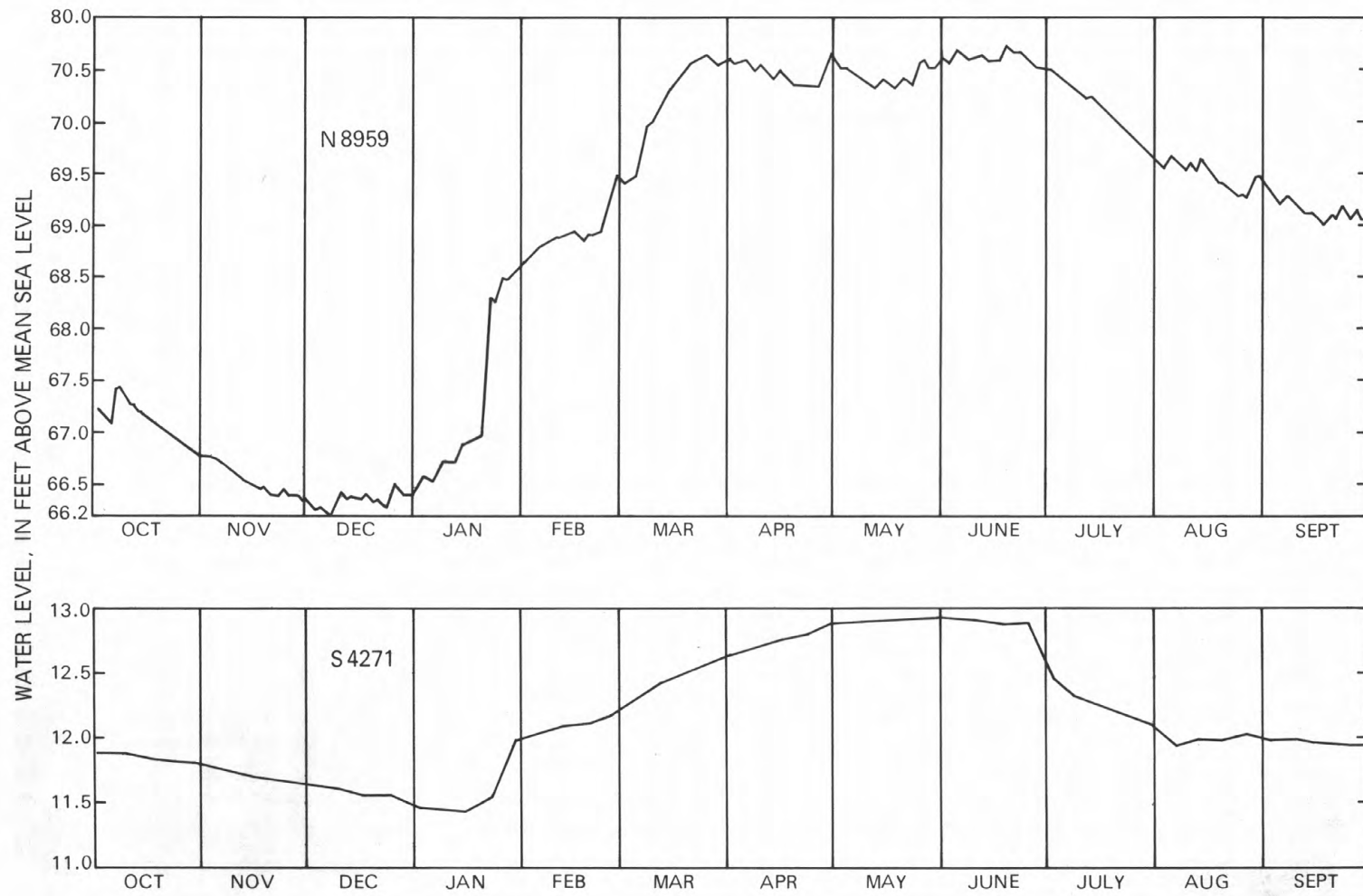


Figure 4.--Hydrographs of water-table well N8959 at East Meadow and water-table well S4271 at Riverhead.



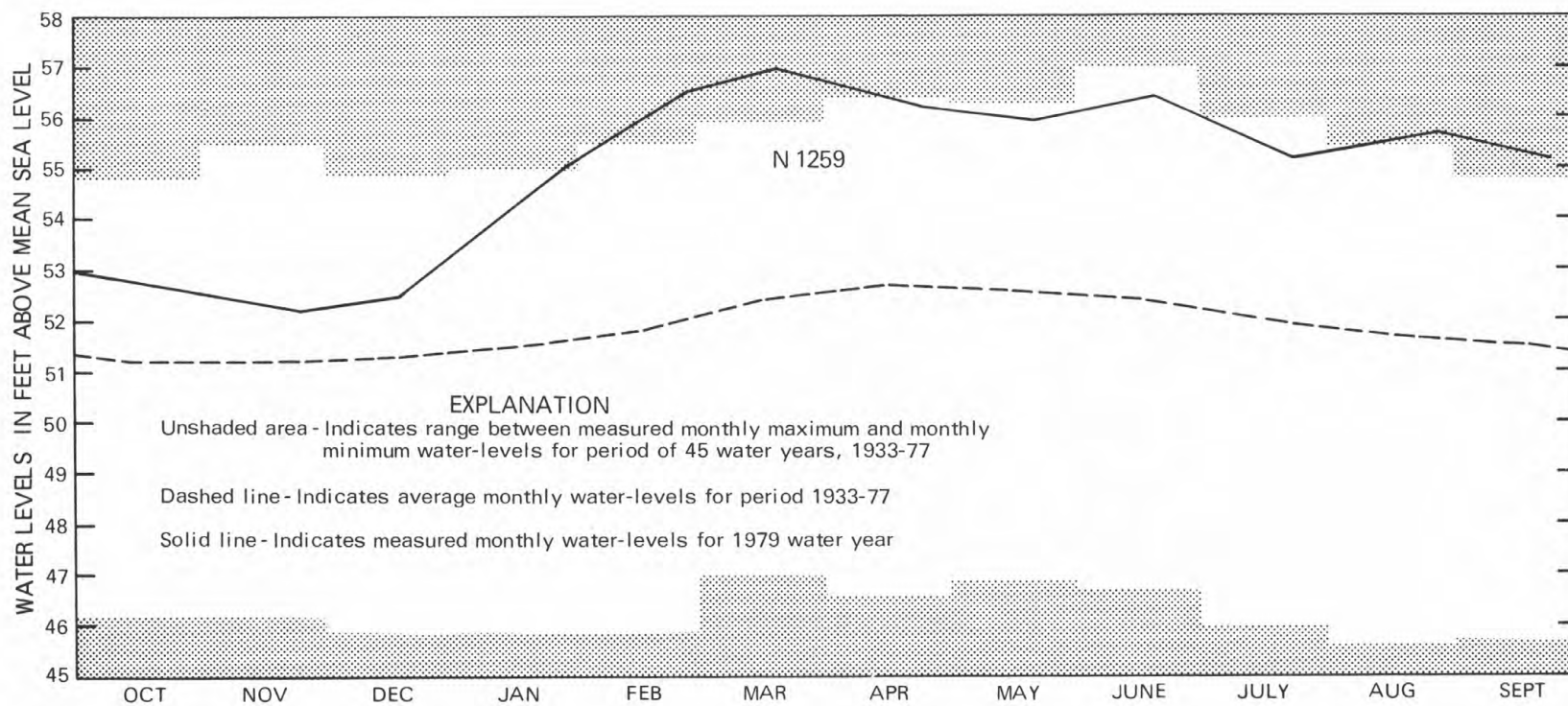


Figure 5.--Hydrograph of water-table observation well N1259 at Plainedge.

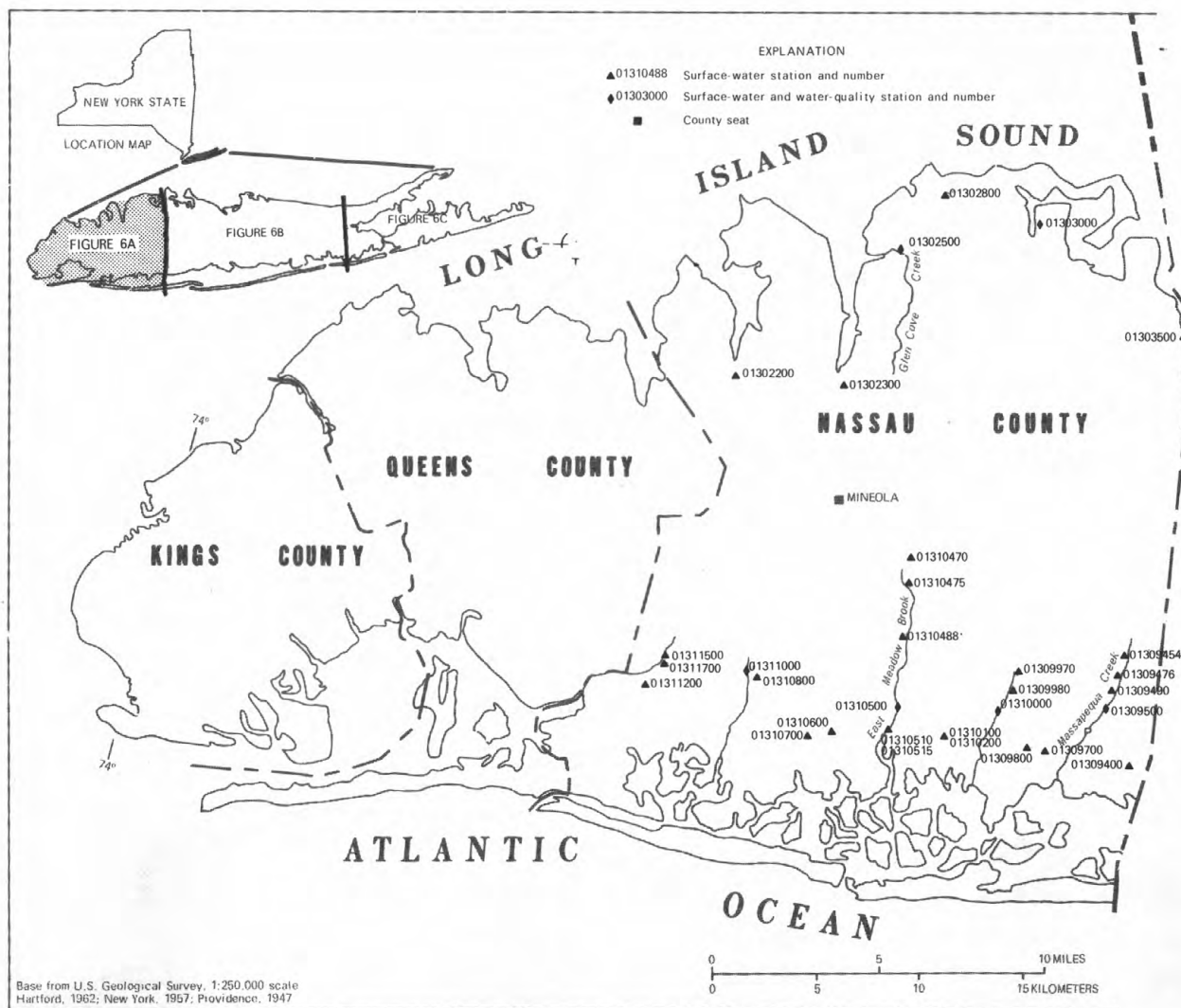


FIGURE 6A.-- LOCATION OF SURFACE-WATER DATA COLLECTION STATIONS

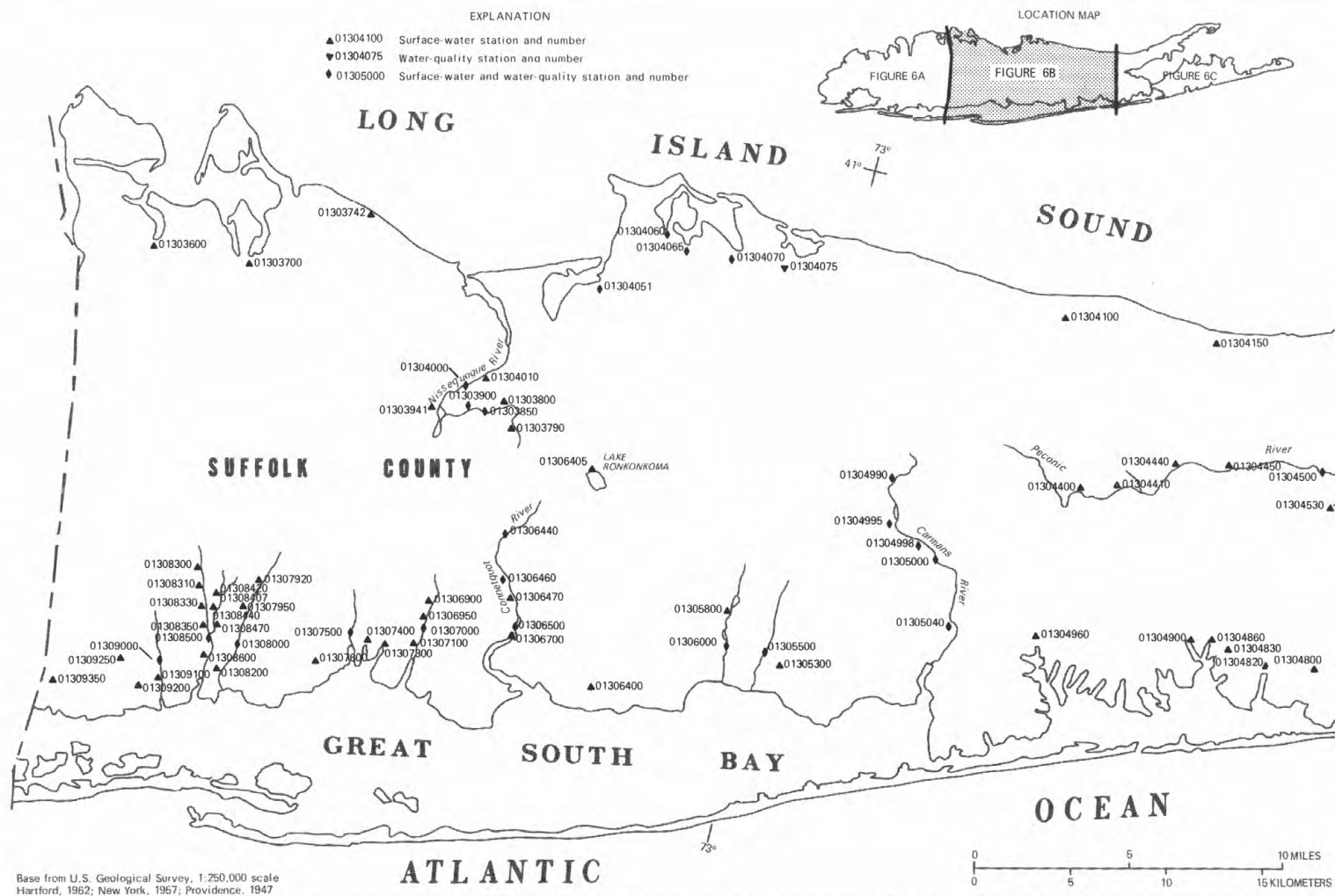


FIGURE 6B.-- LOCATION OF SURFACE-WATER DATA COLLECTION STATIONS

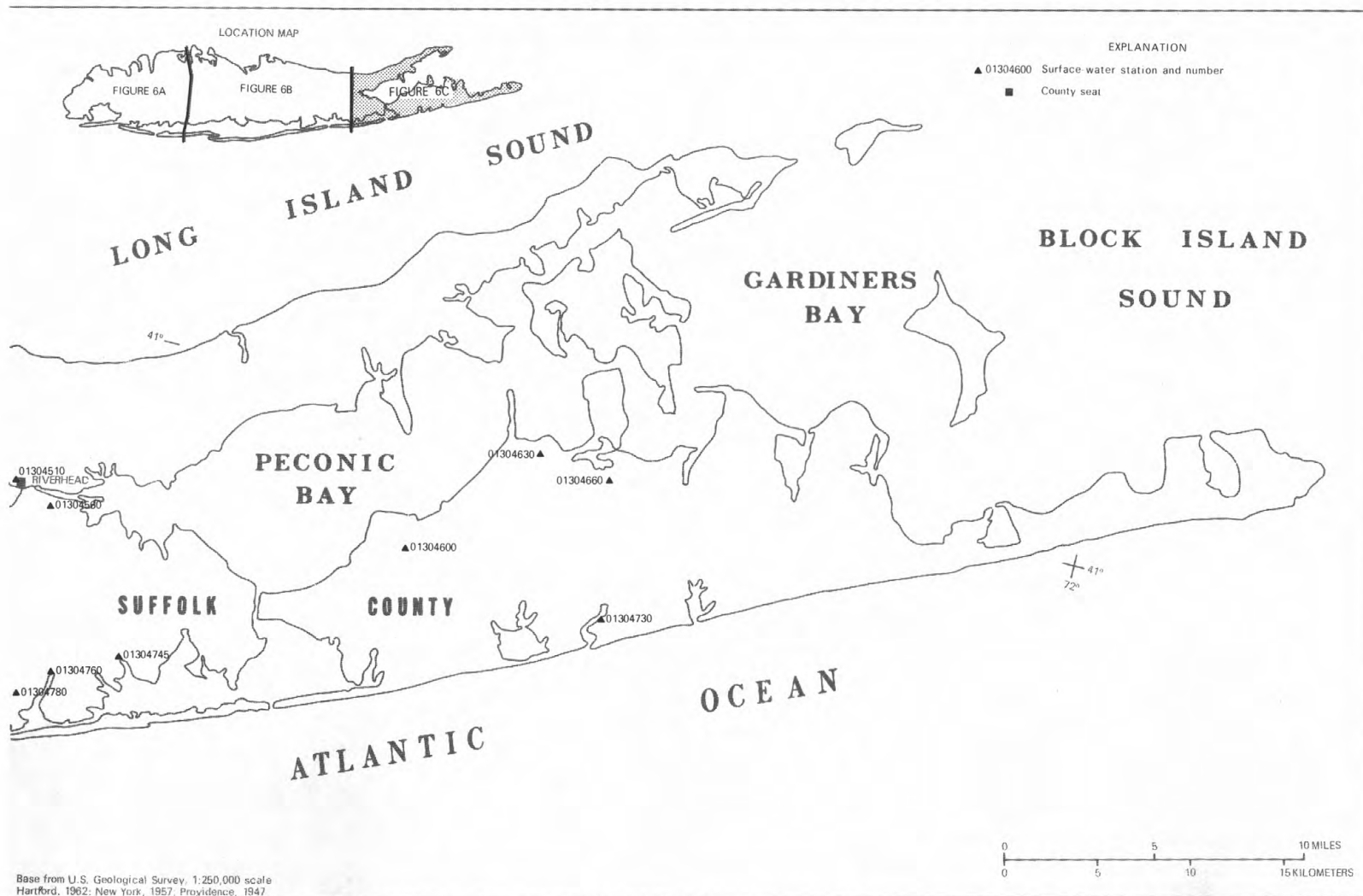
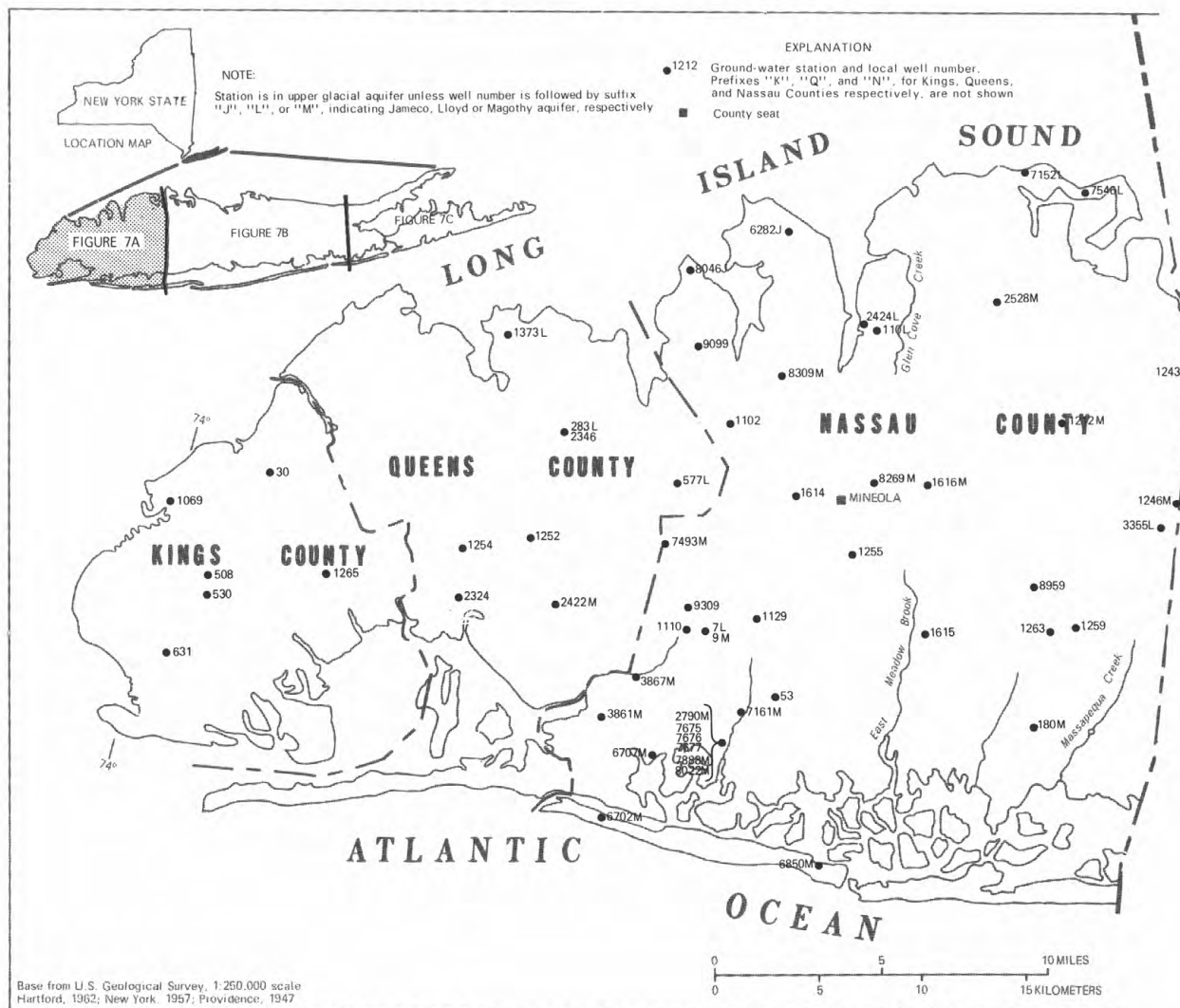


FIGURE 6C.-- LOCATION OF SURFACE-WATER DATA COLLECTION STATIONS





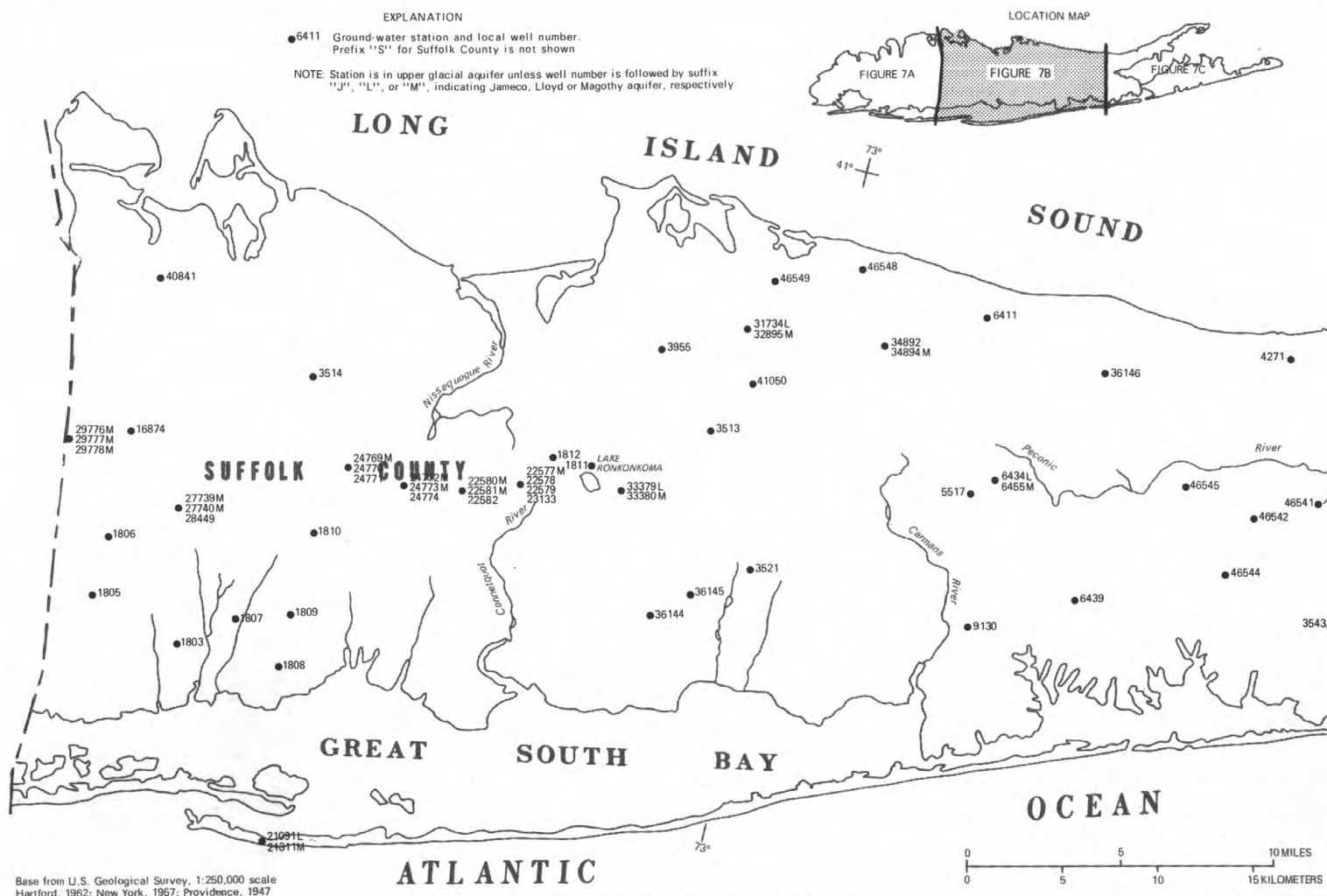


FIGURE 7B.-- LOCATION OF WATER-LEVEL DATA COLLECTION STATIONS

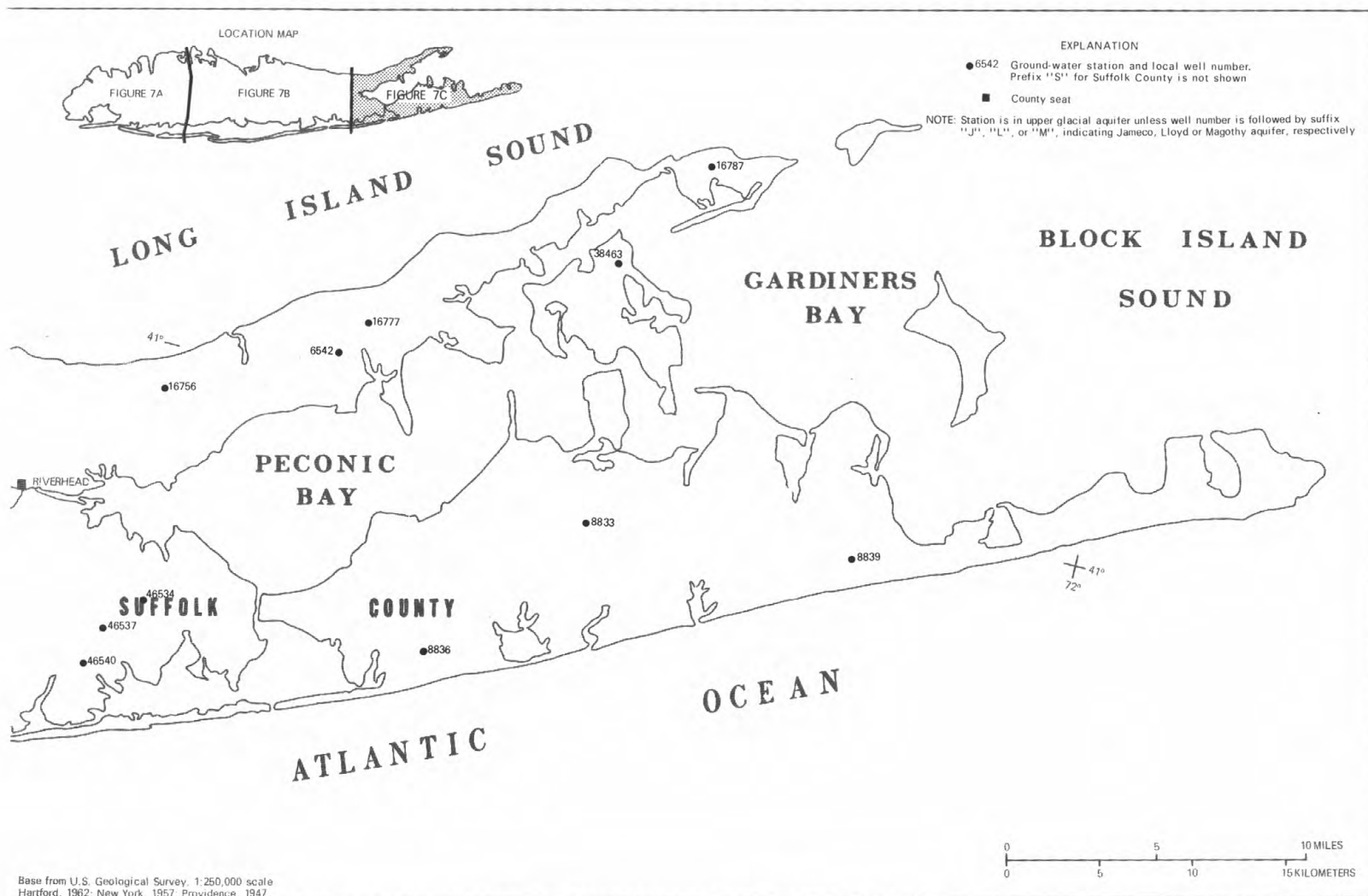


FIGURE 7C.-- LOCATION OF WATER-LEVEL DATA COLLECTION STATIONS

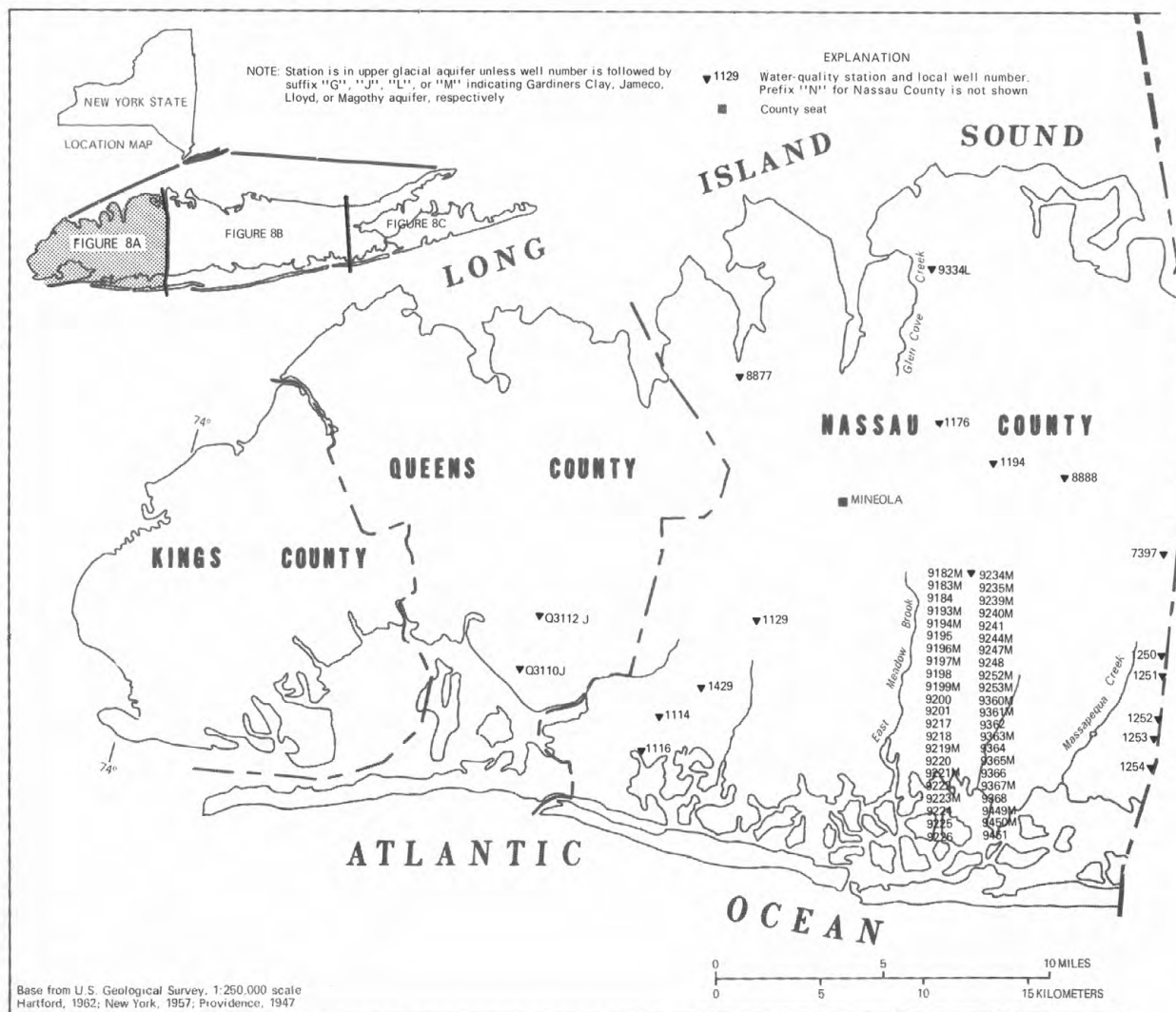


FIGURE 8A.-- LOCATION OF QUALITY OF GROUND-WATER DATA COLLECTION STATIONS



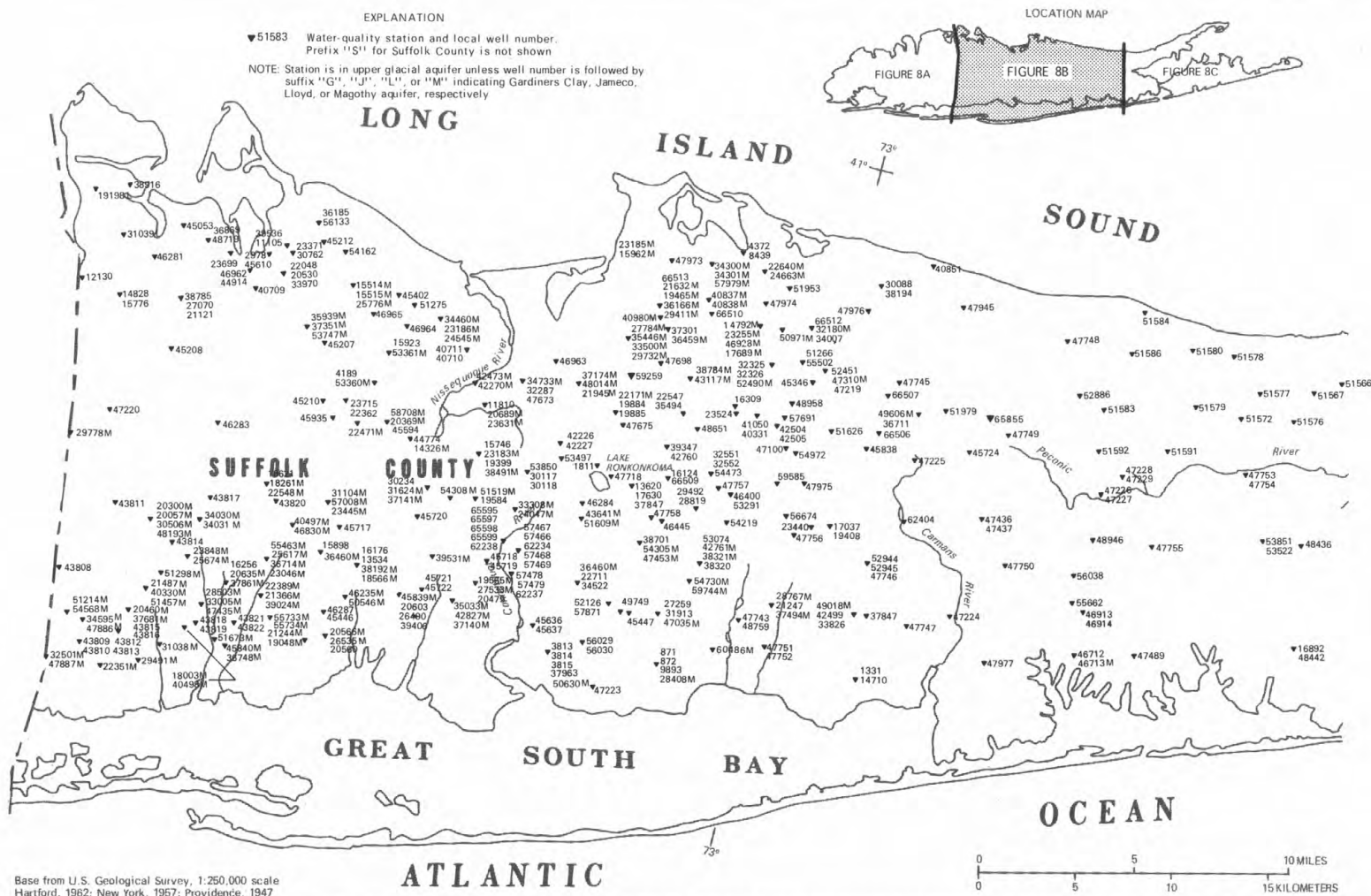


FIGURE 8B.-- LOCATION OF QUALITY OF GROUND-WATER DATA COLLECTION STATIONS

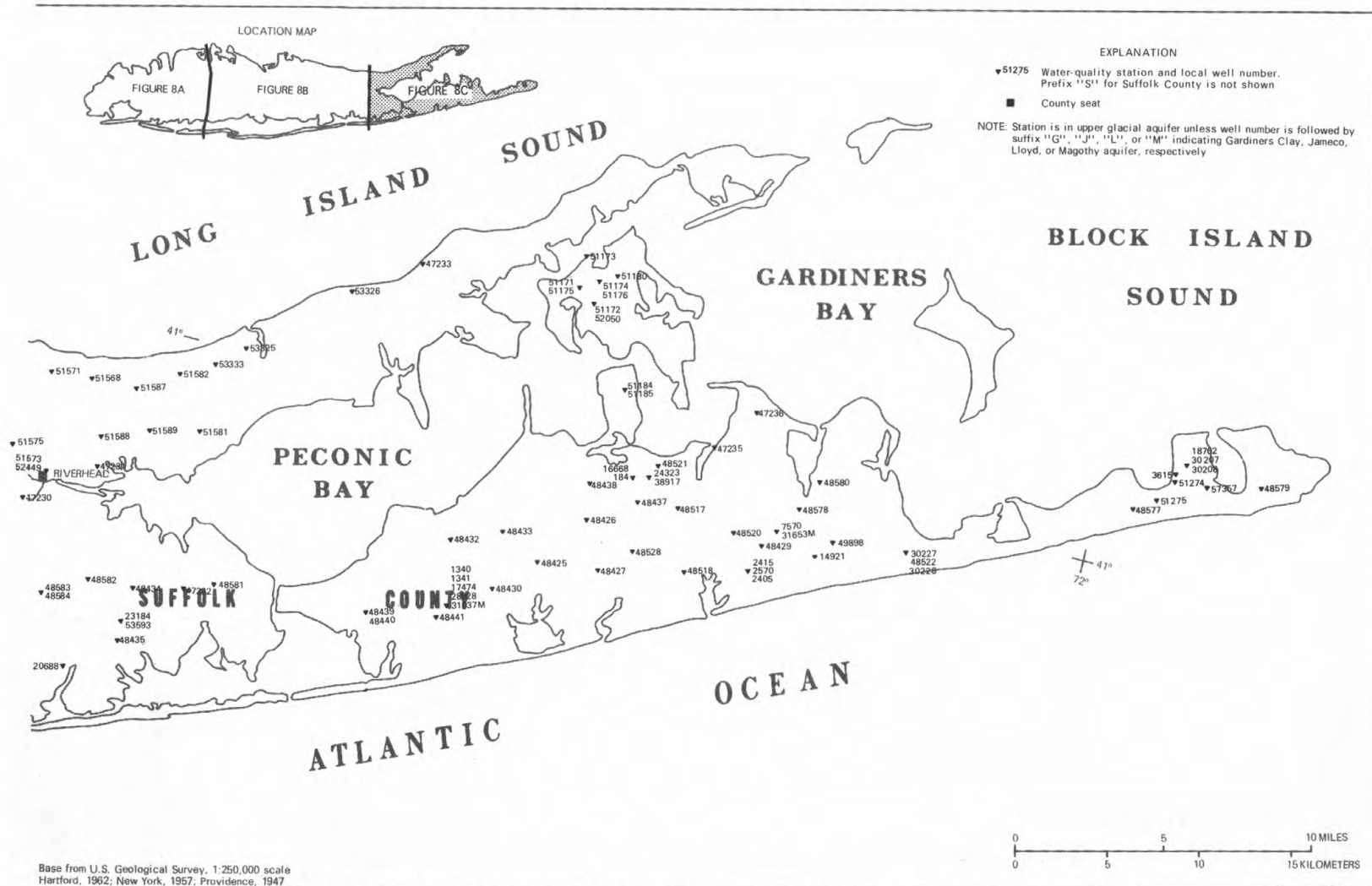


FIGURE 8C.-- LOCATION OF QUALITY OF GROUND-WATER DATA COLLECTION STATIONS

## 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 x 10 foot concrete culvert in Pratt Park, 1 block west of post office, in Glen Cove. Water-quality sampling site at discharge station.

DRAINAGE AREA.--About 11 mi<sup>2</sup> (28 km<sup>2</sup>).

## WATER-DISCHARGE RECORDS

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

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

GAGE.--Water-stage recorder and concrete control. Datum of gage is 15.68 ft (4.780 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 31, 1977, at datum 0.14 ft (0.044 m) higher. Prior to June 17, 1965, at datum 0.19 ft (0.059 m) higher.

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

AVERAGE DISCHARGE.--41 years, 7.12 ft<sup>3</sup>/s (0.202 m<sup>3</sup>/s).

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,845 ft<sup>3</sup>/s (52.3 m<sup>3</sup>/s) Jan. 21, gage height, 7.10 ft (2.164 m), from rating curve extended above 220 ft<sup>3</sup>/s (6.23 m<sup>3</sup>/s); minimum, 4.1 ft<sup>3</sup>/s (0.116 m<sup>3</sup>/s) Nov. 5, gage height, 0.69 ft (0.210 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.1	9.1	5.5	6.9	8.1	8.8	10	11	10	8.9	8.7	8.4
2	7.6	9.4	5.0	26	7.6	8.6	13	10	9.7	8.8	8.9	8.1
3	6.7	6.7	5.1	14	7.4	8.1	11	10	14	8.6	8.8	8.1
4	6.7	4.8	9.9	11	7.2	7.6	11	10	16	9.1	8.3	8.5
5	6.7	4.4	9.9	9.4	6.3	7.6	11	10	14	8.6	7.9	8.7
6	63	4.8	5.7	7.8	5.9	116	10	9.7	11	8.5	8.7	31
7	14	5.0	5.3	19	5.9	38	10	9.9	11	8.6	8.8	13
8	13	5.0	14	30	6.1	13	11	11	10	8.5	9.0	10
9	11	5.0	36	8.8	5.9	10	20	11	10	8.9	8.7	8.9
10	8.8	4.8	15	6.9	5.7	9.3	12	10	10	9.0	10	8.6
11	8.3	5.0	12	6.3	5.7	24	11	12	13	9.9	14	8.6
12	6.7	4.7	9.9	5.9	5.5	11	11	11	10	17	38	8.5
13	5.9	4.9	8.6	18	5.5	9.0	10	14	10	9.7	18	8.5
14	7.6	5.1	6.1	19	6.9	9.3	23	18	10	9.6	11	10
15	5.5	5.0	5.7	12	7.9	8.1	13	12	10	9.0	8.8	8.7
16	7.6	5.1	5.5	9.9	5.9	7.8	12	11	12	9.3	8.1	8.3
17	9.1	6.7	8.6	8.1	5.9	7.4	11	10	23	13	7.8	8.5
18	8.3	9.9	5.5	7.2	5.7	7.4	11	11	21	15	8.3	8.4
19	6.9	4.8	5.5	6.5	5.7	7.2	11	21	13	11	7.8	8.5
20	5.9	4.9	6.3	6.1	5.7	7.1	10	11	11	10	7.6	8.3
21	5.7	5.1	14	455	8.8	6.9	10	11	8.3	9.7	7.8	23
22	5.3	5.3	6.1	32	13	7.4	10	10	7.9	8.9	7.8	26
23	5.9	6.3	5.5	16	9.1	6.9	10	35	6.6	9.8	7.8	12
24	5.7	6.9	10	74	75	9.7	10	28	6.3	9.8	8.6	9.7
25	5.7	4.8	29	44	47	7.7	11	22	7.9	9.6	8.8	9.0
26	9.9	4.6	6.9	18	110	7.1	21	12	9.7	13	7.4	8.7
27	15	7.4	6.3	10	19	6.7	41	10	9.4	10	29	8.6
28	9.7	7.2	5.9	9.1	9.9	8.5	17	13	10	8.8	38	8.5
29	9.1	7.8	5.7	9.1	---	11	12	11	12	8.7	15	8.4
30	9.1	10	5.1	9.7	---	10	11	14	10	8.6	11	18
31	9.4	---	5.7	8.6	---	10	---	13	---	8.6	9.7	---
TOTAL	307.9	180.5	285.3	924.3	418.3	417.2	395	412.6	336.8	306.5	368.1	331.5
MEAN	9.93	6.02	9.20	29.8	14.9	13.5	13.2	13.3	11.2	9.89	11.9	11.1
MAX	63	10	36	455	110	116	41	35	23	17	38	31
MIN	5.3	4.4	5.0	5.9	5.5	6.7	10	9.7	6.3	8.5	7.4	8.1

CAL YR 1978 TOTAL 3660.9 MEAN 10.0 MAX 341 MIN 4.4  
WTR YR 1979 TOTAL 4684.0 MEAN 12.8 MAX 455 MIN 4.4

## 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 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	HARDNESS (MG/L AS $\text{CaCO}_3$ )	HARDNESS, NONCARBONATE (MG/L AS $\text{CaCO}_3$ )	CALCIUM DIS-SOLVED (MG/L AS $\text{Ca}$ )	MAGNESIUM, DIS-SOLVED (MG/L AS $\text{Mg}$ )	SODIUM, DIS-SOLVED (MG/L AS $\text{Na}$ )	POTASSIUM, DIS-SOLVED (MG/L AS $\text{K}$ )
DEC 27...	0915	250	6.8	7.5	10.6	73	39	19	6.2	14	1.7
MAR 28...	1100	245	6.9	10.0	10.8	--	--	--	--	--	--
JUN 26...	0845	230	6.5	14.0	9.3	70	42	17	6.7	17	1.8
SEP 14...	0845	240	6.0	15.0	9.2	73	46	18	6.7	14	1.8

DATE	BICARBONATE (MG/L AS $\text{HCO}_3$ )	ALKALINITY (MG/L AS $\text{CaCO}_3$ )	CARBON DIOXIDE DIS-SOLVED (MG/L AS $\text{CO}_2$ )	SULFATE DIS-SOLVED (MG/L AS $\text{SO}_4$ )	CHLORIDE, DIS-SOLVED (MG/L AS $\text{Cl}$ )	FLUORIDE, DIS-SOLVED (MG/L AS $\text{F}$ )	SILICA, DIS-SOLVED (MG/L AS $\text{SiO}_2$ )	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS $\text{N}$ )	NITROGEN, NITRATE DIS-SOLVED (MG/L AS $\text{N}$ )	NITROGEN, NITRITE TOTAL (MG/L AS $\text{N}$ )
DEC 27...	41	34	10	25	24	.0	13	136	3.7	2.8	.01
MAR 28...	--	--	--	--	--	--	--	--	--	4.2	--
JUN 26...	34	28	17	31	22	.1	16	152	5.4	5.3	.02
SEP 14...	--	27	53	28	20	.0	15	142	4.6	5.0	.01

DATE	NITROGEN, AMMONIA TOTAL (MG/L AS $\text{N}$ )	NITROGEN, ORGANIC TOTAL (MG/L AS $\text{N}$ )	NITROGEN, TOTAL (MG/L AS $\text{N}$ )	PHOSPHORUS, TOTAL (MG/L AS $\text{P}$ )	PHOSPHORUS, ORTHO. TOTAL (MG/L AS $\text{P}$ )	IRON, TOTAL RECOVERABLE (UG/L AS $\text{Fe}$ )	IRON, SUSPENDED RECOVERABLE (UG/L AS $\text{Fe}$ )	IRON, DIS-SOLVED (UG/L AS $\text{Fe}$ )	MANGANESE, TOTAL RECOVERABLE (UG/L AS $\text{Mn}$ )	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
DEC 27...	.20	.29	4.2	.03	.00	880	--	590	140	.00
MAR 28...	--	--	--	.00	--	--	--	--	--	.00
JUN 26...	.11	.07	5.6	.01	.00	460	200	260	60	.00
SEP 14...	.09	.02	4.7	.01	.00	350	--	260	50	.10



## 01303000 MILL NECK CREEK AT MILL NECK, NY

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

DRAINAGE AREA.--About 11.5 mi<sup>2</sup> (29.8 km<sup>2</sup>).

## WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1141: Drainage area.

GAGE.--Water-stage recorder and steel sheet-piling control. Datum of gage is 6.49 ft (1.978 m) National Geodetic Vertical Datum of 1929. Prior to June 23, 1965, at datum 0.06 ft (0.018 m) higher.

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

AVERAGE DISCHARGE.--42 years, 9.19 ft<sup>3</sup>/s (0.260 m<sup>3</sup>/s).

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

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

Date	Time	Discharge (ft <sup>3</sup> /s) (m <sup>3</sup> /s)	Gage height (ft) (m)	Date	Time	Discharge (ft <sup>3</sup> /s) (m <sup>3</sup> /s)	Gage height (ft) (m)
Jan. 21	1000	a*134 3.79	*1.58 0.482	Feb. 26	0930	67 1.90	1.10 0.335
Jan. 25	0300	51 1.44	.95 .290	Mar. 6	1800	47 1.33	.91 .277
Feb. 25	0400	34 .96	.76 .232	Aug. 13	0200	32 .91	.73 .222

a From rating curve extended above 70 ft<sup>3</sup>/s (1.98 ft<sup>3</sup>/s).

Minimum discharge, 7.4 ft<sup>3</sup>/s (0.21 m<sup>3</sup>/s) Sept. 19, gage height, 0.29 ft (0.088 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.5	10	10	10	11	13	11	11	11	11	9.6	9.1
2	8.4	9.7	9.1	14	17	12	12	10	11	9.9	9.2	9.0
3	8.4	9.6	8.6	16	12	12	13	10	12	9.4	8.9	9.4
4	8.4	9.6	10	11	10	12	12	10	15	9.4	9.2	8.9
5	8.5	9.6	11	9.1	9.6	11	12	10	14	9.6	9.1	8.7
6	22	9.6	9.8	9.3	9.0	35	11	9.9	13	9.2	8.8	18
7	15	9.6	8.9	10	9.7	31	9.6	9.9	11	9.2	8.7	14
8	11	9.6	9.7	21	11	17	9.9	10	10	9.0	8.5	11
9	9.8	9.6	21	15	9.8	13	14	10	10	8.9	8.3	9.3
10	9.4	8.6	19	11	9.2	12	15	10	9.9	8.9	8.4	8.9
11	9.3	8.4	12	9.1	8.8	17	12	10	10	9.4	9.5	8.6
12	8.9	8.4	9.9	8.6	9.2	14	11	10	11	10	19	8.4
13	8.6	8.4	9.3	10	9.6	12	10	12	9.8	10	24	8.5
14	9.3	8.6	8.9	18	9.2	12	14	15	9.6	9.5	13	9.0
15	9.0	9.1	8.5	12	9.2	11	16	14	9.4	9.2	11	9.0
16	8.4	9.5	8.4	9.7	9.5	11	13	12	9.3	9.7	9.7	8.7
17	8.2	10	9.6	9.3	9.2	11	12	11	14	9.9	9.0	8.8
18	8.4	14	8.8	9.1	9.2	11	11	11	19	11	9.2	8.2
19	8.4	12	11	8.5	10	11	10	12	14	11	10	7.9
20	8.7	11	9.4	8.9	9.6	11	10	12	11	10	9.7	7.9
21	8.6	10	12	75	10	11	9.9	11	9.9	9.9	9.2	9.2
22	8.4	9.3	10	40	12	12	9.9	10	9.6	9.6	8.8	23
23	8.5	9.2	8.9	20	11	11	10	13	9.6	9.6	8.7	14
24	8.5	11	8.7	20	22	11	9.9	26	9.3	9.5	9.1	10
25	9.0	9.3	21	41	29	12	9.8	20	9.4	9.5	9.7	9.3
26	8.7	8.4	16	22	48	11	11	15	9.3	10	9.3	9.1
27	12	9.0	11	15	26	10	26	12	9.3	13	12	8.8
28	10	11	11	14	16	10	19	11	9.3	10	21	8.9
29	9.4	9.8	9.4	12	---	11	16	12	10	9.9	15	9.9
30	9.5	13	8.5	11	---	11	12	12	10	9.8	12	14
31	9.9	---	8.6	10	---	11	---	12	---	9.6	10	---
TOTAL	299.1	294.9	338.0	509.6	375.8	410	372.0	373.8	329.7	304.6	337.6	307.5
MEAN	9.65	9.83	10.9	16.4	13.4	13.2	12.4	12.1	11.0	9.83	10.9	10.3
MAX	22	14	21	75	48	35	26	26	19	13	24	23
MIN	8.2	8.4	8.4	8.5	8.8	10	9.6	9.9	9.3	8.9	8.3	7.9

CAL YR 1978 TOTAL 4029.9 MEAN 11.0 MAX 53 MIN 8.0  
WTR YR 1979 TOTAL 4252.6 MEAN 11.7 MAX 75 MIN 7.9

## 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 1978 TO SEPTEMBER 1979

		SPE- CIFIC CON- DUCT- ANCE			OXYGEN, DIS- SOLVED	HARD- NESS (MG/L AS CaCO3)	HARD- NESS, NONCAR- BONATE (MG/L CaCO3)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)
DATE	TIME	(MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	(MG/L)						
DEC 29...	1030	4400	7.0	2.0	13.4	430	400	38	81	640	28
MAR 28...	1000	165	7.2	7.0	11.6	--	--	--	--	--	--
JUN 26...	0800	165	6.7	19.0	8.7	42	19	9.9	4.3	13	1.3
SEP 14...	0745	158	8.3	21.5	9.0	42	22	9.9	4.1	9.7	1.2
	BICAR- BONATE (MG/L AS HCO3)	ALKA- LINITY (MG/L AS CaCO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
DEC 29...	30	25	4.8	760	1400	.1	11	2980	1.4	.85	.02
MAR 28...	--	--	--	--	--	--	--	--	--	1.1	--
JUN 26...	28	23	8.9	20	19	.1	3.8	87	.30	.33	.01
SEP 14...	--	20	.2	18	15	.0	6.4	77	.50	.15	.02
DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO. TOTAL (MG/L AS P)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)	
DEC 29...	.22	.43	2.1	.02	.00	520	--	120	90	.10	
MAR 28...	--	--	--	.00	--	--	--	--	--	.00	
JUN 26...	.09	.61	1.0	.04	.01	490	240	250	30	.00	
SEP 14...	.13	.52	1.2	.04	.00	400	--	190	40	.00	

## 01303500 COLD SPRING BROOK AT COLD SPRING HARBOR, NY

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

DRAINAGE AREA.--About 7.3 mi<sup>2</sup> (19 km<sup>2</sup>).

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

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

REMARKS.--Records good. Flow occasionally regulated at outlet of pond 40 ft (12 m) above station. Prior to October 1978, diversion from this pond by New York State Fish Hatchery bypassed station.

AVERAGE DISCHARGE.--28 years (1951-78), 2.49 ft<sup>3</sup>/s (0.071 m<sup>3</sup>/s) (unadjusted).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 418 ft<sup>3</sup>/s (11.8 m<sup>3</sup>/s) Jan. 21, 1979, gage height, 1.99 ft (0.607 m) (result of regulation), from rating curve extended above 50 ft<sup>3</sup>/s (1.42 m<sup>3</sup>/s); maximum gage height, 5.34 ft (1.628 m) Aug. 31, 1954 (backwater from high tide), from high-water mark; minimum discharge, 0.20 ft<sup>3</sup>/s (0.006 m<sup>3</sup>/s) Jan. 24-27, 1967, gage height, 0.07 ft (0.021 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 418 ft<sup>3</sup>/s (11.8 m<sup>3</sup>/s) Jan. 21, gage height, 1.99 ft (0.607 m) (result of regulation), from rating curve extended above 50 ft<sup>3</sup>/s (1.42 m<sup>3</sup>/s); maximum gage height, 2.96 ft (0.902 m) Dec. 25 (backwater from high tide); minimum discharge 2.3 ft<sup>3</sup>/s (0.651 m<sup>3</sup>/s) Sept. 7, 8, 15-17, gage height, 0.23 ft (0.070 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.2	4.7	5.6	5.6	5.9	6.8	5.2	6.3	6.5	6.0	5.3	3.3
2	3.2	4.7	5.3	6.2	5.5	6.4	6.2	6.2	7.8	6.2	5.3	4.8
3	3.4	9.2	5.2	7.0	5.6	6.2	6.7	6.2	9.0	6.2	5.3	5.7
4	3.7	6.9	5.8	5.9	5.6	6.0	6.2	6.2	8.4	6.5	5.3	5.9
5	4.4	5.3	6.1	5.5	5.6	5.7	5.9	6.2	7.8	8.9	5.8	17
6	7.6	5.0	6.4	5.6	5.6	12	5.8	6.2	6.9	7.7	6.2	13
7	6.2	5.0	6.5	5.6	5.6	15	5.6	6.2	6.9	6.2	6.2	6.7
8	5.3	5.0	4.9	8.1	6.1	8.9	5.6	5.9	6.6	6.2	6.2	2.3
9	4.7	5.0	8.0	7.2	6.0	7.4	6.5	5.9	5.3	5.9	6.3	2.5
10	4.4	4.7	8.6	6.0	5.6	6.7	7.2	5.6	4.6	5.6	6.2	3.0
11	4.2	4.1	6.4	5.5	5.6	7.1	6.1	5.6	5.9	5.6	6.5	4.1
12	4.2	4.7	5.6	5.3	5.6	7.1	5.9	5.7	7.2	5.9	6.9	6.3
13	3.4	5.0	5.3	5.6	5.6	6.7	5.9	6.4	6.5	5.9	6.9	5.0
14	8.4	5.0	5.0	7.5	5.6	6.6	6.9	7.3	6.2	5.9	6.6	12
15	5.6	4.9	5.0	6.5	5.3	6.6	7.4	6.9	6.0	6.2	6.2	8.3
16	4.7	5.0	5.0	5.7	5.6	6.3	6.7	6.5	4.9	7.3	5.9	2.4
17	4.4	5.0	5.6	5.5	5.6	6.2	6.3	6.2	4.0	9.8	5.9	2.7
18	4.4	6.0	5.3	5.3	5.6	6.2	5.9	6.2	5.8	6.7	5.7	4.4
19	4.2	5.6	5.0	5.2	5.9	6.2	5.9	6.3	6.6	6.6	5.6	5.0
20	4.4	5.1	5.1	5.4	5.9	6.2	5.9	6.6	6.6	6.2	5.6	7.3
21	4.7	5.0	6.4	94	6.1	6.2	5.9	6.6	6.3	5.9	5.5	8.7
22	4.4	5.0	5.8	9.5	6.5	6.2	5.9	6.4	6.2	5.9	5.3	10
23	5.0	5.2	5.3	9.4	6.9	6.2	5.9	6.4	6.2	5.6	5.2	7.9
24	5.0	6.0	5.3	14	9.9	6.4	5.9	9.5	6.2	5.3	4.7	6.7
25	5.0	5.3	8.0	21	13	6.3	5.8	11	6.2	6.2	4.7	6.0
26	4.4	5.0	6.5	11	16	6.1	6.2	10	6.1	6.6	5.0	5.8
27	4.7	5.4	5.4	6.6	12	4.6	12	7.7	6.0	4.2	5.3	5.4
28	5.3	5.3	5.0	3.9	8.0	4.1	9.0	5.6	6.1	4.4	7.2	5.4
29	5.3	5.3	5.0	5.3	---	4.3	7.5	4.2	6.2	5.0	12	5.4
30	5.0	6.2	5.0	5.5	---	3.3	6.8	5.9	6.0	5.3	9.3	7.4
31	4.7	---	5.3	5.9	---	3.5	---	6.6	---	5.3	5.3	---
TOTAL	147.5	159.6	178.7	306.3	191.8	203.5	194.7	204.5	191.0	191.2	189.4	190.4
MEAN	4.76	5.32	5.76	9.88	6.85	6.56	6.49	6.60	6.37	6.17	6.11	6.35
MAX	8.4	9.2	8.6	94	16	15	12	11	9.0	9.8	12	17
MIN	3.2	4.1	4.9	3.9	5.3	3.3	5.2	4.2	4.0	4.2	4.7	2.3

CAL YR 1978 TOTAL 1511.5 MEAN 4.14 MAX 71 MIN 2.1  
WTR YR 1979 TOTAL 2348.6 MEAN 6.43 MAX 94 MIN 2.3

## STREAMS ON LONG ISLAND

01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN, NY

(National stream-quality accounting network station)

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

DRAINAGE AREA.--About 27 mi<sup>2</sup> (70 km<sup>2</sup>).

## WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1141: Drainage area.

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

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

AVERAGE DISCHARGE.--36 years, 41.6 ft<sup>3</sup>/s (1.178 m<sup>3</sup>/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 952 ft<sup>3</sup>/s (27.0 m<sup>3</sup>/s) Jan. 22, 1979, gage height, 3.22 ft (0.981 m) (result of dam failure), from rating curve extended above 600 ft<sup>3</sup>/s (17.0 m<sup>3</sup>/s); minimum, 16 ft<sup>3</sup>/s (0.45 m<sup>3</sup>/s) June 5, 6, 1967; minimum gage height, 0.46 ft (0.140 m) Feb. 9, 1951; minimum daily, 19 ft<sup>3</sup>/s (0.54 m<sup>3</sup>/s) June 6, 1967.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 952 ft<sup>3</sup>/s (27.0 m<sup>3</sup>/s) Jan. 22, gage height, 3.22 ft (0.981 m) (result of dam failure), from rating curve extended above 600 ft<sup>3</sup>/s (17.0 m<sup>3</sup>/s); minimum, 27 ft<sup>3</sup>/s (0.76 m<sup>3</sup>/s) Jan. 22, 23, gage height, 0.58 ft (0.177 m) (result of temporary construction upstream).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44	41	47	49	61	68	61	61	58	52	47	47
2	45	40	44	61	61	66	63	60	58	52	45	47
3	44	40	43	69	61	64	66	58	61	52	44	47
4	43	40	47	60	61	64	54	60	71	52	55	47
5	43	41	51	52	60	64	48	58	69	51	58	52
6	73	40	48	51	58	93	57	57	64	51	54	68
7	61	40	45	52	60	130	57	57	61	49	58	55
8	51	40	45	73	61	100	58	57	60	48	51	49
9	47	40	62	68	60	81	64	57	58	48	48	47
10	44	40	71	60	60	74	68	55	58	48	49	47
11	44	40	60	54	60	78	63	55	60	51	51	45
12	43	40	52	49	60	74	60	55	60	51	69	45
13	43	40	49	55	60	73	58	63	57	49	76	45
14	45	40	47	76	60	73	64	80	55	51	60	45
15	44	40	47	64	60	71	68	78	54	57	52	47
16	43	40	47	58	60	69	64	66	54	51	51	45
17	43	41	48	55	58	68	63	60	55	48	48	44
18	43	49	47	54	58	66	60	60	57	48	47	44
19	43	47	47	51	57	66	60	61	57	48	48	43
20	41	43	47	51	57	66	58	60	55	48	47	43
21	41	41	52	175	58	66	58	58	51	48	45	45
22	41	41	51	334	64	66	58	57	52	48	45	66
23	41	41	48	35	68	51	57	63	52	47	48	55
24	40	45	47	74	83	52	57	87	52	48	48	48
25	40	43	73	121	96	61	57	76	51	47	49	47
26	41	41	64	95	113	63	60	68	51	48	48	45
27	44	43	55	78	98	61	87	61	51	47	47	45
28	43	47	49	71	80	61	78	60	51	47	52	45
29	41	45	48	68	---	61	69	60	51	47	52	45
30	41	49	47	64	---	61	64	63	51	47	51	59
31	41	---	47	63	---	61	---	58	---	47	48	---
TOTAL	1381	1258	1575	2340	1853	2172	1859	1929	1695	1526	1591	1452
MEAN	44.5	41.9	50.8	75.5	66.2	70.1	62.0	62.2	56.5	49.2	51.3	48.4
MAX	73	49	73	334	113	130	87	87	71	57	76	68
MIN	40	40	43	35	57	51	48	55	51	47	44	43

CAL YR 1978 TOTAL 18647 MEAN 51.1 MAX 162 MIN 40  
WTR YR 1979 TOTAL 20631 MEAN 56.5 MAX 334 MIN 35



## 01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN, NY--Continued

## WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: December 1978 to September 1979.

WATER TEMPERATURES: January 1978 to current year.

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

REMARKS.--In addition to the water-quality monitor record, samples were collected approximately once a month.

Prior to October 1978, water temperature measurements were made daily by a local observer.

Interruptions in the record were due to malfunctions of the instrument. Unpublished records of specific conductance and water temperatures are available in files of the Long Island Sub-district office.

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

## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	PH (UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, O. 7 UM-MF (COLS. / 100 ML)	STREP- TOCOC CI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)
OCT											
16.*	1345	7.2	---	9.3	---	---	---	---	5.8	---	2.4
24...	1130	6.9	1.0	9.6	39	---	28	12	---	6.1	---
DEC											
05...	1230	4.7	1.0	10.9	K15	---	26	1	---	6.0	---
JAN											
09...	0945	6.7	1.0	11.3	57	54	31	16	---	7.5	---
17.*	1230	6.7	---	11.7	---	---	---	---	5.3	---	2.0
30...	1300	6.7	1.0	11.7	K14	---	29	15	---	7.3	---
MAR											
14...	0930	5.5	1.0	---	K3	K10	30	11	---	7.7	---
15.*	1000	7.2	---	11.0	---	---	---	---	4.7	---	1.9
APR											
25...	0900	6.7	1.0	9.6	K12	K8	28	10	---	7.1	---
JUN											
05...	0900	6.2	1.0	9.8	K16	32	28	13	---	7.1	---
19.*	1410	6.8	---	9.1	---	---	---	---	7.6	---	2.4
JUL											
24...	0900	5.7	.00	8.2	68	300	26	12	---	6.3	---
AUG											
15...	0930	6.3	1.0	8.7	42	250	24	9	---	6.1	---
29...	0900	5.6	1.0	8.0	370	2300	25	11	---	6.4	---
SEP											
24.*	0900	6.6	---	8.7	---	---	---	---	5.1	---	2.0

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

## STREAMS ON LONG ISLAND

01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN, NY--Continued

DATE	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)
OCT										
16...	2.0	.00	--	.14	--	.10	--	.00	.00	<.00
24...	--	--	1.4	.00	.37	.37	1.8	.02	.00	--
DEC										
05...	--	--	1.6	.06	.21	.27	1.9	.00	.00	--
JAN										
09...	--	--	1.5	.16	.14	.30	1.8	.01	.00	--
17...	1.8	.00	--	.17	.13	.30	--	.01	.00	.00
30...	--	--	1.3	.19	.24	.43	1.7	.01	.00	--
MAR										
14...	--	--	1.8	.23	.21	.44	2.2	.01	.00	--
15...	1.6	.01	--	.12	.08	.20	--	.00	<.00	.00
APR										
25...	--	--	1.6	.01	.12	.13	1.7	.01	.00	--
JUN										
05...	--	--	1.4	.06	.25	.31	1.7	.02	.01	--
19...	2.1	.01	--	.08	.12	.20	--	.01	.00	<.00
JUL										
24...	--	--	1.2	.02	.22	.24	1.4	.01	.00	--
AUG										
15...	--	--	.81	.02	.20	.22	1.0	.01	.00	--
29...	--	--	1.2	.06	.21	.27	1.5	.01	.01	--
SEP										
24...	1.5	.00	--	.20	.10	.30	--	.01	.00	<.00

## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY (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)	SOLIDS, SUM OF CONSTITU- ENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
OCT											
16...	--	9.4	1.0	16	4.7	15	<.5	--	--	--	--
24...	3.0	10	1.2	16	8.6	15	.0	6.3	74	60	.10
DEC											
05...	2.6	13	1.5	25	8.8	18	.0	8.1	74	73	.10
JAN											
09...	2.9	13	1.3	15	10	20	.0	8.1	78	72	.11
17...	--	13	1.0	13	5.0	20	<.5	--	--	--	--
30...	2.5	15	1.4	14	12	22	.0	8.7	84	77	.11
MAR											
14...	2.5	14	1.4	19	13	19	.0	8.2	82	77	.11
15...	--	10	1.1	18	5.4	16	<.5	--	--	--	--
APR											
25...	2.4	12	1.3	18	11	18	.0	5.7	74	69	.10
JUN											
05...	2.4	11	1.3	15	10	16	.0	5.3	75	62	.10
19...	--	12	1.1	15	7.9	16	<.5	--	--	--	--
JUL											
24...	2.4	12	1.0	14	8.5	15	.0	6.8	82	60	.11
AUG											
15...	2.0	11	1.2	15	9.1	15	.0	6.8	61	60	.08
29...	2.2	11	1.1	14	7.9	16	.0	5.9	75	65	.10
SEP											
24...	--	8.6	1.2	13	4.5	13	<.5	--	--	--	--

## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

[illegible]

## STREAMS ON LONG ISLAND

01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN, NY--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1							---	---	---	105	99	101
2							---	---	---	106	99	101
3							---	---	---	108	106	108
4							---	---	---	108	107	108
5							125	123	124	112	107	109
6							125	120	122	111	109	110
7							122	117	119	112	109	111
8							119	109	114	114	112	113
9							123	113	118	115	114	114
10							116	112	114	137	131	134
11							119	114	117	132	111	124
12							114	105	108	119	106	112
13							107	101	104	134	110	121
14							106	104	104	147	134	144
15							106	103	105	149	141	146
16							105	101	103	146	136	142
17							106	100	104	142	135	139
18							108	104	106	141	129	135
19							109	105	108	134	129	130
20							109	109	109	136	130	134
21							109	107	108	130	126	128
22							108	105	107	---	---	---
23							108	106	107	---	---	---
24							106	101	104	---	---	---
25							108	99	103	---	---	---
26							108	105	107	---	---	---
27							106	102	104	---	---	---
28							104	101	103	---	---	---
29							103	101	102	---	---	---
30							107	103	106	---	---	---
31							108	105	107	---	---	---
MONTH							125	99	109	149	99	122
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1				147	129	137	135	124	133	129	124	126
2				150	125	136	135	126	133	131	127	129
3				149	138	145	135	130	133	132	127	129
4				141	132	137	134	101	120	132	128	130
5				146	136	142	128	109	122	132	126	129
6				145	134	141	131	127	129	133	128	131
7				141	118	128	134	124	129	132	129	131
8				147	124	135	140	132	135	133	129	131
9				140	125	130	137	132	134	132	130	131
10				143	128	136	138	130	134	134	131	132
11				145	133	137	137	132	135	133	127	131
12				150	142	146	136	128	132	127	125	127
13				149	140	145	132	127	130	137	122	129
14				142	136	140	133	126	130	137	128	133
15				144	135	141	134	130	132	138	133	136
16				145	138	142	133	127	131	135	125	130
17				140	134	137	131	126	129	127	121	125
18				137	131	134	135	126	131	132	124	127
19				140	135	137	134	130	132	132	129	130
20				142	136	139	133	127	131	132	128	130
21				143	134	139	135	129	132	135	132	134
22				143	137	140	134	128	132	135	130	133
23				140	104	126	132	128	131	133	117	128
24				134	124	130	135	129	132	142	126	138
25				137	133	135	135	131	133	136	130	133
26				135	129	132	136	131	133	134	127	131
27				135	130	133	139	124	134	128	124	126
28				137	131	133	138	128	132	129	124	127
29				137	127	133	130	124	127	130	125	126
30				134	129	131	129	125	127	130	123	126
31				134	130	132	---	---	---	129	111	123
MONTH				150	104	136	140	101	131	142	111	130





## STREAMS ON LONG ISLAND

01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN, NY--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1							---	---	---	7.0	5.0	6.0
2							---	---	---	8.5	7.0	8.0
3							---	---	---	8.0	5.5	7.0
4							---	---	---	5.5	5.0	5.0
5							8.5	7.5	8.0	5.0	4.5	4.5
6							8.5	7.0	8.0	5.0	4.5	5.0
7							8.5	7.0	8.0	6.0	5.0	5.5
8							9.5	8.5	9.0	6.0	6.0	6.0
9							9.5	7.0	9.0	6.0	5.0	5.5
10							7.5	5.5	6.5	5.0	4.0	4.5
11							6.0	5.0	5.5	5.5	4.5	4.5
12							6.0	4.5	5.0	5.5	4.5	5.0
13							6.5	5.0	5.5	6.0	5.0	5.5
14							6.5	5.0	5.5	5.5	5.0	5.0
15							6.0	5.0	5.5	5.0	4.0	4.5
16							6.5	5.0	5.5	5.0	4.5	4.5
17							6.5	5.0	6.0	5.5	4.5	5.0
18							5.0	4.5	4.5	5.5	4.5	5.0
19							4.5	3.5	4.0	5.5	4.5	5.0
20							4.0	3.5	4.0	5.5	4.5	5.0
21							5.5	4.5	5.0	5.5	5.5	5.5
22							5.0	4.0	4.5	---	---	---
23							5.5	4.5	5.0	---	---	---
24							6.0	4.5	5.5	---	---	---
25							6.0	5.0	5.5	---	---	---
26							5.0	4.5	5.0	---	---	---
27							5.0	4.5	5.0	---	---	---
28							4.5	3.5	4.0	---	---	---
29							4.0	3.0	3.5	---	---	---
30							4.5	3.5	4.0	---	---	---
31							5.0	4.5	5.0	---	---	---
MONTH							9.5	3.0	5.5	8.5	4.0	5.5
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1				9.0	7.0	8.0	15.5	13.0	14.0	19.0	15.5	17.0
2				8.0	7.0	7.5	13.5	12.0	12.5	18.5	15.0	16.5
3				9.5	7.5	8.5	12.0	11.0	11.5	18.0	15.0	16.0
4				9.5	8.5	9.0	11.0	10.0	10.5	18.0	15.0	16.5
5				11.0	9.0	10.0	12.5	9.5	11.0	18.0	15.0	16.5
6				11.5	11.0	11.0	12.5	10.0	11.0	19.0	15.0	16.5
7				11.0	10.5	11.0	11.5	8.5	9.5	19.5	15.0	17.0
8				11.0	10.0	10.5	11.5	8.5	9.5	20.5	16.0	18.0
9				11.5	9.0	10.5	10.0	9.0	9.5	22.0	17.0	19.5
10				10.5	10.0	10.5	11.5	8.5	10.0	22.5	19.0	20.5
11				10.0	7.5	9.5	12.5	9.0	10.5	22.0	19.0	20.0
12				8.0	6.0	7.0	13.5	10.5	12.0	19.0	18.0	18.5
13				8.0	5.5	7.0	14.0	11.0	12.0	18.5	17.5	18.0
14				10.0	8.0	9.5	12.0	11.0	11.5	17.5	16.5	17.0
15				9.0	6.5	8.0	11.0	10.5	11.0	18.5	16.0	17.0
16				7.5	5.5	6.5	11.0	10.5	10.5	19.0	16.5	17.5
17				7.5	6.0	7.0	13.0	10.0	11.5	19.5	16.0	18.0
18				9.5	6.0	8.0	14.0	10.5	12.0	17.5	16.5	17.0
19				10.0	7.0	8.5	15.0	11.5	13.0	16.5	16.0	16.0
20				11.0	8.0	9.5	15.5	11.5	13.5	17.5	15.5	16.5
21				12.5	9.0	10.5	16.5	12.0	14.0	19.0	16.5	18.0
22				14.0	10.0	12.0	16.5	13.0	14.5	19.5	17.5	18.5
23				15.5	11.0	13.0	17.5	14.0	15.5	18.0	17.0	17.5
24				13.5	12.0	13.0	18.5	14.5	16.0	18.5	17.5	18.0
25				14.5	12.0	13.0	15.5	15.5	15.5	17.5	17.0	17.5
26				13.5	11.0	12.5	16.0	15.5	16.0	19.5	17.0	18.0
27				12.0	9.5	10.5	16.0	15.0	15.5	19.0	16.5	18.0
28				12.0	8.5	10.0	17.5	14.5	15.5	18.5	16.5	17.5
29				11.5	9.5	10.5	18.5	15.5	16.5	23.0	16.5	18.5
30				13.5	11.0	12.0	19.0	15.0	17.0	20.0	18.5	19.0
31				14.5	11.5	13.0	---	---	---	19.5	18.5	19.0
MONTH				15.5	5.5	10.0	19.0	8.5	13.0	23.0	15.0	17.5

## STREAMS ON LONG ISLAND

43

01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN, NY--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	21.0	19.0	19.5	21.5	19.5	20.5	25.0	22.5	23.5			
2	21.0	19.0	19.5	20.5	19.5	20.0	25.0	23.5	24.0			
3	19.5	18.0	19.0	22.5	19.5	21.0	24.5	23.0	24.0			
4	18.0	17.0	17.5	21.0	18.5	19.5	24.0	23.0	23.5			
5	20.5	16.5	18.5	20.0	17.0	18.5	25.0	22.5	24.0			
6	20.0	18.5	19.5	20.0	17.5	19.0	24.5	22.5	23.5			
7	21.5	19.0	20.0	20.5	17.5	19.0	24.5	22.0	23.0			
8	22.5	20.0	21.0	21.0	18.5	19.5	24.5	22.0	23.0			
9	22.5	20.0	21.0	21.5	19.0	20.0	24.5	22.0	23.0			
10	22.5	20.5	21.5	21.0	19.5	20.5	25.0	22.5	23.5			
11	21.5	19.5	20.5	21.0	19.5	20.0	24.0	21.0	22.5			
12	20.0	18.5	19.0	22.0	19.5	20.5	21.0	19.0	20.0			
13	20.0	17.5	19.0	23.5	20.0	21.5	20.5	19.0	19.5			
14	20.5	17.0	19.0	23.0	21.0	22.0	21.0	19.0	20.0			
15	21.5	18.5	20.0	23.0	21.0	22.5	20.0	18.5	19.5			
16	22.5	19.5	21.0	24.0	22.5	23.0	20.0	18.0	19.0			
17	22.5	20.0	21.0	25.0	22.0	23.5	20.5	18.5	19.5			
18	22.5	20.5	21.5	23.5	22.0	22.5	19.0	18.5	19.0			
19	22.5	20.0	21.0	23.5	20.5	22.0	19.5	18.5	19.0			
20	22.5	19.0	21.0	23.5	21.0	22.5	21.0	18.5	20.0			
21	22.5	19.5	20.5	22.5	21.5	22.0	21.5	19.5	20.5			
22	20.0	18.5	19.0	22.5	20.0	21.5	22.5	19.5	21.0			
23	20.5	18.0	19.5	22.5	21.0	22.0	23.0	20.0	21.5			
24	20.0	18.5	19.0	23.0	21.0	22.0	22.5	21.5	22.0			
25	20.0	17.0	18.5	23.0	21.0	22.0	23.5	21.5	22.5			
26	19.5	17.5	18.5	24.0	21.5	22.5	23.0	22.0	22.5			
27	20.0	17.5	19.0	24.5	22.5	23.5	24.0	21.5	22.5			
28	20.0	18.5	19.0	24.0	22.5	23.0	24.5	22.5	23.5			
29	21.0	18.5	19.5	23.5	22.0	22.5	24.5	23.0	23.5			
30	20.5	19.5	20.0	24.0	21.0	22.5	23.0	22.5	22.5			
31	---	---	---	23.5	22.0	23.0	---	---	---			
MONTH	22.5	16.5	20.0	25.0	17.0	21.5	25.0	18.0	22.0			
YEAR	25.0	3.0	15.0									

## SUSPENDED SEDIMENT DISCHARGE

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
OCT , 1978					
24...	1130	40	1	.11	--
DEC					
05...	1230	51	2	.28	--
JAN , 1979					
09...	0945	68	6	1.1	--
30...	1300	64	3	.52	--
MAR					
14...	0930	71	3	.58	--
APR					
25...	0900	57	14	2.2	71
JUN					
05...	0900	71	2	.38	--
JUL					
24...	0900	47	2	.25	--
AUG					
15...	0930	52	1	.14	--
29...	0900	54	2	.29	--

01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN, NY--Continued

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## PHYTOPLANKTON

DATE TIME	OCT 24, 78 1130	DEC 5, 78 1230	MAR 14, 79 0930	APR 25, 79 0900	JUL 24, 79 0900	AUG 15, 79 0930				
TOTAL CELLS/ML	170	250	250	52	710	310				
DIVERSITY: DIVISION	1.0	0.8	2.1	1.5	0.7	1.0				
... CLASS	1.3	1.4	2.1	1.5	0.7	1.0				
... ORDER	1.6	1.4	2.4	1.5	0.8	1.0				
... FAMILY	2.4	1.7	2.7	1.5	0.8	1.1				
... GENUS	2.4	1.9	2.8	2.0	0.8	1.1				
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)										
... CHLOROPHYCEAE										
... CHLOROCOCCALES										
... OOCYSTACEAE										
... ANKISTRODESMUS	--	-	--	-	14	6	13#	25	13	2
... OOCYSTIS	58#	33	--	-	14	6	--	-	--	-
... SELENASTRUM	--	-	--	-	--	-	--	-	13	4
... TETRAEDRON	--	-	--	-	--	-	13#	25	--	-
... TREUBARIA	--	-	--	-	--	-	--	-	13	2
... SCENEDESMACEAE										
... SCENEDESMUS	29#	17	--	-	--	-	--	-	--	-
... VOLVOCALES										
... CHLAMYDOMONADACEAE										
... CHLAMYDOMONAS	15	8	58#	24	43#	18	--	-	--	-
... ZYGNEMATALES										
... DESMIDIACEAE										
... COSMARIUM	--	-	--	-	--	-	--	-	13	2
CHRYSOPHYTA										
... BACILLARIOPHYCEAE										
... CENTRALES										
... COSCINODISCACEAE										
... CYCLOTELLA	--	-	--	-	--	-	--	-	39	5
... PENNALES										
... ACHNANTHACEAE										
... ACHNANTHES	--	-	14	6	14	6	--	-	--	-
... COCCONEIS	--	-	--	-	--	-	--	-	13	2
... FRAGILARIACEAE										
... FRAGILARIA	44#	25	14	6	14	6	--	-	--	-
... NAVICULACEAE										
... NAVICULA	15	8	14	6	14	6	--	-	--	-
... NITZSCHACEAE										
... NITZSCHIA	--	-	--	-	--	-	13#	25	--	-
... CHRYSOPHYCEAE										
... CHRYSONOMADALES										
... OCHROMONADACEAE										
... DINOBRYON	--	-	14	6	--	-	--	-	--	-
... OCHROMONAS	15	8	130#	53	--	-	--	-	--	-
CRYPTOPHYTA (CRYPTOMONADS)										
... CRYPTOPHYCEAE										
... CRYPTOMONADACEAE										
... CRYPTOCHRYSIDACEAE										
... CHROOMONAS	--	-	--	-	--	-	--	-	13	4
... CRYPTOMONADACEAE										
... CRYPTOMONAS	--	-	--	-	14	6	13#	25	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)										
... CYANOPHYCEAE										
... CHROOCOCCALES										
... CHROOCOCCACEAE										
... ANACYSTIS	--	-	--	-	--	-	--	-	620#	87
... HORMOGONALES										
... OSCILLATORIACEAE										
... LYNGBYA	--	-	--	-	87#	35	--	-	--	-
... OSCILLATORIA	--	-	--	-	--	-	--	-	230#	75
EUGLENOPHYTA (EUGLENIDS)										
... EUGLENOPHYCEAE										
... EUGLENALES										
... EUGLENACEAE										
... TRACHELOMONAS	--	-	--	-	29	12	--	-	--	-

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

\* - OBSERVED ORGANISM; MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%



01304000 NISSEQUOGUE RIVER NEAR SMITHTOWN, NY--Continued

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## PERIPHYTON

Date	Length of exposure (days)	Biomass (g/m <sup>2</sup> )		Chlorophyll a	Chlorophyll b	Biomass pigment ratio	Sampling method
		Dry weight	Ash weight	(mg/m <sup>2</sup> )	(mg/m <sup>2</sup> )		
Jan. 9 to 30	21	0.000	0.000	0.000	0.000	--	Polyethylene strip
Aug. 15 to Sept. 20	36	1.65	1.18	11.8	3.17	39.8	Polyethylene strip

## STREAMS ON LONG ISLAND

01304500 PECONIC RIVER AT RIVERHEAD, NY

(National stream-quality accounting network station)

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

DRAINAGE AREA.--About 75 mi<sup>2</sup> (194 km<sup>2</sup>).

## WATER-DISCHARGE RECORDS

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

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

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

AVERAGE DISCHARGE.--37 years, 36.8 ft<sup>3</sup>/s (1.042 m<sup>3</sup>/s).

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 201 ft<sup>3</sup>/s (5.69 m<sup>3</sup>/s) Feb. 3, gage height, 1.14 ft (0.347 m) (result of regulation); minimum, 2.1 ft<sup>3</sup>/s (0.059 m<sup>3</sup>/s) Dec. 29, gage height, 0.13 ft (0.040) (result of freezeup); minimum daily, 32 ft<sup>3</sup>/s (0.91 m<sup>3</sup>/s) Nov. 7, 8, Sept. 20, 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	35	50	62	137	135	84	88	77	56	40	42
2	41	35	49	70	112	132	84	86	74	56	38	43
3	40	35	49	76	121	126	86	83	77	54	38	43
4	38	35	50	72	131	120	85	83	81	54	38	42
5	38	35	52	72	118	117	87	81	83	54	40	42
6	47	35	49	72	138	120	86	79	83	52	40	47
7	49	32	49	71	129	132	83	77	81	52	42	50
8	47	32	51	79	120	135	80	74	79	50	42	41
9	45	34	58	80	114	132	82	72	79	50	41	38
10	43	35	58	77	109	132	86	70	79	49	41	38
11	42	35	56	78	103	129	83	66	77	42	42	38
12	40	34	60	80	98	126	81	54	74	38	49	37
13	40	34	60	82	93	123	79	60	70	43	57	37
14	45	34	58	93	88	120	81	79	70	43	56	37
15	47	34	56	91	83	117	86	93	68	47	55	38
16	45	34	55	91	83	111	86	86	66	50	53	37
17	43	34	56	90	83	109	86	81	64	49	51	37
18	42	38	54	83	86	106	84	77	64	47	51	35
19	42	38	42	85	83	103	82	77	62	45	51	33
20	41	45	40	132	81	102	80	77	58	45	49	32
21	40	50	49	123	79	96	79	77	58	43	47	32
22	40	49	54	123	79	90	78	74	62	43	46	38
23	40	49	52	126	81	74	75	72	62	43	45	42
24	39	51	52	132	90	80	72	79	58	43	44	43
25	38	49	63	166	103	97	70	83	58	43	44	45
26	38	49	62	167	123	91	70	83	58	43	43	43
27	38	49	60	173	135	87	81	81	56	43	42	41
28	38	51	47	167	138	86	86	79	54	43	42	39
29	37	50	49	162	---	86	88	79	54	42	43	38
30	37	52	70	153	---	82	90	79	54	43	43	40
31	37	---	63	144	---	84	---	79	---	45	43	---
TOTAL	1279	1202	1673	3272	2938	3380	2460	2408	2040	1450	1396	1188
MEAN	41.3	40.1	54.0	106	105	109	82.0	77.7	68.0	46.6	45.0	39.6
MAX	49	52	70	173	138	135	90	93	83	56	57	50
MIN	37	32	40	62	79	74	70	54	54	38	38	32

CAL YR 1978 TOTAL 22397 MEAN 61.4 MAX 167 MIN 31  
WTR YR 1979 TOTAL 24686 MEAN 67.6 MAX 173 MIN 32

## 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 current year.

WATER TEMPERATURES: June 1975 to current year.

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

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

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum recorded, 215 micromhos July 12, 1977; minimum recorded, 44 micromhos Mar. 10, 1979.

WATER TEMPERATURES: Maximum, 29.0°C Aug. 2, 1975; minimum, 0.0°C on several days during winter periods.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 154 micromhos Oct. 13, 14; minimum, 44 micromhos Mar. 10.

WATER TEMPERATURES: Maximum, 28.5°C July 27; minimum, 0.0°C on several days during winter period.

## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	PH (UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, O. 7 UM-MF (COLS. / 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS, (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)
OCT											
06.*	1050	6.7	--	8.8	--	--	--	--	6.0	--	2.1
24...	0845	6.8	2.0	8.7	31	--	26	10	--	6.6	--
DEC											
05...	0930	5.8	3.0	9.7	K2120	--	29	15	--	7.0	--
JAN											
10...	1045	6.4	1.0	12.5	K12	2700	24	12	--	5.9	--
17.*	1000	6.5	--	12.4	--	--	--	--	4.8	--	1.8
30...	1000	6.4	1.0	12.2	KB	--	15	9	--	3.6	--
MAR											
13...	1030	6.3	3.0	--	K10	100	17	10	--	4.3	--
14.*	1000	6.6	--	11.0	--	--	--	--	4.7	--	1.5
APR											
24...	0930	6.6	--	8.7	21	K13	23	7	--	5.9	--
JUN											
06...	1200	6.1	2.0	7.7	420	62	23	12	--	5.8	--
13.*	1000	6.8	--	7.6	--	--	--	--	6.4	--	2.0
JUL											
25...	0900	6.3	1.0	7.0	200	57	26	13	--	6.7	--
AUG											
14...	0900	6.0	2.0	7.8	1200	300	25	7	--	6.7	--
28...	0930	--	--	--	--	--	25	9	--	--	--
SEP											
12.*	0900	6.3	--	7.4	--	--	--	--	5.8	--	2.2

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

## STREAMS ON LONG ISLAND

01304500 PECONIC RIVER AT RIVERHEAD, NY--Continued

## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY (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)	SOLIDS, SUM OF CONSTITU- ENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
OCT											
06...	--	7.4	1.5	14	9.6	11	<.5	--	--	--	--
24...	2.2	7.8	1.4	16	12	12	.1	3.3	64	55	.09
DEC											
05...	2.7	8.6	2.2	14	13	13	.0	5.6	67	61	.09
JAN											
10...	2.3	6.8	1.3	12	11	11	.0	5.5	50	51	.07
17...	--	6.8	1.2	24	9.8	12	<.5	--	--	--	--
30...	1.4	5.8	1.0	6	9.7	8.9	.0	4.4	48	38	.07
MAR											
13...	1.5	6.2	1.0	7	9.8	10	.0	3.4	56	40	.08
14...	--	6.5	1.3	7	9.4	12	<.5	--	--	--	--
APR											
24...	2.0	7.0	1.4	16	12	12	.0	3.7	55	54	.07
JUN											
06...	2.0	7.1	1.2	11	9.5	12	.0	3.6	33	48	.04
13...	--	7.2	6.1	13	8.7	15	<.5	--	--	--	--
JUL											
25...	2.3	8.2	1.2	13	11	13	.0	5.2	80	55	.11
AUG											
14...	2.1	7.9	1.7	18	9.4	12	.0	4.6	57	56	.08
28...	--	--	--	--	--	--	--	--	--	52	.09
SEP											
12...	--	8.0	1.7	16	7.7	15	<.5	--	--	--	--

DATE	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)
OCT										
06...	.17	.00	--	.15	.05	.20	--	.07	.05	.02
24...	--	--	.22	.01	.60	.61	.83	.06	.04	--
DEC										
05...	--	--	.56	.30	.23	.53	1.1	.11	.07	--
JAN										
10...	--	--	.35	.15	.46	.61	.96	.06	.04	--
17...	.37	.00	--	.19	.01	.20	--	.05	.03	.02
30...	--	--	.11	.05	.34	.39	.50	.04	.04	--
MAR										
13...	--	--	.24	.09	.39	.48	.72	.02	.03	--
14...	.31	.00	--	.18	.12	.30	--	.06	.03	.03
APR										
24...	--	--	.26	.04	.31	.35	.61	.08	.01	--
JUN										
06...	--	--	.27	.11	.44	.55	.82	.12	.05	--
13...	.21	.01	--	.17	.23	.40	--	.12	.08	.06
JUL										
25...	--	--	.12	.00	.54	.54	.66	.13	.06	--
AUG										
14...	--	--	1.1	.18	.34	.52	1.6	.14	.11	--
28...	--	--	--	--	.25	--	.49	--	--	--
SEP										
12...	.21	.00	--	.11	.09	.20	--	.11	.08	.07

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

[illegible]



## STREAMS ON LONG ISLAND

01304500 PECONIC RIVER AT RIVERHEAD, NY--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	116	108	111	108	106	107	118	112	116	102	88	95
2	106	96	98	110	102	106	118	108	114	88	84	87
3	106	98	103	106	102	104	116	108	113	100	88	95
4	104	98	103	108	104	105	114	108	110	100	96	99
5	114	104	106	104	100	102	128	112	123	98	94	97
6	130	112	123	108	102	104	130	124	129	96	92	94
7	126	120	124	112	104	107	126	120	122	92	86	90
8	128	126	127	112	106	109	122	118	121	90	84	87
9	128	124	125	108	102	106	124	114	119	98	90	95
10	150	128	142	116	108	110	126	114	121	98	96	96
11	150	146	149	116	108	113	124	116	121	96	94	95
12	150	142	146	112	108	109	118	104	111	98	94	96
13	154	142	149	110	106	108	108	104	105	96	86	92
14	154	144	150	110	106	108	106	104	104	90	84	87
15	148	142	144	110	106	108	106	104	105	90	86	90
16	142	130	136	114	110	113	106	104	106	90	88	90
17	138	134	135	116	110	112	106	104	105	90	86	88
18	134	124	127	110	102	105	104	98	101	92	86	87
19	128	122	125	110	102	108	106	100	104	102	92	96
20	126	122	123	108	108	108	108	104	105	96	90	94
21	124	118	123	112	108	109	112	108	111	90	80	85
22	120	118	119	108	106	108	114	112	112	90	82	87
23	124	116	119	114	108	112	114	112	113	86	78	82
24	126	116	118	112	106	108	116	114	115	80	72	77
25	118	112	116	110	104	108	114	110	112	74	70	72
26	116	112	113	112	108	111	114	112	112	72	64	67
27	116	112	114	114	112	113	112	110	112	68	64	66
28	118	116	118	120	110	115	112	110	111	68	64	66
29	120	108	114	116	110	112	116	104	111	70	68	68
30	108	102	106	114	110	112	104	102	104	72	66	69
31	106	102	104	---	---	---	104	102	103	74	70	73
MONTH	154	96	123	120	100	109	130	98	112	102	64	86
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	78	74	76	60	56	58	50	48	49	92	86	89
2	82	76	80	60	56	58	58	52	55	92	86	90
3	84	78	81	62	58	60	62	58	59	94	82	87
4	86	80	83	60	56	59	70	60	68	88	78	83
5	86	82	84	58	54	56	96	70	83	86	82	84
6	98	86	93	58	54	55	96	88	92	88	82	85
7	92	90	92	62	52	58	92	88	90	88	82	86
8	90	88	89	60	58	59	92	88	91	88	82	84
9	98	90	93	60	50	56	92	86	89	84	78	82
10	102	98	101	56	44	51	96	86	91	86	82	84
11	104	102	104	60	48	57	98	90	94	86	80	84
12	106	104	105	62	58	60	94	86	90	88	84	87
13	108	106	107	78	60	69	92	86	88	88	84	87
14	110	108	109	80	70	75	90	86	87	90	84	87
15	110	104	108	74	70	72	90	86	88	92	86	88
16	108	104	105	70	62	67	94	86	91	90	86	88
17	110	108	110	62	52	58	86	82	84	96	86	92
18	110	110	110	66	54	60	88	84	86	98	92	94
19	110	104	108	64	58	60	110	84	90	98	92	95
20	110	104	107	62	54	59	98	86	92	98	94	96
21	104	100	103	62	50	54	92	84	89	98	94	95
22	104	98	102	58	50	54	92	80	86	94	88	92
23	104	100	102	52	48	51	86	76	81	96	90	94
24	102	94	97	54	48	51	88	84	86	92	88	91
25	94	90	93	54	50	53	96	90	94	92	86	89
26	90	72	83	64	52	57	94	90	92	94	88	91
27	70	58	65	66	62	64	100	88	92	92	86	90
28	58	50	56	68	64	66	100	94	96	92	86	89
29	---	---	---	70	64	67	98	88	93	90	80	86
30	---	---	---	66	58	62	94	86	90	82	78	80
31	---	---	---	60	48	55	---	---	---	80	78	79
MONTH	110	50	95	80	44	59	110	48	85	98	78	88



## STREAMS ON LONG ISLAND

01304500 PECONIC RIVER AT RIVERHEAD, NY--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	16.5	15.5	16.0	12.0	10.0	11.0	5.5	4.5	5.0	6.0	2.5	4.5
2	18.0	16.0	16.5	11.5	10.5	11.0	5.0	3.5	4.5	8.0	6.0	7.0
3	17.0	15.5	16.5	11.5	10.0	11.0	5.0	3.5	4.0	7.5	3.5	5.0
4	15.5	14.5	15.5	11.0	10.5	10.5	9.5	4.5	7.0	3.0	1.5	2.0
5	16.0	15.0	15.5	12.0	10.5	11.0	9.5	8.5	9.0	2.0	1.5	2.0
6	16.0	15.5	16.0	12.0	10.5	11.5	7.5	6.5	7.0	2.0	1.5	1.5
7	15.5	14.5	15.0	12.0	11.0	11.5	7.0	6.0	6.5	3.0	2.0	2.0
8	14.5	12.5	13.5	12.0	11.0	11.5	9.0	7.0	8.0	5.0	3.0	4.5
9	13.0	11.5	12.5	11.5	10.5	11.0	9.5	7.5	9.0	3.5	2.0	2.5
10	13.5	12.0	12.5	11.5	10.0	11.0	7.0	3.0	4.5	2.0	.5	1.5
11	15.0	13.0	14.0	11.0	10.5	11.0	3.0	2.0	2.5	1.5	.5	1.0
12	15.5	14.0	14.5	10.5	10.0	10.0	3.0	2.0	2.5	1.5	1.0	1.0
13	16.5	14.5	15.5	9.5	9.0	9.0	4.0	2.0	3.0	2.0	1.5	1.5
14	16.5	16.0	16.5	11.0	8.5	10.0	4.0	2.5	3.0	2.5	2.0	2.5
15	15.5	13.0	14.0	12.0	11.0	11.5	2.5	1.5	2.0	2.0	.0	.5
16	13.0	11.5	12.0	11.0	10.0	10.5	3.0	2.0	2.5	1.5	.5	1.0
17	12.0	10.5	11.5	10.0	9.0	9.5	4.5	2.0	3.5	1.5	1.0	1.0
18	11.5	10.0	11.0	13.5	9.5	12.0	2.0	.0	1.0	1.5	.0	1.0
19	12.0	11.0	11.5	12.0	10.0	11.0	1.0	.0	.5	3.0	.0	1.0
20	13.0	11.5	12.5	10.0	8.5	9.0	1.5	.5	1.0	1.0	.5	1.0
21	13.0	11.5	12.0	8.5	7.0	8.0	4.0	2.0	3.0	4.0	1.0	2.5
22	14.0	12.0	13.0	7.0	7.0	7.0	2.5	1.5	2.5	3.0	1.5	2.0
23	15.0	13.5	14.0	7.0	6.5	6.5	2.5	2.0	2.0	2.5	1.0	1.5
24	14.0	3.0	12.5	8.5	6.5	7.5	3.0	2.5	2.5	3.5	1.5	2.5
25	12.0	10.5	11.5	7.5	4.5	6.5	4.5	2.5	4.0	4.0	3.0	3.5
26	13.5	12.0	13.0	4.5	2.0	3.0	3.5	2.0	2.5	4.0	3.0	3.5
27	14.5	13.5	14.0	2.0	1.5	2.0	2.5	1.5	2.0	4.5	3.5	4.0
28	13.5	12.0	12.5	3.5	1.5	3.0	1.0	.0	.5	4.0	3.5	4.0
29	12.5	11.0	12.0	4.0	2.5	3.0	2.5	.0	1.0	4.5	3.5	4.0
30	11.5	10.5	11.5	6.0	4.0	5.0	2.0	1.5	1.5	3.5	2.5	3.0
31	11.5	9.5	10.5	---	---	---	2.5	1.5	2.0	3.5	2.0	2.5
MONTH	18.0	3.0	13.5	13.5	1.5	9.0	9.5	.0	3.5	8.0	.0	2.5
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	2.5	.5	1.5	5.0	2.5	3.5	14.5	12.0	13.5	18.5	16.0	17.5
2	1.0	.0	.5	4.5	4.0	4.5	13.5	9.5	10.5	18.0	14.5	16.5
3	1.0	.0	.5	5.5	4.0	5.0	10.5	10.0	10.0	17.5	15.5	16.5
4	2.0	.5	1.0	6.0	4.5	5.0	10.0	8.5	9.5	18.0	15.0	16.5
5	1.5	.0	.5	8.0	5.5	7.0	11.0	8.0	9.5	18.0	15.0	16.5
6	4.0	.0	1.0	9.0	7.5	8.5	10.5	7.5	9.0	18.0	15.0	16.5
7	.5	.5	.5	9.5	9.0	9.0	8.5	5.0	7.0	19.0	15.0	17.0
8	1.5	.5	1.0	9.5	8.5	9.0	9.5	5.5	8.0	21.0	16.0	18.5
9	1.5	.5	1.0	10.0	7.5	9.0	9.5	7.0	8.0	22.5	18.0	20.5
10	1.0	.5	1.0	9.5	8.5	9.0	10.0	6.5	8.0	24.0	20.0	22.0
11	1.5	.5	1.0	9.0	6.0	8.0	11.5	7.5	9.5	22.5	21.0	21.5
12	1.5	.5	1.0	5.5	4.0	5.0	12.5	9.5	11.0	20.5	18.0	18.5
13	1.5	1.0	1.0	6.5	3.5	5.0	12.0	10.0	11.0	18.0	17.5	17.5
14	1.0	.5	.5	8.0	6.0	7.0	11.0	9.0	9.5	17.5	17.0	17.5
15	1.5	.5	1.0	7.0	4.5	5.5	9.0	8.5	9.0	18.5	17.0	17.5
16	1.5	1.0	1.0	5.5	3.0	4.0	9.0	8.5	9.0	20.5	17.0	18.5
17	1.5	.5	1.0	6.0	4.5	5.0	11.5	8.0	9.5	19.5	17.5	19.0
18	1.0	.5	1.0	7.0	4.0	5.5	12.5	9.0	11.0	18.5	16.5	17.0
19	1.0	.5	.5	8.0	4.5	6.5	13.0	10.0	12.0	17.0	16.0	16.0
20	2.5	.5	1.0	9.0	6.0	7.5	14.0	10.5	12.5	17.5	15.5	16.5
21	2.0	1.0	1.5	10.5	7.0	8.5	15.5	11.5	13.5	19.0	17.0	17.5
22	4.0	1.5	2.5	12.0	8.0	10.0	15.5	12.0	14.0	21.0	17.5	19.0
23	3.0	2.0	2.5	13.5	9.5	11.5	17.5	14.0	16.0	19.5	17.0	17.5
24	4.0	2.5	3.0	13.5	10.5	12.0	18.0	15.0	16.5	18.5	17.0	17.5
25	3.0	2.5	3.0	13.5	11.5	12.5	17.0	15.0	16.0	19.0	17.5	18.0
26	2.5	2.5	2.5	12.5	10.5	11.5	16.5	15.0	16.0	21.0	17.5	19.0
27	2.5	2.0	2.0	10.0	7.5	9.0	16.5	15.0	16.0	19.5	17.5	18.5
28	4.5	1.5	3.0	10.0	7.0	8.5	17.0	15.0	16.0	18.5	17.0	18.0
29	---	---	---	10.5	8.0	9.0	19.0	15.0	17.0	21.5	17.0	19.5
30	---	---	---	11.5	10.0	10.5	19.5	16.0	18.0	21.5	18.5	20.0
31	---	---	---	13.5	10.0	11.5	---	---	---	22.0	19.5	20.5
MONTH	4.5	.0	1.5	13.5	2.5	8.0	19.5	5.0	12.0	24.0	14.5	18.0

## STREAMS ON LONG ISLAND

53

01304500 PECONIC RIVER AT RIVERHEAD, NY--Continued

## TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	23.0	20.0	21.5	23.5	21.5	22.5	28.0	25.0	26.5	24.5	23.0	23.5
2	22.5	19.5	21.0	23.0	21.5	22.0	27.0	26.0	26.5	23.0	22.0	22.0
3	22.0	19.0	20.0	24.0	21.0	22.5	27.0	25.5	26.0	23.5	22.0	22.5
4	19.0	18.5	18.5	23.5	20.5	21.5	26.0	25.0	25.5	24.5	22.5	23.5
5	22.0	17.5	19.5	21.0	18.5	20.0	27.5	24.0	25.5	24.5	23.5	24.0
6	22.0	19.5	21.0	21.5	18.5	20.0	27.0	25.0	26.0	23.5	22.0	23.0
7	22.5	19.5	21.0	22.5	19.5	21.0	25.5	23.5	24.5	23.0	21.5	22.0
8	22.5	20.0	21.5	23.0	21.0	22.0	25.5	23.5	24.5	22.5	21.0	22.0
9	23.5	21.0	22.0	24.0	21.5	23.0	26.0	24.0	25.0	21.0	19.5	20.5
10	24.5	21.5	23.0	23.5	21.5	22.5	26.0	23.5	24.5	20.5	18.5	19.5
11	24.0	21.5	23.0	24.0	21.5	22.5	24.5	21.5	23.5	21.0	19.0	20.0
12	22.5	19.5	20.5	25.0	23.0	24.0	21.5	17.5	19.5	21.0	18.5	19.5
13	21.5	18.0	20.0	26.5	23.5	25.0	20.0	17.0	18.5	20.0	18.5	19.5
14	22.5	18.5	21.0	27.5	24.5	26.0	21.5	19.5	20.5	21.5	19.5	20.5
15	23.0	19.5	21.5	26.5	24.0	25.5	20.5	18.5	19.5	21.5	20.5	21.0
16	23.0	20.5	22.0	25.5	23.0	24.0	20.0	17.5	19.0	21.0	19.0	20.0
17	24.0	20.5	22.5	25.5	24.5	25.0	21.0	18.5	20.0	20.5	18.5	19.5
18	23.5	21.0	22.5	25.0	24.0	24.5	20.0	18.0	19.0	20.0	18.5	19.5
19	23.5	21.0	22.5	26.5	23.5	25.0	19.0	17.5	18.0	20.0	18.0	19.0
20	23.5	20.5	22.5	26.0	24.0	25.0	21.0	18.5	19.5	18.0	16.5	17.0
21	23.5	21.5	22.5	25.5	24.0	24.5	21.5	20.0	20.5	16.5	16.0	16.5
22	22.5	21.0	21.5	26.0	23.5	24.5	22.5	20.0	21.5	17.0	16.5	17.0
23	23.5	20.0	22.0	26.0	24.0	25.0	22.0	21.0	21.5	17.5	16.0	16.5
24	23.0	20.5	21.5	26.0	24.0	25.0	22.5	21.0	21.5	16.5	15.5	16.0
25	22.0	19.0	20.5	25.5	24.5	25.0	23.5	22.0	22.5	16.0	15.5	15.5
26	22.0	19.5	21.0	26.0	24.5	25.0	23.0	22.0	22.5	17.0	15.0	16.0
27	22.0	19.0	21.0	28.5	25.0	26.5	24.0	22.0	23.0	17.0	16.0	16.5
28	22.0	20.5	21.0	27.5	25.5	26.5	24.5	23.0	23.5	16.5	15.5	16.0
29	23.0	20.0	21.5	26.5	25.0	25.5	24.0	23.5	24.0	18.5	16.5	17.5
30	22.5	21.5	22.0	26.0	24.0	25.0	24.5	23.0	24.0	18.0	17.0	17.5
31	---	---	---	26.5	24.5	25.5	25.5	23.0	24.0	---	---	---
MONTH	24.5	17.5	21.5	28.5	18.5	24.0	28.0	17.0	22.5	24.5	15.0	19.5
YEAR	28.5	.0	13.0									

## SUSPENDED SEDIMENT DISCHARGE

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT , 1978					
24...	0845	39	10	1.1	--
DEC					
05...	0930	49	17	2.2	--
JAN , 1979					
10...	1045	77	6	1.2	--
30...	1000	147	4	1.6	--
MAR					
13...	1030	123	6	2.0	--
APR					
24...	0930	72	16	3.1	88
JUN					
06...	1200	83	5	1.1	--
JUL					
25...	0900	43	6	.70	--
AUG					
14...	0900	56	4	.60	--
28...	0930	42	4	.45	--

01304500 PECONIC RIVER AT RIVERHEAD, NY--Continued

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## PHYTOPLANKTON

DATE TIME	OCT 24, 78 0845	DEC 5, 78 0930	MAR 13, 79 1030	APR 24, 79 0930	JUL 25, 79 0900	AUG 14, 79 0900						
TOTAL CELLS/ML	44	650	2000	26	2500	1300						
DIVERSITY: DIVISION	0.0	1.3	1.7	0.0	1.3	1.2						
.. CLASS	0.9	1.3	1.8	0.0	1.3	1.2						
.. ORDER	0.9	1.3	2.3	0.0	2.2	2.1						
.. FAMILY	1.6	1.9	2.6	0.0	2.6	2.1						
.. GENUS	1.6	2.2	2.8	0.0	2.9	2.3						
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT				
CHLOROPHYTA (GREEN ALGAE)												
.. CHLOROPHYCEAE												
.. CHLOROCOCCALES												
.. OOCYSTACEAE												
.. ANKISTRODESMUS	--	-	--	-	--	-	26	1	--	-		
.. KIRCHNERIELLA	--	-	--	-	--	-	100	4	--	-		
.. TETRAEDRON	--	-	--	-	--	-	13	1	--	-		
.. WESTELLA	--	-	--	-	--	-	470#	19	--	-		
.. SCENEDESMACEAE												
.. CRUCIGENIA	--	-	--	-	--	-	--	-	150	12		
.. SCENEDESMUS	--	-	120#	18	220	11	26#100	6	77	6		
.. TETRASTRUM	--	-	--	-	--	-	52	2	--	-		
.. TETRASPORALES												
.. PALMELLACEAE												
.. SPHAEROCYSTIS	--	-	--	-	240	12	--	-	930#	38		
.. VOLVOCALES												
.. CHLAMYDOMONADACEAE												
.. CHLAMYDOMONAS	--	-	--	-	140	7	--	-	65	3		
.. VOLVOCAEAE												
.. EUDORINA	--	-	--	-	--	-	--	-	410#	31		
CHRYSOPHYTA												
.. BACILLARIOPHYCEAE												
.. CENTRALES												
.. COSCINODISCACEAE												
.. CYCLOTELLA	--	-	--	-	28	1	--	-	26	1	13	1
.. PENNALES												
.. ACHNANTHACEAE												
.. COCCONEIS	15#	33	--	-	14	1	--	-	--	-	--	-
.. EUNOTIACEAE												
.. EUNOTIA	15#	33	--	-	14	1	--	-	--	-	--	-
.. FRAGILARIACEAE												
.. FRAGILARIA	--	-	300#	47	200	10	--	-	140	6	--	-
.. SYNEDRA	--	-	43	7	150	8	--	-	--	-	--	-
.. GOMPHONEMATACEAE												
.. GOMPHONEMA	--	-	--	-	14	1	--	-	--	-	--	-
.. NAVICULACEAE												
.. PINNULARIA	--	-	29	4	--	-	--	-	--	-	--	-
.. NITZSCHIACEAE												
.. NITZSCHIA	--	-	58	9	14	1	--	-	26	1	13	1
.. TABELLARIACEAE												
.. TABELLARIA	--	-	--	-	28	1	--	-	--	-	--	-



01304500 PECONIC RIVER AT RIVERHEAD, NY--Continued

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## PHYTOPLANKTON

DATE TIME	OCT 24, 78 0845		DEC 5, 78 0930		MAR 13, 79 1030		APR 24, 79 0930		JUL 25, 79 0900		AUG 14, 79 0900	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHRYSOPHYCEAE												
.. CHRYSOMONADALES												
... MALLOMONADACEAE												
.... MALLOMONAS	--	-	--	-	14	1	--	-	--	-	--	-
... DCHROMONADACEAE												
.... DCHROMONAS	15#	33	--	-	28	1	--	-	--	-	--	-
CRYPTOPHYTA (CRYPTOMONADS)												
.. CRYPTOPHYCEAE												
... CRYPTOMONADALES												
... CRYPTOCHRYSIDACEAE												
.... CHROOMONAS	--	-	--	-	--	-	--	-	26	1	--	-
... CRYPTOMONADACEAE												
.... CRYPTOMONAS	--	-	--	-	14	1	--	-	270	11	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)												
.. CYANOPHYCEAE												
... CHROOCOCCALES												
... CHROOCOCCACEAE												
.... ANACYSTIS	--	-	--	-	--	-	--	-	140	6	150	12
... HORMOGONALES												
... OSCILLATORIACEAE												
.... LYNGBYA	--	-	--	-	840#	4	--	-	--	-	--	-
.... OSCILLATORIA	--	-	87	13	--	-	--	-	--	-	490#	37
EUGLENOPHYTA (EUGLENOIDS)												
.. EUGLENOPHYCEAE												
... EUGLENALES												
... EUGLENACEAE												
.... EUGLENA	--	-	14	2	--	-	--	-	--	-	13	1
.... TRACHELOMONAS	--	-	--	-	14	-	--	-	13	1	13	1
PYRRHOPHYTA (FIRE ALGAE)												
.. DINOPHYCEAE												
... PERIDINIALES												
... GLENODINIACEAE												
.... GLENODINIUM	--	-	--	-	--	-	--	-	13	1	--	-

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

## PERIPHYTON

Date	Length of exposure (days)	Biomass (g/m <sup>2</sup> )		Chlorophyll a (mg/m <sup>2</sup> )	Chlorophyll b (mg/m <sup>2</sup> )	Biomass pigment ratio	Sampling method
		Dry weight	Ash weight				
Jan. 10 to 30	20	0.000	0.000	0.000	0.000	--	Polyethylene strip
Aug. 14 to Sept. 20	37	1.10	.870	4.30	2.02	53.5	Polyethylene strip

## STREAMS ON LONG ISLAND

01305000 CARMANS RIVER AT YAPHANK, NY

(National stream-quality accounting network station)

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

DRAINAGE AREA.--About 71 mi<sup>2</sup> (184 km<sup>2</sup>).

## WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1141: Drainage area.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 17.95 ft (5.471 m) National Geodetic Vertical Datum of 1929. Prior to Feb. 2, 1967, at same site at datum 1.00 ft (0.30 m) higher.

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

AVERAGE DISCHARGE.--37 years, 23.7 ft<sup>3</sup>/s (0.671 m<sup>3</sup>/s).

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 96 ft<sup>3</sup>/s (2.72 m<sup>3</sup>/s) Jan. 21, gage height, 1.86 ft (0.567 m); minimum, 10 ft<sup>3</sup>/s (0.28 m<sup>3</sup>/s) Feb. 6, gage height, 1.00 ft (0.305 m) (result of freezeup).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	26	28	30	47	45	42	42	40	38	33	38
2	32	26	26	37	46	44	42	41	39	38	33	38
3	30	26	26	38	45	43	43	40	43	38	33	38
4	29	26	29	32	45	43	43	42	47	37	37	38
5	29	26	31	31	44	43	42	41	45	37	41	37
6	38	26	28	31	38	54	41	40	43	37	45	37
7	33	26	27	31	47	63	40	39	41	37	44	38
8	30	26	27	40	44	52	39	39	40	36	37	37
9	29	26	37	36	42	47	43	38	40	36	36	37
10	29	26	37	33	42	46	44	39	39	36	40	36
11	28	26	32	32	41	47	41	39	40	40	38	36
12	28	26	29	31	40	46	40	39	40	40	47	35
13	28	26	29	35	40	45	39	41	39	38	49	35
14	33	26	29	46	40	46	44	45	36	40	43	35
15	31	26	29	37	40	46	44	47	38	45	41	35
16	29	26	29	35	40	45	43	43	38	36	39	35
17	29	26	31	34	39	45	42	41	39	36	38	34
18	28	30	29	35	39	45	41	41	41	36	38	34
19	28	28	27	33	40	44	40	44	39	36	40	34
20	28	26	28	34	39	44	39	41	38	35	39	33
21	28	26	32	76	39	44	39	39	38	36	38	34
22	28	26	29	62	41	44	39	39	38	35	38	45
23	28	26	29	53	40	43	39	41	38	35	37	40
24	28	28	29	55	51	43	38	46	38	35	37	38
25	27	26	40	73	54	44	39	45	38	35	38	36
26	28	26	33	60	66	44	41	43	37	35	38	36
27	28	26	32	55	55	43	56	41	37	36	39	35
28	28	29	30	51	49	42	49	41	37	35	39	35
29	28	28	28	50	---	42	46	40	37	35	42	35
30	27	31	30	49	---	42	45	41	37	34	41	40
31	27	---	29	47	---	42	---	42	---	33	39	---
TOTAL	905	798	929	1322	1233	1406	1263	1280	1180	1136	1217	1094
MEAN	29.2	26.6	30.0	42.6	44.0	45.4	42.1	41.3	39.3	36.6	39.3	36.5
MAX	38	31	40	76	66	63	56	47	47	45	49	45
MIN	27	26	26	30	38	42	38	38	36	33	33	33

CAL YR 1978 TOTAL 12195 MEAN 33.4 MAX 84 MIN 26  
WTR YR 1979 TOTAL 13763 MEAN 37.7 MAX 76 MIN 26

01305000 CARMANS RIVER AT YAPHANK, NY--Continued

## WATER-QUALITY RECORDS

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

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

## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	PH (UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, O. 7 UM-MF (COLS. / 100 ML)	STREP- TOCOCCEI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)
OCT 06.*	1410	6.8	--	8.9	--	--	--	--	6.4	--	2.4
26...	0815	6.5	--	9.2	--	--	29	14	--	7.3	--
DEC 15.*	1100	7.4	--	11.6	--	--	--	--	6.8	--	2.6
MAR 14.*	1110	6.8	--	11.0	--	--	--	--	6.9	--	2.5
MAY 01...	0930	6.8	2.0	10.8	21	--	29	15	--	7.2	--
JUN 06...	0900	5.3	1.0	8.4	59	28	28	15	--	6.9	--
13.*	1310	6.4	--	9.1	--	--	--	--	7.6	--	2.4
JUL 25...	1200	6.0	1.0	8.6	92	90	29	12	--	7.1	--
AUG 14...	1130	6.0	1.0	9.2	120	45	24	12	--	6.2	--
28...	1145	--	--	--	--	--	28	15	--	--	--
SEP 12.*	1050	6.6	--	9.0	--	--	--	--	6.2	--	2.5

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY (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)	SOLIDS, SUM OF CONSTITU- ENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
OCT 06...	--	8.5	1.1	13	9.9	12	<.5	--	--	--	--
26...	2.7	8.0	1.3	16	12	12	.0	12	--	69	.09
DEC 15...	--	8.0	1.1	17	9.6	13	<.5	--	--	--	--
MAR 14...	--	8.5	1.2	12	11	15	<.5	--	--	--	--
MAY 01...	2.6	9.0	1.0	14	12	14	.0	11	77	66	.10
JUN 06...	2.5	7.7	.9	13	13	13	.0	11	71	63	.10
13...	--	7.9	.8	13	12	13	<.5	--	--	--	--
JUL 25...	2.7	8.6	.8	17	13	13	.0	9.1	74	65	.10
AUG 14...	2.1	5.9	1.0	12	11	11	.0	9.2	73	54	.10
28...	--	--	--	--	--	--	--	--	--	66	.10
SEP 12...	--	8.2	1.2	14	10	14	<.5	--	--	--	--

## STREAMS ON LONG ISLAND

01305000 CARMANS RIVER AT YAPHANK, NY--Continued

## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	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)
OCT										
06...	.73	.00	--	.07	.03	.10	--	.00	.00	<.00
26...	.99	.01	1.0	.01	.01	.02	1.0	.01	--	--
DEC										
15...	.97	.00	--	.07	--	<.10	--	.00	.00	.00
MAR										
14...	1.0	.00	--	.04	--	<.10	--	.00	<.00	.00
MAY										
01...	--	--	.82	.02	.24	.26	1.1	.03	.01	--
JUN										
06...	--	--	1.0	.00	.22	.22	1.2	.01	.02	--
13...	.72	.00	--	.15	--	<.10	--	.01	.00	.00
JUL										
25...	--	--	.69	.00	.35	.35	1.0	.02	.01	--
AUG										
14...	--	--	.80	.00	.30	.30	1.1	.09	.00	--
28...	--	--	--	--	.32	--	1.1	--	--	--
SEP										
12...	.72	.00	--	.26	--	.10	--	.00	.01	.00

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (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, TOTAL RECOV- ERABLE (UG/L AS PB)
OCT										
06...	--	--	--	--	--	--	--	200	150	--
26...	--	--	--	--	--	--	--	190	0	--
DEC										
15...	--	--	--	--	--	--	--	250	150	--
MAR										
14...	--	--	--	--	--	--	--	200	200	--
MAY										
01...	4	3	0	0	20	1	2	640	240	8
JUN										
06...	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	340	200	--
JUL										
25...	--	--	--	--	--	--	--	--	--	--
AUG										
14...	3	2	30	2	10	2	2	340	190	2
28...	--	--	--	--	--	--	--	--	--	--
SEP										
12...	--	--	--	--	--	--	--	200	150	--

## STREAMS ON LONG ISLAND

59

01305000 CARMANS RIVER AT YAPHANK, NY--Continued

## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)
OCT										
06...	40	--	--	--	--	--	--	--	9.0	<.02
26...	50	--	--	--	--	--	--	--	--	.00
DEC										
15...	60	--	--	--	--	--	--	--	--	<.02
MAR										
14...	60	--	--	--	--	--	--	--	2.0	<.02
MAY										
01...	80	70	5	.0	.5	0	0	0	--	--
JUN										
06...	--	--	--	--	--	--	--	--	3.2	--
13...	30	--	--	--	--	--	--	--	--	<.02
JUL										
25...	--	--	--	--	--	--	--	--	3.3	--
AUG										
14...	50	40	<.5	.0	<.5	0	0	20	--	--
28...	--	--	--	--	--	--	--	--	--	--
SEP										
12...	40	--	--	--	--	--	--	--	--	<.02

## SUSPENDED SEDIMENT DISCHARGE

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
MAY , 1979					
01...	0930	42	13	1.5	91
JUN					
06...	0900	44	2	.24	--
JUL					
25...	1200	35	3	.28	--
AUG					
14...	1130	43	4	.46	--
28...	1145	39	5	.53	--



## STREAMS ON LONG ISLAND

01305000 CARMANS RIVER AT YAPHANK, NY--Continued

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## PHYTOPLANKTON

DATE TIME	MAY 1, 79 0930	JUN 6, 79 0900	JUL 25, 79 1200	AUG 14, 79 1130				
TOTAL CELLS/ML	330	65	91	13				
DIVERSITY: DIVISION	2.0	0.7	1.0	0.0				
.. CLASS	2.0	0.7	1.0	0.0				
... ORDER	2.0	0.7	1.0	0.0				
.... FAMILY	2.4	0.7	1.0	0.0				
..... GENUS	2.6	0.7	1.0	0.0				
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)								
.. CHLOROPHYCEAE								
... CHLOROCOCCALES								
.... CHARACIACEAE								
..... CHARACIUM	--	-	--	-	--	-	13#	100
.... DOCYSTACEAE								
.... ANKISTRODESMUS	14	4	--	-	--	-	--	-
... SCENEDESMACEAE								
.... SCENEDESMUS	58#	17	52#	80	52#	57	--	-
CHRYSDOPHYTA								
.. BACILLARIOPHYCEAE								
.. PENNALES								
... FRAGILARIACEAE								
.... FRAGILARIA	58#	17	--	-	39#	43	--	-
.... SYNEDRA	14	4	--	-	--	-	--	-
CRYPTOPHYTA (CRYPTOMONADS)								
.. CRYPTOPHYCEAE								
... CRYPTOMONADALES								
.... CRYPTOCHRYSIDACEAE								
..... CHROOMONAS	43	13	13#	20	--	-	--	-
... CRYPTOMONADACEAE								
.... CRYPTOMONAS	58#	17	--	-	--	-	--	-
RHODOPHYTA (RED ALGAE)								
.. RHODOPHYCEAE								
... NEMALIONALES								
.... CHANTRANSICACEAE								
..... AUDOUINELLA	87#	26	--	-	--	-	--	-

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

\* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

## PERIPHYTON

Date	Length of exposure (days)	Biomass (g/m <sup>2</sup> )		Chlorophyll a (mg/m <sup>2</sup> )	Chlorophyll b (mg/m <sup>2</sup> )	Biomass pigment ratio	Sampling method
		Dry weight	Ash weight				
May 1 to June 6	36	0.550	0.240	6.26	2.72	49.5	Polyethylene strip
Aug. 14 to Sept. 20	37	.710	.470	2.69	.000	89.2	Polyethylene strip

## STREAMS ON LONG ISLAND

61

01305500 SWAN RIVER AT EAST PATCHOGUE, NY

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

DRAINAGE AREA.--About 8.8 mi<sup>2</sup> (23 km<sup>2</sup>).

## WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1622: Drainage area.

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

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

AVERAGE DISCHARGE.--33 years, 12.6 ft<sup>3</sup>/s (0.357 m<sup>3</sup>/s).

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 54 ft<sup>3</sup>/s (1.53 m<sup>3</sup>/s) Jan. 21, gage height, 1.95 ft (0.594 m), from rating curve extended above 26 ft<sup>3</sup>/s (0.74 m<sup>3</sup>/s); minimum, 0.36 ft<sup>3</sup>/s (0.010 m<sup>3</sup>/s) Sept. 30, gage height, 0.29 ft (0.088 m) (result of regulation).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	13	13	15	18	18	20	18	17	19	21	12
2	15	13	12	19	18	18	20	18	17	19	21	13
3	14	13	12	18	18	18	20	18	22	18	21	13
4	14	13	15	16	18	18	20	19	20	19	23	12
5	14	13	17	15	18	18	20	18	17	18	22	12
6	29	13	13	16	18	23	20	18	17	18	26	15
7	17	13	12	16	18	24	19	18	17	18	24	14
8	16	13	13	20	18	20	19	18	17	18	20	13
9	15	13	24	17	18	20	21	18	17	18	19	13
10	14	13	19	16	18	19	21	18	17	18	18	13
11	14	13	14	16	17	20	20	18	17	21	20	13
12	14	13	13	16	17	19	19	18	16	21	27	13
13	14	13	13	19	17	19	19	19	17	20	28	13
14	20	13	13	21	17	20	20	20	16	20	21	13
15	16	13	13	17	17	20	18	18	16	25	19	13
16	15	13	13	17	17	20	18	18	16	23	17	13
17	14	14	14	17	17	19	17	18	18	23	15	13
18	14	16	12	17	17	18	17	18	18	23	15	13
19	13	14	12	16	17	19	17	18	18	22	16	13
20	13	13	12	17	17	19	17	18	18	22	14	13
21	13	13	17	38	17	19	18	18	18	22	14	14
22	13	12	13	20	18	19	18	18	18	22	14	27
23	13	12	13	17	17	20	18	21	18	22	13	17
24	13	14	13	20	22	20	18	23	18	22	13	15
25	13	12	21	27	21	20	18	21	18	21	13	14
26	13	12	16	20	26	20	19	18	18	21	12	14
27	13	13	16	19	20	20	26	18	18	21	12	14
28	13	14	15	19	19	19	20	18	18	21	12	14
29	13	13	15	19	---	20	20	18	18	23	16	14
30	13	16	15	18	---	20	19	21	18	22	17	14
31	13	---	15	18	---	20	---	18	---	22	13	---
TOTAL	453	396	448	576	510	606	576	576	528	642	556	417
MEAN	14. 6	13. 2	14. 5	18. 6	18. 2	19. 5	19. 2	18. 6	17. 6	20. 7	17. 9	13. 9
MAX	29	16	24	38	26	24	26	23	22	25	28	27
MIN	13	12	12	15	17	18	17	18	16	18	12	12

CAL YR 1978 TOTAL 5669. 4 MEAN 15. 5 MAX 85 MIN 9. 4  
WTR YR 1979 TOTAL 6284. 0 MEAN 17. 2 MAX 38 MIN 12

## STREAMS ON LONG ISLAND

01305500 SWAN RIVER AT EAST PATCHOGUE, NY--Continued

## WATER-QUALITY RECORDS

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

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

## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY (MG/L AS CAC03)	SULFATE DIS-SOLVED (MG/L AS SO4)
OCT 13...	95	6.1	16.0	9.8	5.9	1.9	8.3	1.2	12	10
DEC 15...	90	7.4	4.5	12.0	5.7	1.9	8.0	1.3	16	6.4
MAR 14...	114	7.1	9.0	11.0	5.8	2.0	9.0	1.6	12	7.8
JUN 13...	99	7.1	16.5	11.0	6.2	2.0	8.1	1.1	14	7.2
SEP 12...	105	6.2	17.0	10.4	5.3	2.0	7.8	1.4	11	7.1

DATE	CHLORIDE, DIS-SOLVED (MG/L AS CL)	FLUORIDE, DIS-SOLVED (MG/L AS F)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE DIS-SOLVED (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)
OCT 13...	11	<.2	1.5	1.5	.01	.01	.12	.12	.20
DEC 15...	10	<.5	1.7	1.7	.01	.01	.15	.17	.40
MAR 14...	14	<.5	1.8	1.9	.00	.00	.30	.12	.40
JUN 13...	11	<.5	1.4	1.4	.02	.01	.08	.06	.30
SEP 12...	12	<.5	1.3	2.2	.01	.01	.05	.07	<.10

DATE	NITROGEN, AMMONIA + ORGANIC DIS-SOLVED (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DIS-SOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
OCT 13...	.10	.01	.01	.00	200	100	40	5.0	<.02
DEC 15...	.20	.01	.01	.00	140	90	60	--	<.02
MAR 14...	.10	.02	.00	.00	200	100	--	2.0	<.02
JUN 13...	<.10	.02	.01	.00	260	170	80	3.0	.02
SEP 12...	.10	.01	.01	.00	100	120	30	--	<.02

## 01306000 PATCHOGUE RIVER AT PATCHOGUE, NY

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

DRAINAGE AREA.--About 13.5 mi<sup>2</sup> (35.0 km<sup>2</sup>).

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 1978 TO SEPTEMBER 1979

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)
OCT 16...	163	7.1	14.0	9.0	8.9	3.3	15	3.1	--	9.1
DEC 15...	79	7.3	4.0	11.6	8.5	3.0	14	2.8	30	8.8
MAR 14...	200	7.2	8.0	10.3	9.1	3.4	17	3.5	33	9.8
DATE	CHLORIDE, DIS-SOLVED (MG/L AS CL)	FLUORIDE, DIS-SOLVED (MG/L AS F)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE DIS-SOLVED (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	
OCT 16...	21	<.5	2.1	2.0	.02	.01	.30	.28	.20	
DEC 15...	18	<.5	1.9	1.9	.02	.02	.63	.61	.60	
MAR 14...	26	<.5	1.9	1.8	.01	.01	1.5	1.5	1.7	
DATE	NITROGEN, AMMONIA + ORGANIC DIS-SOLVED (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DIS-SOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	
OCT 16...	.30	.02	.00	.00	500	400	80	10	.04	
DEC 15...	.60	.02	.01	.00	500	400	190	--	<.02	
MAR 14...	1.6	.01	.00	.00	500	400	340	3.0	<.02	

## STREAMS ON LONG ISLAND

01306440 CONNETQUOT BROOK AT CENTRAL ISLIP, NY

LOCATION.--Lat 40°47'33", long 73°09'58", Suffolk County, Hydrologic Unit 02030202, 200 ft (61 m) downstream from culvert on Veterans Memorial Highway, 2 miles (3 km) northeast of Central Islip, and 3.8 miles (6.1 km) upstream from gaging station 01306499.

DRAINAGE AREA.--About 12 mi<sup>2</sup> (31 km<sup>2</sup>).

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

GAGE.--Water-stage recorder and Parshall flume. Altitude of gage is 30 ft (9.14 m), from topographic map.

REMARKS.--Records good.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period May to September, 40 ft<sup>3</sup>/s (1.13 m<sup>3</sup>/s) Aug. 4, gage height, 1.56 ft (0.475 m); minimum, 7.3 ft<sup>3</sup>/s (0.21 m<sup>3</sup>/s) Aug. 21, gage height, 0.53 ft (0.162 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								---	14	12	8.7	9.9
2								---	14	12	8.7	9.9
3								15	16	12	8.7	9.9
4								15	18	11	13	9.7
5								15	17	11	12	9.6
6								15	16	11	15	11
7								15	15	11	15	10
8								15	16	11	12	9.4
9								14	15	11	11	9.1
10								14	14	11	11	9.1
11								14	15	11	11	9.1
12								14	14	11	16	9.1
13								15	14	10	15	9.1
14								17	14	10	12	9.4
15								16	13	11	12	9.4
16								15	13	11	12	8.9
17								15	12	10	11	8.9
18								14	14	10	11	8.9
19								15	13	9.9	12	8.9
20								15	13	9.6	11	8.7
21								14	12	9.6	11	8.9
22								14	12	9.4	11	13
23								15	12	9.4	10	11
24								19	12	9.4	10	9.4
25								17	12	9.1	11	9.1
26								16	12	9.4	11	9.1
27								15	12	9.6	10	8.9
28								14	12	8.9	10	8.9
29								15	12	8.9	10	8.9
30								16	12	8.9	11	12
31								15	---	8.7	10	---
TOTAL	---	---	---	---	---	---	---	---	410	317.8	353.1	287.2
MEAN	---	---	---	---	---	---	---	---	13.7	10.3	11.4	9.57
MAX	---	---	---	---	---	---	---	---	18	12	16	13
MIN	---	---	---	---	---	---	---	---	12	8.7	8.7	8.7



## 01306460 CONNETQUOT BROOK NEAR CENTRAL ISLIP, NY

LOCATION.--Lat 40°46'19", long 73°09'33", Suffolk County, Hydrologic Unit 02030202, 200 ft (61 m) upstream from bridge on dirt road in Connetquot River State Park Preserve, and 1.8 mi (2.9 km) upstream from gaging station 01306499.

DRAINAGE AREA.--About 18 mi<sup>2</sup> (47 km<sup>2</sup>).

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

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

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 146 ft<sup>3</sup>/s (4.13 m<sup>3</sup>/s) Aug. 12, 1978, gage height, 2.78 ft (0.847 m) from flood marks; minimum, 20 ft<sup>3</sup>/s (0.57 m<sup>3</sup>/s) Nov. 15, 16, 22, 1977, Oct. 31, 1978, gage height, 2.04 ft (0.622 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 114 ft<sup>3</sup>/s (3.23 m<sup>3</sup>/s) Jan. 21, gage height, 2.61 ft (0.80 m); minimum, 20 ft<sup>3</sup>/s (0.57 m<sup>3</sup>/s) Oct. 31, gage height, 2.04 ft (0.622 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	24	28	32	46	54	46	43	43	39	27	36
2	27	24	27	41	46	53	46	41	43	45	28	36
3	27	24	26	46	46	51	48	41	48	36	29	36
4	27	24	29	38	44	51	47	41	51	35	58	35
5	27	24	32	36	46	51	48	41	48	35	58	34
6	41	24	31	36	44	68	48	41	46	35	54	36
7	31	24	29	38	46	81	48	41	43	34	63	35
8	28	24	29	49	46	66	47	40	43	34	53	34
9	28	24	44	43	46	60	52	40	41	34	50	34
10	27	24	43	40	46	56	51	40	40	34	50	32
11	27	25	36	38	46	58	43	43	40	34	50	32
12	27	25	34	36	46	54	43	43	38	31	62	31
13	27	26	34	40	44	53	43	44	38	31	54	29
14	31	26	32	48	43	56	49	51	44	32	46	29
15	31	26	31	40	43	53	51	51	51	38	46	31
16	31	26	31	38	43	48	49	48	51	38	45	29
17	31	27	32	36	44	48	48	46	51	36	44	29
18	28	32	31	36	44	48	48	46	44	38	45	29
19	27	29	31	35	46	48	48	46	37	38	46	28
20	26	28	31	35	46	48	48	46	36	38	44	28
21	26	28	36	85	48	48	48	46	36	43	37	29
22	26	27	35	60	51	48	48	46	36	38	36	41
23	27	27	34	49	49	47	48	46	36	35	36	34
24	27	29	34	53	64	46	48	51	36	32	36	29
25	28	28	51	72	70	48	48	46	36	32	36	27
26	29	28	41	58	78	46	49	46	35	32	36	27
27	28	29	38	53	66	45	62	46	34	34	36	27
28	27	30	36	51	56	44	53	43	34	32	36	26
29	27	30	35	49	---	44	46	41	34	29	36	29
30	26	32	32	48	---	45	43	43	40	27	36	41
31	26	---	32	48	---	46	---	41	---	27	36	---
TOTAL	874	798	1045	1407	1383	1612	1444	1368	1233	1076	1349	953
MEAN	28.2	26.6	33.7	45.4	49.4	52.0	48.1	44.1	41.1	34.7	43.5	31.8
MAX	41	32	51	85	78	81	62	51	51	45	63	41
MIN	26	24	26	32	43	44	43	40	34	27	27	26

CAL YR 1978 TOTAL 12404 MEAN 34.0 MAX 74 MIN 24  
WTR YR 1979 TOTAL 14542 MEAN 39.8 MAX 85 MIN 24

## STREAMS ON LONG ISLAND

01306500 CONNETQUOT RIVER NEAR OAKDALE, NY

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

DRAINAGE AREA.--About 24 mi<sup>2</sup> (62 km<sup>2</sup>).

## WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--WSP 1141: Drainage area.

GAGE.--Base gage (01306499): Water-stage recorder and wooden stoplog control. Datum of gage is 1.56 ft (0.475 m) National Geodetic Vertical Datum of 1929.

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

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

AVERAGE DISCHARGE.--36 years, 38.6 ft<sup>3</sup>/s (1.093 m<sup>3</sup>/s).

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

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 151 ft<sup>3</sup>/s (4.28 m<sup>3</sup>/s) Jan. 21; minimum daily, 33 ft<sup>3</sup>/s (0.93 m<sup>3</sup>/s) Nov. 12-14.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44	38	41	49	64	74	60	60	53	47	38	44
2	44	39	40	58	61	71	60	59	53	47	38	44
3	43	37	38	64	60	68	62	57	57	45	38	45
4	42	37	44	54	60	67	60	60	69	45	46	44
5	42	37	47	49	58	64	60	57	65	44	51	45
6	68	36	43	48	56	87	59	57	60	44	50	50
7	53	36	41	50	58	120	57	55	57	43	62	49
8	47	35	42	69	57	92	57	54	57	43	49	46
9	43	35	65	60	57	82	63	54	56	43	45	44
10	44	35	64	54	54	78	64	54	55	44	45	45
11	42	35	53	51	54	80	59	53	55	45	45	45
12	41	33	49	49	54	72	57	54	53	45	62	43
13	41	33	48	51	54	68	57	57	52	44	62	44
14	44	33	47	68	53	72	63	65	50	44	51	46
15	42	34	45	56	53	72	67	65	50	45	47	45
16	42	35	44	52	53	68	63	58	49	45	44	43
17	40	38	47	50	53	67	62	55	50	42	43	41
18	40	45	44	50	53	65	59	56	52	41	43	42
19	39	40	42	47	53	65	57	55	49	41	45	42
20	40	37	42	50	53	64	57	55	49	39	44	41
21	40	36	54	151	56	64	56	54	48	39	44	42
22	38	36	48	96	60	64	56	54	48	38	42	61
23	38	38	46	68	57	63	56	57	48	38	42	51
24	38	43	45	70	77	63	56	72	47	38	42	46
25	39	40	77	113	88	66	56	65	46	38	43	45
26	39	37	60	87	113	63	59	61	45	38	43	57
27	38	37	54	77	95	61	79	58	44	41	42	51
28	38	41	50	74	80	59	71	55	44	39	43	54
29	40	41	48	71	---	60	66	55	44	38	45	52
30	38	44	47	68	---	60	63	59	45	38	49	67
31	38	---	46	64	---	60	---	56	---	38	46	---
TOTAL	1305	1121	1501	2018	1744	2179	1821	1786	1550	1299	1429	1414
MEAN	42.1	37.4	48.4	65.1	62.3	70.3	60.7	57.6	51.7	41.9	46.1	47.1
MAX	68	45	77	151	113	120	79	72	69	47	62	67
MIN	38	33	38	47	53	59	56	53	44	38	38	41

CAL YR 1978 TOTAL 17249 MEAN 47.3 MAX 144 MIN 33  
WTR YR 1979 TOTAL 19167 MEAN 52.5 MAX 151 MIN 33

## 01306500 CONNETQUOT RIVER NEAR OAKDALE, NY--Continued

## WATER-QUALITY

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

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

## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)
DEC 20...	82	7.0	2.5	13.2	2.5	.0	3.8	7.1	17	5.0
MAR 15...	108	6.6	7.5	10.8	4.8	2.4	8.5	1.3	13	6.8
JUN 13...	95	7.3	16.5	11.8	5.9	2.4	7.8	.9	14	5.6
SEP 24...	99	6.6	13.2	8.8	5.0	2.4	7.1	1.3	13	5.6

DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)
DEC 20...	9.0	<.5	1.5	1.5	.00	.01	.05	.06	.30
MAR 15...	14	<.5	1.7	1.7	.00	.00	.15	.15	.30
JUN 13...	11	<.5	1.4	--	.00	.10	.08	.06	.20
SEP 24...	11	<.5	1.2	1.2	.00	.00	.24	.24	.40

DATE	NITRO- GEN, AM- MONIA + ORGANIC DIS- (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHO, 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)	CARBON, ORGANIC TOTAL (MG/L AS C)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)
DEC 20...	.30	.03	.02	.00	1000	100	200	6.0	.02
MAR 15...	.30	.02	.00	.01	200	100	100	4.0	.03
JUN 13...	<.10	.01	.00	.00	140	210	20	3.0	.02
SEP 24...	.20	.02	.01	.00	200	200	20	--	<.02

## STREAMS ON LONG ISLAND

01307000 CHAMPLIN CREEK AT ISLIP, NY

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

DRAINAGE AREA.--About 6.5 mi<sup>2</sup> (16.5 km<sup>2</sup>).

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 1978 TO SEPTEMBER 1979

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)
JAN 17...	225	6.3	8.0	6.7	9.0	3.0	18	2.7	21	17
MAR 15...	235	--	--	--	9.5	2.9	24	2.7	18	19
JUN 08...	280	6.0	11.5	6.2	12	2.4	25	3.7	20	31
SEP 24...	235	5.8	13.0	6.9	9.2	2.5	21	3.1	20	20

DATE	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)
JAN 17...	26	<.5	2.3	2.4	.01	.01	1.1	1.2	1.2
MAR 15...	38	<.5	2.6	2.6	.01	.01	.94	.93	1.2
JUN 08...	36	<.5	3.7	3.7	.01	.01	2.8	2.8	2.8
SEP 24...	30	<.5	2.5	2.5	.00	.00	2.1	2.1	1.3

DATE	NITRO- GEN, AM- MONIA + ORGANIC DIS- SOLVED (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)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)
JAN 17...	1.2	.08	.01	.01	400	300	550	2.0	.04
MAR 15...	1.1	.01	.00	.01	300	200	540	3.0	--
JUN 08...	2.5	.00	.00	.00	270	220	1100	2.0	.10
SEP 24...	1.3	.00	<.00	<.00	150	100	1170	--	.03

## STREAMS ON LONG ISLAND

69

01307500 PENATAQUIT CREEK AT BAY SHORE, NY

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

DRAINAGE AREA.--About 5 mi<sup>2</sup> (13 km<sup>2</sup>).

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 1978 TO SEPTEMBER 1979

DATE	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)
JAN 19...	340	6.6	6.0	8.1	7.7	3.6	40	2.5	28	20
MAR 15...	330	6.5	9.5	8.5	15	3.2	34	4.4	28	24
JUN 08...	280	6.4	14.0	6.1	16	3.5	34	3.1	27	22
SEP 17...	320	6.6	16.0	8.1	14	3.1	34	4.9	17	24

DATE	CHLORIDE, DIS-SOLVED (MG/L AS CL)	FLUORIDE, DIS-SOLVED (MG/L AS F)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE DIS-SOLVED (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)
JAN 19...	60	<.5	3.5	3.4	.01	.01	1.5	1.5	1.5
MAR 15...	50	<.5	3.2	3.2	.01	.01	1.4	1.3	1.7
JUN 08...	51	<.5	3.3	3.3	.03	.03	.95	.97	.80
SEP 17...	44	<.5	5.5	5.5	.04	.04	1.4	1.3	1.0

DATE	NITROGEN, AMMONIA + ORGANIC DIS-SOLVED (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DIS-SOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
JAN 19...	1.5	.03	.00	.00	1300	500	900	--	.06
MAR 15...	1.5	.02	.00	.00	700	400	770	3.0	.07
JUN 08...	.80	.02	.01	.00	620	360	700	2.0	.04
SEP 17...	.90	.02	.01	<.00	400	100	800	--	.03

## STREAMS ON LONG ISLAND

## 01308000 SAMPAWAMS CREEK AT BABYLON, NY

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

DRAINAGE AREA.--About 23 mi<sup>2</sup> (60 km<sup>2</sup>).

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1944 to current year (monthly means estimated December 1966 to November 1967).

REVISED RECORDS.--WSP 1141: Drainage area: WSP 1702: 1955(M), 1956(M). WRD NY 1974: 1970(P).

GAGE.--Water-stage recorder and concrete control. Datum of gage is 6.36 ft (1.939 m) National Geodetic Vertical Datum of 1929. October 1944 to December 1966, water-stage recorder at site 100 ft (30 m) east at datum 0.34 ft (0.104 m) higher.

REMARKS.--Records good except those from July to September, which are fair. Flow regulated slightly by pumping operations at railroad and occasionally by ponds above station. Indeterminate effect caused by ground-water pumpage for water-supply purposes at Smith Street substation 0.2 mi (0.3 km) northwest of gage. Prior to November 1950, slight diurnal fluctuation caused by power operations.

AVERAGE DISCHARGE.--35 years, 9.66 ft<sup>3</sup>/s (0.274 m<sup>3</sup>/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 136 ft<sup>3</sup>/s (3.85 m<sup>3</sup>/s) Sept. 12, 1960, gage height, 2.11 ft (0.643 m) datum then in use; maximum gage height, 3.28 ft (1.000 m) Feb. 7, 1971; minimum discharge, 1.6 ft<sup>3</sup>/s (0.045 m<sup>3</sup>/s) June 28, 1963, gage height, 0.13 ft (0.040 m) datum then in use.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 55 ft<sup>3</sup>/s (1.56 m<sup>3</sup>/s) and maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Discharge (m <sup>3</sup> /s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft <sup>3</sup> /s)	Discharge (m <sup>3</sup> /s)	Gage height (ft)	Gage height (m)
Oct. 6	0300	a102	2.89	2.33	0.71	Mar. 6	1800	76	2.15	1.66	0.51
Dec. 25	0345	a88	2.49	1.88	.57	May 23	2345	64	1.81	1.44	.44
Jan. 21	0615	a*113	3.20	*2.39	.73	Aug. 4	1545	65	1.84	1.85	.56
Jan. 24	2145	75	2.12	1.56	.48	Aug. 30	0545	68	1.93	2.15	.66
Feb. 26	0630	68	1.93	1.51	.46	Sept. 30	0915	70	1.98	1.86	.57

a From rating extended above 80 ft<sup>3</sup>/s (2.27 m<sup>3</sup>/s).

Minimum discharge, 5.5 ft<sup>3</sup>/s (0.156 m<sup>3</sup>/s) Nov. 10, 12, 13, 15-17, gage height, 0.25 ft (0.076 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	6.5	7.1	10	17	18	14	14	15	14	13	9.4
2	7.9	6.5	6.8	21	17	17	15	13	14	14	13	9.1
3	6.8	6.1	6.9	14	16	17	15	13	18	13	13	8.7
4	6.5	6.5	11	11	16	17	15	13	22	13	32	14
5	6.1	6.1	11	11	16	17	15	12	17	13	25	14
6	33	6.1	8.1	11	15	36	14	12	18	13	16	22
7	16	6.1	7.5	12	15	33	13	12	17	13	14	18
8	11	6.1	9.2	19	15	22	14	12	17	12	12	12
9	8.7	6.1	26	14	15	20	18	12	16	12	10	10
10	8.3	5.8	14	11	14	20	16	11	16	12	10	16
11	7.6	5.8	11	11	14	23	14	11	16	14	11	14
12	7.2	5.8	10	11	14	20	14	12	15	13	25	16
13	6.8	6.8	9.8	18	14	19	14	15	15	13	19	15
14	9.4	6.1	9.6	19	14	21	18	20	14	16	13	11
15	7.2	5.8	9.5	13	14	19	16	16	14	13	11	11
16	6.8	5.8	9.1	12	13	18	14	14	14	13	10	8.7
17	6.5	6.8	12	12	13	18	14	13	14	13	9.8	16
18	6.1	9.8	9.9	11	13	18	14	13	14	13	10	16
19	6.5	6.5	9.5	11	14	18	13	14	14	13	11	15
20	6.1	6.1	9.5	12	13	17	13	13	14	13	9.8	13
21	6.1	6.2	18	70	16	17	13	13	14	13	9.4	18
22	6.1	6.1	11	24	17	17	13	12	13	13	9.1	23
23	7.2	6.0	9.6	20	15	17	13	19	13	12	8.7	12
24	6.1	8.4	11	32	26	17	13	23	13	12	8.7	11
25	6.1	6.4	32	32	23	17	13	18	12	12	13	8.7
26	6.5	5.9	12	23	35	16	14	17	12	13	9.1	9.8
27	6.5	7.2	10	20	22	16	23	15	12	13	7.6	7.9
28	6.5	8.0	9.1	19	19	15	17	15	12	13	7.2	7.6
29	6.5	7.1	9.1	18	---	15	15	15	12	13	8.7	7.6
30	6.1	9.6	9.1	18	---	15	14	19	12	13	26	24
31	6.1	---	9.1	17	---	15	---	17	---	13	16	---
TOTAL	257.3	198.1	347.5	557	465	585	441	448	439	403	411.1	398.5
MEAN	8.30	6.60	11.2	18.0	16.6	18.9	14.7	14.5	14.6	13.0	13.3	13.3
MAX	33	9.8	32	70	35	36	23	23	22	16	32	24
MIN	6.1	5.8	6.8	10	13	15	13	11	12	12	7.2	7.6

CAL YR 1978 TOTAL 4315.9 MEAN 11.8 MAX 77 MIN 3.5  
WTR YR 1979 TOTAL 4950.5 MEAN 13.6 MAX 70 MIN 5.8



## 01308000 SAMPAWAMS CREEK AT BABYLON, NY--Continued

## WATER-QUALITY RECORDS

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

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

## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY (MG/L AS $\text{CaCO}_3$ )	SULFATE DIS-SOLVED (MG/L AS $\text{SO}_4$ )
OCT 13...	233	5.8	16.5	6.8	13	3.4	21	3.7	20	24
DEC 19...	227	6.4	3.5	7.8	12	3.3	23	3.5	28	24
MAR 15...	230	6.7	8.0	8.4	11	3.2	19	3.1	27	23
JUN 08...	205	6.4	17.5	7.5	12	3.2	18	3.1	26	24
SEP 17...	230	6.4	17.0	5.3	11	3.2	20	3.5	17	22

DATE	CHLORIDE, DIS-SOLVED (MG/L AS CL)	FLUORIDE, DIS-SOLVED (MG/L AS F)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE DIS-SOLVED (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)
OCT 13...	29	< .2	3.5	3.5	.06	.05	.90	.91	.90
DEC 19...	33	< .5	2.8	2.9	.01	.01	1.9	2.0	2.0
MAR 15...	28	< .5	2.8	2.7	.01	.01	1.7	1.7	2.0
JUN 08...	26	< .5	2.6	2.6	.04	.04	1.5	1.6	1.5
SEP 17...	29	< .5	3.5	3.6	.03	.03	.32	.34	.30

DATE	NITROGEN, AMMONIA + ORGANIC DIS-SOLVED (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DIS-SOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
OCT 13...	1.0	.01	.00	.00	500	300	1530	10	.17
DEC 19...	1.8	.01	.00	.00	600	400	950	--	.09
MAR 15...	2.0	.02	.00	.00	800	500	940	4.0	.08
JUN 08...	1.5	.02	.01	.00	920	600	750	4.0	.07
SEP 17...	.20	.01	.01	< .00	200	100	210	--	.05

## STREAMS ON LONG ISLAND

01308500 CARLLS RIVER AT BABYLON, NY

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

DRAINAGE AREA.--About 35 mi<sup>2</sup> (91 km<sup>2</sup>).

## WATER-DISCHARGE RECORDS

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

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

GAGE.--Water-stage recorder and concrete control. Datum of gage is 10.63 ft (3.240 m) National Geodetic Vertical Datum of 1929.

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

AVERAGE DISCHARGE.--35 years, 26.7 ft<sup>3</sup>/s (0.756 m<sup>3</sup>/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 243 ft<sup>3</sup>/s (6.88 m<sup>3</sup>/s) Jan. 21, 1979, gage height, 2.26 ft (0.689 m); minimum, 0.05 ft<sup>3</sup>/s (0.001 m<sup>3</sup>/s) Sept. 4, 1963, July 6, 1966, Aug. 29, 1972 (result of regulation); minimum gage height, 0.03 ft (0.009 m) July 6, 1966, Aug. 29, 1972 (result of regulation); minimum daily, 4.5 ft<sup>3</sup>/s (0.13 m<sup>3</sup>/s) July 6, 1966.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 243 ft<sup>3</sup>/s (6.88 m<sup>3</sup>/s) Jan. 21, gage height, 2.26 ft (0.689 m); minimum, 18 ft<sup>3</sup>/s (0.51 m<sup>3</sup>/s) Oct. 21, gage height, 0.61 ft (0.186 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	20	26	35	47	60	39	43	41	29	21	26
2	24	20	24	59	46	55	40	40	38	29	20	26
3	21	20	22	62	45	52	43	40	48	26	20	26
4	21	20	33	41	45	51	43	40	67	26	73	24
5	21	20	37	38	44	50	43	38	52	26	61	24
6	58	20	28	38	42	92	40	36	47	24	35	38
7	34	20	25	40	42	129	38	36	41	24	40	31
8	26	19	27	70	42	76	37	36	41	24	33	26
9	23	20	65	50	41	66	49	34	40	26	28	24
10	22	19	61	44	41	61	50	34	39	29	26	24
11	24	19	37	41	41	68	41	34	38	29	27	24
12	24	19	34	39	40	60	39	34	37	27	52	26
13	22	19	33	46	40	55	38	42	35	25	53	25
14	24	19	31	72	39	57	49	62	34	26	39	26
15	23	19	30	46	39	54	50	54	37	26	33	27
16	21	19	29	43	39	49	43	42	34	24	28	24
17	23	21	37	42	38	48	41	38	33	24	29	24
18	21	32	30	40	38	48	38	39	39	24	31	24
19	21	24	27	39	38	46	37	43	34	23	33	24
20	19	21	28	39	37	46	37	39	29	23	33	23
21	22	21	47	118	39	45	37	37	29	22	32	30
22	22	20	35	91	53	44	36	34	30	22	29	60
23	21	20	30	57	47	43	35	39	30	22	24	35
24	20	29	30	63	75	44	35	83	29	22	22	27
25	20	23	74	117	88	46	35	56	31	22	27	25
26	21	21	44	74	115	42	38	52	31	22	23	25
27	22	22	37	62	77	40	79	45	26	29	22	25
28	21	29	34	58	63	40	57	43	24	25	24	25
29	20	24	32	54	---	41	51	42	26	21	25	25
30	19	33	32	51	---	40	46	53	26	20	50	60
31	20	---	32	49	---	40	---	49	---	20	29	---
TOTAL	727	652	1091	1718	1381	1688	1284	1337	1086	761	1022	853
MEAN	23.5	21.7	35.2	55.4	49.3	54.5	42.8	43.1	36.2	24.5	33.0	28.4
MAX	58	33	74	118	115	129	79	83	67	29	73	60
MIN	19	19	22	35	37	40	35	34	24	20	20	23

CAL YR 1978 TOTAL 12956 MEAN 35.5 MAX 205 MIN 15  
WTR YR 1979 TOTAL 13600 MEAN 37.3 MAX 129 MIN 19

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 1978 TO SEPTEMBER 1979

DATE	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY (MG/L AS $\text{CaCO}_3$ )	SULFATE DIS-SOLVED (MG/L AS $\text{SO}_4$ )
DEC 19...	220	7.4	.0	11.8	11	3.1	24	3.5	26	26
JUN 08...	225	6.7	18.5	8.4	12	3.0	23	3.3	27	24
SEP 17...	245	6.3	19.0	7.0	10	3.1	22	3.7	17	25

DATE	CHLORIDE, DIS-SOLVED (MG/L AS CL)	FLUORIDE, DIS-SOLVED (MG/L AS F)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE DIS-SOLVED (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)
DEC 19...	32	<.5	2.8	2.8	.01	.01	1.8	1.9	2.4
JUN 08...	30	<.5	3.0	3.1	.06	.06	1.3	1.3	1.4
SEP 17...	30	<.5	.02	3.1	.40	.02	.40	.40	<.00

DATE	NITROGEN, AMMONIA + ORGANIC DIS-SOLVED (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DIS-SOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
DEC 19...	2.1	.01	.00	.00	400	200	820	--	.06
JUN 08...	1.2	.01	.00	.00	440	360	830	4.0	.04
SEP 17...	.40	.00	.01	.00	100	100	150	17	.04

## STREAMS ON LONG ISLAND

01309000 SANTAPOGUE CREEK AT LINDENHURST, NY

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

DRAINAGE AREA.--About 7 mi<sup>2</sup> (18 km<sup>2</sup>).

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 1978 TO SEPTEMBER 1979

DATE	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM TOTAL RECOVERABLE (MG/L AS CA)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY (MG/L AS CaCO <sub>3</sub> )	SULFATE DIS-SOLVED (MG/L AS SO <sub>4</sub> )
OCT 13...	335	6.5	16.0	5.9	19	4.7	30	6.0	58	40
JAN 19...	460	6.7	2.0	8.3	4.8	2.8	20	44	70	37
MAR 15...	500	7.0	8.0	8.5	25	5.9	48	12	104	35
JUN 08...	470	6.8	19.0	6.9	18	5.7	46	12	97	33
SEP 17...	400	6.7	15.0	48.0	17	4.6	36	8.5	60	31

DATE	CHLORIDE, DIS-SOLVED (MG/L AS CL)	FLUORIDE, DIS-SOLVED (MG/L AS F)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE DIS-SOLVED (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)
OCT 13...	41	<.2	1.9	1.9	.03	.03	2.8	2.8	2.6
JAN 19...	63	<.5	1.5	1.3	.01	.01	4.9	4.8	5.8
MAR 15...	59	<.5	1.2	1.2	.01	.01	6.7	6.7	6.9
JUN 08...	64	<.5	1.3	1.3	.06	.06	7.2	7.1	7.2
SEP 17...	48	<.5	1.8	1.9	.08	.00	3.5	3.5	2.6

DATE	NITROGEN, AMMONIA + ORGANIC DIS-SOLVED (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DIS-SOLVED (MG/L AS P)	PHOSPHORUS, ORTHO, DIS-SOLVED (MG/L AS P)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
OCT 13...	3.0	.01	.00	.00	400	200	780	18	.10
JAN 19...	5.7	.03	.00	.00	8000	600	1600	---	.09
MAR 15...	6.6	.11	.00	.00	2600	600	4500	8.0	.09
JUN 08...	7.0	.05	.01	.00	820	510	2400	<1.0	.10
SEP 17...	2.4	.01	.01	.00	500	400	2250	---	.05

## 01309500 MASSAPEQUA CREEK AT MASSAPEQUA, NY

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

DRAINAGE AREA.--About 38 mi<sup>2</sup> (98 km<sup>2</sup>).

## WATER-DISCHARGE RECORDS

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

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

GAGE.--Water-stage recorder and concrete control. Datum of gage is 18.31 ft (5.581 m) National Geodetic Vertical Datum of 1929. Prior to October 1903, non-recording gage at different datum. December 1936 to March 1961, at same site at datum 1.0 ft (0.30 m) higher.

REMARKS.--Records good. Discharge during part of the year was significantly supplemented by dewatering activities connected with sewer construction throughout the basin.

AVERAGE DISCHARGE.--42 years (1937-79), 11.5 ft<sup>3</sup>/s (0.326 m<sup>3</sup>/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 387 ft<sup>3</sup>/s (11.0 m<sup>3</sup>/s) July 20, 1961, gage height, 2.28 ft (0.695 m), from rating curve extended above 170 ft<sup>3</sup>/s (4.81 m<sup>3</sup>/s); minimum, 0.95 ft<sup>3</sup>/s (0.027 m<sup>3</sup>/s) Aug. 4, 1963, Nov. 2, 1965, Jan. 8, 1977 (result of freezeup); minimum gage height, 0.32 ft (0.098 m) Aug. 1, 1954, datum then in use.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 110 ft<sup>3</sup>/s (3.12 m<sup>3</sup>/s) and maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s) (m <sup>3</sup> /s)	Gage height (ft) (m)	Date	Time	Discharge (ft <sup>3</sup> /s) (m <sup>3</sup> /s)	Gage height (ft) (m)
Jan. 21	0945	a*340 9.63	*2.10 0.640	May 23	2345	150 4.25	1.64 0.500
Jan. 25	0100	150 4.25	1.64 0.500	Aug. 4	1600	156 4.42	1.66 0.506
Feb. 26	0715	a187 5.30	1.75 0.533	Sept. 30	0930	143 4.05	1.62 0.494
Mar. 6	1830	a176 4.98	1.72 0.524				

a From rating extended above 170 ft<sup>3</sup>/s (4.81 m<sup>3</sup>/s).

Minimum discharge, 6.3 ft<sup>3</sup>/s (0.18 m<sup>3</sup>/s) Dec. 20, gage height, 0.74 ft (0.226 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	8.6	7.2	12	32	27	20	31	26	11	12	9.0
2	11	8.6	6.7	35	28	25	21	32	23	13	12	8.6
3	9.0	8.6	6.7	17	25	24	22	33	35	14	12	8.6
4	9.5	8.6	12	11	24	24	20	33	39	14	46	8.1
5	8.6	8.6	14	11	22	23	20	31	29	14	19	8.1
6	27	3.6	8.1	12	20	75	19	31	26	13	20	21
7	11	8.6	7.7	17	20	56	18	29	23	12	16	11
8	9.0	8.6	9.6	34	19	37	18	28	22	11	15	9.5
9	8.6	9.0	42	17	18	33	28	27	21	11	14	9.0
10	8.1	9.0	15	19	16	31	22	27	20	11	14	8.6
11	7.7	8.6	9.5	18	16	38	19	27	20	12	14	8.6
12	8.6	8.1	8.6	17	14	30	18	26	20	9.5	36	8.6
13	11	8.1	8.1	24	14	28	18	46	20	9.0	23	8.6
14	13	8.6	7.7	28	13	31	26	47	19	11	18	10
15	11	9.0	7.2	18	12	28	22	33	18	11	17	12
16	11	8.1	7.2	20	12	26	20	30	16	11	14	8.6
17	11	9.5	11	23	12	26	22	28	24	14	12	8.1
18	11	14	7.2	26	11	25	27	28	20	16	14	8.1
19	11	8.6	6.7	26	11	24	24	42	20	15	15	8.1
20	11	8.1	6.3	25	11	23	22	30	20	15	13	7.7
21	9.5	7.7	19	191	15	23	21	28	17	15	12	10
22	9.5	7.7	8.1	49	22	22	21	27	16	15	12	34
23	9.5	7.7	7.7	39	14	23	20	44	13	15	11	11
24	9.0	12	8.1	57	42	23	20	49	12	15	11	9.0
25	8.6	7.7	40	67	30	23	19	39	11	14	15	9.0
26	8.6	7.7	11	43	73	22	20	29	11	14	8.1	9.5
27	10	8.1	9.0	38	35	21	52	27	11	15	9.5	9.5
28	8.6	10	8.1	35	30	20	35	29	10	13	13	9.0
29	8.6	7.2	8.1	34	---	21	30	27	10	15	11	9.0
30	8.6	13	9.5	33	---	21	29	38	10	14	16	35
31	8.6	---	9.5	33	---	21	---	31	---	12	10	---
TOTAL	318.2	266.3	346.6	1029	611	874	693	1007	582	404.5	484.6	334.9
MEAN	10.3	8.88	11.2	33.2	21.8	28.2	23.1	32.5	19.4	13.0	15.6	11.2
MAX	27	14	42	191	73	75	52	49	39	16	46	35
MIN	7.7	7.2	6.3	11	11	20	18	26	10	9.0	8.1	7.7

CAL YR 1978	TOTAL	5634.7	MEAN 15.4	MAX 189	MIN 4.9
WTR YR 1979	TOTAL	6951.1	MEAN 19.0	MAX 191	MIN 6.3

## STREAMS ON LONG ISLAND

01309500 MASSAPEQUA CREEK AT MASSAPEQUA, NY--Continued

## WATER-QUALITY RECORDS

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

## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE	PH	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	HARD- NESS (MG/L AS CaCO3)	HARD- NESS, NONCAR- BONATE (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)	
		(MICRO- MHOS)										
DEC 27...	1330	315	6.6	7.5	11.6	66	42	20	4.0	26	5.0	
APR 02...	0915	310	6.4	9.0	8.2	--	--	--	--	--	--	
JUN 27...	0830	305	5.4	16.0	7.1	60	43	18	3.6	28	4.3	
SEP 17...	1100	300	5.9	17.0	6.6	66	52	20	3.8	25	4.7	
DATE		BICAR- BONATE (MG/L AS HCO3)	ALKA- LINITY (MG/L AS CaCO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUD- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
DEC 27...	30	25	12	44	33	.0	10	188	6.7	7.1	.02	
APR 02...	--	--	--	--	--	--	--	--	--	5.8	--	
JUN 27...	21	17	134	39	32	.0	8.4	172	6.2	6.2	.07	
SEP 17...	--	14	34	39	32	.0	7.1	177	8.0	8.3	.04	
DATE		NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO. TOTAL (MG/L AS P)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)	
DEC 27...	2.1	.30	9.1	.03	.00	350	--	50	1900	.10		
APR 02...	--	--	--	.00	--	--	--	--	--	.20		
JUN 27...	1.1	.10	7.5	.01	.00	210	190	20	560	.10		
SEP 17...	.25	.32	8.6	.00	.01	70	--	10	280	.10		



## 01310000 BELLMORE CREEK AT BELLMORE, NY

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

DRAINAGE AREA.--About 17 mi<sup>2</sup> (44 km<sup>2</sup>).

## WATER-DISCHARGE RECORDS

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

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

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

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

AVERAGE DISCHARGE.--42 years (1937-79), 10.6 ft<sup>3</sup>/s (0.300 m<sup>3</sup>/s).

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

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 127 ft<sup>3</sup>/s (3.60 m<sup>3</sup>/s) Jan. 21; minimum daily, 3.5 ft<sup>3</sup>/s (0.099 m<sup>3</sup>/s) Nov. 16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.4	7.7	4.4	9.9	17	20	14	14	14	9.5	5.7	6.9
2	4.4	7.6	4.8	27	17	19	16	14	13	9.0	5.7	6.9
3	5.1	7.9	4.2	12	17	18	16	14	24	8.5	5.3	6.9
4	6.9	4.4	9.7	9.0	17	17	15	14	24	8.9	52	6.5
5	6.1	4.0	10	8.8	16	17	15	12	16	9.1	13	6.3
6	30	3.8	5.5	9.0	16	64	14	12	14	8.5	9.4	15
7	5.9	3.8	4.9	13	15	40	14	12	14	8.1	8.1	7.6
8	4.7	3.8	8.8	26	14	26	15	12	14	8.0	7.7	6.8
9	4.3	3.6	34	12	13	25	23	12	14	7.5	6.8	6.3
10	5.7	3.7	11	12	13	24	16	11	14	7.5	6.8	6.3
11	6.2	3.8	9.1	11	13	31	14	10	14	8.2	6.9	6.3
12	6.3	3.6	9.0	11	12	23	13	11	13	11	20	5.9
13	6.3	3.6	9.0	20	13	22	13	21	13	8.6	17	5.9
14	9.3	3.6	8.6	20	13	25	21	22	12	7.6	17	9.8
15	6.5	3.6	7.1	11	13	20	15	15	12	7.2	14	7.6
16	8.1	3.5	6.4	11	13	20	14	13	11	7.2	7.8	5.9
17	7.8	4.9	12	12	13	20	14	12	32	6.9	7.2	5.9
18	7.0	9.7	6.6	11	12	20	13	12	20	6.8	7.8	6.0
19	7.5	4.9	6.6	11	12	19	14	18	14	6.9	8.2	5.9
20	7.4	4.3	7.0	12	12	19	13	13	12	7.1	7.2	5.7
21	6.9	4.4	21	127	16	18	12	12	12	6.6	7.2	12
22	7.7	4.0	7.8	19	21	20	12	12	12	6.5	6.9	22
23	7.8	4.1	7.3	16	15	19	13	30	11	6.2	6.8	8.1
24	7.3	6.6	10	42	40	20	12	30	11	6.2	6.8	6.9
25	7.5	4.4	34	30	27	17	11	22	10	6.1	12	6.9
26	7.1	4.0	9.5	21	51	18	13	15	11	8.4	6.8	7.1
27	8.5	4.7	8.9	20	23	17	32	14	9.6	7.9	6.8	6.3
28	7.6	5.8	8.4	21	20	15	22	18	9.6	5.8	7.9	6.5
29	7.1	5.1	7.9	19	---	16	16	15	9.6	6.5	10	6.5
30	7.1	9.4	8.0	18	---	15	14	23	9.2	6.3	9.6	31
31	7.6	---	8.2	18	---	15	---	16	---	5.7	7.2	---
TOTAL	232.1	148.3	309.7	619.7	494	679	459	481	419.0	234.3	321.6	253.7
MEAN	7.49	4.94	9.99	20.0	17.6	21.9	15.3	15.5	14.0	7.56	10.4	8.46
MAX	30	9.7	34	127	51	64	32	30	32	11	52	31
MIN	4.3	3.5	4.2	8.8	12	15	11	10	9.2	5.7	5.3	5.7

CAL YR 1978 TOTAL 4492.2 MEAN 12.3 MAX 124 MIN 3.1  
WTR YR 1979 TOTAL 4651.4 MEAN 12.7 MAX 127 MIN 3.5

## STREAMS ON LONG ISLAND

01310000 BELLMORE CREEK AT BELLMORE, NY--Continued

## WATER-QUALITY RECORDS

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

## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L 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)
DEC 27...	1230	340	6.6	7.0	10.0	76	45	24	3.9	31	5.1
APR 02...	1000	350	6.5	10.0	8.3	--	--	--	--	--	--
JUN 27...	0715	340	4.8	16.0	5.8	65	39	20	3.6	35	4.4
SEP 17...	0945	345	6.3	17.0	4.5	67	49	21	3.5	33	4.6

DATE	BICAR- BONATE (MG/L AS HCO3)	ALKA- LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
DEC 27...	38	31	15	40	39	.0	11	203	6.5	6.8	.04
APR 02...	--	--	--	--	--	--	--	--	--	7.3	--
JUN 27...	31	25	--	39	39	.0	8.9	198	7.0	7.2	.13
SEP 17...	--	18	18	36	38	.0	7.2	182	6.2	6.2	.09

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO. TOTAL (MG/L AS P)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)
DEC 27...	2.1	.00	8.3	.00	.00	290	--	60	970	.10
APR 02...	--	--	--	.00	--	--	--	--	--	.10
JUN 27...	.53	.25	7.9	.01	.00	200	170	30	220	.10
SEP 17...	.81	.39	7.5	.01	.00	200	--	50	470	.10

## 01310500 EAST MEADOW BROOK AT FREEPORT, NY

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

DRAINAGE AREA.--About 31 mi<sup>2</sup> (80 km<sup>2</sup>).

## WATER-DISCHARGE RECORDS

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

REVISED RECORDS.--NY 1972: 1967-71 (P).

GAGE.--Water-stage recorder and concrete control. Datum of gage is 10.45 ft (3.185 m) National Geodetic Vertical Datum of 1929. Prior to October 1885, determinations of flow by various methods at different site and datum. June to October 1903, weir in swamp at head of Brooklyn waterworks supply pond. January 1937 to November 1962, water-stage recorder and concrete control at site 81 ft (25 m) east at datum 0.47 ft (0.143 m) higher.

REMARKS.--Records good.

AVERAGE DISCHARGE.--42 years (1937-79), 15.0 ft<sup>3</sup>/s (0.425 m<sup>3</sup>/s).

EXTREMES FOR PERIOD OF RECORD (1903 AND SINCE 1937).--Maximum discharge, 835 ft<sup>3</sup>/s (23.6 m<sup>3</sup>/s) Sept. 12, 1960, gage height, 4.38 ft (1.335 m) datum then in use, from rating curve extended above 280 ft<sup>3</sup>/s (7.93 m<sup>3</sup>/s) on basis of flow-through-culvert and contracted-opening measurement of peak flow; no flow Aug. 26, 1971.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 250 ft<sup>3</sup>/s (7.08 m<sup>3</sup>/s) and maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)	Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Oct. 6	0615	425	12.0	Mar. 6	1800	260	7.36
Jan. 21	1015	*789	22.3	Aug. 4	1430	298	8.44
Feb. 26	0730	320	9.06				

Minimum, 4.4 ft<sup>3</sup>/s (0.12 m<sup>3</sup>/s) Nov. 13, gage height, 0.28 (0.085 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.3	6.8	7.7	13	19	23	20	21	22	18	11	11
2	7.3	6.0	6.4	49	18	22	23	21	21	16	11	11
3	7.3	5.6	5.6	23	19	21	26	20	50	15	10	11
4	7.3	5.6	16	12	19	21	22	20	47	15	89	11
5	7.3	5.2	19	11	19	21	24	19	27	15	23	11
6	119	5.2	7.3	11	18	137	20	18	24	14	25	55
7	18	5.2	6.0	22	18	65	18	18	22	14	17	14
8	13	5.2	10	52	18	33	19	17	21	13	14	12
9	11	4.8	76	16	18	29	37	17	22	13	13	11
10	11	4.8	24	13	17	28	27	17	21	13	13	10
11	11	4.8	12	12	17	48	19	17	21	17	13	9.6
12	11	4.8	9.8	12	17	27	19	18	20	15	55	9.6
13	10	4.8	9.3	29	17	26	18	38	19	15	38	9.0
14	18	5.6	8.7	36	17	33	38	37	20	15	16	11
15	11	5.2	8.2	14	17	26	26	23	19	13	14	13
16	12	5.2	7.7	12	17	24	20	18	18	13	13	9.0
17	9.8	8.2	18	12	17	24	20	18	60	13	12	9.0
18	9.3	21	8.2	12	17	23	19	19	32	13	12	9.0
19	9.3	6.8	7.7	11	17	23	18	34	21	13	16	8.4
20	8.7	6.0	7.3	12	16	23	18	20	18	12	12	7.9
21	8.2	6.0	36	325	22	24	17	18	17	12	11	17
22	7.7	5.6	9.8	39	34	23	17	17	18	11	11	70
23	7.7	5.2	8.7	25	22	22	17	41	17	11	11	15
24	7.7	17	9.3	67	81	24	17	56	17	11	11	12
25	7.7	7.3	72	69	58	25	17	58	17	11	26	11
26	7.3	5.6	14	34	106	22	20	26	16	14	11	12
27	13	6.0	11	26	33	21	95	22	16	16	12	11
28	6.8	13	10	24	26	20	47	28	16	11	55	10
29	6.8	7.3	9.3	22	---	21	33	24	16	13	25	10
30	6.4	22	9.3	21	---	20	23	50	20	13	16	50
31	6.8	---	9.3	20	---	20	---	34	---	11	13	---
TOTAL	404.7	221.8	473.6	1056	734	919	754	804	695	419	629	470.5
MEAN	13.1	7.39	15.3	34.1	26.2	29.6	25.1	25.9	23.2	13.5	20.3	15.7
MAX	119	22	76	325	106	137	95	58	60	18	89	70
MIN	6.4	4.8	5.6	11	16	20	17	17	16	11	10	7.9

CAL YR	TOTAL	MEAN	MAX	MIN
1978	6753.9	18.5	301	4.8
1979	7580.6	20.8	325	4.8

## STREAMS ON LONG ISLAND

01310500 EAST MEADOW BROOK AT FREEPORT, NY--Continued

## WATER-QUALITY RECORDS

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

## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	POTASSIUM, DIS-SOLVED (MG/L AS K)
DEC 27...	1145	375	6.6	5.0	10.1	55	31	16	3.7	46	2.5
MAR 28...	1330	430	6.6	11.0	10.6	--	--	--	--	--	--
JUN 26...	1130	425	6.2	17.5	8.5	70	45	20	4.9	49	3.4
SEP 14...	1145	425	6.0	20.0	7.8	75	40	22	4.9	43	3.6

DATE	BICARBONATE (MG/L AS HCO3)	ALKALINITY (MG/L AS CaCO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE DIS-SOLVED (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)
DEC 27...	30	25	12	27	74	.0	6.3	198	2.7	1.8	.02
MAR 28...	--	--	--	--	--	--	--	--	--	4.0	--
JUN 26...	31	25	31	35	69	.0	7.8	227	4.8	4.9	.06
SEP 14...	--	35	68	33	68	.0	7.6	228	9.5	5.4	.08

DATE	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO. TOTAL (MG/L AS P)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
DEC 27...	.58	.28	3.6	.02	.00	670	--	220	20	.10
MAR 28...	--	--	--	.00	--	--	--	--	--	.10
JUN 26...	.39	.34	5.6	.01	.00	480	400	80	230	.10
SEP 14...	.35	.23	10	.02	.00	390	--	70	320	.10

## 01311000 PINES BROOK AT MALVERNE, NY

LOCATION.--Lat 40°39'59", long 73°39'35", Nassau County, Hydrologic Unit 02030202, on left bank 300 ft (91 m) downstream from Lakeview Avenue and southern boundary of Malverne. Water-quality sampling site at discharge station.

DRAINAGE AREA.--About 10 mi<sup>2</sup> (26 km<sup>2</sup>).

## WATER-DISCHARGE RECORDS

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

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

GAGE.--Water-stage recorder with steel plate V-notch weir and concrete controls. Datum of gage is 7.11 ft (2.167 m) National Geodetic Vertical Datum of 1929 (Nassau County Bench mark). Prior to 1894, determinations of flow by various methods, at different sites and datums. December 1936 to Oct. 1, 1970, at site 200 ft (61 m) upstream at datum 2.31 ft (0.704 m) higher. Oct. 1, 1970 to May 31, 1972, supplementary gage on secondary channel 10 ft (3 m) downstream at same datum.

REMARKS.--Records good. Prior to Feb. 20, 1956, flow occasionally regulated by Pines Pond. Indeterminate diversion from Pines Pond for emergency municipal water supply for City of New York, August 1953 to September 1954.

AVERAGE DISCHARGE.--42 years (1937-79), 3.97 ft<sup>3</sup>/s (0.112 m<sup>3</sup>/s).

EXTREMES FOR PERIOD OF RECORD (SINCE 1936).--Maximum discharge, 386 ft<sup>3</sup>/s (10.9 m<sup>3</sup>/s) Jan. 18, 1978, gage height, 4.53 ft (1.381 m); no flow part of Sept. 12, 1963, and at times from 1964 to 1975, 1977.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 125 ft<sup>3</sup>/s (3.54 m<sup>3</sup>/s) and maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Discharge (m <sup>3</sup> /s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft <sup>3</sup> /s)	Discharge (m <sup>3</sup> /s)	Gage height (ft)	Gage height (m)
Oct. 6	0315	291	8.24	4.26	1.30	May 23	2245	138	3.91	3.76	1.15
Dec. 21	0515	129	3.65	3.72	1.13	May 30	0415	140	3.96	3.77	1.15
Dec. 25	0330	173	4.90	3.90	1.19	June 19	1900	182	5.15	3.93	1.20
Jan. 21	0630	*375	10.6	*4.50	1.37	Aug. 4	1130	270	7.65	4.20	1.28
Jan. 24	2215	131	3.71	3.73	1.14	Aug. 28	0730	147	4.16	3.93	1.20
Feb. 26	0530	152	4.30	3.82	1.16	Sept. 30	0830	129	3.65	3.72	1.13

Minimum, 0.17 ft<sup>3</sup>/s (0.005 m<sup>3</sup>/s) Oct. 4, gage height, 2.18 ft (0.66 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.25	.27	.44	.59	1.3	1.8	1.7	2.5	1.7	.83	.38	.49
2	.19	.27	.39	20	1.3	1.7	2.2	1.9	1.4	.79	.32	.44
3	.19	.27	.39	1.2	1.2	1.6	2.3	1.5	14	.74	.31	.44
4	.21	.27	4.2	.64	1.2	1.6	1.8	1.5	11	.74	42	.44
5	.22	.26	4.2	.59	1.2	1.6	2.4	1.4	2.1	.69	1.2	.39
6	49	.25	.39	.59	1.2	47	1.7	1.4	1.7	.64	5.0	12
7	.44	.25	.39	7.6	1.2	9.1	1.5	1.3	1.5	.67	.64	.56
8	.35	.24	3.1	10	1.2	2.6	1.6	1.3	1.4	.60	.44	.54
9	.32	.25	36	.82	1.2	2.3	10	1.3	1.4	.51	.44	.44
10	.31	.24	2.0	.70	1.1	2.2	3.1	1.3	1.4	.49	.44	.44
11	.31	.24	.56	.64	1.1	9.1	2.5	1.3	1.6	.69	.94	.44
12	.31	.24	.54	.64	1.1	2.3	3.1	1.4	1.3	.69	17	.39
13	.31	.21	.53	12	1.1	2.2	1.5	14	1.3	.55	5.7	.39
14	.59	.24	.50	6.3	1.1	4.2	8.9	8.5	1.2	.49	.70	.59
15	.46	.24	.48	.82	1.0	2.2	2.3	1.8	1.1	.49	.59	.44
16	.37	.24	.44	.82	1.0	2.1	2.0	1.3	1.1	.48	.54	.39
17	.30	.52	2.7	.71	1.0	2.1	2.0	2.0	26	.43	.49	.39
18	.31	1.4	.79	.59	1.0	2.1	1.7	2.8	2.3	.43	.49	.39
19	.35	.27	.75	.59	1.0	2.0	1.8	6.0	1.4	.40	.54	.39
20	.31	.27	.79	.96	1.0	2.1	1.7	2.7	1.2	.40	.49	.54
21	.27	.27	23	120	1.5	2.0	1.5	2.5	1.1	.39	.49	9.4
22	.27	.24	1.8	2.0	7.0	1.9	1.5	2.5	1.1	.37	.44	20
23	.27	.39	.49	1.4	2.3	1.9	1.5	22	1.0	.32	.44	.59
24	.27	2.6	2.6	28	29	2.2	1.6	14	.97	.31	.49	.54
25	.28	.31	37	6.8	10	2.0	1.5	3.9	.93	.31	6.0	.49
26	.27	.27	.64	2.4	31	1.8	10	1.5	.88	1.3	.49	.49
27	.40	.39	.59	1.7	2.6	1.7	41	1.3	.87	.60	3.1	.49
28	.27	1.1	.54	1.6	2.0	1.7	5.8	4.7	.82	.31	22	.44
29	.25	.49	.54	1.5	---	1.9	3.3	1.6	.89	.66	.94	.49
30	.25	8.4	.54	1.4	---	1.7	2.3	24	.82	.34	.64	15
31	.27	---	.59	1.4	---	1.8	---	4.2	---	.31	.49	---
TOTAL	58.17	20.90	127.91	235.00	107.9	122.5	125.8	139.4	85.48	16.97	114.17	68.46
MEAN	1.88	.70	4.13	7.58	3.85	3.95	4.19	4.50	2.85	.55	3.68	2.28
MAX	49	8.4	37	120	31	47	41	24	26	1.3	42	20
MIN	.19	.21	.39	.59	1.0	1.6	1.5	1.3	.82	.31	.31	.39

CAL YR 1978 TOTAL 1012.54 MEAN 2.77 MAX 94 MIN .16  
WTR YR 1979 TOTAL 1222.66 MEAN 3.35 MAX 120 MIN .19

## STREAMS ON LONG ISLAND

01311000 PINES BROOK AT MALVERNE, NY--Continued

## WATER-QUALITY RECORDS

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

## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	POTASSIUM, DIS-SOLVED (MG/L AS K)
DEC 27...	1030	320	6.8	4.0	9.7	84	52	24	5.8	26	3.8
MAR 28...	1230	355	6.6	12.5	12.4	--	--	--	--	--	--
SEP 14...	1015	370	6.5	21.0	9.3	91	50	26	6.3	29	4.4

DATE	BICARBONATE (MG/L AS HCO3)	ALKALINITY (MG/L AS CaCO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	NITROGEN, TOTAL (MG/L AS N)	NITRATE DIS-SOLVED (MG/L AS N)
DEC 27...	39	32	9.9	48	39	.0	9.6	186	3.7	2.3
MAR 28...	--	--	--	--	--	--	--	--	--	2.6
SEP 14...	--	41	25	41	42	.0	8.0	198	4.2	3.6

DATE	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, ORTHO. TOTAL (MG/L AS P)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
DEC 27...	.03	.39	.15	4.2	.01	.00	180	60	1200	.10
MAR 28...	--	--	--	--	.00	--	--	--	--	.10
SEP 14...	.12	.21	.44	5.0	.01	.00	520	--	400	.10



## 01311500 VALLEY STREAM AT VALLEY STREAM, NY

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

DRAINAGE AREA.--About 4.5 mi<sup>2</sup> (12 km<sup>2</sup>).

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

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

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

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

AVERAGE DISCHARGE.--25 years (1954-79), 2.65 ft<sup>3</sup>/s (0.075 m<sup>3</sup>/s).

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 290 ft<sup>3</sup>/s (8.21 m<sup>3</sup>/s) Jan. 21, gage height, 5.62 ft (1.713 m), from rating curve extended above 110 ft<sup>3</sup>/s (3.12 m<sup>3</sup>/s); no flow for all or part of many days during year.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979  
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	.00	.00	.00	.50	.36	.36	.34	.48	.14	.00	.00
2	.00	.00	.00	4.4	.29	.24	.45	.31	.38	.13	.00	.00
3	.00	.00	.00	1.0	.27	.18	.50	.35	6.4	.11	.00	.00
4	.00	.00	.00	.20	.23	.18	.42	.33	4.3	.08	6.5	.00
5	.00	.00	.00	.00	.23	.18	.37	.27	1.2	.07	.69	.00
6	15	.00	.00	.00	.23	34	.26	.31	.62	.01	1.1	1.1
7	.10	.00	.00	3.0	.18	7.4	.24	.31	.52	.00	.43	.12
8	.00	.00	.00	4.0	.18	.80	.25	.27	.35	.00	.00	.00
9	.00	.00	9.3	.30	.10	.60	3.9	.27	.36	.00	.00	.00
10	.00	.00	1.7	.00	.04	.62	.74	.25	.40	.00	.00	.71
11	.00	.00	.00	.00	.02	4.9	.36	.20	.47	.01	.02	.05
12	.00	.00	.00	.00	.00	1.1	.36	.10	.56	.00	3.6	.04
13	.00	.00	.00	1.7	.02	.75	2.3	2.9	.34	.00	5.3	.03
14	.00	.00	.00	5.9	.00	1.7	1.8	3.5	.16	.01	.10	.03
15	.00	.00	.00	.07	.00	.71	.51	1.2	.21	.00	.00	.00
16	.00	.00	.00	.00	.00	.51	.45	.45	.31	.00	.00	.00
17	.00	.00	.00	.00	.00	.47	.43	.10	9.5	.01	.00	.00
18	.00	.00	.00	.00	.00	.45	.36	.05	2.7	.09	.00	.00
19	.00	.00	.00	.00	.00	.43	.24	.16	.13	.00	.10	.00
20	.00	.00	.00	.00	.00	.40	.23	.00	.19	.00	.00	.00
21	.00	.00	.79	133	.00	.38	.29	.55	.53	.00	.00	.12
22	.00	.00	.00	1.7	.00	.82	.51	.23	.43	.00	.00	6.8
23	.00	.00	.00	.36	.00	.63	.36	5.7	.41	.00	.00	.14
24	.00	.00	.02	18	20	.76	.24	13	.30	.00	.00	.00
25	.00	.00	13	15	7.0	.50	.23	3.6	.05	.00	.63	.00
26	.00	.00	.14	.83	25	.38	.46	.75	.21	.00	.05	.00
27	.00	.00	.00	.34	1.0	.49	.37	.37	.23	.00	1.3	.00
28	.00	.00	.00	.38	.50	.46	1.2	2.0	.18	.00	20	.00
29	.00	.00	.00	.37	---	.50	1.4	1.5	.27	.00	.70	.00
30	.00	.00	.00	.36	---	.44	.46	5.8	.14	.00	.07	4.1
31	.00	---	.00	.36	---	.43	---	.90	---	.00	.00	---
TOTAL	15.10	.00	25.65	191.27	55.81	61.77	36.68	46.07	32.33	.66	40.59	13.24
MEAN	.49	.000	.83	6.17	1.99	1.99	1.22	1.49	1.08	.021	1.31	.44
MAX	15	.00	13	133	25	34	17	13	9.5	.14	20	6.8
MIN	.00	.00	.00	.00	.00	.18	.23	.00	.05	.00	.00	.00

CAL YR 1978 TOTAL 456.71 MEAN 1.25 MAX 119 MIN .00  
WTR YR 1979 TOTAL 519.17 MEAN 1.42 MAX 133 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 1979

						Measurements
Station No.	Station name	Location	Drainage area (mi <sup>2</sup> )	Period of record	Date	Discharge (ft <sup>3</sup> /s)
Streams on Long Island						
01302200	Whitney Lake Outlet at Manhasset, N.Y.	Lat 40°47'30", long 73°42'32", Nassau County, at bridge on Creek Road, at Manhasset, 0.25 mile (0.40 km) north-west of State Highway 25A.	--	1953-79	11-22-78	1.1
					4-17-79	1.6
					7-25-79	1.9
					9-12-79	1.3
01302300	Roslyn Brook at Roslyn, N.Y.	Lat 40°47'55", long 73°38'51", Nassau County, at Roslyn, 200 ft (61 m) downstream from dam in Roslyn Park.	--	1953-79	10-30-78	.08
					4-17-79	.12
					7-25-79	.29
					9-12-79	.16
01302800	Island Swamp Brook at Lattingtown, N.Y.	Lat 40°53'25", long 73°37'10", Nassau County, at bridge on Lattingtown Road, 0.3 mile (0.5 km) southwest of Lattingtown, and 1.5 miles (2.4 km) northwest of Locust Valley.	--	1953-79	4-17-79	1.8
					7-25-79	1.3
					9-12-79	.95
01303600	Mill Creek near Huntington, N.Y.	Lat 40°52'56", long 73°25'17", Suffolk County, at culvert on Creek Road, 300 ft (91 m) west on New York Ave., 1 mile (2 km) northeast of Huntington.	--	1953-79	11-22-78	3.6
					4-17-79	3.0
					6-12-79	1.9
					9-11-79	2.8
01303700	Stony Hollow Run at Centerport, N.Y.	Lat 40°53'05", long 73°21'41", Suffolk County, at culvert on State Highway 25A, 0.25 mile (0.40 km) east of Centerport, and 1.5 miles (2.4 km) southwest of Northport.	--	1953-79	11-22-78	1.4
					4-17-79	1.6
					6-12-79	1.6
					9-11-79	.69
01303742	Fresh Pond Outlet at Fort Salonga, N.Y.	Lat 40°55'26", long 73°17'43", Suffolk County, 200 ft (61 m) downstream from Fresh Pond outlet, 0.75 mi (1.21 km) north of Fort Salonga.	--	1977-79	8-22-79	1.8
01303790	Northeast Branch Nissequogue River near East Hauppauge, N.Y.	Lat 40°50'27", long 73°10'41", Suffolk County, at culvert on State Highway 347, 1.5 miles (2.4 km) northwest of East Hauppauge, and 4.0 miles (6.4 km) upstream from gaging station near Smithtown.	--	1972-79	8-10-79	.93
01303800	Northeast Branch Nissequogue River at Smithtown, N.Y.	Lat 40°51'05", long 73°11'15", Suffolk County, 300 ft (91 m) upstream from culvert on State Highway 111, 0.75 mile (1.21 km) southeast of Smithtown, and 3.0 miles (4.8 km) upstream from gaging station near Smithtown.	--	1948-49 1951-76 1979	8-10-79	1.8

Discharge measurements made at low-flow partial-record stations during water year 1979--Continued

Station No.	Station name	Location	Drainage area (mi <sup>2</sup> )	Period of record	Date	Measurements
						Discharge (ft <sup>3</sup> /s)
Streams on Long Island						
01303850	Northeast Branch Nissequogue River near Hauppauge, N.Y.	Lat 40°50'43", long 73°11'50", Suffolk County, at culvert on Maple Avenue, 0.75 mile (1.21 km) south of Smithtown, and 2.5 miles (4.0 km) upstream from gaging station near Smithtown.	--	1972-79	8-10-79	2.7
01303900	Northeast Branch Nissequogue River near Smithtown, N.Y.	Lat 40°50'45", long 73°12'29", Suffolk County, 10 ft up- stream from culvert at Brookside Drive, 0.75 mile (1.21 km) southwest of Smithtown, and 2.0 miles (3.2 km) upstream from gaging station near Smithtown.	--	1953-79	8-10-79	4.0
01303941	Nissequogue River near Hauppauge, N.Y.	Lat 40°50'30", long 73°13'43", Suffolk County, 30 ft (9 m) downstream from dam at New Mill Road, 2 miles (3 km) northwest of Hauppauge, and 0.5 mile (0.8 km) upstream from gaging station near Smithtown.	--	1972-79	8-10-79	32
01304010	Nissequogue River at Smithtown, N.Y.	Lat 40°51'48", long 73°12'05", Suffolk County, at culvert on Landing Ave., at Smithtown, and 1.5 miles (2.4 km) down- stream from gaging station near Smithtown.	--	1974-79	8-10-79	52
01304051	Stony Brook at Stony Brook, N.Y.	Lat 40°54'53", long 73°08'52", Suffolk County, 100 ft (30 m) downstream from Harbor Road, at Stony Brook.	--	1977-79	10-25-78 4-12-79 8-22-79	2.5 4.5 4.0
01304060	Unnamed Tributary to Conscience Bay at Setauket, N.Y.	Lat 40°56'49", long 73°07'01", Suffolk County, 30 ft (9 m.) downstream from pond below Old Field Road, at Setauket.	--	1977-79	10-25-78 4-12-79 8-22-79	2.0 2.7 2.2
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.	--	1977-79	10-25-78 4-12-79 8-23-79	.27 .37 .14
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.	--	1977-79	10-25-78 4-12-79	.57 1.0
01304100	Wading River at Wading River, N.Y.	Lat 40°57'20", long 72°51'19", Suffolk County, at pond outlet, 0.25 mile (0.40 km) west of Wading River.	--	1953-62 1964-79	10-18-78 1-30-79 4-12-79 5-16-79 8- 8-79	1.5 .49 1.4 1.1 .32
01304150	Fresh Pond Outlet, at Baiting Hollow, N.Y.	Lat 40°57'43", long 72°46'17", Suffolk County, 25 ft (8 m) below dirt road at outlet of Fresh Pond, 0.7 mi (1.1 km) northwest of Baiting Hollow.	--	1977-79	4-12-79 8-22-79	.79 1.2
01304400	Peconic River at Manorville, N.Y.	Lat 40°52'38", long 72°49'42", Suffolk County, at bridge on Schultz Road, 1 mile (2 km) northwest of Manorville, and 8.5 miles (13.7 km) upstream from gaging station at Riverhead.	--	1953-62 1951-79	5-16-79 8- 8-79	27 7.6
01304510	Peconic River at Nugent Drive, at Riverhead, N.Y.	Lat 40°55'03", long 72°40'11", Suffolk County, at bridge on Nugent Drive, at Riverhead, and 1.4 miles (2.3 km) down- stream from gaging station at Riverhead.	--	1976-79	5-16-79 8- 8-79	101 52

Discharge measurements made at low-flow partial-record stations during water year 1979--Continued

Station No.	Station name	Location	Drainage area (mi <sup>2</sup> )	Period of record	Date	Measurements
						Discharge (ft <sup>3</sup> /s)
Streams on Long Island						
01304530	Little River near Riverhead, N.Y.	Lat 40°53'52", long 72°40'30", Suffolk County, at Wildwood Lake outlet, 500 ft (152 m) east of Moriches-Riverhead Road, 1.5 miles (2.4 km) southwest of Riverhead.	--	1952-79	5-10-79 8- 7-79	8.9 6.3
01304560	White Brook at Riverhead, N.Y.	Lat 40°54'40", long 72°38'37", Suffolk County, at culvert on State Highway 24, 1 mile (2 km) southeast of Riverhead.	--	1953-69 1973-79	5-10-79 8 7-79	6.1 2.6
01304600	Big Fresh Pond Outlet at North Sea, N.Y.	Lat 40°55'49", long 72°25'04", Suffolk County, at culvert on Noyack road, at North Sea, 3.5 miles (5.6 km) northwest of Southampton.	--	1951-69 1971-79	5-10-79 8- 7-79	2.4 1.1
01304630	Mill Creek at Noyack, N.Y.	Lat 40°59'35", long 72°21'00", Suffolk County, 50 ft (15 m) upstream from culvert on Noyack Road, 0.25 mile (0.40 km) west of Noyack.	--	1958-79	5-10-79 8- 7-79	1.1 1.2
01304660	Ligonee Brook at Sag Harbor, N.Y.	Lat 40°59'21", long 72°18'12", Suffolk County, at culvert on Brick Kiln Road, 0.75 mile (1.21 km) southwest of Sag Harbor.	--	1953-69 1973-79	5-10-79 8- 7-79	1.6 .18
01304745	Weesuck Creek at East Quogue, N.Y.	Lat 40°50'52", long 72°34'42", Suffolk County, at culvert on State Highway 27A, 0.5 mile (0.8 km) northeast of East Quogue.	--	1974-79	5-10-79 8- 7-79	3.1 .87
01304760	Quantuck Creek at Quogue, N.Y.	Lat 40°49'57", long 72°37'06", Suffolk County, at culvert in Old Meeting House Road, 1 mile (2 km) northwest of Quogue.	--	1953-69 1974-79	6-14-79 8- 7-79	3.2 2.0
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.	--	1959-79	2- 6-79 6-14-79 8- 6-79	3.1 3.4 1.7
01304800	Beaverdam Creek at Westhampton Beach, N.Y.	Lat 40°49'23", long 72°39'42", Suffolk County, at culvert on Old Country Road, 100 ft (30 m) northwest of State Highway 27, and 1 mile (2 km) northwest of Westhampton.	--	1953-79	6-14-79 8- 6-79	1.7 2.2
01304820	Speonk River at Speonk, N.Y.	Lat 40°29'06", long 72°41'29", Suffolk County, at culvert on State Highway 27A, 0.75 mile (1.21 km) east of Speonk.	--	1974-79	6-14-79 8- 6-79	.98 .75
01304830	East River at Eastport, N.Y.	Lat 40°49'24", long 72°43'02", Suffolk County, 15 ft (5 m) upstream from culvert on Long Island Railroad, 200 ft (60 m) south of State Highway 27, 0.5 mile (0.8 km) east of Eastport.	--	1953-69 1973-79	2- 6-79 6-14-79 8- 6-79	.40 1.6 .49
01304860	Seatuck Creek at Eastport, N.Y.	Lat 40°49'30", long 72°43'43", Suffolk County, 15 ft (5 m) downstream from culvert on State Highway 27, at Eastport.	--	1953-79	6-14-79 8- 6-79	5.8 1.6
01304900	Little Seatuck Creek at Eastport, N.Y.	Lat 40°49'12", long 72°44'23", Suffolk County, at culvert on Moriches Blvd., 0.75 mile (1.21 km) southwest of Eastport.	--	1955-69 1974-79	6-14-79 8- 6-79	4.2 1.6

## DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

87

Discharge measurements made at low-flow partial-record stations during water year 1979--Continued

						Measurements
Station No.	Station name	Location	Drainage area (mi <sup>2</sup> )	Period of record	Date	Discharge (ft <sup>3</sup> /s)
Streams on Long Island						
01304960	Forge River at Moriches, N.Y.	Lat 40°48'22", long 72°50'00", Suffolk County, at culvert on State Highway 27, at Moriches.	--	1948-50 1952-79	5-17-79	13
01304990	Carmans River at Middle Island, N.Y.	Lat 40°51'47", long 72°56'35", Suffolk County, at culvert on East Bartlett Road, 0.75 mile (1.21 km) south of Middle Island, and 3.0 miles (4.8 km) upstream from gaging station at Yaphank.	--	1947-79	10-26-78 5-17-79	2.4 7.0
01304995	Carmans River near Yaphank, N.Y.	Lat 40°50'29", long 72°56'13", Suffolk County, 25 ft down- stream from Mill Road, 1.2 miles (1.9 km) northwest of Yaphank, and 1.9 miles (3.1 km) upstream from gaging station at Yaphank.	--	1973-79	10-26-78 5-17-79	12 27
01304998	Carmans River, below Lower Lake, At Yaphank, N.Y.	Lat 40°50'07", long 72°55'01", Suffolk County, at culvert on Yaphank Avenue, at Yaphank, and 0.7 mile (1.1 km) upstream from gaging station at Yaphank.	--	1973-79	10-16-78 5-17-79	20 36
01305040	Carmans River at South Haven, N.Y.	Lat 40°48'09", long 72°53'09", Suffolk County, 50 ft (15 m) upstream from culvert on State Highway 27, at South Haven, and 2.6 miles (4.2 km) downstream from gaging station at Yaphank.	--	1973-79	10-26-78 5-17-79	62 75
01305300	Mud Creek at East Patchogue, N.Y.	Lat 40°45'47", long 72°58'59", Suffolk County, at culvert on South Country Road, at East Patchogue, 2 miles (3 km) east of Patchogue.	--	1947-69 1971-79	1-30-79 7- 8-79 9-19-79	5.8 4.2 1.6
01305800	Patchogue River near Patchogue, N.Y.	Lat 40°46'55", long 73°01'19", Suffolk County, at bridge on discontinued road, 300 ft (91 m) west of North Ocean Ave., and 1 mile (2 km) north of State Highway 27A and gaging station at Patchogue.	--	1945-50 1952-79	12-13-78 1-17-79 3- 1-79 4- 2-79 5-16-79 6-11-79 7-17-79 9- 5-79	12 7.2 9.7 5.8 8.0 14 13 17
01306000 <u>c</u> /	Patchogue River at Patchogue, N.Y.	Lat 40°46'56", long 73°01'16", Suffolk County, at State Highway 27A, at Patchogue.	--	1946-69‡ 1970-73 1974-76‡ 1977-79	11-16-78 12-13-78 1-17-79 3- 1-79 4- 2-79 5-16-79 6-11-79 7-17-79 9- 5-79	26 23 26 36 27 35 28 26 20
01306400	Green Creek at West Sayville, N.Y.	Lat 40°43'51", long 73°05'32", Suffolk County, 30 ft (9 m) upstream from State Highway 27A at West Sayville.	--	1953-79	1-19-79 7-18-79 9-14-79	3.6 7.5 5.1
01306405	Lake Ronkonkoma Inlet at Lake Ronkonkoma, N.Y.	Lat 40°49'57", long 73°07'34", Suffolk County, 300 ft (91 m) southeast of Smithtown Blvd., 0.2 mile (0.3 km) west of Lake Ronkonkoma.	--	1948-49 1953-54 1977-79	11- 2-78	.68

† Operated as a continuous-record gaging station.

c/ Water-quality data included in this report.

Discharge measurements made at low-flow partial-record stations during water year 1979--Continued

						Measurements
Station No.	Station name	Location	Drainage area (mi <sup>2</sup> )	Period of record	Date	Discharge (ft <sup>3</sup> /s)
Streams on Long Island						
01306470	Connetquot Brook near Oakdale, N.Y.	Lat 40°45'47", long 73°09'10", Suffolk County, 100 ft (30 m) downstream from fish hatchery, and 1.1 miles (1.8 km) up- stream from gaging station 10306499.	--	1968 1973-79	6- 1-79	44
01306700	Rattlesnake Brook near Oakdale, N.Y.	Lat 40°44'52", long 73°08'45", Suffolk County, 50 ft (15 m) downstream from State High- way 27, 1.5 miles (2.4 km) northwest of Oakdale.	--	1944-69 1971-79	1-19-79 5-22-79 9-13-79	22 31 19
01307000 <sup>c/</sup>	Champlin Creek at Islip, N.Y.	Lat 40°44'13", long 73°12'08", Suffolk County, at Long Island Railroad bridge, 220 ft (67 m) downstream from Moffitt Boulevard, at Islip.	--	1948-69‡ 1970-79	4-16-79	9.3
01307100	Champlin Creek at Montauk Highway, at Islip, N.Y.	Lat 40°43'50", long 73°12'12", Suffolk County, at Montauk Highway, at Islip, and 0.45 mile (0.72 km) downstream from gaging station at Islip.	--	1963 1967 1973 1975-79	4-16-79 9-14-79	18 7.6
01307300	Pardees Ponds Outlet at Islip, N.Y.	Lat 40°43'40", long 73°13'16", Suffolk County, at culvert on State Highway 27A, at Islip.	--	1948-72 1974-79	1-19-79 5-22-79 8- 6-79 9-14-79	6.2 6.9 3.7 3.7
01307400	Awixa Creek at Islip, N.Y.	Lat 40°43'39", long 73°13'51", Suffolk County, at culvert on State Highway 27A, 0.75 mile (1.21 km) west of Islip.	--	1948-79	11- 2-78 1-30-79 5-22-79 9-14-79	1.0 3.7 6.6 2.1
01307500 <sup>c/</sup>	Penataquit Creek at Bay Shore, N.Y.	Lat 40°43'37", long 73°14'41", Suffolk County, at Union Avenue, at Bayshore.	--	1945-76‡ 1977-79	10-11-78 11-16-78 12-11-78 1-10-79 2- 8-79 3-28-79 5- 1-79 6- 5-79 8-31-79 9-19-79	11 4.7 5.9 11 9.2 8.8 7.2 7.8 5.1 9.4
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.	--	1958-79	1-19-79 5-22-79	1.0 2.8
01307920	Sampawans Creek near Deer Park, N.Y.	Lat 40°44'27", long 73°18'24", Suffolk County, 30 ft (9 m) downstream from Bay Shore Road, and 2.5 miles (4.0 km) upstream from gaging station at Babylon.	--	1965-66 1973-79	4-17-79 7-19-79 9-13-79	5.5 4.5 3.2
01307950	Sampawams Creek near North Babylon, N.Y.	Lat 40°43'37", long 73°18'46", Suffolk County, 120 ft (37 m) downstream from Hunter Ave- nue, and 1.6 miles (2.6 km) upstream from gaging station at Babylon.	--	1967 1971-79	4-17-79 7-19-79 9-13-79	7.2 4.9 3.2

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



Discharge measurements made at low-flow partial-record stations during water year 1979--Continued

Station No.	Station name	Location	Drainage area (mi <sup>2</sup> )	Period of record	Date	Measurements
						Discharge (ft <sup>3</sup> /s)
Streams on Long Island						
01308200	Sampawams Creek below Hawleys Lake, at Babylon, N.Y.	Lat 40°41'48", long 73°19'04", Suffolk County at pond out- let, 200 ft (61 m) upstream from State Highway 27A, at Babylon, and 0.5 mile (0.8 km) downstream from gaging station at Babylon.	--	1953-67 1969-79	4-17-79	12
					7-19-79	8.4
					9-13-79	11
01308600	Carlls River at Park Avenue, Babylon, N.Y.	Lat 40°42'06", long 73°19'43", Suffolk County, at culvert on Park Avenue, at Babylon, and 0.5 mile (0.8 km) down- stream from gaging station at Babylon.	--	1968-79	11- 2-78	22
					5-11-79	60
					7-26-79	37
					9- 2-79	43
01309000c/	Santapogue Creek at Lindenhurst, N.Y.	Lat 40°41'30", long 73°21'20", Suffolk County, at culvert on East Hoffman Avenue, 1 mile (2 km) east of Long Island Railroad station at Lindenhurst.	--	1947-69† 1970-79	1-19-79	1.6
					5-11-79	6.6
					7-26-79	1.7
01309100	Santapogue Creek at State Highway 27A, Lindenhurst, N.Y.	Lat 40°41'02", long 73°21'06", Suffolk County, at culvert on State Highway 27A, 0.5 mile (0.8 km) downstream from gaging station at Lindenhurst.	--	1953-69 1971-79	1-19-79	6.2
					7-26-79	3.0
					9-13-79	4.6
01309200	Neguntatogue Creek at Lindenhurst, N.Y.	Lat 40°40'47", long 73°21'40", Suffolk County, 20 ft (6 m) upstream from State Highway 27A, in Lindenhurst.	--	1948-50 1952-79	1-19-79	3.3
					7-18-79	2.3
					9-12-79	5.6
01309250	Strongs Creek at Lindenhurst, N.Y.	Lat 40°41'22", long 73°22'40", Suffolk County, 30 ft (9 m) upstream from State Highway 27A, at Lindenhurst.	--	1953-69 1971-79	5-11-79	1.5
					7-26-79	1.1
					9-13-79	1.4
01309350	Amityville Creek at Amityville, N.Y.	Lat 40°40'13", long 73°24'51", Suffolk County, 100 ft (30 m) upstream from State Highway 27A, at Amityville.	--	1953-79	10-30-78	2.4
					5-11-79	1.8
					7-26-79	2.9
					9-12-79	2.3
01309400	Carman Creek at Amityville, N.Y.	Lat 40°40'09", long 73°26'02", Nassau County, at bridge on State Highway 27A, 0.75 mile (1.21 km) west of Amityville.	--	1949 1953-69 1971-79	12-28-78	4.6
					3-29-79	4.7
01309476	Massapequa Creek at Southern State Parkway, at South Farmingdale, N.Y.	Lat 40°42'21", long 73°27'05", Nassau County, 30 ft (9 m) upstream from culvert at Southern State Parkway, 0.8 mile (1.3 km) south of South Farmingdale, and 1.2 miles (1.9 km) upstream from gaging station at Massapequa.	--	1962-65 1973-79	10-23-78	1.6
					11-20-78	1.8
					12-27-78	4.0
01309490	Massapequa Creek at North Massapequa, N.Y.	Lat 40°41'55", long 73°27'08", Nassau County, opposite Franklin Street, at North Massapequa, and 0.55 mile (0.88 km) upstream from gaging station at Massapequa.	--	1962 1964 1973-79	10-23-78	9.2
					12-27-78	6.2

† 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 1979--Continued

						Measurements
Station No.	Station name	Location	Drainage area (mi <sup>2</sup> )	Period of record	Date	Discharge (ft <sup>3</sup> /s)
Streams on Long Island						
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.	--	1953-79	10-24-78	1.0
					11-22-78	.51
					12-29-78	3.2
					3-21-79	4.2
					3-29-79	2.9
					4-19-79	2.3
01309800	Seamans Creek at Seaford, N.Y.	Lat 40°39'56", long 73°29'37", Nassau County, at culvert on State Highway 27A, 0.2 mile (0.3 km) west of Seaford.	--	1953-67 1971-79	10-23-78	1.8
					11-22-78	2.1
					12-27-78	3.5
					3-21-79	5.2
					3-29-79	2.3
					4-18-79	3.9
01309970	Bellmore Creek Tributary near North Wantagh, N.Y.	Lat 40°41'52", long 73°30'33", Nassau County, at culvert on Duck Pond Drive North, 0.3 mile (0.5 km) north of North Wantagh, and 1.2 miles (1.9 km) upstream from gaging station 01309990.	--	1973-79	10-24-78	.04
					11-20-78	.04
					3-20-79	3.8
					4-19-79	2.2
					5-23-79	2.6
					9-13-79	.41
01309980	Bellmore Creek Tributary at North Wantagh, N.Y.	Lat 40°41'20", long 73°30'37", Nassau County, at culvert on Beltagh Avenue, at North Wantagh, and 0.6 mile (1.0 km) upstream from gaging station 01309990.	--	1973-79	10-24-78	.88
					11-21-78	.60
					3-20-79	6.5
					5-23-79	11
					9-13-79	1.5
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.	--	1963-79	10-23-78	.08
					11-20-78	.07
					12-27-78	.89
					3-20-79	1.0
					5-23-79	.48
01310200	Cedar Swamp Creek at Merrick, N.Y.	Lat 40°39'39", long 73°32'24", Nassau County, at bridge on State Highway 27A, in Merrick, 2.5 miles (4.0 km) east of Freeport.	--	1953-62 1965-79	10-23-78	3.9
					11-20-78	3.4
					12-26-78	7.3
					3-20-79	12
					3-29-79	9.2
					4-18-79	10
	5-23-79	.21				
01310470	East Meadow Brook near Westbury, NY.	Lat 40°44'01", long 73°35'06", Nassau County, 50 ft (15 m) downstream from culvert on Meadowbrook State Parkway, 1.0 mile (1.6 km) south of Westbury, and 4.8 miles (7.7 km) upstream from gage at Freeport.	--	1973-79	10-24-78	1.2
					11-20-78	.52
					12-26-78	.30
					3-21-78	.81
					4-19-79	1.4
					9-27-79	.80
01310475	East Meadow Brook at Uniondale, N.Y.	Lat 40°43'17", long 73°35'00", Nassau County, at bridge on Hempstead Turnpike, 0.9 mile (1.4 km) northeast of Union- dale, and 3.9 miles (6.3 km) upstream from gage at Freeport.	--	1973-79	9-27-79	4.6
01310488	East Meadow Brook at East Meadow, N.Y.	Lat 40°41'56", long 73°34'37", Nassau County, 300 ft (91 m) west of Luddington Road, 1.4 miles (2.3 km) southwest of East Meadow, and 2.3 miles (3.7 km) upstream from gage at Freeport.	--	1973-79	3-21-79	13
					4-18-79	12

Discharge measurements made at low-flow partial-record stations during water year 1979--Continued

						Measurements	
Station No.	Station name	Location	Drainage area (mi <sup>2</sup> )	Period of record	Date	Discharge (ft <sup>3</sup> /s)	
Streams on Long Island							
01310510	East Branch Freeport Creek at Freeport, N.Y.	Lat 40°39'32", long 73°34'01", Nassau County, 50 ft (15 m) downstream from culvert at Sunrise Highway, and 0.5 mile (0.8 km) downstream from gaging station 01310500.	--	1975-79	3-21-79	14	
					4-18-79	14	
					7- 9-79	11	
					9-27-79	10	
01310515	Freeport Creek at Freeport, N.Y.	Lat 40°39'28", long 73°34'22", Nassau County, 20 ft (6 m) upstream from culvert at Sunrise Highway, and 0.5 mile (0.8 km) downstream from gaging station 01310500.	--	1975-79	3-21-79	13	
					4-18-79	10	
					7- 9-79	4.6	
					9-27-79	1.9	
01310600	Milburn Creek at Baldwin, N.Y.	Lat 40°39'04", long 73°36'13", Nassau County, 50 ft (15 m) downstream from bridge on State Highway 27A, 0.5 mile (0.8 km) east of Baldwin.	--	1953-79	10-24-78	6.0	
					11-20-78	5.9	
					12-26-78	8.2	
					3-20-79	13	
					3-29-79	14	
					4-18-79	10	
					5-22-79	9.1	
7- 9-79	5.9						
01310700	Parsonage Creek at Baldwin, N.Y.	Lat 40°38'48", long 73°36'59", Nassau County, 20 ft (6 m) downstream from bridge on Foxhurst Road, at Baldwin.	--	1953-69 1971-79	10-24-78	1.1	
					12-26-78	2.0	
					3-22-79	3.3	
					4-19-79	2.5	
					7- 9-79	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 mile (1.21 km) north of Rockville Centre.	--	1953-79	1-30-79	1.7	
					3-24-79	.78	
					7- 9-79	2.4	
01311200	Motts Creek at Valley Stream, N.Y.	Lat 40°39'01", long 73°42'45", Nassau County, 50 ft (15 m) downstream from bridge on Rosedale Road, 1 mile (2 km) southwest of Valley Stream.	--	1954-79	10-23-78	.03	
					3-20-79	.97	
					4-18-79	.79	
					5-22-79	.30	
01311700	Valley Stream, below West Branch, at Valley Stream, N.Y.	Lat 40°39'47", long 73°42'21", Nassau County, 200 ft (61 m) downstream from West Branch, 500 ft (152 m) downstream from bridge on West Valley Stream Blvd., at village park in Valley Stream, and 500 ft (152 m) downstream from gaging station.	--	1953-79	3-20-79	.59	
					7- 9-79	0	
					9-13-79	0	

## Low-flow seepage investigation

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

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

Site number	Distance from furthest downstream site (miles)	Measuring Site	Date	Measurement Discharge (ft <sup>3</sup> /s)
Massapequa Creek				
01309444	3.2	Lat 40°43'03", long 73°27'09", Nassau County, 80 feet downstream from culvert at western end of Radcliff Avenue, at South Farmingdale.	10-23-78 11-20-78 12-26-78	e0.01 e .02 .10
01309462	2.9	Lat 40°42'44", long 73°26'58", Nassau County, 50 feet downstream from two tributaries at western end of 4th Avenue, at South Farmingdale.	10-23-78 11-20-78 12-26-78	.19 .09 .58
01309470	2.6	Lat 40°42'28", long 73°27'01", Nassau County, 10 feet upstream from pond at western end of 11th Avenue, at South Farmingdale.	10-23-78 11-20-78 12-26-78	.34 .47 1.2
01309476	2.4	Lat 40°42'21", long 73°27'05", Nassau County, exit ramp of Southern State Parkway to Bethpage State Parkway, at South Farmingdale.	10-23-78 11-20-78 12-27-78	1.6 1.8 4.0
01309481	2.2	Lat 40°42'21", long 73°27'06", 100 feet south of Linden Avenue, at North Massapequa.	10-23-78 12-27-78	8.9 5.2
01309485	2.1	Lat 40°42'06", long 73°27'06", Nassau County, 1000 feet south of Linden Avenue, at North Massapequa.	10-23-78 12-27-78	8.2 4.9
01309490	1.8	Lat 40°41'55", long 73°27'08", Nassau County, 2500 feet south of Southern State Parkway, at North Massapequa.	10-23-78 12-27-78	9.2 6.2
01309492	1.5	Lat 40°41'40", long 73°27'11", Nassau County, 4000 feet south of Southern State Parkway, at North Massapequa.	10-23-78 12-27-78	10.7 7.8
01309494	1.2	Lat 40°41'30", long 73°27'18", Nassau County, 6000 feet north of Sunrise Highway, at Massapequa.	10-23-78 12-27-78	11.3 9.3
01309500	1.0	Lat 40°41'20", long 73°27'19", Nassau County, gaging station at Massapequa.	10-23-78 12-27-78	10 9.5
01309520	0.8	Lat 40°41'11", long 73°27'26", Nassau County, 1000 feet south of gaging station at Massapequa.	10-23-78 12-27-78	13 11
01309560	0.5	Lat 40°40'56", long 73°27'37", Nassau County, 300 feet north of Clark Blvd., at Massapequa.	10-23-78 12-27-78	14 14
01309580	0	Lat 40°40'34", long 73°27'51", Nassau County, 200 feet south of Merrick Road, at Massapequa.	10-23-78 12-27-78	18 18

e Estimated

## Low-flow seepage investigation--continued

93

Site number	Distance from furthest downstream site (miles)	Measuring Site	Date	Measurement
				Discharge (ft <sup>3</sup> /s)
Seaford Creek				
01309610	1.8	Lat 40°41'27", long 73°28'56", Nassau County, 50 ft downstream from culvert on Jerusalem Avenue.	10-24-78	0.29
			11-21-78	0
			12-28-78	.33
			3-21-79	.86
			4-19-79	.40
		5-23-79	.32	
01309620	1.6	Lat 40°41'20", long 73°28'55", Nassau County, 200 ft east of Remsen Street, 900 ft south Jerusalem Avenue.	10-24-78	.29
			11-21-78	.11
			12-28-78	.41
			3-21-79	1.3
			4-19-79	.42
		5-23-79	.66	
01309630	1.4	Lat 40°41'08", long 73°28'56", Nassau County, 300 ft east of Boston Avenue, 2000 ft south of Jerusalem Avenue.	10-24-78	.12
			11-21-78	0
			12-28-78	.38
			3-21-79	1.6
			4-19-79	1.0
		5-23-79	.87	
01309640	1.1	Lat 40°40'51", long 73°28'56", Nassau County, at footbridge, 50 ft downstream from culvert on Clark Street.	10-24-78	.04
			11-21-78	.04
			12-28-78	.95
			3-21-79	2.6
			4-19-79	1.8
01309650	0.9	Lat 40°40'43", long 73°28'56", Nassau County, 300 ft east of intersection of Judge Court and Park Drive.	10-24-78	.98
			11-21-78	.13
			12-28-78	1.2
			3-21-79	3.0
			4-19-79	1.9
01309660	0.7	Lat 40°40'32", long 73°28'55", Nassau County, 50 ft upstream from culvert on Sunrise Highway.	10-24-78	.83
			11-21-78	.21
			12-28-78	3.9
			3-21-79	3.5
			4-19-79	2.6
01309670	0.4	Lat 40°40'16", long 73°28'56", Nassau County, 200 ft west of intersection of Sycamore Street and Riverside Avenue.	10-24-78	1.5
			11-21-78	.30
			12-28-78	1.6
			3-21-79	4.4
			4-19-79	2.1
01309680	0.2	Lat 40°40'08", long 73°28'57", Nassau County, at footbridge, 150 ft west of intersection of Locust Street and Riverside Avenue.	10-24-78	.97
			11-21-78	.56
			12-28-78	1.8
			3-21-79	3.9
			4-19-79	2.1
01309700	0	Lat 40°40'00", long 73°28'57", Nassau County, 30 ft upstream from culvert on Merrick Road.	10-24-78	1.0
			11-22-78	.51
			12-28-78	3.2
			3-21-79	4.2
			4-19-79	2.3

## Low-flow seepage investigation--continued

Site number	Distance from furthest downstream site (miles)	Measuring Site	Date	Measurement  Discharge (ft <sup>3</sup> /s)
Seamans Creek				
01309760	1.5	Lat 40°41'04", long 73°29'47", Nassau County, at Seaford Oyster Bay Expressway, 200 ft east of Wagner Street.	10-23-78	0
			11-20-78	0
			12-27-78	0
			3-21-79	e0.80
			4-18-79	e .35
01309765	1.3	Lat 40°40'54", long 73°29'46", Nassau County, at Seaford Oyster Bay Expressway, 400 ft east of Wagner Street.	10-23-78	.13
			11-20-78	.28
			12-27-78	.30
			3-21-79	2.1
			4-18-79	.98
01309770	1.1	Lat 40°40'44", long 73°29'45", Nassau County, at Seaford Oyster Bay Expressway, 500 ft south of Clark Street.	10-23-78	.35
			11-20-78	0
			12-27-78	.80
			3-21-79	2.1
			4-18-79	1.0
01309775	0.9	Lat 40°40'34", long 73°29'45", Nassau County, at Seaford Oyster Bay Expressway, 50 ft east of intersection of Park Avenue and West Seamans Neck Road.	10-23-78	0
			11-20-78	0
			12-27-78	.96
			3-21-79	2.7
			4-18-79	1.5
01309780	0.7	Lat 40°40'24", long 73°29'44", Nassau County, 150 ft downstream from culvert on Sunrise Highway.	10-23-78	.14
			11-20-78	.23
			12-27-78	1.1
			3-21-79	3.6
			4-18-79	1.7
01309785	0.4	Lat 40°40'14", long 73°29'41", Nassau County, 200 ft upstream from culvert on Natalie Boulevard.	10-23-78	.33
			11-20-78	.44
			12-27-78	1.5
			3-21-79	3.5
			4-18-79	2.2
01309790	0.3	Lat 40°40'05", long 73°29'36", Nassau County, 20 ft upstream from culvert on Waverly Avenue.	10-23-78	.65
			11-20-78	.53
			12-27-78	2.1
			3-21-79	4.5
			4-18-79	2.8
01309800	0	Lat 40°39'54", long 73°29'36", Nassau County, 60 ft upstream from culvert at Merrick Road.	10-23-78	1.8
			11-22-78	2.1
			12-27-78	3.5
			3-21-79	5.2
			4-18-79	3.9

e Estimate



Site number	Distance from furthest downstream site (miles)	Measuring Site	Date	Measurement
				Discharge (ft <sup>3</sup> /s)
Bellmore Creek				
01309860	2.6	Lat 40°42'22", long 73°31'09", Nassau County, south of North Jerusalem Avenue at Levittown.	10-24-78	0
			11-21-78	0
			3-21-79	.20
			4-19-79	.09
			5-22-79	.14
01309870	2.3	Lat 40°42'09", long 73°31'15", Nassau County, at Southern State Parkway, at Levittown.	11-21-78	.01
			3-21-79	1.5
			4-19-79	1.2
			5-22-79	1.1
01309880	2.0	Lat 40°41'54", long 73°31'16", Nassau County, at Southern State Parkway exit to Wantagh State Parkway, at Wantagh.	11-21-78	.01
			3-21-79	5.2
			3-22-79	7.1
			4-19-79	3.5
			5-22-79	2.0
01309890	1.6	Lat 40°41'37", long 73°31'16", Nassau County, north end of Holiday Park Drive, 700 ft north of Jerusalem Avenue, at Wantagh.	3-22-79	8.7
			4-20-79	4.0
			5-23-79	2.0
01309900	1.5	Lat 40°41'31", long 73°31'13", Nassau County, 100 ft south of Jerusalem Avenue, east of Holiday Park Drive, at Wantagh.	11-22-78	.49
			3-22-79	8.7
			4-20-79	4.6
			5-23-79	5.0
01309910	1.3	Lat 40°41'28", long 73°31'05", Nassau County, 1000 ft south of Jerusalem Avenue, off Beltagh Avenue, at Wantagh.	11-22-78	.76
			3-22-79	8.7
			4-20-79	4.9
			5-23-79	4.9
01309920	1.2	Lat 40°41'28", long 73°30'57", Nassau County, at intersection of Beltagh Avenue and Clovermere Road at Wantagh.	11-22-78	2.3
			3-22-79	17
			4-20-79	7.0
			5-23-79	4.9
01309930	0.9	Lat 40°41'11", long 73°30'52", Nassau County, 1000 ft south of Clovermere Road at Wantagh.	11-21-78	3.0
			3-22-79	13
			4-19-79	5.9
			5-22-79	6.6
01309940	0.7	Lat 40°41'00", long 73°30'53", Nassau County, 2000 ft south of Clovermere Road at Wantagh.	11-21-78	3.0
			3-21-79	15
			4-20-79	7.3
			5-22-79	8.0
01310010	0	Lat 40°40'28", long 73°30'54", Nassau County, at Park Avenue, at Wantagh.	11-22-78	6.3
			3-22-79	22

Site number	Distance from furthest downstream site (miles)	Measuring Site	Date	Measurement
				Discharge (ft <sup>3</sup> /s)
Bellmore Creek Tributary				
01309957	2.9	Lat 40°42'34", long 73°30'12", Nassau County, tributary, at Stony Lane, at Wantagh.	10-23-78	0
			11-20-78	0
			3-20-79	.28
			4-18-79	.11
			5-23-79	.12
01309960	2.6	Lat 40°42'21", long 73°30'15", Nassau County, tributary at Sprucewood Drive, at Wantagh.	10-31-78	0
			11-20-78	0
			3-20-79	1.6
			4-18-79	.30
			5-23-79	.10
01309963	2.5	Lat 40°42'15", long 73°30'20", Nassau County, tributary, 500 ft north of Old Jerusalem Road at Wantagh.	10-23-78	0
			11-20-78	0
			3-20-79	3.1
			4-19-79	e .40
			5-23-79	e1.2
01309967	2.3	Lat 40°42'04", long 73°30'26", Nassau County, tributary, at Sandhill Road, at Wantagh.	10-23-78	0
			11-20-78	0
			3-20-79	2.6
			4-19-79	1.5
			5-23-79	e1.4
01309970	1.8	Lat 40°41'52", long 73°30'33", Nassau County, tributary, at Duck Pond Drive North, at Wantagh.	10-24-78	.04
			11-20-78	.04
			3-20-79	3.8
			4-19-79	2.2
			5-23-79	2.6
01309973	1.6	Lat 40°41'41", long 73°30'34", Nassau County, tributary, 300 ft north of Jerusalem Avenue, at Wantagh.	10-24-78	.38
			11-21-78	.31
			3-20-79	5.9
			4-19-79	5.2
			5-23-79	4.9
01309977	1.5	Lat 40°41'37", long 73°30'33", Nassau County, tributary, 200 ft south of Jerusalem Avenue, at Wantagh.	10-24-78	.59
			11-21-78	.55
			3-20-79	6.2
			4-19-79	4.6
			5-23-79	13
01309980	1.1	Lat 40°41'37", long 73°30'37", Nassau County, tributary, at Beltagh Avenue, at Wantagh.	10-24-78	.88
			11-21-78	.60
			3-20-79	6.5
			5-23-79	11
01309983	1.0	Lat 40°41'12", long 73°30'42", Nassau County, tributary, 1500 ft upstream from Island Road, at Wantagh.	10-24-78	1.0
			11-21-78	.82
			3-20-79	7.1
01309987	0.8	Lat 40°41'06", long 73°30'47", Nassau County, tributary, 300 ft upstream from Island Road, at Wantagh.	10-24-78	1.1
			11-21-78	1.0
01309989	0.6	Lat 40°40'57", long 73°30'48", Nassau County, tributary, at east side of Wantagh State Parkway, at Wantagh.	11-21-78	.96
			3-20-79	6.7
01310010	0	Lat 40°40'28", long 73°30'54", Nassau County, at Park Avenue, at Wantagh.	11-22-78	6.3
			3-22-79	22

e Estimate

Site number	Distance from furthest downstream site (miles)	Measuring Site	Date	Measurement
				Discharge (ft³/s)
Cedar Swamp Creek				
01310102	1.9	Lat 40°41'06", long 73°32'50", Nassau County, 10 ft downstream from culvert on Redmond Road, at Bellmore.	10-23-78	0.04
			11-20-78	.04
			12-26-78	.12
			3-20-79	2.0
			5-23-79	.64
01310104	1.6	Lat 40°40'55", long 73°32'48", Nassau County, 15 ft upstream from culvert on Losee Court, at Bellmore.	10-23-78	0
			11-20-78	0
			12-26-78	.33
			3-20-79	3.8
			5-23-79	.28
01310106	1.4	Lat 40°40'44", long 73°32'46", Nassau County, 50 ft west of Henry Street, 400 ft south of Losee Court, at Bellmore.	10-23-78	.01
			11-20-78	0
			12-26-78	.42
			3-20-79	5.3
			5-23-79	2.0
01310108	1.2	Lat 40°40'44", long 73°32'42", Nassau County, at east end of Faye Court, at Bellmore.	10-23-78	.17
			11-20-78	.07
			12-26-78	.69
			3-20-79	3.3
			5-23-79	1.3
01310115	1.0	Lat 40°40'22", long 73°32'43", Nassau County, at east end of Marion Avenue, at Bellmore.	10-23-78	.45
			11-20-78	.32
			12-26-78	1.4
			3-20-79	4.2
			5-23-79	3.1
01310120	0.8	Lat 40°40'14", long 73°32'40", Nassau County, 30 ft north of Bellwood Drive, at Bellmore.	10-23-78	.52
			11-20-78	.58
			12-26-78	1.4
			3-20-78	5.6
			5-23-79	1.6
01310130	0.7	Lat 40°40'06", long 73°32'41", Nassau County, 50 ft upstream from culvert on Grand Avenue, at Bellmore.	10-23-78	.80
			11-20-78	.83
			12-26-78	2.4
			3-20-79	5.2
			5-23-79	3.2
01310132	0.4	Lat 40°39'54", long 73°32'40", Nassau County, east outlet of Newbridge Pond, at Bellmore.	10-23-78	.08
			11-20-78	.10
			12-26-78	.50
			3-20-79	2.4
			4-18-79	.83
01310146	0.4	Lat 40°39'54", long 73°32'40", Nassau County, west outlet of Newbridge Pond, at Bellmore.	5-23-79	1.3
			10-23-78	.96
			11-20-78	1.8
			12-26-78	3.0
			3-20-79	5.2
01310160	0.2	Lat 40°39'47", long 73°32'31", Nassau County, 10 ft upstream from culvert on Richard Street, at Bellmore.	4-18-79	4.1
			5-23-79	3.0
			10-23-78	2.8
			11-20-78	.90
			12-26-78	4.4
01310200	0	Lat 40°39'39", long 73°32'24", Nassau County, at bridge on State Highway 27A, in Merrick, 2.5 miles (4.0 km) east of Freeport.	3-20-79	6.6
			4-18-79	4.0
			5-23-79	6.0
			10-23-78	3.9
			11-20-78	3.4
			12-26-78	7.3
			3-20-79	12
			4-18-79	10
			5-23-79	.21

Site number	Distance from furthest downstream site (miles)	Measuring Site	Date	Measurement
				Discharge (ft <sup>3</sup> /s)
Millburn Creek				
01310530	2.1	Lat 40°40'42", long 73°36'01", Nassau County, at Alhambra Road, at Roosevelt.	3-20-79	1.2
			4-18-79	.59
			5-22-79	.23
01310532	2.0	Lat 40°40'35", long 73°36'05", Nassau County, at Circle Drive and Mayfair Road, at Roosevelt.	12-27-78	.01
			3-20-79	1.4
			4-18-79	.70
01310534	1.8	Lat 40°40'26", long 73°36'07", Nassau County, at end of Barth Avenue, at Roosevelt.	5-22-79	.40
			12-27-78	.02
			3-20-79	1.8
01310536	1.6	Lat 40°40'17", long 73°36'10", Nassau County, at Wallace Avenue, at Roosevelt.	4-18-79	.93
			5-22-79	.67
			10-24-78	0
01310542	1.4	Lat 40°40'09", long 73°36'11", Nassau County, north of Moore Court, at Freeport.	11-20-78	0
			12-27-78	.15
			3-20-79	2.2
01310550	1.1	Lat 40°39'55", long 73°36'13", Nassau County, at Willowbend Lane, at Freeport.	4-18-79	1.5
			5-22-79	.91
			10-24-78	.02
01310560	1.0	Lat 40°39'47", long 73°36'12", Nassau County, at Millburn Court, at Freeport.	11-20-78	.01
			12-27-78	.34
			3-20-79	2.6
01310570	0.7	Lat 40°39'36", long 73°36'16", Nassau County, at Mayfair Court, at Freeport.	4-18-79	1.8
			5-22-79	1.3
			10-24-78	.37
01310580	0.5	Lat 40°39'25", long 73°36'11", Nassau County, north of Long Island Railroad at Millburn Court, at Freeport.	11-20-78	.41
			12-27-78	.84
			3-20-79	3.9
01310600	0	Lat 40°39'04", long 73°36'13", Nassau County, at Merrick Road, at Baldwin.	4-17-79	2.6
			5-22-79	1.9
			10-24-78	.31
01310570	0.7	Lat 40°39'36", long 73°36'16", Nassau County, at Mayfair Court, at Freeport.	11-20-78	.34
			12-27-78	.98
			3-20-79	4.0
01310580	0.5	Lat 40°39'25", long 73°36'11", Nassau County, north of Long Island Railroad at Millburn Court, at Freeport.	4-18-79	2.6
			5-22-79	2.1
			10-24-78	.58
01310580	0.5	Lat 40°39'25", long 73°36'11", Nassau County, north of Long Island Railroad at Millburn Court, at Freeport.	11-20-78	.61
			12-27-78	1.3
			3-20-79	5.1
01310570	0.7	Lat 40°39'36", long 73°36'16", Nassau County, at Mayfair Court, at Freeport.	4-18-79	3.4
			5-22-79	2.5
			10-24-78	.67
01310580	0.5	Lat 40°39'25", long 73°36'11", Nassau County, north of Long Island Railroad at Millburn Court, at Freeport.	11-20-78	.89
			12-27-78	1.9
			3-20-79	4.7
01310570	0.7	Lat 40°39'36", long 73°36'16", Nassau County, at Mayfair Court, at Freeport.	4-18-79	3.6
			5-22-79	2.8
			10-24-78	.60
01310600	0	Lat 40°39'04", long 73°36'13", Nassau County, at Merrick Road, at Baldwin.	11-20-78	5.9
			12-26-78	8.2
			3-20-79	13
01310600	0	Lat 40°39'04", long 73°36'13", Nassau County, at Merrick Road, at Baldwin.	4-18-79	10
			5-22-79	9.1
			10-24-78	.60

## Low-flow seepage investigation--continued

99

Site number	Distance from furthest downstream site (miles)	Measuring Site	Date	Measurement
				Discharge (ft <sup>3</sup> /s)
Parsonage Creek				
01310660	0.5	Lat 40°39'14", long 73°37'09", Nassau County, at culvert on Merrick Road, at Oceanside.	10-23-78	0.07
			11-20-78	.02
			12-26-78	.07
			3-21-79	.20
			4-19-79	.10
			5-23-79	.05
01310670	0.2	Lat 40°38'58", long 73°37'05", Nassau County, at culvert on Wateredge Avenue, at Oceanside.	10-23-78	.30
			11-20-78	.34
			12-26-78	.64
			3-21-79	1.0
			4-19-79	.97
			5-23-79	.53
01310700	0	Lat 40°38'48", long 73°36'59", Nassau County, at culvert on Foxhurst Road, at Oceanside.	10-24-78	1.1
			12-26-78	2.0
			3-22-79	3.3
			4-19-79	2.5
Shodack Brook				
01310795	0.7	Lat 40°41'08", long 73°39'07", Nassau County, at culvert on Eagle Avenue, at Lakeview.	11-20-78	0
			12-26-78	0
01310796	0.5	Lat 40°41'00", long 73°39'10", Nassau County, at culvert on Southern State Parkway, at Lakeview.	11-20-78	0
			12-26-78	0
01310797	0.3	Lat 40°40'49", long 73°39'10", Nassau County, 150 ft downstream from culvert on Melvin Avenue, at Lakeview.	11-20-78	0
			12-26-78	.02
			3-21-79	.24
			4-19-79	.25
			5-23-79	.45
01310798	0	Lat 40°40'33", long 73°39'08", Nassau County, 500 ft downstream from culvert on Colonial Road, at Lakeview.	10-23-78	e .01
			11-20-78	.01
			12-26-78	.07
			3-21-79	1.0
			4-19-79	.86
			5-23-79	.63

e Estimated

## Low-flow seepage investigation--continued

Site number	Distance from furthest downstream site (miles)	Measuring Site	Date	Measurement  Discharge (ft <sup>3</sup> /s)
Pines Brook				
01310890	1.0	Lat 40°40'50", long 73°39'44", Nassau County, 150 ft east of Atlas Court, at Malverne.	3-21-79	0.59
01310900	0.8	Lat 40°40'40", long 73°39'46", 100 ft east of Coral Court, at Malverne.	3-21-79 5-22-79	1.0 .35
01310910	0.5	Lat 40°40'29", long 73°39'46", Nassau County, 300 ft upstream from culvert on Pinebrook Avenue, at Malverne.	3-21-79 5-22-79	2.4 .58
01310920	0.3	Lat 40°40'19", long 73°39'44", Nassau County, 600 ft downstream from culvert on Pinebrook Avenue, at Malverne.	3-21-79	.91
01311000	0	Lat 40°40'01", long 73°39'35", Nassau County, at gaging station at Lakeview Avenue, at Malverne.	10-23-78 11-20-78 11-21-78 3-21-79 4-18-79 4-19-79 5-22-79	.27 .27 .27 2.0 1.6 2.3 2.3
Powell Creek				
01311110	0.3	Lat 40°38'50", long 73°38'26", Nassau County, at culvert on Academy Street, at Oceanside.	10-23-78 11-20-78 3-20-79 4-18-79 5-22-79	.10 .07 .15 .36 .10
01311120	0	Lat 40°38'40", long 73°38'36", Nassau County, 20 ft upstream from culvert on Woods Avenue, at Oceanside.	10-23-78 11-20-78 3-20-79 4-18-79 5-22-79	.54 .45 .91 .84 .93



## Low-flow seepage investigation--continued

101

Site number	Distance from furthest downstream site (miles)	Measuring Site	Date	Measurement
				Discharge (ft <sup>3</sup> /s)
		Motts Creek		
01311185	1.0	Lat 40°39'23", long 73°41'53", Nassau County, 700 ft upstream from culvert on Rockaway Avenue, at Valley Stream.	10-23-78	0.02
			11-20-78	.13
			3-20-79	.01
			4-18-79	.64
01311187	0.8	Lat 40°39'15", long 73°42'01", Nassau County, 5 ft downstream from culvert on Rockaway Avenue, at Valley Stream.	3-20-79	.24
			4-18-79	e .15
			5-22-79	.07
01311190	0.6	Lat 40°39'08", long 73°42'11", Nassau County, 20 ft downstream from culvert on Cochran Place, at Valley Stream.	3-20-79	.42
			4-18-79	.13
			5-22-79	.14
01311192	0.4	Lat 40°39'07", long 73°42'24", Nassau County, 1,100 ft down- stream from culvert on Cochran Place, at Valley Stream.	10-23-78	.06
			11-20-78	.02
			3-20-79	1.2
			4-18-79	.41
			5-22-79	.27
01311194	0.2	Lat 40°39'06", long 73°42'34", Nassau County, 15 ft downstream from culvert on Mill Road, at Valley Stream.	10-23-78	.05
			3-20-79	1.2
			4-18-79	.51
			5-22-79	.44
01311200	0	Lat 40°39'01", long 73°42'45", Nassau County, 50 ft downstream from bridge on Rosedale Road, at Valley Stream.	10-23-78	.03
			3-20-79	.97
			4-18-79	.79
			5-22-79	.30

e Estimated

## CHEMICAL QUALITY OF PRECIPITATION

## LONG ISLAND

## AT BAY PARK, NY

LOCATION.--Lat 40°31'50", long 73°39'51", Nassau County, at Bay Park Sewage Treatment Plant, Bay Park.

PERIOD OF RECORD.--October 1978 to September 1979 (monthly composite).

EQUIPMENT.--The sample collector is a straight-sided polyethelene funnel, approximately 6.0 in (0.15 m) in diameter, which drains into a 2-liter Teflon\* receiving bottle. The receiving bottle is enclosed in an insulated box which is heated during the cold weather season to aid in full collection of snow. The opening for the collector is approximately 7 ft (2 m) above ground level.

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

## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

PERIOD OF COLLECTION	INCHES OF PRECIPI- TATION	CAL- CIUM (CA) (MG/L)	MAGNE- SIUM (MG)	SODIUM (NA) (MG/L)	POTAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLO- RIDE (CL) (MG/L)
78/10/03 TO 78/11/01	--	0.90	0.32	0.71	0.06	--	1.60	0.89
78/11/01 TO 78/12/01	2.24	1.40	.59	2.20	.14	--	4.40	4.00
78/12/01 TO 78/12/29	5.72	.35	.16	.65	.04	--	3.40	.99
78/12/29 TO 79/01/22	6.73	.47	.22	.80	.06	--	2.60	1.60
79/01/22 TO 79/03/01	6.53	.71	.29	2.00	.08	--	2.00	2.60
79/03/01 TO 79/03/21	3.80	.66	.29	1.00	.07	--	1.60	1.40
79/03/21 TO 79/05/01	8.08	--	--	--	--	--	--	--
79/05/01 TO 79/06/01	4.66	.83	.50	1.00	.50	--	4.10	1.00
79/06/01 TO 79/07/02	3.33	.66	.37	.50	.08	--	4.60	.32
79/07/02 TO 79/08/01	1.66	1.40	.69	.90	1.40	--	6.90	1.40
79/08/01 TO 79/09/04	--	.68	.33	1.20	.43	--	4.90	1.80
79/09/04 TO 79/10/02	--	1.10	.66	1.80	.32	--	.33	4.90

PERIOD OF COLLECTION	FLUO- RIDE (F) (MG/L)	NIT- RITE+ NIT- RATE AS N (MG/L)	AMMONIA AS N (MG/L)	PHOS- PHORUS (P) (MG/L)	SPE- CIFIC CON- DUCTANCE (MICRO- MHOS)	PH (UNITS)	ACIDITY AS H (MG/L)	LEAD (PB) (µG/L)
78/10/03 TO 78/11/01	0.0	0.353	0.219	0.009	20	4.80	0.058	83
78/11/01 TO 78/12/01	.0	.732	.427	.005	43	4.45	.087	100
78/12/01 TO 78/12/29	.0	.398	.230	.000	26	4.36	.129	59
78/12/29 TO 79/01/22	.0	.389	.220	.001	20	4.55	.069	120
79/01/22 TO 79/03/01	.0	.417	.240	.008	29	4.50	.094	31
79/03/01 TO 79/03/21	.0	.241	.063	.005	19	4.62	.066	24
79/03/21 TO 79/05/01	--	--	--	--	41	4.35	.108	--
79/05/01 TO 79/06/01	.0	.586	.667	.051	30	4.72	.092	12
79/06/01 TO 79/07/02	.0	.500	.417	.022	39	4.20	.158	24
79/07/02 TO 79/08/01	.0	2.700	3.100	.594	59	4.60	.136	14
79/08/01 TO 79/09/04	.0	.792	.570	.027	49	4.13	.144	--
79/09/04 TO 79/10/02	--	.375	.229	.029	47	4.70	.085	10

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

## CHEMICAL QUALITY OF PRECIPITATION

103

## LONG ISLAND

## AT EAST MEADOW, NY

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

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

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

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

## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

PERIOD OF COLLECTION	INCHES OF PRECIPI- TATION	CAL- CIUM (CA) (MG/L)	MAGNE- SIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	POTAS- SIUM (K) (MG/L)	BICAR- BONATE (HC03) (MG/L)	SULFATE (S04) (MG/L)	CHLO- RIDE (CL) (MG/L)
78/10/02 TO 78/11/01	3.88	0.85	0.30	0.32	0.06	--	2.10	0.97
78/11/01 TO 78/12/01	2.07	3.00	1.50	2.00	.22	7	4.90	3.80
78/12/01 TO 78/12/29	5.49	.85	.35	.52	.06	--	3.30	1.20
78/12/29 TO 79/01/22	6.99	.77	.34	.75	.05	--	.26	1.60
79/01/22 TO 79/03/01	5.96	1.40	.62	3.00	.09	--	3.20	4.10
79/03/01 TO 79/03/21	4.26	.43	.19	.70	.03	--	1.70	1.40
79/03/21 TO 79/05/01	5.22	--	--	--	--	--	--	--
79/05/01 TO 79/06/01	5.82	1.10	.56	.70	.13	--	4.60	1.60
79/06/01 TO 79/07/02	3.60	1.50	.60	.40	.14	--	5.40	1.30
79/07/02 TO 79/08/01	.97	--	--	--	--	--	10.00	2.10
79/08/01 TO 79/08/22	4.12	.97	.54	.50	.14	--	5.20	.69
79/08/22 TO 79/09/04	2.66	1.30	.83	.31	.09	--	2.60	.70
79/09/04 TO 79/10/02	5.12	.72	.43	1.60	.22	--	2.00	3.40

PERIOD OF COLLECTION	FLUO- RIDE (F) (MG/L)	NIT- RITE+ NIT- RATE AS N (MG/L)	AMMONIA AS N (MG/L)	PHOS- PHORUS (P) (MG/L)	SPE- CIFIC CON- DUCTANCE (MICRO- MHOS)	PH (UNITS)	ACIDITY AS H (MG/L)	LEAD (PB) (UG/L)
78/10/02 TO 78/11/01	0.0	0.267	0.219	0.010	16	5.00	0.069	96
78/11/01 TO 78/12/01	.1	.911	.509	.035	43	5.95	.049	220
78/12/01 TO 78/12/29	.0	.370	.283	.000	19	4.94	.079	89
78/12/29 TO 79/01/22	.0	.241	.070	.000	14	5.10	.050	52
79/01/22 TO 79/03/01	.1	.585	.230	.020	33	5.40	.066	77
79/03/01 TO 79/03/21	.0	.286	.146	.003	14	5.36	.046	16
79/03/21 TO 79/05/01	--	--	--	--	27	5.74	.068	--
79/05/01 TO 79/06/01	.0	.810	.519	.016	39	4.37	.122	96
79/06/01 TO 79/07/02	.1	.485	.306	.018	33	4.50	.114	96
79/07/02 TO 79/08/01	.1	--	--	--	80	6.07	.132	56
79/08/01 TO 79/08/22	.0	.578	.431	.017	33	4.43	.124	54
79/08/22 TO 79/09/04	.0	.444	.245	.014	22	4.58	.098	49
79/09/04 TO 79/10/02	.0	.296	.651	.030	--	--	--	30

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

## CHEMICAL QUALITY OF PRECIPITATION

LONG ISLAND

AT UPTON, NY

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

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

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

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

## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

PERIOD OF COLLECTION	INCHES OF PRECIPITATION	CALCIUM (CA) (MG/L)	MAGNESIUM (MG) (MG/L)	SODIUM (NA) (MG/L)	POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	SULFATE (SO4) (MG/L)	CHLORIDE (CL) (MG/L)
78/10/03 TO 78/10/31	2.84	0.53	0.24	0.90	0.08	--	1.60	1.20
78/10/31 TO 78/11/28	E 2.24	--	--	--	--	--	--	--
78/11/30 TO 79/01/02	E 8.21	.13	.09	.65	.04	--	2.20	1.10
79/01/02 TO 79/01/30	E10.92	.20	.14	.95	.06	--	2.80	1.80
79/01/30 TO 79/02/28	5.27	.39	.42	1.00	.03	--	1.20	.80
79/02/28 TO 79/03/27	3.47	.24	.14	--	--	--	1.00	1.70
79/05/29 TO 79/07/03	2.73	.56	.29	.60	.16	--	5.40	.58
79/07/03 TO 79/07/31	0.53	--	--	--	--	--	6.80	1.20
79/08/01 TO 79/08/30	7.76	.37	.16	.48	.08	--	2.70	.70
79/09/01 TO 79/09/25	2.29	--	--	--	--	--	2.80	5.10

PERIOD OF COLLECTION	FLUORIDE (F) (MG/L)	NITRATE+NITRATE AS N (MG/L)	AMMONIA AS N (MG/L)	PHOSPHORUS (P) (MG/L)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	ACIDITY AS H (MG/L)	LEAD (PB) (UG/L)
78/10/03 TO 78/10/31	0.0	0.466	0.094	0.000	28	4.25	0.101	110
78/10/31 TO 78/11/28	--	.536	.063	.001	47	4.20	.102	170
78/11/30 TO 79/01/02	.0	.130	.020	.000	25	4.39	.093	27
79/01/02 TO 79/01/30	.0	.287	.040	.000	13	4.50	.054	52
79/01/30 TO 79/02/28	.0	.231	.040	.002	20	4.45	.077	35
79/02/28 TO 79/03/27	.0	.223	.083	--	--	--	--	10
79/05/29 TO 79/07/03	.0	.741	.611	.015	53	4.01	.165	84
79/07/03 TO 79/07/31	.0	--	--	--	38	5.69	.086	0
79/08/01 TO 79/08/30	.0	.463	.357	.006	32	4.17	.122	--
79/09/01 TO 79/09/25	.0	.429	.136	.010	36	4.49	.162	--

E Estimated

## 105

404149073571202. Local number. K 30-2.

AQUIFER.--Upper Glacial.

PERIOD OF RECORD.--June 1935 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.56 ft (2.00 m) NGVD, Mar. 26, 1979; lowest measured, -29.75 ft (-9.07 m) NGVD, Nov. 8, 1941.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 2 26	6.54 5.96	NOV 1	5.48	DEC 22	5.71	MAR 26	6.56	JUN 28	5.89	SEP 17	5.86

LOCATION.--Lat 40°38'52", long 73°58'23", Hydrologic Unit 02030201, at 807 Caton Avenue, Kensington, Brooklyn.  
Owner: Atlantic Service Corporation.

AQUIFER.--Upper Glacial.

DATUM.--Land-surface datum is 50.5 ft (15 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of steel plate, 0.04 ft (0.01 m) above land-surface datum.

PERIOD OF RECORD.--October 1978 to current year. Unpublished records for August 1944 to September 1978 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 13.55 ft (4.13 m) NGVD, December 16, 1975; lowest measured, -26.32 ft (-8.02 m) NGVD, August 21, 1944.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 2	7.75	DEC 22	9.04	MAR 26	8.38	JUN 28	7.14	SEP 17	5.88		

LOCATION.--Lat 43°38'18", long 73°58'10", Hydrologic Unit 02030202, at 912 Cortelyou Road, Flatbush. Owner, J. Morea.

AQUIFER.--Upper Glacial.

DATUM.--Land-surface datum is 40.1 ft (12.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.25 in (0.03 m) nipple, 7.21 ft (2.20 m) below land-surface datum.

REMARKS.--Well destroyed after October measurement.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.99 ft (2.74 m) NGVD, Oct. 7, 1975; lowest measured, -11.57 ft (-3.53 m) NGVD, June 5, 1946.

[illegible]

GROUND-WATER LEVELS  
KINGS COUNTY--continued

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

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 2	4.08	DEC 22	5.60	MAR 26	5.03	JUN 28	5.59	SEP 17	5.38		

404032074001401. Local number, K 1069.  
LOCATION.--Lat 40°40'32", long 74°00'14", Hydrologic Unit 02030201, 732 Henry Street, Red Hook, Brooklyn. Owner: Larsen Baking Company.  
AQUIFER.--Upper Glacial.  
WELL CHARACTERISTICS.--Drilled unused water-table well, 8 in (0.20 m), depth 60 ft (18 m), screened 41 to 51 ft (12 to 16 m).  
DATUM.--Land-surface datum is 11 ft (3.4 m) National Geodetic Vertical Datum of 1929. Measuring point: MP 1, hole in steel plate, 8.91 ft (2.72 m) below land-surface datum.  
REMARKS.--Water-quality records for 1942 are available in files of Long Island Sub-district office.  
PERIOD OF RECORD.--October 1978 to current year. Unpublished records for 1953-54, 1960-78, are available in files of Long Island Sub-district office.  
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.97 ft (0.91 m) NGVD, April 4, 1978; lowest measured, -0.78 ft (-0.24 m) NGVD, October 25, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 2	1.88	DEC 22	1.49	MAR 26	1.89	JUN 28	2.50	SEP 17	1.80		

403939073542901. Local number, K 1265.  
LOCATION.--Lat 40°39'39", long 73°54'29", Hydrologic Unit 02030202, at Thatford and Riverdale Avenues, East New York, Brooklyn. Owner: City of New York.  
AQUIFER.--Upper Glacial.  
WELL CHARACTERISTICS.--Driven water-table well, 1.5 in (0.04 m), depth 43.2 ft (13 m), screen assumed at bottom.  
DATUM.--Land-surface datum is 23 ft (7.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.10 ft (0.03 m) above land-surface datum.  
PERIOD OF RECORD.--October 1978 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, 11.57 ft (3.53 m) NGVD, October 2, 1978; lowest measured, -11.55 ft (-3.52 m) NGVD, August 22, 1942.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 2	11.57	DEC 22	10.89	MAR 26	11.19	JUN 28	11.31	SEP 17	11.39		



## NASSAU COUNTY

404043073413001. Local number, N 7.

LOCATION.--Lat 40°40'43", long 73°41'30", Hydrologic Unit 02030202, at Corona Avenue and Remsen Street, Valley Stream. Owner: Long Island State Park Commission.

AQUIFER.--Lloyd.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (0.25 m), depth 911 ft (278 m), screened 851 to 911 ft (259 to 278 m).

DATUM.--Land-surface datum is 20.8 ft (6.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of reducer, 2.16 ft (0.66 m) above land-surface datum.

PERIOD OF RECORD.--July 1936 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.75 ft (3.89 m) NGVD, Mar. 9, 1941; lowest measured, -6.84 ft (-2.08 m) NGVD, Aug. 25, 1970.

## WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 19	2.87	FEB 1	2.91	MAR 15	1.76	MAY 1	4.96	JUN 25	2.83	SEP 19	0.34
JAN 18	1.11										

404048073412501. Local number, N 9.

LOCATION.--Lat 40°40'48", long 73°41'25", Hydrologic Unit 02030202, at Corona Avenue and Remsen Street, Valley Stream. Owner: Long Island State Park Commission.

AQUIFER.--Magothy.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (0.15 m) to 4 in (0.10 m), depth 138 ft (42 m), screened 98 to 138 ft (30 to 42 m).

DATUM.--Land-surface datum is 23.2 ft (7.07 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.48 ft (0.45 m) above land-surface datum.

PERIOD OF RECORD.--July 1936 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.57 ft (7.18 m) NGVD, Sept. 23, 1938; lowest measured, 9.96 ft (3.03 m) NGVD, Dec. 19, 1974.

## WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 19	10.21	FEB 1	13.78	MAR 15	15.58	MAY 1	15.61	JUN 25	14.78	SEP 20	12.61

GROUND-WATER LEVELS  
NASSAU COUNTY--continued

403930073382901. Local number, N 53.

LOCATION.--Lat 40°39'30", long 73°38'29", Hydrologic Unit 02030202, at Maple and Morris Avenues, Rockville Centre.

Owner: Village of Rockville Centre.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 8 in (0.20 m), depth 45 ft (14 m), screen assumed at bottom.

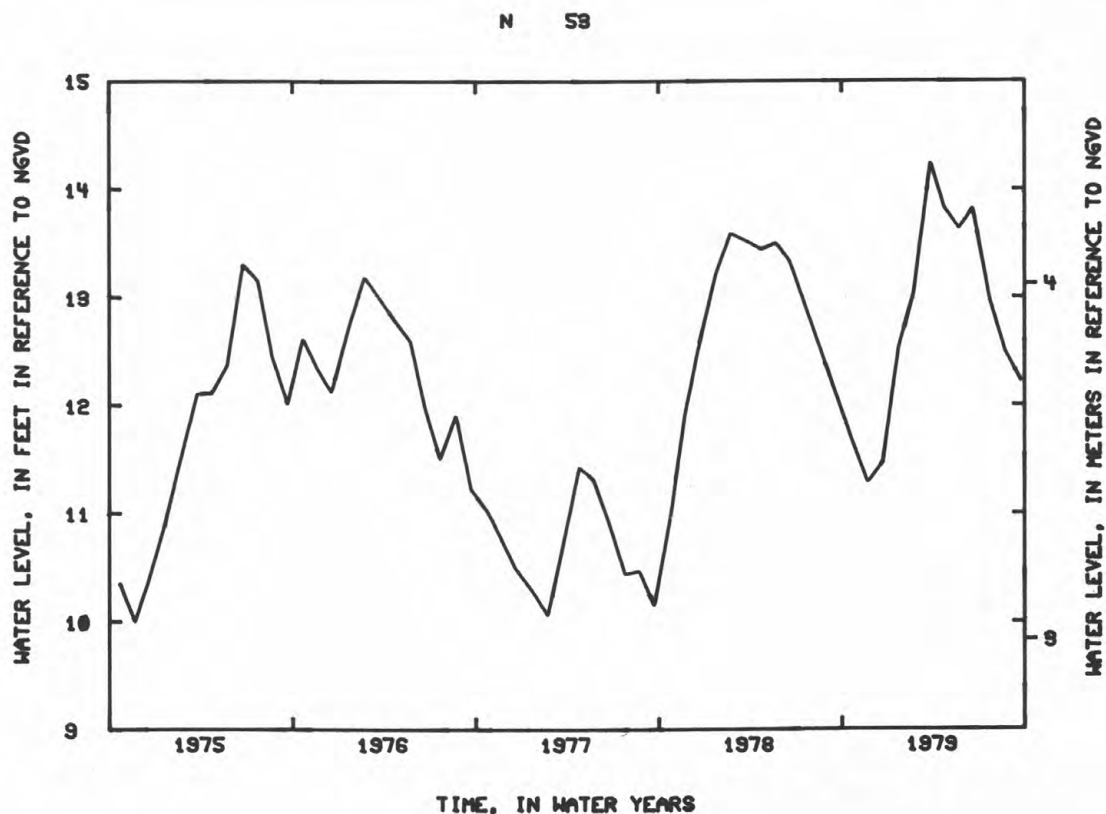
DATUM.--Land-surface datum is 26.2 ft (8.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 5.13 ft (1.56 m) below land-surface datum.

PERIOD OF RECORD.--October 1975 to current year. Unpublished records for August 1934 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.49 ft (5.03 m) NGVD, Apr. 15, 1939; lowest measured, 7.85 ft (2.39 m) NGVD, Aug. 30, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	11.65	DEC 22	11.47	FEB 22	13.02	APR 23	13.82	JUN 19	13.82	AUG 23	12.49
NOV 22	11.28	JAN 23	12.53	MAR 26	14.24	MAY 22	13.63	JUL 23	12.96	SEP 24	12.22



GROUND-WATER LEVELS  
NASSAU COUNTY--continued

109

404931073382001. Local number, N 110.

LOCATION.--Lat 40°49'31", long 73°38'20", Hydrologic Unit 02030201, at Scudders Lane and Motts Cove Road, Glenwood Landing. Owner: Jericho Water District.

AQUIFER.--Lloyd.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 16 in (0.41 m), depth 519 ft (158 m), screened 445 to 515 ft (136 to 157 m).

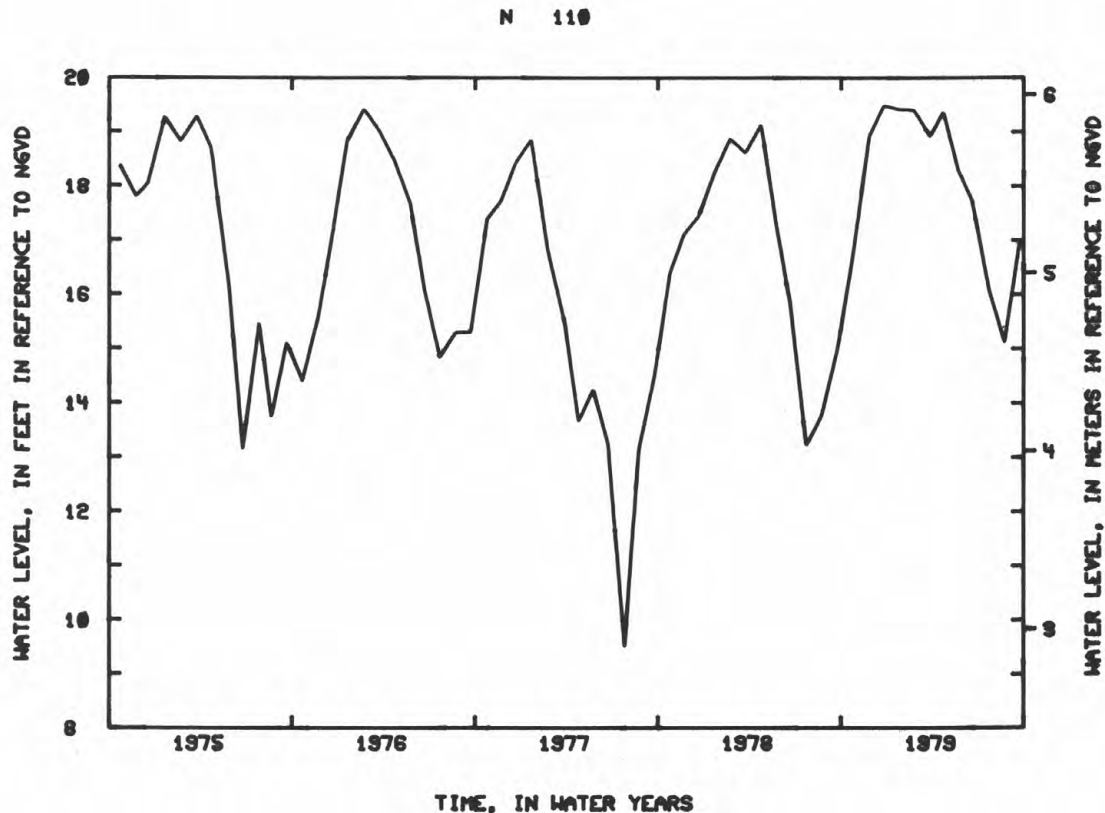
DATUM.--Land-surface datum is 56.1 ft (17.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4 in (0.10 m) nipple, 0.50 ft (0.15 m) above land-surface datum.

PERIOD OF RECORD.--October 1975 to current year. Unpublished records for 1946-48, 1952, 1955, 1961, 1965, 1970-75, are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.99 ft (8.53 m) NGVD, Dec. 15, 1970; lowest measured, -9.05 ft (-2.76 m) NGVD, May 22, 1957.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	16.73	DEC 26	19.48	FEB 25	19.40	APR 23	19.36	JUN 20	17.72	AUG 24	15.11
NOV 27	18.91	JAN 23	19.41	MAR 27	18.91	MAY 22	18.29	JUL 23	16.08	SEP 24	17.00



## GROUND-WATER LEVELS

## NASSAU COUNTY--continued

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

## WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 19	16.39	FEB 1	17.94	MAR 15	17.61	MAY 1	17.44	JUN 25	16.20	SEP 19	15.76

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

## WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 7	33.98 G	FEB 1	34.11	MAR 5	35.08 G	MAR 15	35.09	JUN 25	36.06	SEP 24	34.32
20	33.98										

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

## WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	8.47	DEC 19	9.17	FEB 1	11.63	MAR 15	13.24	APR 18	12.41	JUN 25	12.43
NOV 21	8.12	27	8.72	MAR 5	10.84 G	21	12.56	MAY 1	13.04	SEP 19	10.51
DEC 7	8.36 G										

G MEASUREMENT BY ANOTHER AGENCY

GROUND-WATER LEVELS  
NASSAU COUNTY--continued

111

404125073394802. Local number, N 1129-2.

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

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Driven observation water-table well, diameter 1.25 in (0.03 m), depth 44 ft (13 m), screened 41 to 44 ft (12 to 13 m).

DATUM.--Land-surface datum is 50.8 ft (15.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.26 ft (0.08 m) below land-surface datum.

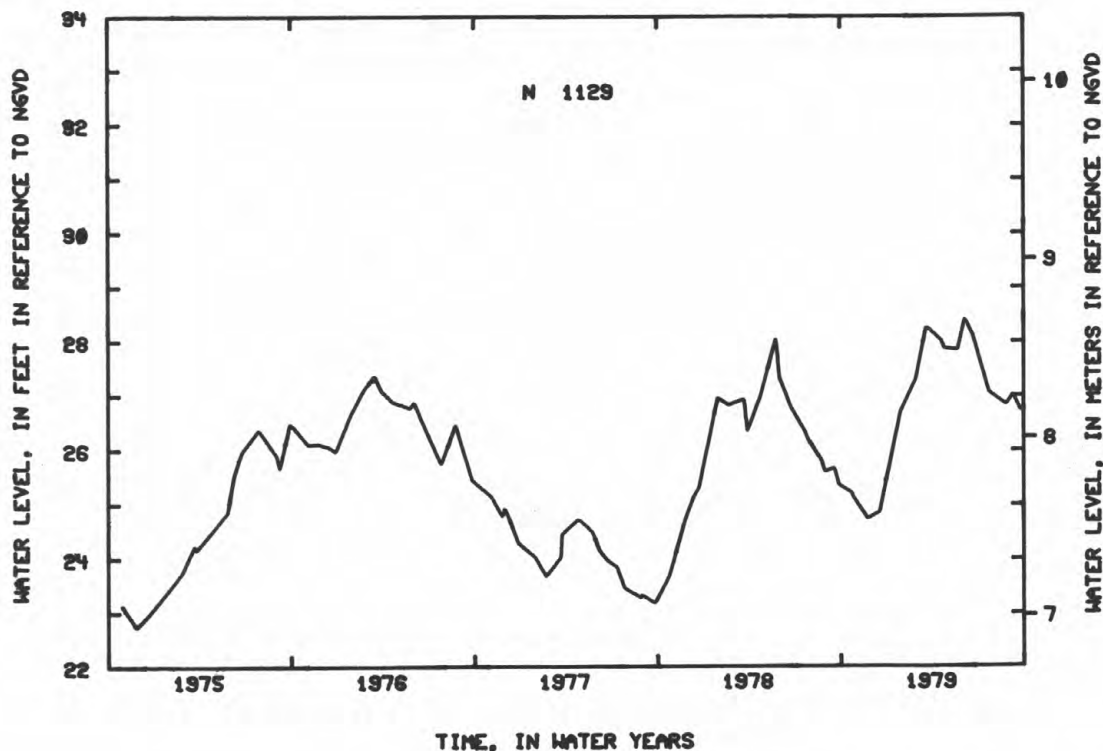
REMARKS.--Water-quality records for 1966, 1968, 1975-1978 are available in files of Long Island Sub-district office; those for 1979 are published elsewhere in this report.

PERIOD OF RECORD.--October 1975 to current year. Unpublished records for August 1937 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 33.79 ft (10.30 m) NGVD, Sept. 28, 1938; lowest measured, 21.85 ft (6.66 m) NGVD, Sept. 20, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	25.20	DEC 17	24.86 G	MAR 1	27.40 G	APR 19	28.00	JUN 5	28.41 G	AUG 27	26.82
25	25.14	18	24.87	19	28.25	25	27.86	21	28.10	SEP 10	27.02 G
NOV 21	24.78	JAN 29	26.70	21	28.25	MAY 21	27.84	JUL 23	27.05	24	26.73
24	24.73	FEB 28	27.28								



404840073311902. Local number, N 1212.

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

AQUIFER.--Magothy.

WELL CHARACTERISTICS.--Driven observation artesian well, diameter 4 in (0.10 m), depth 185 ft (64 m), screened 179 to 185 ft (55 to 56 m).

DATUM.--Land-surface datum is 227.2 ft (69.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 0.54 ft (0.16 m) below land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 93.27 ft (28.43 m) NGVD, June 22, 1979; lowest measured, 73.00 ft (22.25 m) NGVD, Apr. 25, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 19	90.76	FEB 1	91.12	MAR 15	91.22	MAY 1	92.31	JUN 22	93.27	SEP 24	89.87

G MEASUREMENT BY ANOTHER AGENCY

GROUND-WATER LEVELS  
NASSAU COUNTY--continued

405027073272002. Local number, N 1243-5.

LOCATION.--Lat 40°50'27", long 73°27'20", Hydrologic Unit 02030201, at Stillwell and Harbor Roads, Cold Spring.

Owner: Nassau County Department of Public Works.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Driven observation water-table well, diameter 1.25 in (0.03 m), depth 28 ft (9 m), screened 25 to 28 ft (7.6 to 8.5 m).

DATUM.--Land-surface datum is 63.1 ft (19.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.10 ft (0.03 m) below land-surface datum.

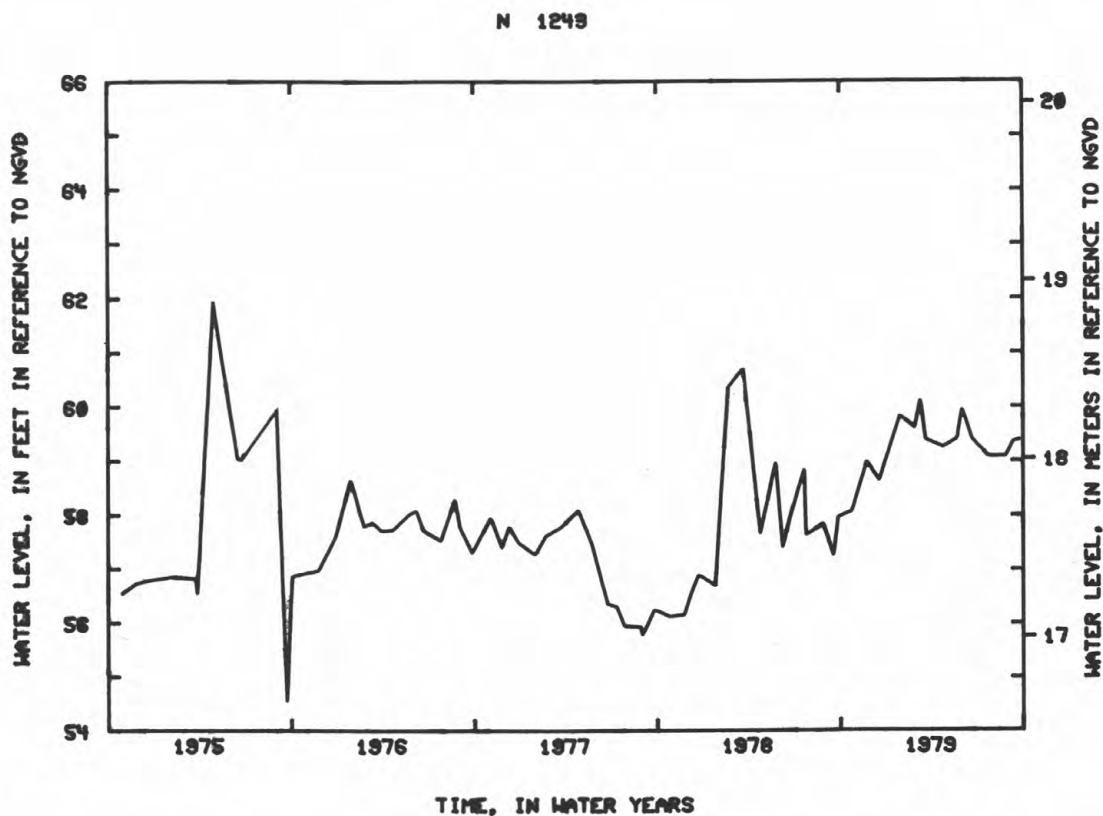
REMARKS.--Water-quality records for 1960 are available in files of Long Island Sub-district office.

PERIOD OF RECORD.--October 1975 to current year. Unpublished records for November 1939 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 61.95 ft (18.88 m) NGVD, Apr. 29, 1975; lowest measured, 48.03 ft (14.64 m) NGVD, Feb. 24, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	58.07	DEC 18	58.63	MAR 9	60.12 G	MAY 21	59.40	JUL 23	59.07	SEP 12	59.36 G
NOV 24	58.98	JAN 29	59.83	19	59.38	JUN 1	59.95 G	AUG 27	59.07	24	59.38
DEC 8	58.76 G	FEB 28	59.60	APR 24	59.24	21	59.38				



G MEASUREMENT BY ANOTHER AGENCY



## NASSAU COUNTY--continued

404704073264201. Local number, N 1246.

LOCATION.--Lat 40°47'04", long 73°26'42", Hydrologic Unit 02030202, at Round Swamp and Old Country Roads, Plainview.

Owner: Nassau County Department of Public Works.

AQUIFER.--Magothy.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 4 in (0.10 m), depth 125 ft (38 m), screen assumed at bottom.

DATUM.--Land-surface datum is 184.9 ft (56.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.08 ft (0.02 m) above land-surface datum.

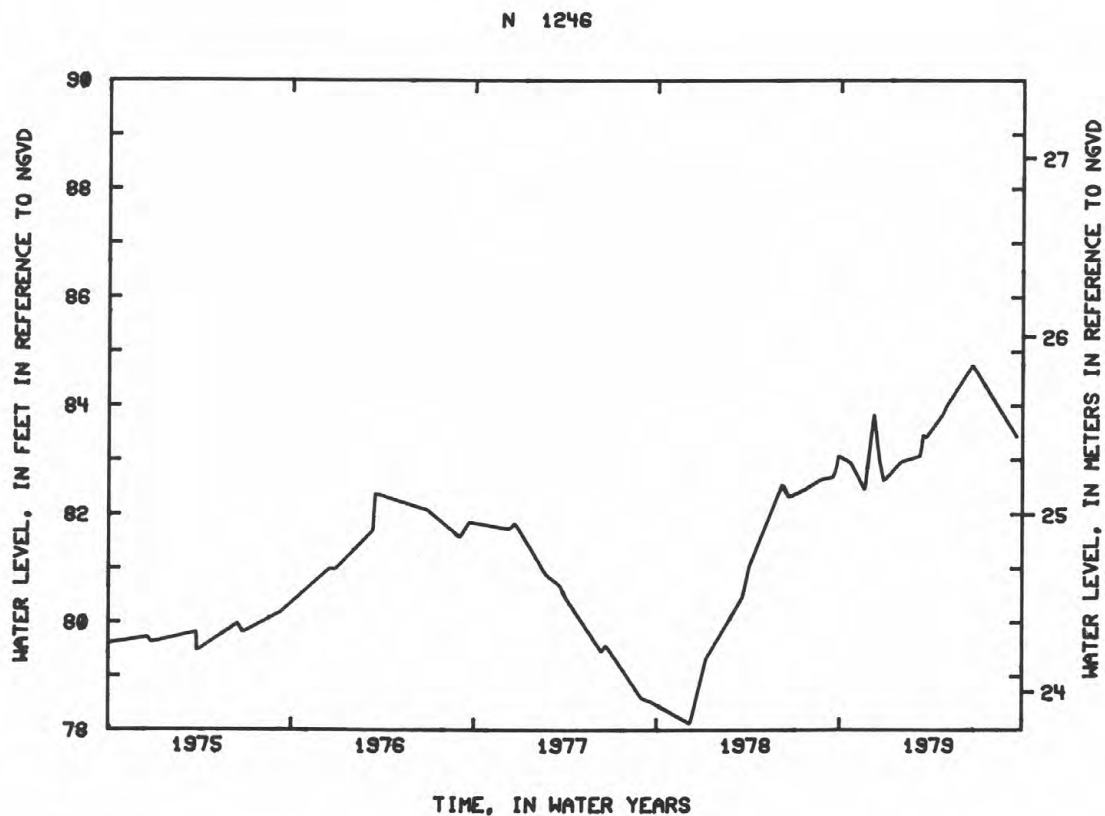
REMARKS.--Water-quality records for 1971 are available in files of Long Island Sub-district office.

PERIOD OF RECORD.--May 1940 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 84.74 ft (25.83 m) NGVD, June 22, 1979; lowest measured, 68.29 ft (20.81 m) NGVD, Apr. 25, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	82.93	DEC 19	82.98	FEB 1	82.96	MAR 15	83.46	APR 23	83.83	JUN 22	84.74
NOV 20	82.44	27	82.60	MAR 9	83.07 G	20	83.40	MAY 1	84.00	SEP 20	83.41
DEC 8	83.83 G										



G MEASUREMENT BY ANOTHER AGENCY

## GROUND-WATER LEVELS

## NASSAU COUNTY--continued

404339073371403. Local number, N 1255-3.

LOCATION.--Lat 40°43'39", long 73°37'14", Hydrologic Unit 02030202, at Clinton Road and Saint James Street, Garden City. Owner: Nassau County Department of Public Works.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Driven observation water-table well, diameter 1.25 in (0.03 m), depth 35 ft (11 m), screen assumed at bottom.

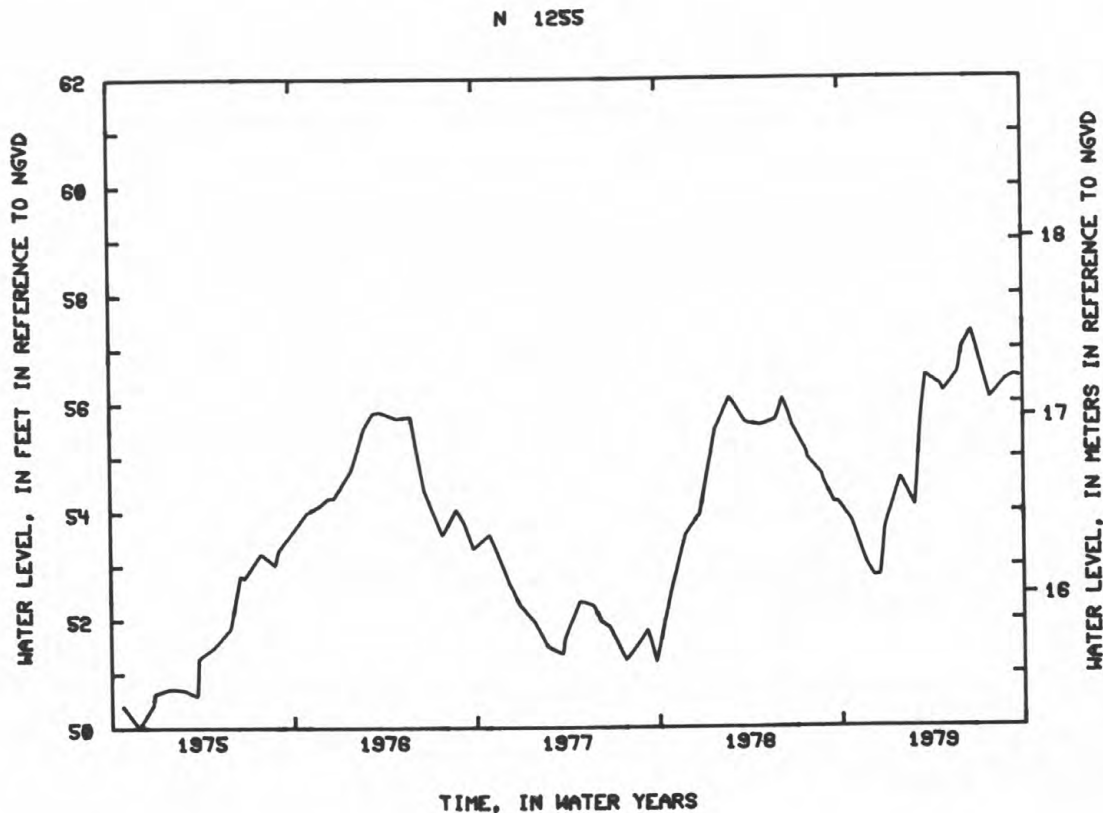
DATUM.--Land-surface datum is 79.3 ft (24.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.61 ft (0.19 m) below land-surface datum. Prior to September 1, 1977, measuring point was 0.04 ft (0.01 m) above land-surface datum.

PERIOD OF RECORD.--October 1975 to current year. Unpublished records for May 1913 to November 1918, June 1936 to September 1975, are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 65.59 ft (19.99 m) NGVD, Apr. 15, 1939; lowest measured 47.48 ft (14.47 m) NGVD, Feb. 24, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	53.81	DEC 6	52.79 G	FEB 27	54.09	APR 18	56.32	JUN 1	57.01 G	AUG 27	56.41
24	53.78	18	52.82	MAR 9	55.72 G	24	56.19	20	57.32	SEP 14	56.49 G
NOV 20	53.05	27	53.70	19	56.51	MAY 21	56.33	JUL 26	56.06	24	56.46
24	52.99	JAN 29	54.62	20	56.50	23	56.57				



G MEASUREMENT BY ANOTHER AGENCY

## NASSAU COUNTY--continued

404317073290901. Local number, N 1259-5.

LOCATION.--Lat 40°43'17", long 73°29'09", Hydrologic Unit 02030202, at Hicksville Road and Mary Lane, Plainedge.

Owner: Nassau County Department of Public Works.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Driven observation water-table well, diameter 1.25 in (0.03 m), depth 41 ft (12 m), screened 38 to 41 ft (11.6 to 12.5 m).

DATUM.--Land-surface datum is 78.4 ft (23.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.32 ft (0.10 m) below land-surface datum.

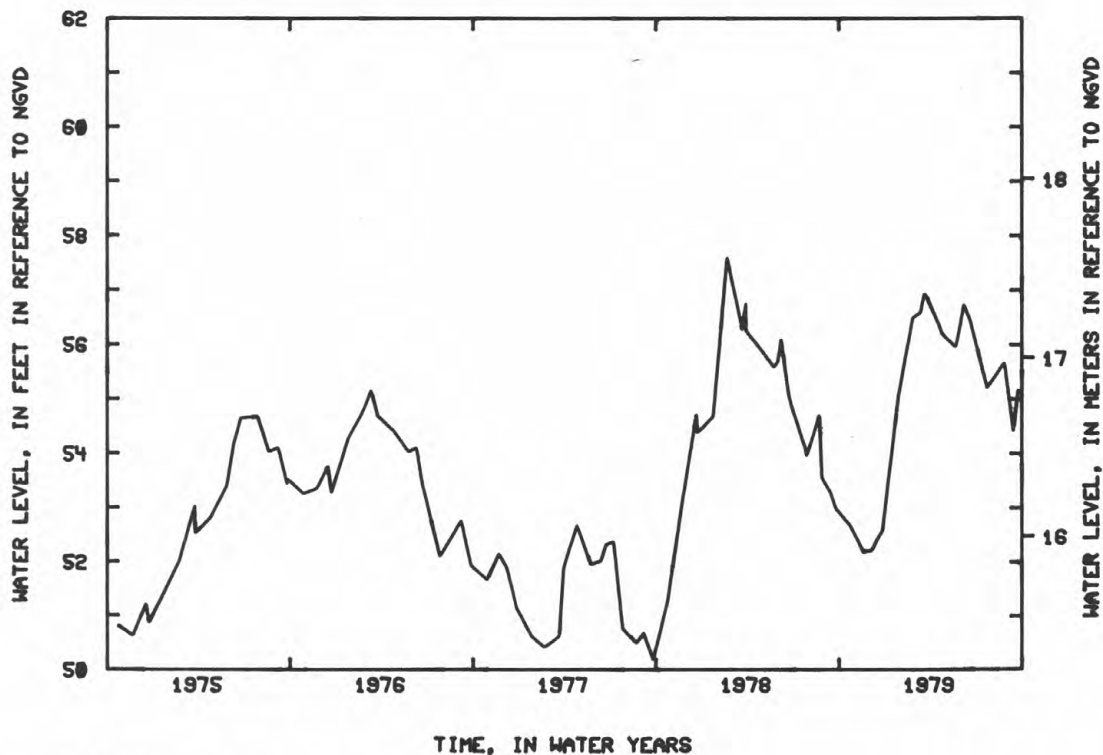
PERIOD OF RECORD.--January 1909 to April 1910, January 1912 to December 1916, February 1930 to December 1935, March 1937 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 57.60 ft (17.56 m) NGVD, February 21, 1978; lowest measured, 45.61 ft (13.90 m) NGVD, Aug. 25, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	52.68	DEC 18	52.45	MAR 12	56.59 G	APR 24	56.20	JUN 7	56.74 G	AUG 27	55.67
NOV 21	52.18	27	52.58	19	56.94	MAY 21	55.95	20	56.43	SEP 14	54.41 G
24	52.21	JAN 29	55.08	21	56.93	24	56.05	JUL 23	55.20	24	55.16
DEC 6	52.22 G	FEB 27	56.50	APR 19	56.34						

N 1259



G MEASUREMENT BY ANOTHER AGENCY

GROUND-WATER LEVELS  
NASSAU COUNTY--continued

404302073295704. Local number, N 1263-4.

LOCATION.--Lat 40°43'02", long 73°29'57", Hydrologic Unit 02030202, at Wantagh Avenue and Miller Place, Levittown.

Owner: Nassau County Department of Public Works.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Driven observation water-table well, diameter 1.25 in (0.03 m), depth 35 ft (11 m), screened 32 to 35 ft (9.8 to 10.7 m).

DATUM.--Land-surface datum is 67.0 ft (20.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.41 ft (0.12 m) below land-surface datum.

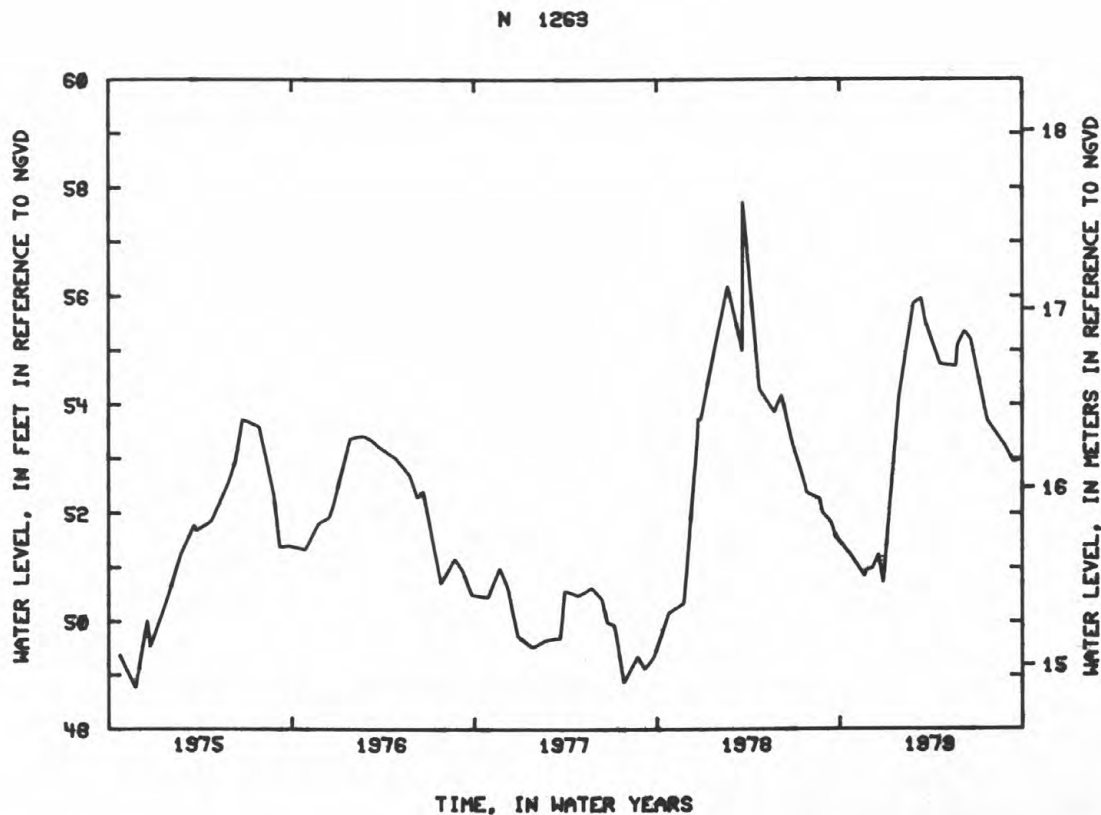
REMARKS.--Water-quality records for 1968, 1970, 1974-76, are available in files of Long Island Sub-district office.

PERIOD OF RECORD.--October 1975 to current year. Unpublished records for June 1936 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 63.05 ft (19.22 m) NGVD, June 29, 1948; lowest measured, 44.01 ft (13.41 m) NGVD, Aug. 25, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	51.23	DEC 6	51.00 G	FEB 27	55.87	APR 19	54.74	JUN 7	55.36 G	AUG 27	53.24
26	51.20	18	51.26	MAR 12	55.96 G	24	54.73	20	55.19	14	52.93 G
NOV 21	50.84	27	50.72	19	55.59	MAY 21	54.71	JUL 23	53.69	24	52.97
24	50.97	JAN 29	54.17	21	55.50	24	55.09				



G MEASUREMENT BY ANOTHER AGENCY

## NASSAU COUNTY--continued

404446073392904. Local number, N 1614-4.

LOCATION.--Lat 40°44'46", long 73°39'29", Hydrologic Unit 02030202, at Herricks Road and Sally Place, Mineola.

Owner: Nassau County Department of Public Works.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Driven observation water-table well, diameter 1.25 in (0.03 m), depth 53 ft (16 m), screen assumed at bottom.

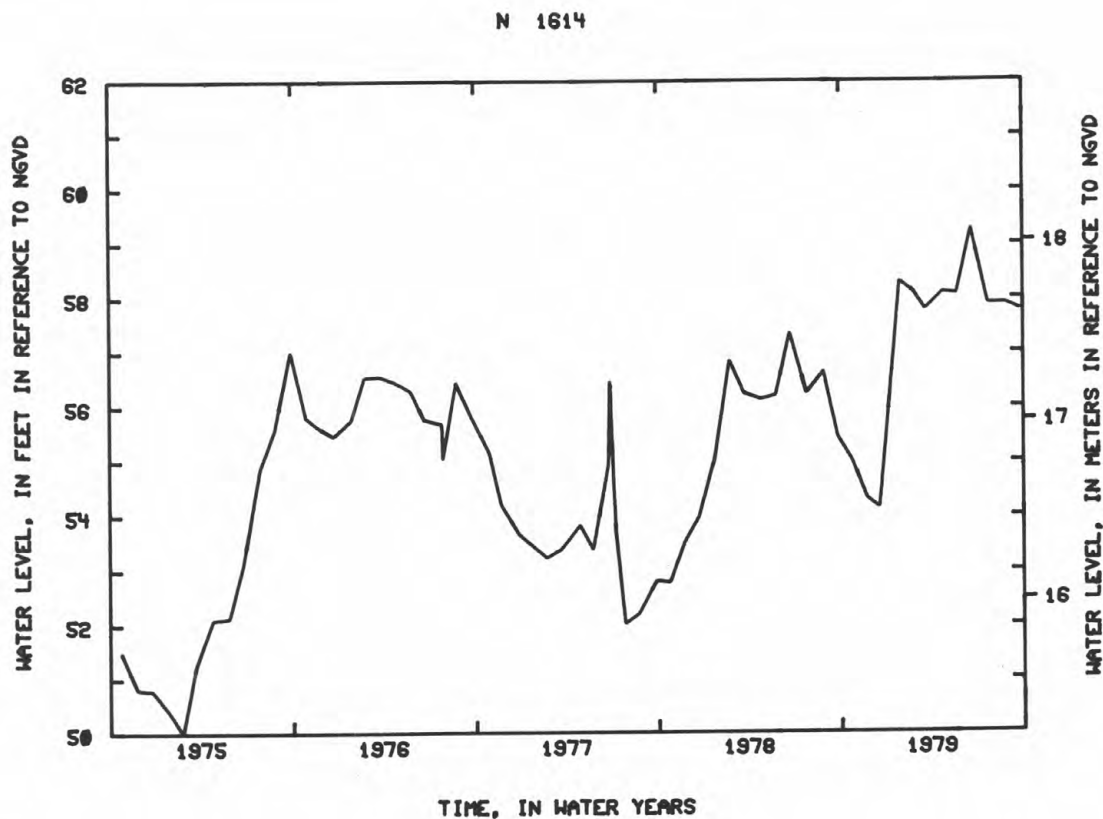
DATUM.--Land-surface datum is 100.1 ft (30.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.26 ft (0.08 m) below land-surface datum.

PERIOD OF RECORD.--October 1975 to current year. Unpublished records for January 1933 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 72.48 ft (22.09 m) NGVD, May 31, 1949; lowest measured, 48.42 ft (14.76 m) NGVD, Dec. 21, 1970.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	55.01	DEC 18	54.14	FEB 27	58.09	APR 24	58.10	JUN 20	59.26	AUG 27	57.89
NOV 24	54.31	JAN 29	58.30	MAR 19	57.77	MAY 21	58.06	JUL 23	57.88	SEP 24	57.77



## NASSAU COUNTY--continued

404210073340702. Local number, N 1615-2.

LOCATION.--Lat 40°42'10", long 73°34'07", Hydrologic Unit 02030202, at Merrick and Van Buren Avenues, East Meadow.

Owner: Nassau County Department of Public Works.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Driven observation water-table well, diameter 1.25 in (0.03 m), depth 32 ft (10 m), screened 30 to 33 ft (9.1 to 10.1 m).

DATUM.--Land-surface datum is 61.0 ft (18.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.13 ft (0.04 m) below land-surface datum.

REMARKS.--Water-quality records for 1966-67, 1969, 1972, are available in files of Long Island Sub-district office.

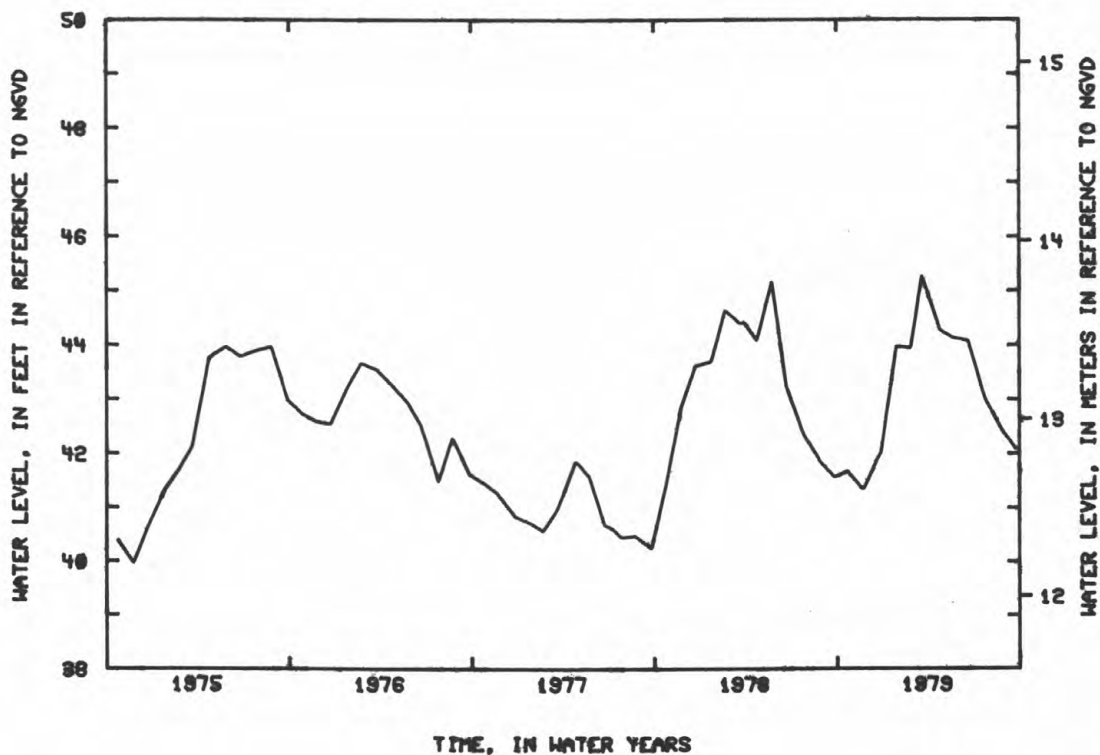
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for March 1913 to December 1915, June 1932 to September 1975, are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 47.17 ft (14.38 m) NGVD, Mar. 28, 1939; lowest measured, 37.88 ft (11.55 m) NGVD, Aug. 25, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	41.69	NOV 24	41.34	JAN 29	43.98	APR 23	44.32	MAY 24	44.12	AUG 27	42.42
24	41.65	DEC 18	41.85	FEB 27	43.94	24	44.27	JUN 20	44.08	SEP 24	42.08
NOV 20	41.37	28	42.03	MAR 19	45.27	MAY 21	44.12	JUL 23	43.01		

N 1615





## NASSAU COUNTY--continued

404554073351502. Local number, N 1616-2.

LOCATION.--Lat 40°45'54", long 73°35'15", Hydrologic Unit 02030202, at Post Avenue and Argyle Road, Westbury.

Owner: Nassau County Department of Public Works.

AQUIFER.--Magothy.

WELL CHARACTERISTICS.--Driven observation water-table well, diameter 2 in (0.05 m), depth 68 ft (21 m), screened 65 to 68 ft (20 to 21 m).

DATUM.--Land-surface datum is 122.4 ft (37.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.32 ft (0.10 m) below land-surface datum.

REMARKS.--Water-quality records for 1969 are available in files of Long Island Sub-district office.

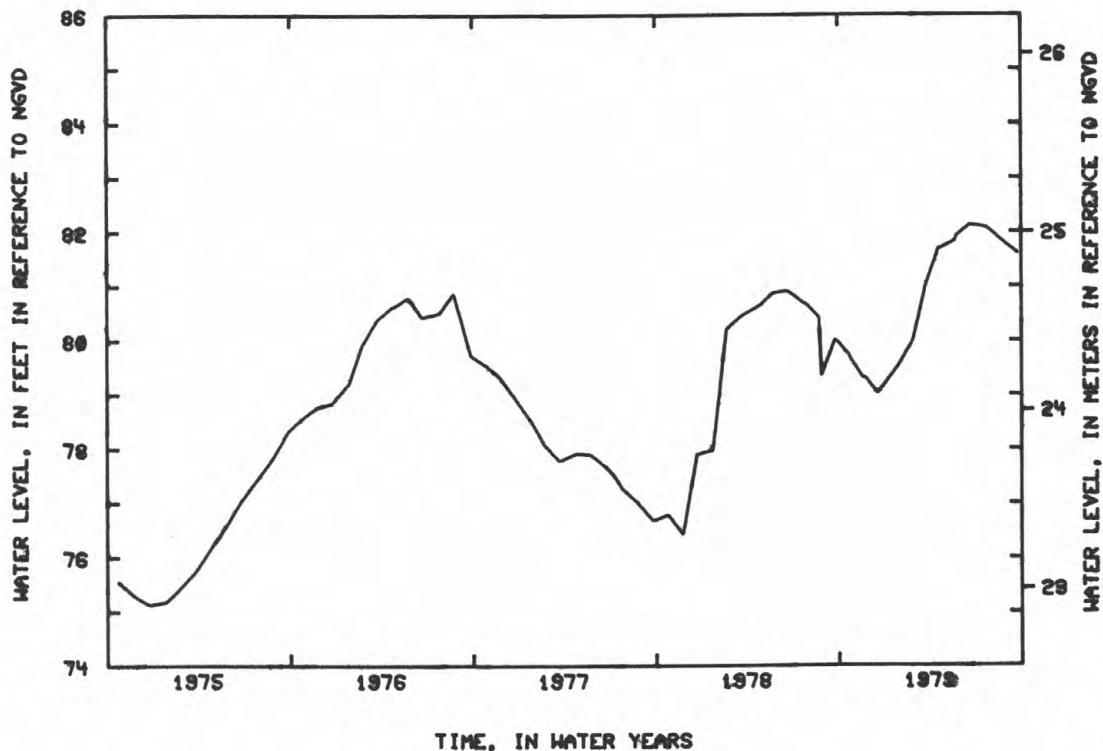
PERIOD OF RECORD.--March 1913 to December 1915, June 1932 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 85.42 ft (26.04 m) NGVD, June 1, 1939; lowest measured, 68.28 ft (20.81 m) NGVD, Feb. 28, 1967.

## WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	79.71	NOV 24	79.31	FEB 27	79.98	APR 18	81.70	MAY 23	81.93	AUG 27	81.80
24	79.66	DEC 18	79.01	MAR 19	80.87	24	81.71	JUN 20	82.13	SEP 24	81.60
NOV 20	79.29	JAN 29	79.53	20	80.95	MAY 21	81.84	JUL 23	82.08		

## N 1616



GROUND-WATER LEVELS  
NASSAU COUNTY--continued

404935073384901. Local number, N 2424.

LOCATION.--Lat 40°49'35", long 73°38'49", Hydrologic Unit 02030201, at Long Island Lighting Company plant on Glenwood Road, Glenwood Landing. Owner: Long Island Lighting Company.

AQUIFER.--Lloyd.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 12 in (0.30 m), depth 461 ft (141 m), screened 427 to 459 ft (130 to 140 m).

DATUM.--Land-surface datum is 20.0 ft (6.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.80 ft (0.55 m) above land-surface datum.

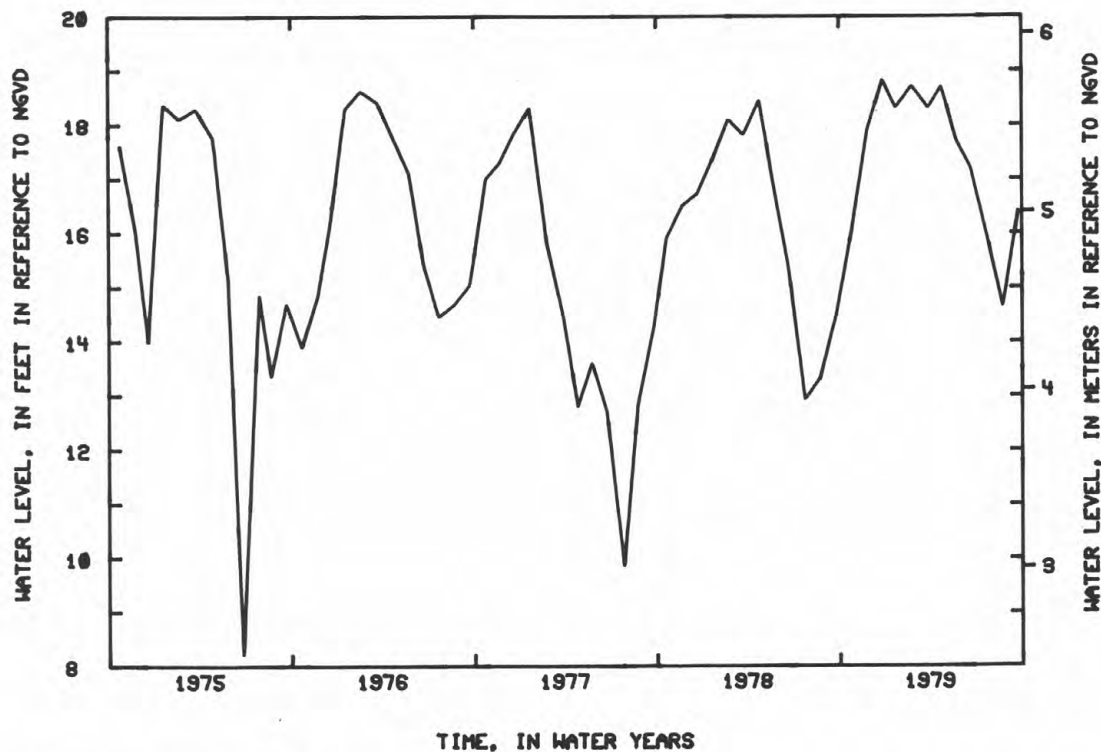
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for February 1948 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.89 ft (6.37 m) NGVD, Mar. 14, 1961; lowest measured, 2.13 ft (0.65 m) NGVD, Oct. 30, 1972.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	16.03	DEC 27	18.82	FEB 25	18.71	APR 23	18.70	JUN 20	17.20	AUG 23	14.64
NOV 27	17.91	JAN 23	18.30	MAR 27	18.30	MAY 22	17.70	JUL 22	15.95	SEP 24	16.40

N 2424



405101073343202. Local number, N 2528-2.

LOCATION.--Lat 40°51'01", long 73°34'32", Hydrologic Unit 02030201, at Chicken Valley and Wolver Hollow Roads, Upper Brookville. Owner: Nassau County Department of Public Works.

AQUIFER.--Magothy.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in (0.15 m) to 4 in (0.10 m), depth 328 ft (100 m), slotted 278 to 328 ft (85 to 100 m).

DATUM.--Land-surface datum is 93.1 ft (28.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of nipple, 0.76 ft (0.23 m) above land-surface datum.

REMARKS.--Water-quality records for 1972 are available in files of Long Island Sub-district office.

PERIOD OF RECORD.--December 1947 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 79.92 ft (24.36 m) NGVD, July 25, 1957; lowest measured, 59.12 ft (18.02 m) NGVD, Feb. 24, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 20	70.61	FEB 2	72.91	MAR 15	73.13	MAY 1	72.91	JUN 22	73.21	SEP 24	72.42

## NASSAU COUNTY--continued

403805073395302. Local number, N 2790-2.

LOCATION.--Lat 40°38'05", long 73°39'53", Hydrologic Unit 02030202, at Bay Park Sewage Treatment Plant, Bay Park.

Owner: Nassau County Department of Public Works.

AQUIFER.--Magothy.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in (0.15 m), depth 571 ft (174 m), screened 538 to 560 ft (164 to 171 m).

DATUM.--Land-surface datum is 6.0 ft (1.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Base of recorder shelf, 3.82 ft (1.16 m) above land-surface datum.

REMARKS.--Water-quality records for 1964-66, 1968, 1971-74, are available in files of Long Island Sub-district office.

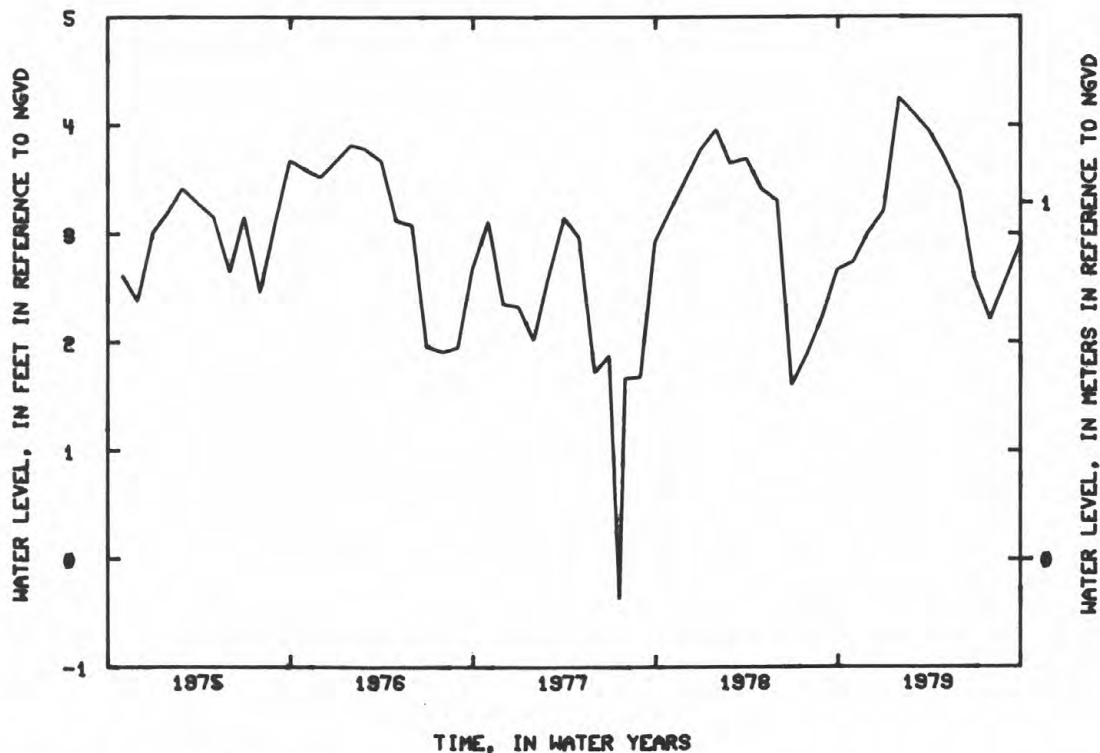
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for July 1960 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.50 ft (1.98 m) NGVD, Apr. 6, 1958; lowest measured, -0.36 ft (-0.11 m) NGVD, July 20, 1977.

## WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	2.74	DEC 31	3.21	FEB 28	4.12	APR 30	3.70	JUN 30	2.59	AUG 31	2.56
NOV 30	3.01	JAN 31	4.25	MAR 31	3.94	MAY 31	3.39	JUL 31	2.21	SEP 30	2.90

N 2790



404619073270602. Local number, N 3355.

LOCATION.--Lat 40°46'19", long 73°27'06", Hydrologic Unit 02030202, at Round Swamp Road, 0.7 mi (1.1 km) south of Old Country Road, Plainview. Owner: U.S. Geological Survey.

AQUIFER.--Lloyd.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 8 in (0.20 m) to 4 in (0.10 m), depth 1,090 ft (332 m), screened 1,070 to 1,090 ft (326 to 332 m).

DATUM.--Land-surface datum is 184.5 ft (56.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.78 ft (0.54 m) below land-surface datum.

REMARKS.--Water-quality records for 1951 are available in files of Long Island Sub-district office.

PERIOD OF RECORD.--August 1951 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 36.17 ft (11.02 m) NGVD, Apr. 10, 1957; lowest measured, 23.18 ft (7.07 m) above NGVD, Apr. 11, 1972.

## WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 18	33.36	FEB 1	33.90	MAR 15	33.80	MAY 1	33.90	JUN 22	33.69	SEP 20	32.72

## GROUND-WATER LEVELS

NASSAU COUNTY--continued

403751073440201. Local number, N 3861.

LOCATION.--Lat 40°37'51", long 73°44'02", Hydrologic Unit 02030202, at Water Pollution Control Plant, Arlington Place, Cedarhurst. Owner: Village of Cedarhurst.

AQUIFER.--Magothy.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in (0.15 m), depth 530 ft (162 m), screened 520 to 530 ft (158 to 162 m).

DATUM.--Land-surface datum is 7.0 ft (2.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.37 ft (0.72 m) above land-surface datum.

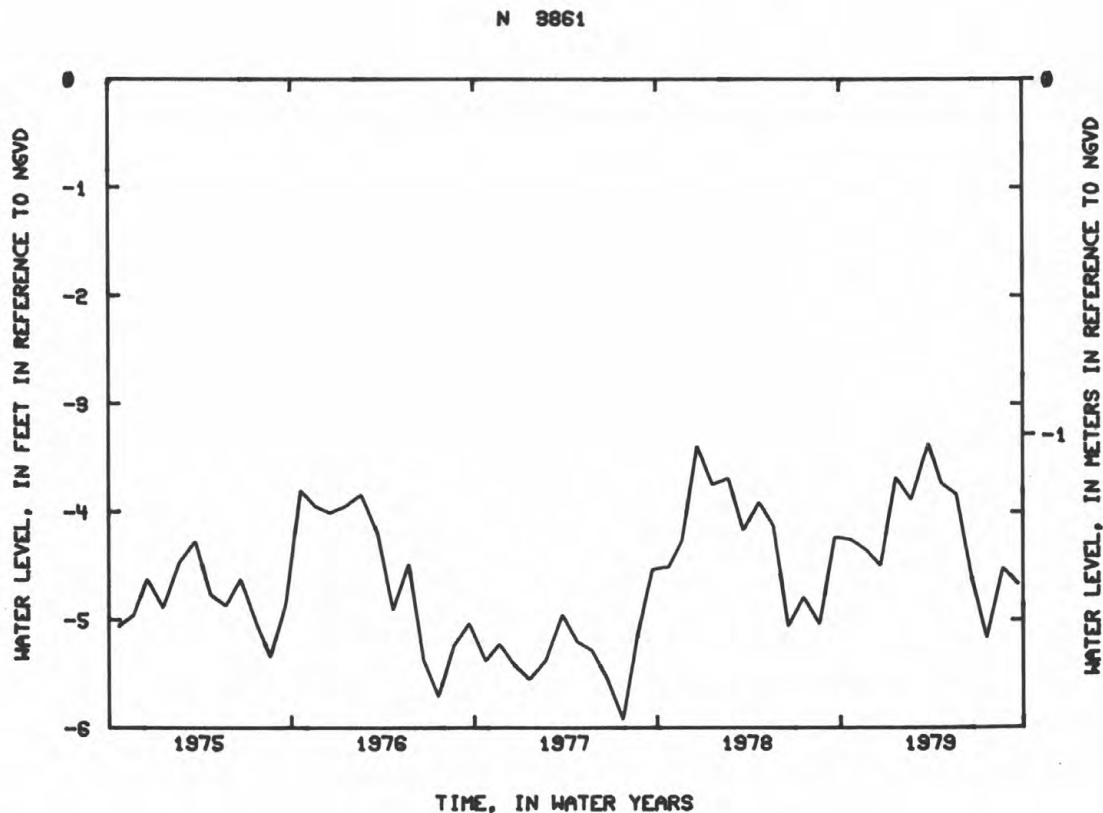
REMARKS.--Water-quality records for 1952-53, 1956, 1959, 1970, 1974, are available in files of Long Island Sub-district office.

PERIOD OF RECORD.--October 1975 to current year. Unpublished records for April 1952 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, -3.12 ft (0.95 m) NGVD, Feb. 14, 1978; lowest measured, -7.57 ft (-2.31 m) NGVD, Aug. 7, 1955.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	-4.25	DEC 21	-4.50	FEB 22	-3.89	APR 22	-3.74	JUN 20	-4.60	AUG 22	-4.52
NOV 22	-4.35	JAN 22	-3.68	MAR 26	-3.37	MAY 21	-3.84	JUL 20	-5.17	SEP 22	-4.67



## NASSAU COUNTY--continued

403911073432002. Local number, N 3867-2.

LOCATION.--lat 40°39'11", long 73°43'20", Hydrologic Unit 02030202, at Brook Road Park, at the end of Brook Road, Green Acres. Owner: Town of Hempstead.

AQUIFER.--Magothy.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in (0.15 m), depth 517 ft (158 m), screened 506 to 517 ft (154 to 158 m).

DATUM.--Land-surface datum is 7.9 ft (2.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.30 ft (0.40 m) above land-surface datum.

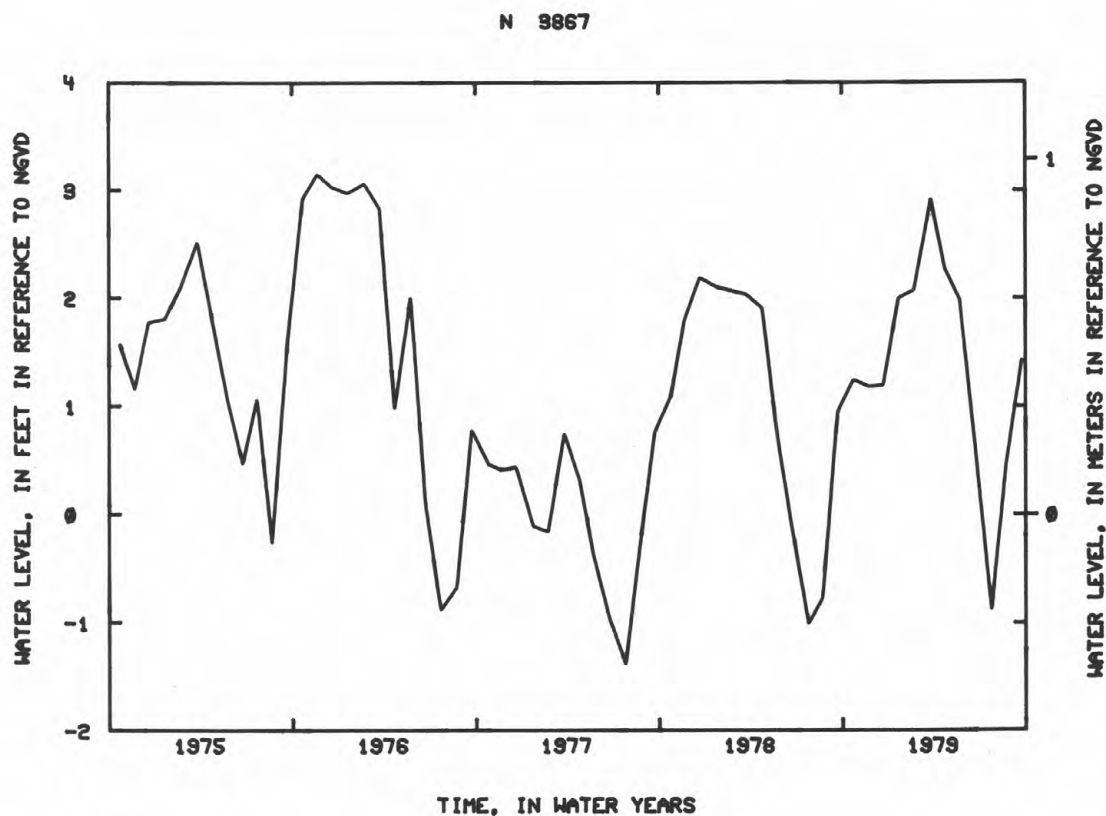
REMARKS.--Water-quality records for 1971 are available in files of Long Island Sub-district office.

PERIOD OF RECORD.--October 1975 to current year. Unpublished records for December 1952 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.99 ft (2.44 m) NGVD, Jan. 28, 1953; lowest measured, -1.57 ft (-0.48 m) NGVD, July 23, 1974.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	1.24	DEC 22	1.19	FEB 22	2.07	APR 23	2.27	JUN 19	0.77	AUG 23	0.46
NOV 22	1.18	JAN 22	2.00	MAR 26	2.91	MAY 22	1.98	JUL 24	-0.88	SEP 24	1.42



## NASSAU COUNTY--continued

405125073420702. Local number, N 6282-2.

LOCATION.--Lat 40°51'25", long 73°42'07", Hydrologic Unit 02030201, at Helen Keller National Center for Deaf-Blind Youths and Adults, Middle Neck Road, Sands Point. Owner: U.S. Geological Survey.

AQUIFER.--Jameco.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in (0.15 m), depth 396 ft (121 m), screened 378 to 388 ft (115 to 118 m).

DATUM.--Land-surface datum is 99.0 ft (30.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of flange, 3.22 ft (0.98 m) above land-surface datum.

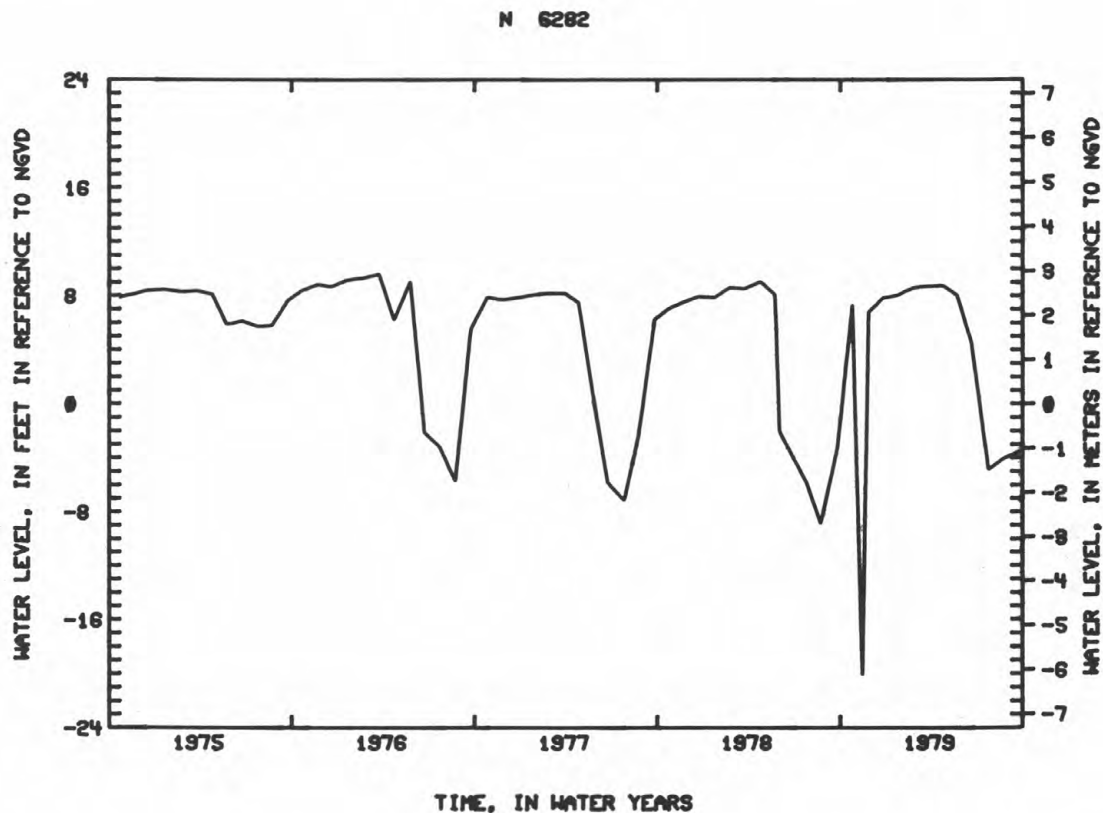
REMARKS.--Water-quality records for 1976 are available in files of Long Island Sub-district office.

PERIOD OF RECORD.--October 1975 to current year. Unpublished records for December 1960 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.58 ft (3.22 m) NGVD, Apr. 25, 1962; lowest measured, -20.09 ft (-6.12 m) NGVD, Nov. 15, 1978.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	7.33	DEC 27	7.36	FEB 26	8.60	APR 24	8.76	JUN 20	4.50	AUG 24	-4.05
NOV 15	-20.09	JAN 24	8.03	MAR 27	8.72	MAY 22	8.00	JUL 24	-4.90	SEP 25	-3.54
27	6.79										





## NASSAU COUNTY--continued

403517073430702. Local number, N 6702.

LOCATION.--Lat 40°35'17", long 73°43'07", Hydrologic Unit 02030202, at Richard and Park Streets, Atlantic Beach.

Owner: Long Island Water Company.

AQUIFER.--Magothy.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in (0.10 m), depth 677 ft (206 m), screen assumed at bottom.

DATUM.--Land-surface datum is 11.0 ft (3.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 1.05 ft (0.32 m) above land-surface datum.

REMARKS.--Water-quality records for 1960 and 1970 are available in files of Long Island Sub-district office.

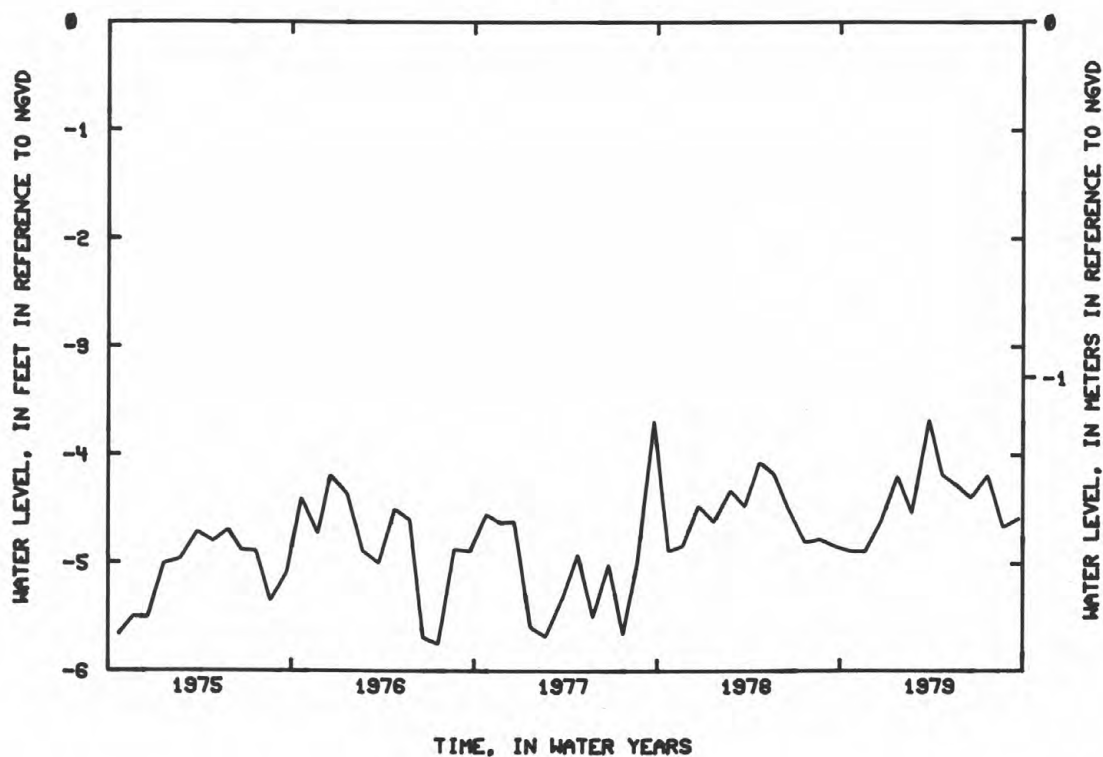
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for August 1959 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, -2.50 ft (-0.76 m) NGVD, Apr. 13, 1961; lowest measured, -8.50 ft (-2.59 m) NGVD, Jul. 23, 1974.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	-4.89	DEC 21	-4.62	FEB 22	-4.54	APR 22	-4.19	JUN 19	-4.40	AUG 22	-4.67
NOV 21	-4.89	JAN 24	-4.20	MAR 26	-3.68	MAY 22	-4.29	JUL 22	-4.19	SEP 23	-4.59

N 6702



## NASSAU COUNTY--continued

403713073415902. Local number, N 6707.

LOCATION.--Lat 40°37'13", long 73°41'59", Hydrologic Unit 02030202, at end of Woodmere Boulevard, at the town dock, Woodsburgh. Owner: Nassau County Department of Public Works.

AQUIFER.--Magothy.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in (0.10 m), depth 503 ft (153 m), screened 494 to 503 ft (151 to 153 m).

DATUM.--Land-surface datum is 5.0 ft (1.5 m) National Geodetic Vertical Datum of 1929. Measuring Point: Top of coupling, 2.08 ft (0.63 m) above land-surface datum.

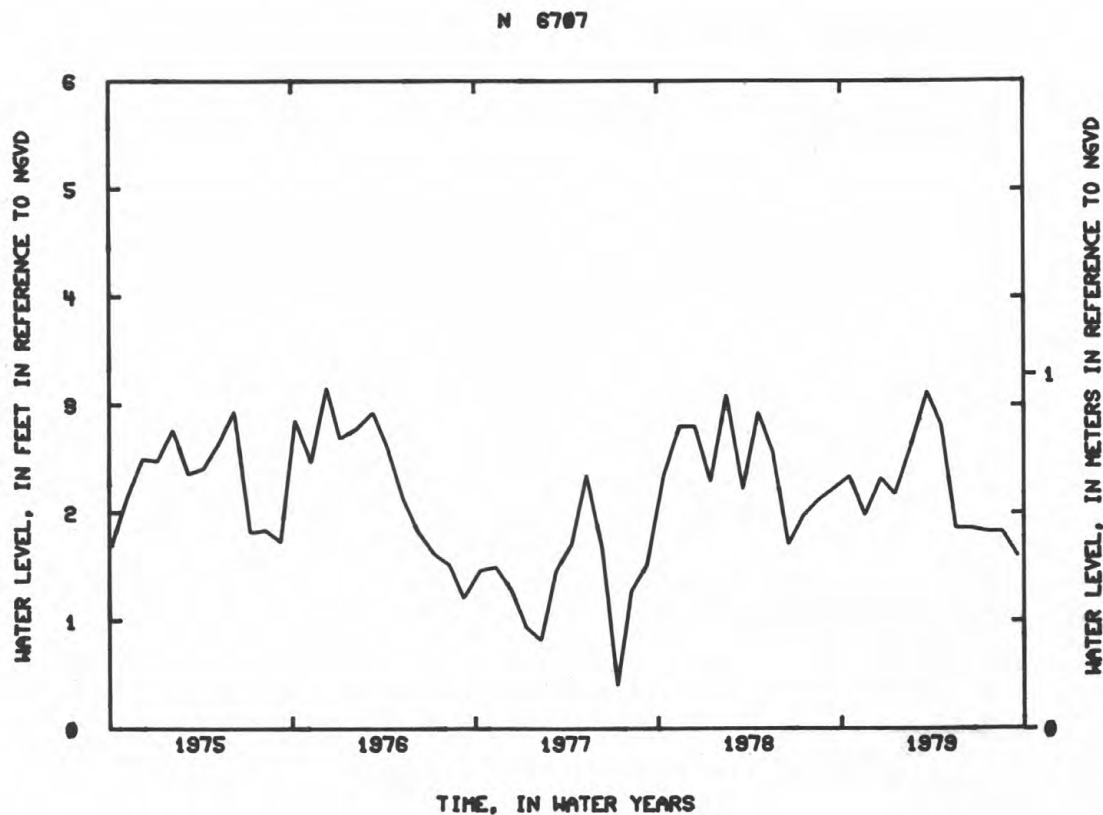
REMARKS.--Water-quality records for 1960, 1964, 1970-71, are available in files of Long Island Sub-district office.

PERIOD OF RECORD.--October 1975 to current year. Unpublished records for October 1959 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.52 ft (1.38 m) NGVD, Mar. 13, 1961; lowest measured, -1.18 ft (-0.36 m) NGVD, July 24, 1974.

## WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	2.34	DEC 20	2.32	FEB 20	2.62	APR 19	2.81	JUN 18	1.86	AUG 19	1.83
NOV 19	1.98	JAN 18	2.17	MAR 22	3.12	MAY 18	2.37	JUL 19	1.83	SEP 19	1.60



## GROUND-WATER LEVELS

127

## NASSAU COUNTY--continued

403533073353202. Local number, N 6850.

LOCATION.--Lat 40°35'33", long 73°35'32", Hydrologic Unit 02030202, at Lido Boulevard, 0.3 mi (0.5 km) west of Loop Parkway, Lido Beach. Owner: U.S. Geological Survey.

AQUIFER.--Magothy.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in (0.15 m), depth 913 ft (278 m), screened 899 to 910 ft (274 to 277 m).

DATUM.--Land-surface datum is 6.8 ft (2.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 2.40 ft (0.73 m) above land-surface datum.

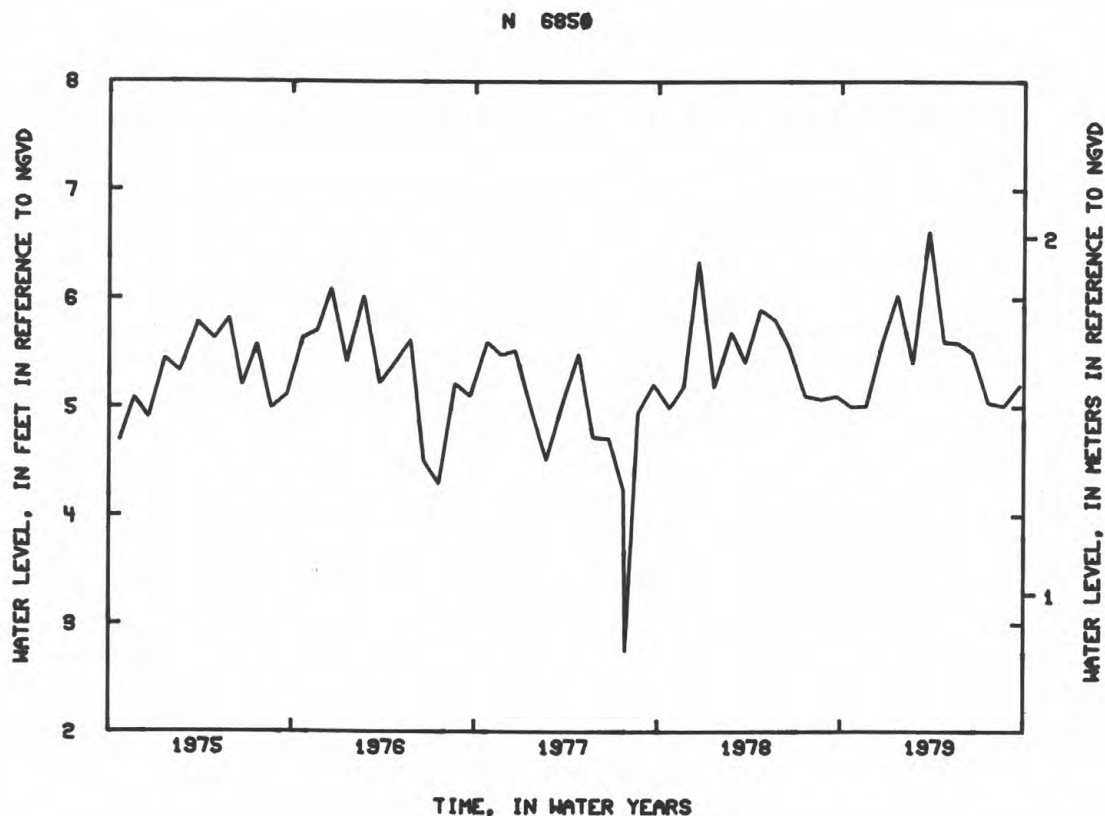
REMARKS.--Water-quality records for 1960 and 1975 are available in files of Long Island Sub-district office.

PERIOD OF RECORD.--October 1975 to current year. Unpublished records for 1960-75 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.00 ft (2.44 m) NGVD, Apr. 13, 1961; lowest measured, 2.75 ft (0.84 m) NGVD, July 28, 1977.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	5.00	DEC 21	5.58	FEB 22	5.40	APR 23	5.60	JUN 19	5.50	AUG 22	5.01
NOV 21	5.01	JAN 22	6.03	MAR 24	6.62	MAY 21	5.59	JUL 21	5.04	SEP 23	5.20



## NASSAU COUNTY--continued

405432073345001. Local number, N 7152.

LOCATION.--Lat 40°54'32", Long 73°34'50", Hydrologic Unit 02030201, at Oak Neck Beach, Bayville. Owner: Town of Oyster Bay.

AQUIFER.--Lloyd.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in (0.15 m), depth 330 ft (101 m), screened 360 to 370 ft (110 to 113 m).

DATUM.--Land-surface datum is 15.0 ft (4.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of nipple, 3.13 ft (0.95 m) above land-surface datum.

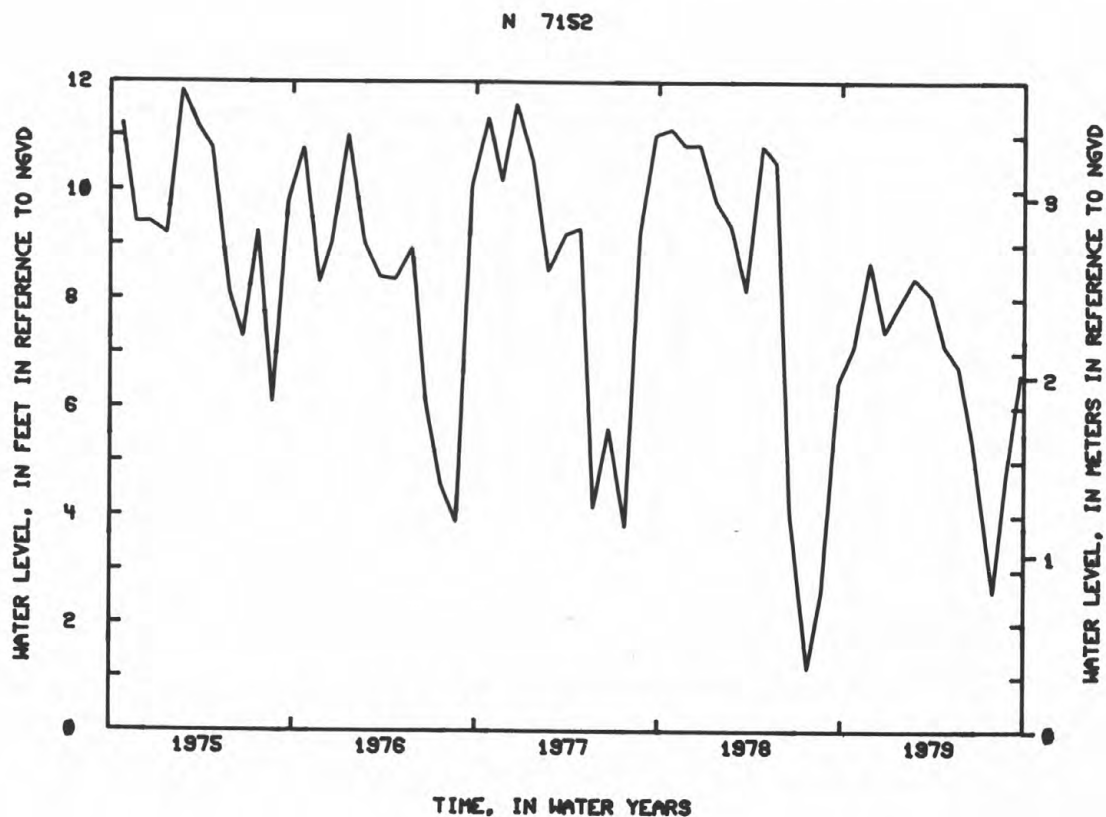
REMARKS.--Water-quality records for 1970 are available in files of Long Island Sub-district office.

PERIOD OF RECORD.--October 1975 to current year. Unpublished records for September 1961 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.74 ft (4.80 m) NGVD, Feb. 5, 1962; lowest measured, -2.54 ft (-0.77 m) NGVD, July 15, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	7.10	DEC 26	7.38	FEB 25	8.39	APR 24	7.13	JUN 19	5.41	AUG 27	4.81
NOV 27	8.68	JAN 23	7.86	MAR 27	8.07	MAY 22	6.75	JUL 31	2.59	SEP 24	6.61



GROUND-WATER LEVELS  
NASSAU COUNTY--continued

129

403856073392602. Local number, N 7161-2.

LOCATION.--Lat 40°38'56", long 73°39'26", Hydrologic Unit 02030202, at Village Dump, at end of Riverside Road, Rockville Centre. Owner: Village of Rockville Centre.

AQUIFER.--Magothy.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in (0.15 m), depth 666 ft (203 m), screened 611 to 666 ft (186 to 203 m).

DATUM.--Land-surface datum is 7.0 ft (2.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of base of recorder shelf, 2.78 ft (0.85 m) above land-surface datum.

REMARKS.--Water-quality records 1964-67 are available in files of Long Island Sub-district office.

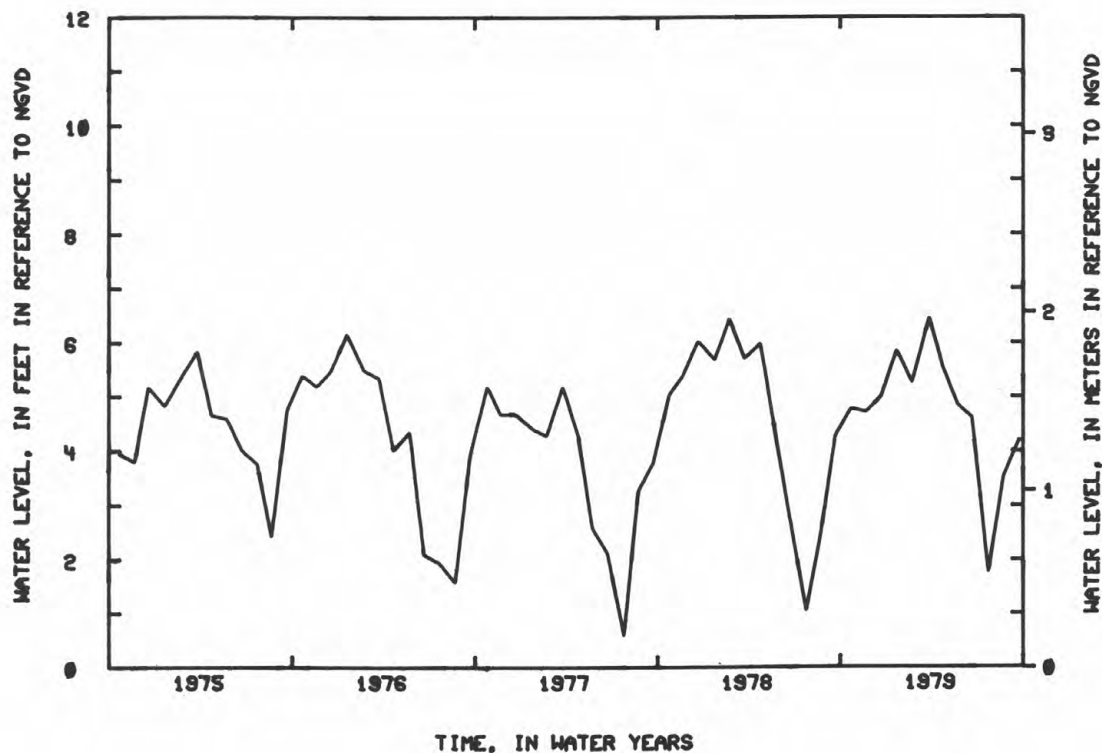
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for 1961-75 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.03 ft (2.45 m) NGVD, Mar. 13, 1962; lowest measured, -2.81 ft (-0.86 m) NGVD, July 13, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	4.78	DEC 22	5.00	FEB 22	5.25	APR 23	5.53	JUN 20	4.61	AUG 23	3.53
NOV 22	4.71	JAN 22	5.85	MAR 26	5.45	MAY 22	4.84	JUL 23	1.76	SEP 24	4.20

N 7161



## NASSAU COUNTY--continued

404237073433701. Local number, N 7493.

LOCATION.--Lat 40°42'37", long 73°43'37", Hydrologic Unit 02030202, at Hempstead Turnpike and Cross Island Parkway, Elmont. Owner: Nassau County Department of Public Works.

AQUIFER.--Magothy.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in (0.10 m), depth 353 ft (108 m), screened 348 to 353 ft (106 to 108 m).

DATUM.--Land-surface datum is 76.0 ft (23.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of flange, 1.59 ft (0.48 m) above land-surface datum.

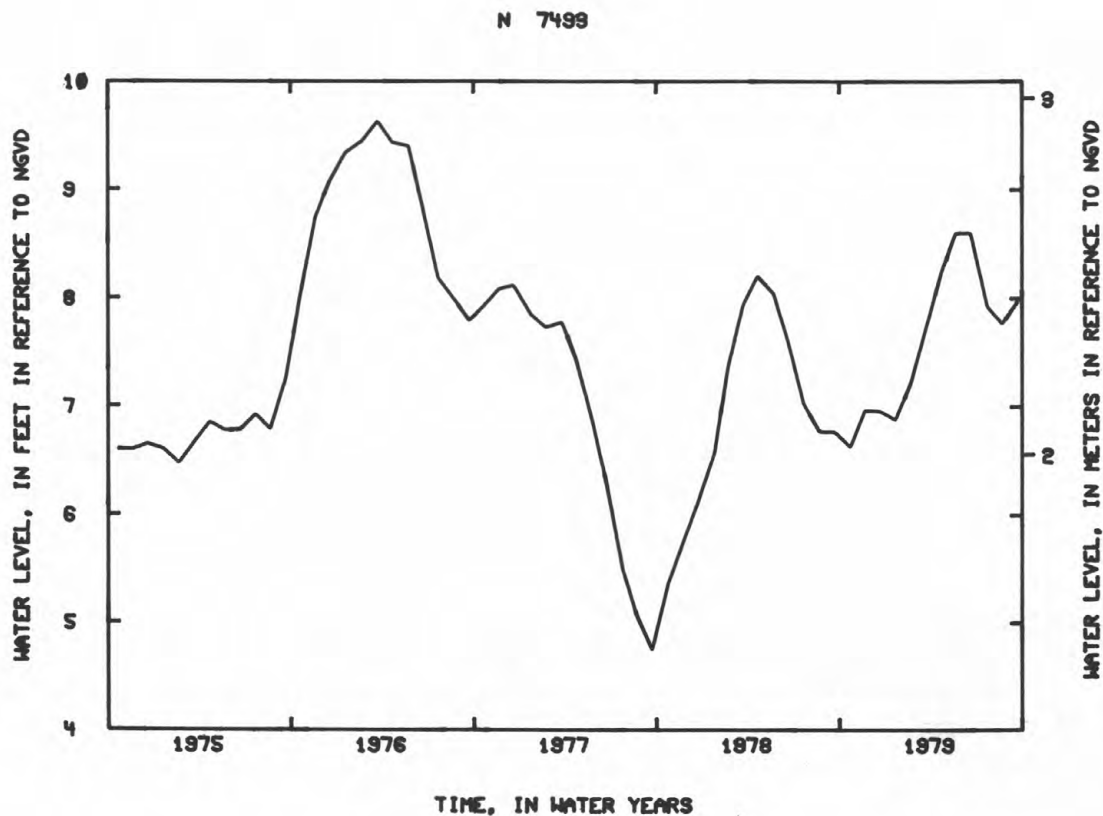
REMARKS.--Water-quality records for 1964, 1967, 1972, are available in files of Long Island Sub-district office.

PERIOD OF RECORD.--October 1975 to current year. Unpublished records for 1964-75 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.33 ft (6.20 m) NGVD, Apr. 30, 1964; lowest measured, 4.63 ft (1.41 m) NGVD, Sept. 18, 1977.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	6.63	DEC 22	6.96	FEB 22	7.21	APR 23	8.24	JUN 20	8.60	AUG 22	7.76
NOV 22	6.97	JAN 22	6.88	MAR 26	7.78	MAY 21	8.60	JUL 23	7.92	SEP 21	7.96





## GROUND-WATER LEVELS

131

## NASSAU COUNTY--continued

405418073323801. Local number, N 7546.

LOCATION.--Lat 40°54'18", long 73°32'38", Hydrologic Unit 02030201, at West Harbor Drive and Ludlum Avenue, Bayville. Owner: Nassau County Department of Public Works.

AQUIFER.--Lloyd.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in (0.10 m), depth 364 ft (111 m), screened 359 to 364 ft (119 to 111 m).

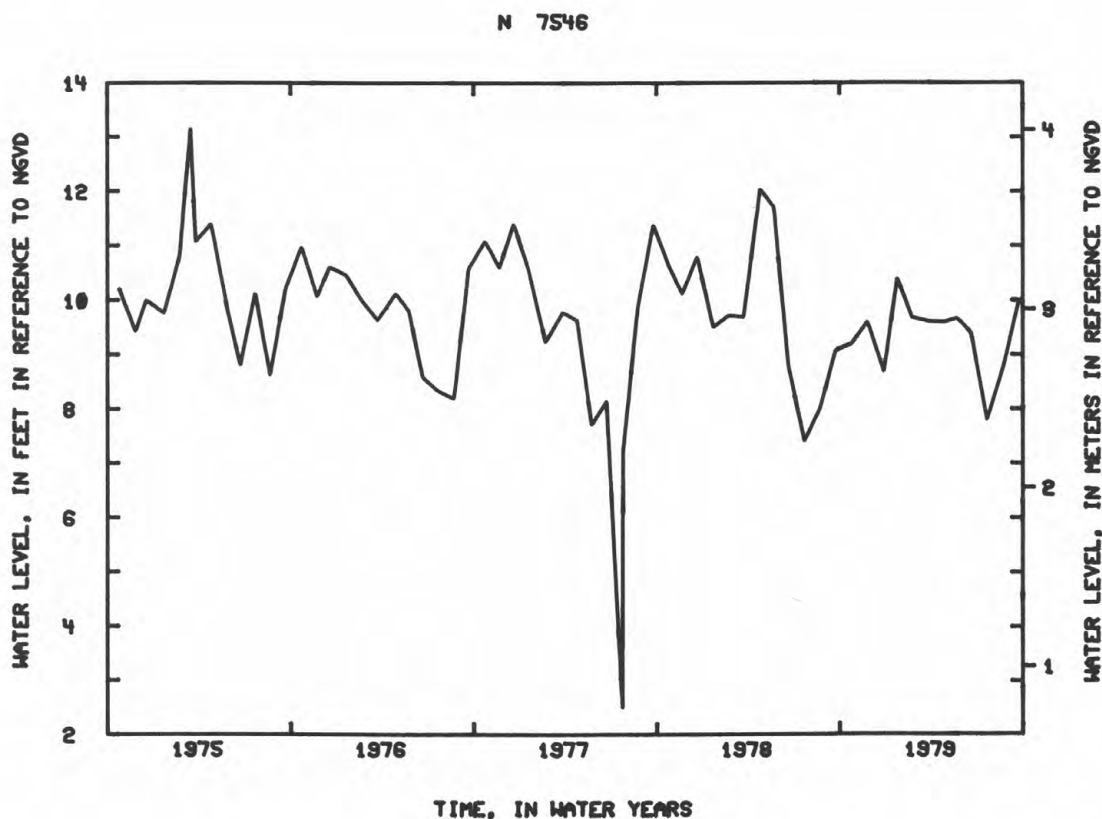
DATUM.--Land-surface datum is 12.0 ft (3.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.87 ft (0.57 m) above land-surface datum.

PERIOD OF RECORD.--October 1975 to current year. Unpublished records for 1964-75 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.15 ft (4.01 m) NGVD, Mar. 15, 1975; lowest measured, 2.49 ft (0.76 m) NGVD, July 24, 1977.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	9.20	DEC 28	8.68	FEB 23	9.67	APR 27	9.59	JUN 19	9.39	AUG 24	8.79
NOV 26	9.60	JAN 24	10.40	MAR 27	9.60	MAY 22	9.66	JUL 21	7.79	SEP 24	10.00



## NASSAU COUNTY--continued

403805073395303. Local number, N 7675.

LOCATION.--Lat 40°38'05", long 73°39'53", Hydrologic Unit 02030202, at Bay Park Sewage Treatment Plant, Bay Park.

Owner: Nassau County Department of Public Works.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 4 in (0.10 m), depth 35 ft (11 m), screened 28 to 34 ft (9 to 10 m).

DATUM.--Land-surface datum is 6.0 ft (1.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.95 ft (0.90 m) above land-surface datum.

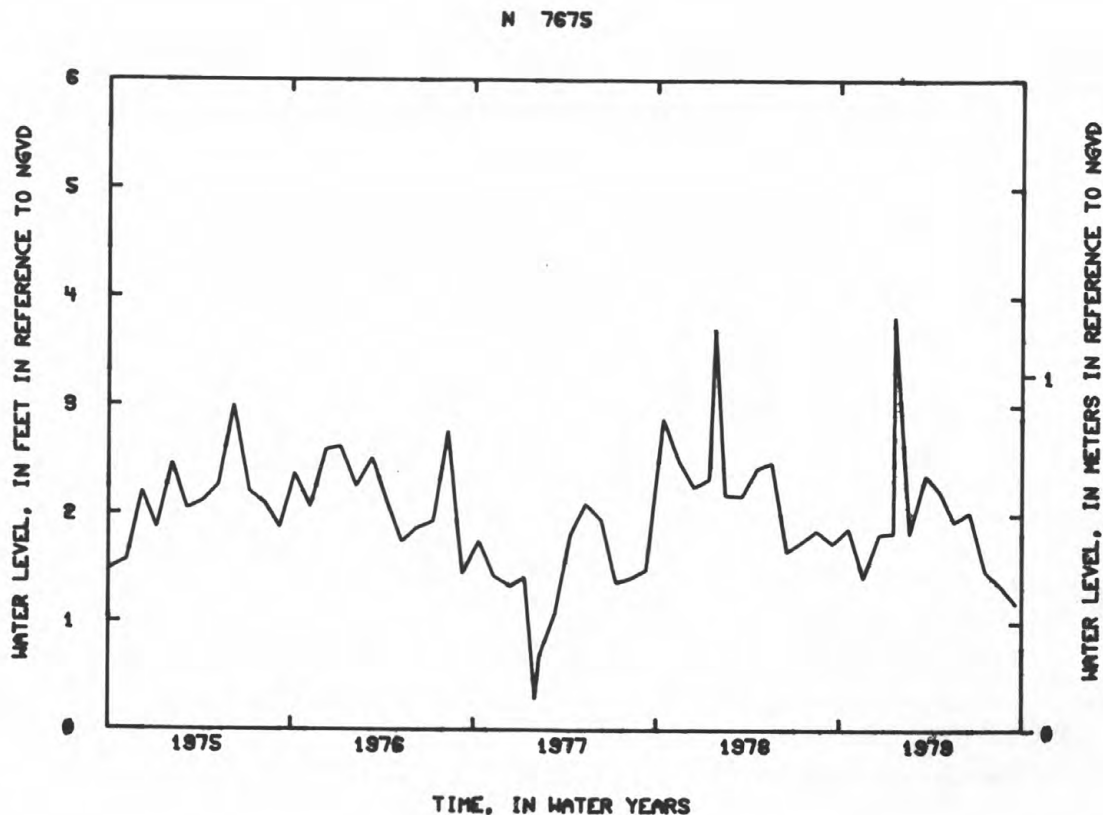
REMARKS.--Water-quality records for 1965 are available in files of Long Island Sub-district office.

PERIOD OF RECORD.--October 1975 to current year. Unpublished records for 1966-75 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.82 ft (1.16 m) NGVD, Jan. 20, 1979; lowest measured, 0.30 ft (0.09 m) above NGVD, Feb. 2, 1977.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	1.88	JAN 18	1.84	FEB 20	1.83	APR 19	2.22	JUN 18	2.03	AUG 19	1.35
NOV 19	1.42	20	3.82	MAR 22	2.37	MAY 18	1.94	JUL 19	1.48	SEP 19	1.18
DEC 20	1.83										



## NASSAU COUNTY--continued

403805073395304. Local number, N 7676.

LOCATION.--Lat 40°38'05", long 73°39'53", Hydrologic Unit 02030202, at Bay Park Sewage Treatment Plant, Bay Park.

Owner: Nassau County Department of Public Works.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Driven observation water-table well, diameter 4 in (0.10 m), depth 10 ft (3 m), screened 7 to 10 ft (2.1 to 3.0 m).

DATUM.--Land-surface datum is 6.0 ft (1.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.33 ft (1.01 m) above land-surface datum.

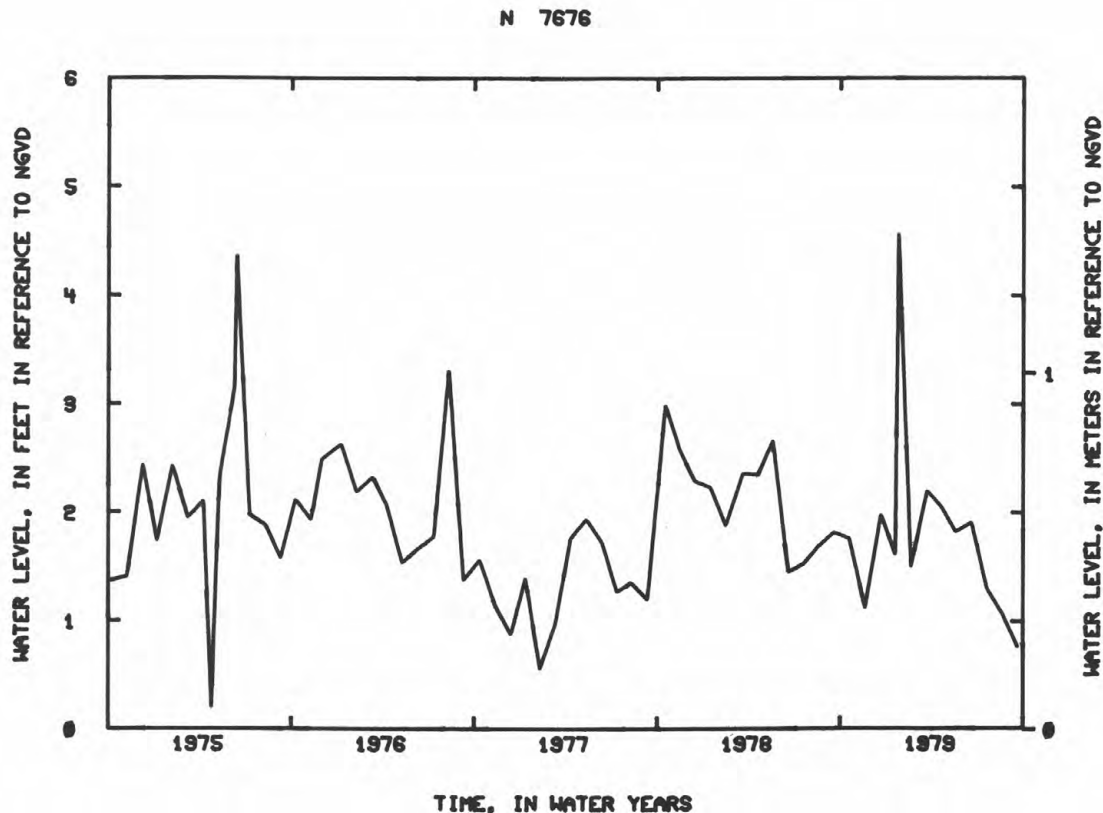
REMARKS.--Water-quality records for 1965 are available in files of Long Island Sub-district office.

PERIOD OF RECORD.--October 1975 to current year. Unpublished records for 1966-75 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.56 ft (1.39 m) NGVD, Jan. 25, 1979; lowest measured, 0.20 ft (0.06 m) NGVD, Apr. 24, 1975.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	1.76	JAN 19	1.61	FEB 20	1.50	APR 20	2.05	JUN 19	1.91	AUG 20	1.07
NOV 20	1.12	25	4.56	MAR 22	2.20	MAY 18	1.82	JUL 20	1.30	SEP 20	0.76
DEC 21	1.98										



## GROUND-WATER LEVELS

NASSAU COUNTY--continued

403805073395503. Local number, N 7677.

LOCATION.--lat 40°38'05", long 73°39'55", Hydrologic Unit 02030202, at Bay Park Sewage Treatment Plant, Bay Park.

Owner: Nassau County Department of Public Works.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 4 in (0.10 m), depth 89 ft (27 m), screened 84 to 89 ft (26 to 27 m).

DATUM.--Land-surface datum is 6.0 ft (1.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.66 ft (0.81 m) above land-surface datum.

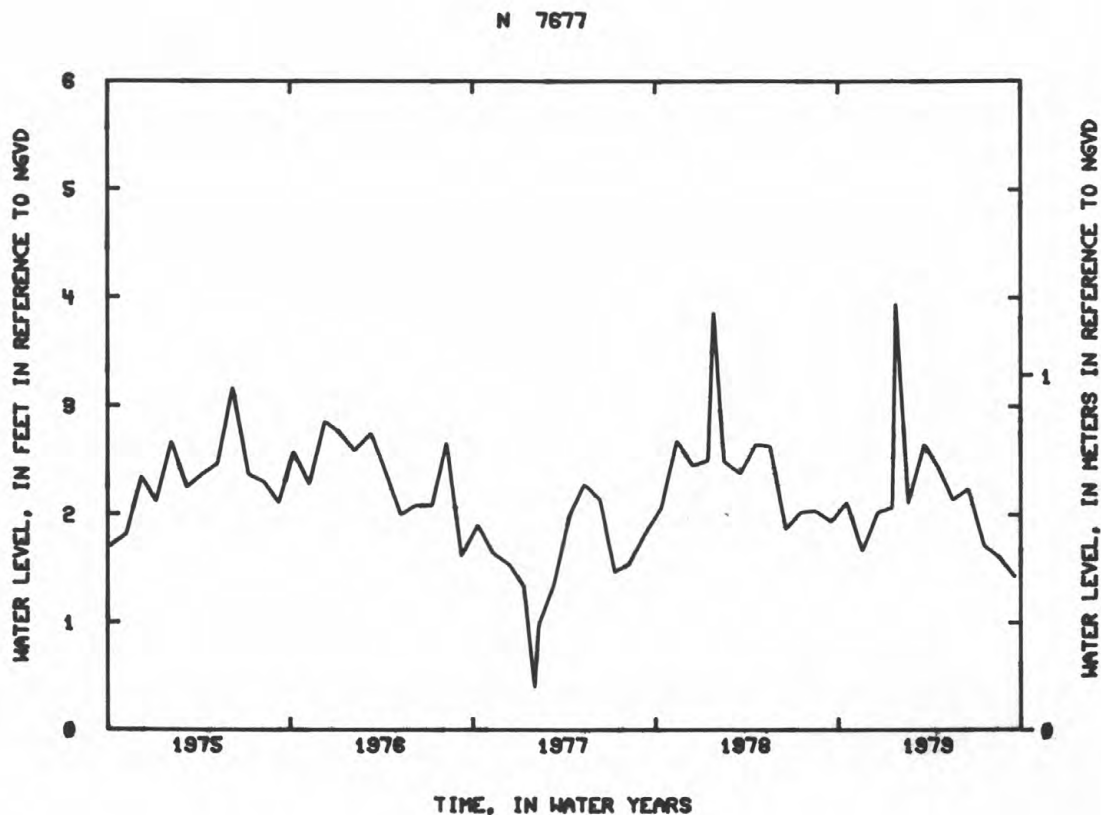
REMARKS.--Water-quality records for 1965 and 1973 are available in files of Long Island Sub-district office.

PERIOD OF RECORD.--October 1975 to current year. Unpublished records for 1966-75 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.94 ft (1.20 m) NGVD, Jan. 25, 1979; lowest measured, 0.40 ft (0.12 m) NGVD, Feb. 2, 1977.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	2.12	JAN 18	2.07	FEB 20	2.11	APR 20	2.43	JUN 18	2.24	AUG 19	1.61
NOV 19	1.67	25	3.94	MAR 22	2.65	MAY 18	2.14	JUL 19	1.72	SEP 19	1.43
DEC 20	2.03										



## NASSAU COUNTY--continued

403803073395306. Local number, N 7888.

LOCATION.--Lat 40°38'03", long 73°39'53", Hydrologic Unit 02030202, at Bay Park Sewage Treatment Plant, Bay Park.

Owner: Nassau County Department of Public Works.

AQUIFER.--Magothy.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in (0.10 m), depth 327 ft (100 m), screened 307 to 317 ft (94 to 97 m).

DATUM.--Land-surface datum is 6.0 ft (1.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 5.56 ft (1.69 m) above land-surface datum.

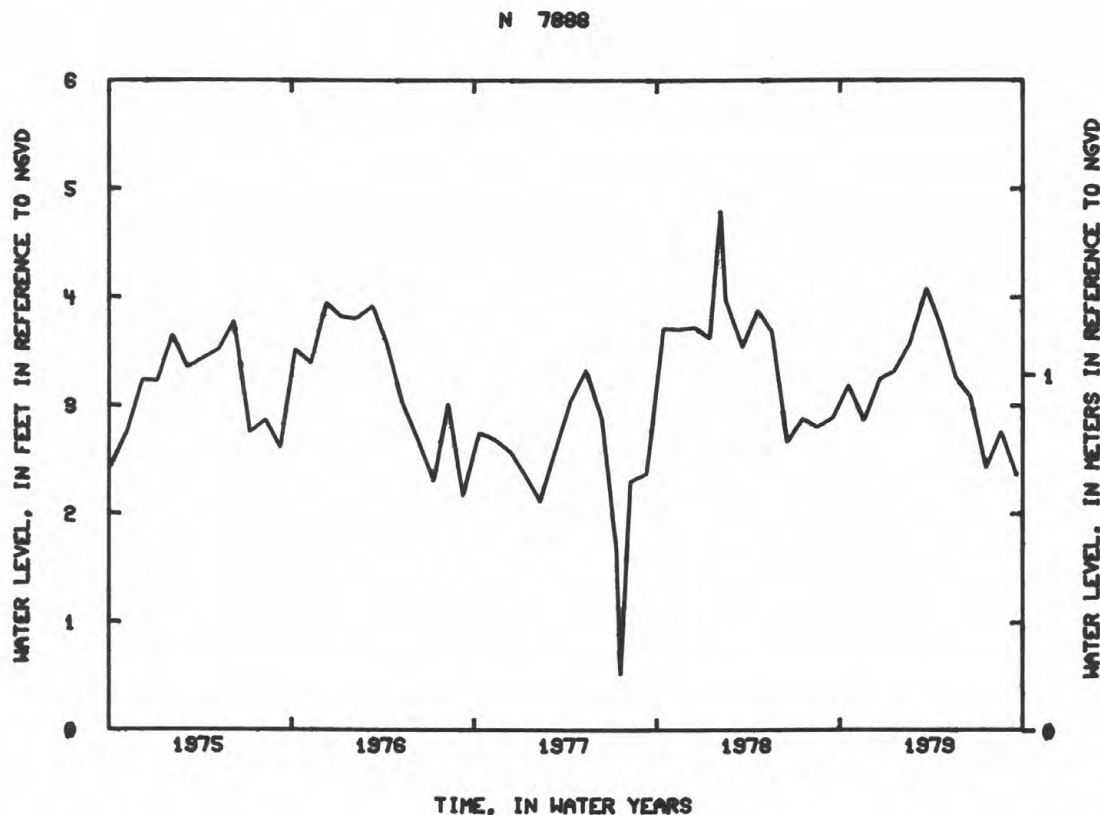
REMARKS.--Water-quality records for 1965-70, 1972-73, are available in files of Long Island Sub-district office.

PERIOD OF RECORD.--October 1975 to current year. Unpublished records for 1966-75 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.79 ft (1.46 m) NGVD, Feb. 6, 1978; lowest measured, 0.52 ft (0.16 m) NGVD, July 20, 1977.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	3.19	DEC 20	3.25	FEB 19	3.58	APR 20	3.73	JUN 18	3.08	AUG 19	2.76
NOV 19	2.86	JAN 18	3.32	MAR 22	4.08	MAY 19	3.26	JUL 19	2.42	SEP 19	2.36



## GROUND-WATER LEVELS

NASSAU COUNTY--continued

403804073395201. Local number, N 8022.

LOCATION.--Lat 40°38'04", long 73°39'52", Hydrologic Unit 02030202, at Bay Park Sewage Treatment Plant, Bay Park.

Owner: Nassau County Department of Public Works.

AQUIFER.--Magothy.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in (0.15 m), depth 490 ft (149 m), screened 420 to 480 ft (128 to 146 m).

DATUM.--Land-surface datum is 6.0 ft (1.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 4.10 ft (1.25 m) above land-surface datum.

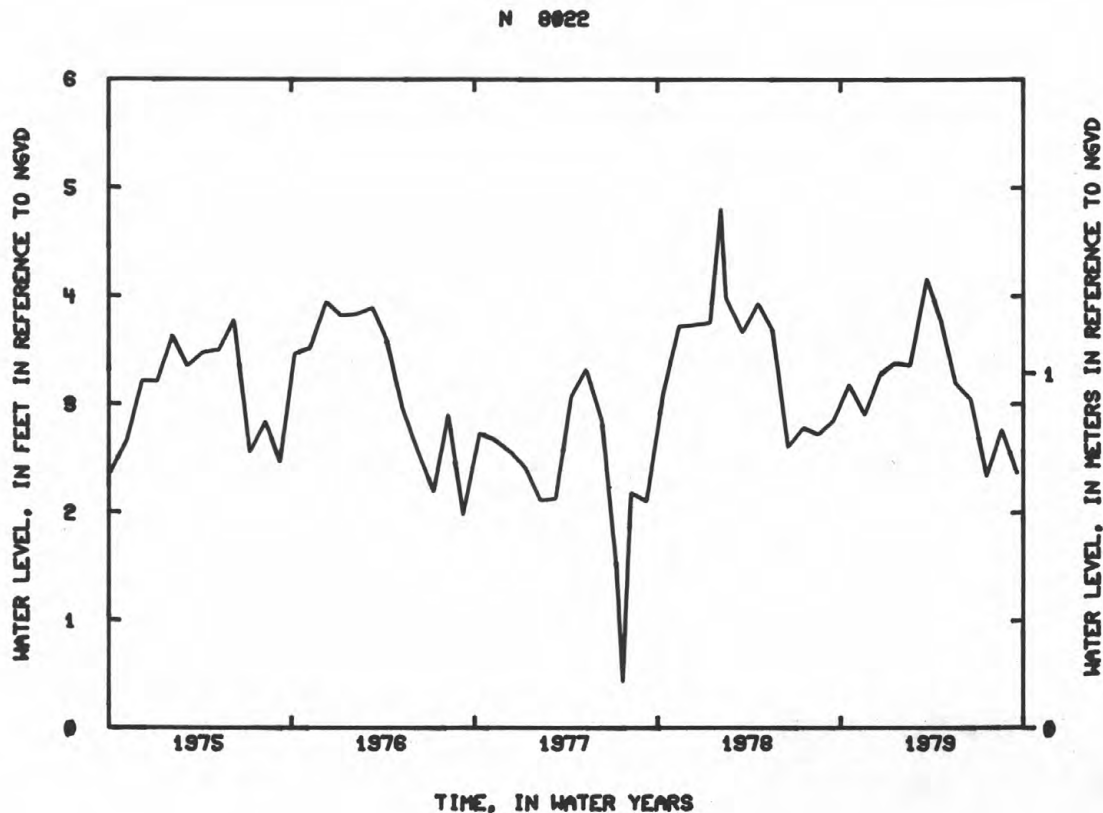
REMARKS.--Water-quality records for 1972-74 are available in files of Long Island Sub-district office.

PERIOD OF RECORD.--October 1975 to current year. Unpublished records for 1966-75 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.80 ft (1.46 m) NGVD, Feb. 6, 1978; lowest measured, 0.43 ft (0.13 m) NGVD, July 23, 1977.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	3.18	DEC 20	3.28	FEB 19	3.36	APR 19	3.77	JUN 18	3.04	AUG 19	2.76
NOV 19	2.90	JAN 18	3.38	MAR 22	4.16	MAY 18	3.19	JUL 19	2.33	SEP 19	2.36





GROUND-WATER LEVELS  
NASSAU COUNTY--continued

137

404947073450301. Local number, N 8046.

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

Owner: Nassau County Department of Public Works.

AQUIFER.--Jameco.

WELL CHARACTERISTICS.--Driven observation artesian well, diameter 4 in (0.10 m), depth 189 ft (58 m), screened 184 to 189 ft (56 to 58 m).

DATUM.--Land-surface datum is 8.0 ft (2.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.66 ft (1.12 m) above land-surface datum.

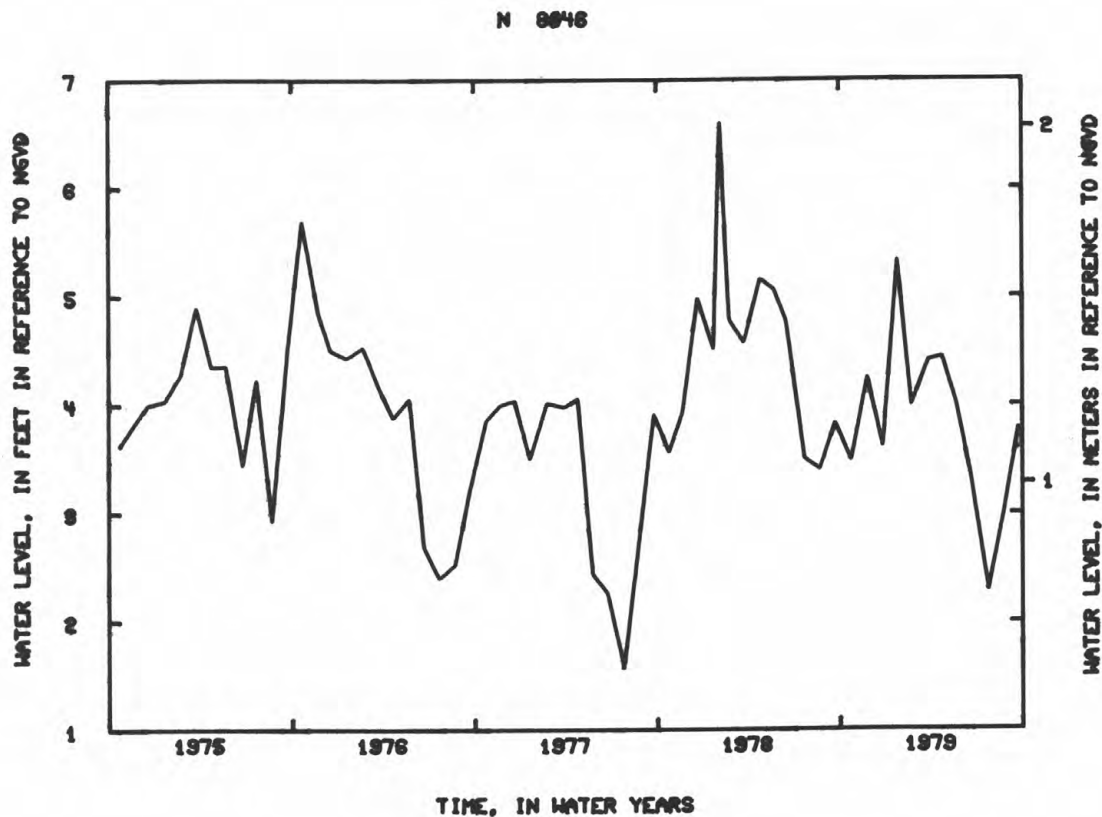
REMARKS.--Water-quality records for 1966 and 1976 are available in files of Long Island Sub-district office.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.60 ft (2.01 m) NGVD, Feb. 6, 1978; lowest measured, -1.20 ft (-0.37 m) NGVD, July 19, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	3.48	DEC 26	3.61	FEB 22	3.99	APR 23	4.44	JUN 20	3.31	AUG 24	2.98
NOV 26	4.25	JAN 25	5.33	MAR 26	4.41	MAY 21	4.00	JUL 24	2.29	SEP 24	3.78



## GROUND-WATER LEVELS

NASSAU COUNTY--continued

404537073370102. Local number, N 8269-2.

LOCATION.--Lat 40°45'37", long 73°37'01", Hydrologic Unit 02030202, at Hillside Avenue and Bacon Road, Old Westbury.

Owner: Nassau County Department of Public Works.

AQUIFER.--Magothy.

WELL CHARACTERISTICS.--Driven observation water-table well, diameter 4 in (0.10 m), depth 86 ft (26 m), screened 81 to 86 ft (25 to 26 m).

DATUM.--Land-surface datum is 111.7 ft (34.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.15 ft (0.05 m) below land-surface datum.

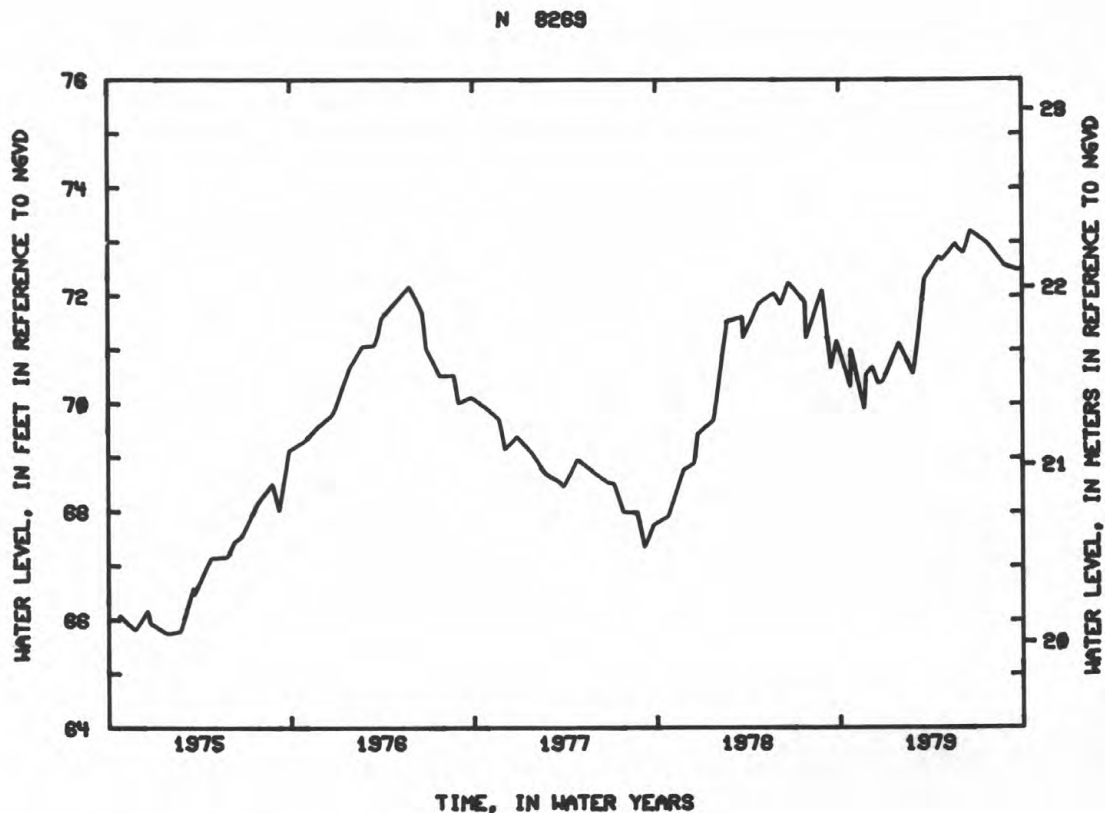
REMARKS.--Prior to April 1976, well was in upper glacial aquifer, depth 63.7 ft (19.4 m). Replaced well N 1256, April 1967.

PERIOD OF RECORD.--October 1975 to current year. Unpublished records for June 1936 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 80.97 ft (24.68 m) NGVD, May 20, 1939; lowest measured, 60.83 ft (18.54 m) NGVD, Sept. 29, 1971.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	70.31	DEC 6	70.68 G	FEB 27	70.55	APR 18	72.72	MAY 23	72.90	JUL 23	72.97
24	71.01	18	70.37	MAR 7	71.29 G	24	72.65	JUN 6	72.78 G	AUG 27	72.55
NOV 20	69.90	27	70.41	19	72.29	MAY 21	72.97	20	73.20	SEP 24	72.47
24	70.55	JAN 29	71.13	20	72.33						



G MEASUREMENT BY ANOTHER AGENCY

## NASSAU COUNTY--continued

404742073410301. Local number, N 8309.

LOCATION.--Lat 40°47'42", long 73°41'03", Hydrologic Unit 02030201, at Northern Boulevard and Manhasset Woods Road, Munsey Park. Owner: Nassau County Department of Public Works.

AQUIFER.--Magothy.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 4 in (0.10 m), depth 199 ft (61 m), screened 194 to 199 ft (59 to 61 m).

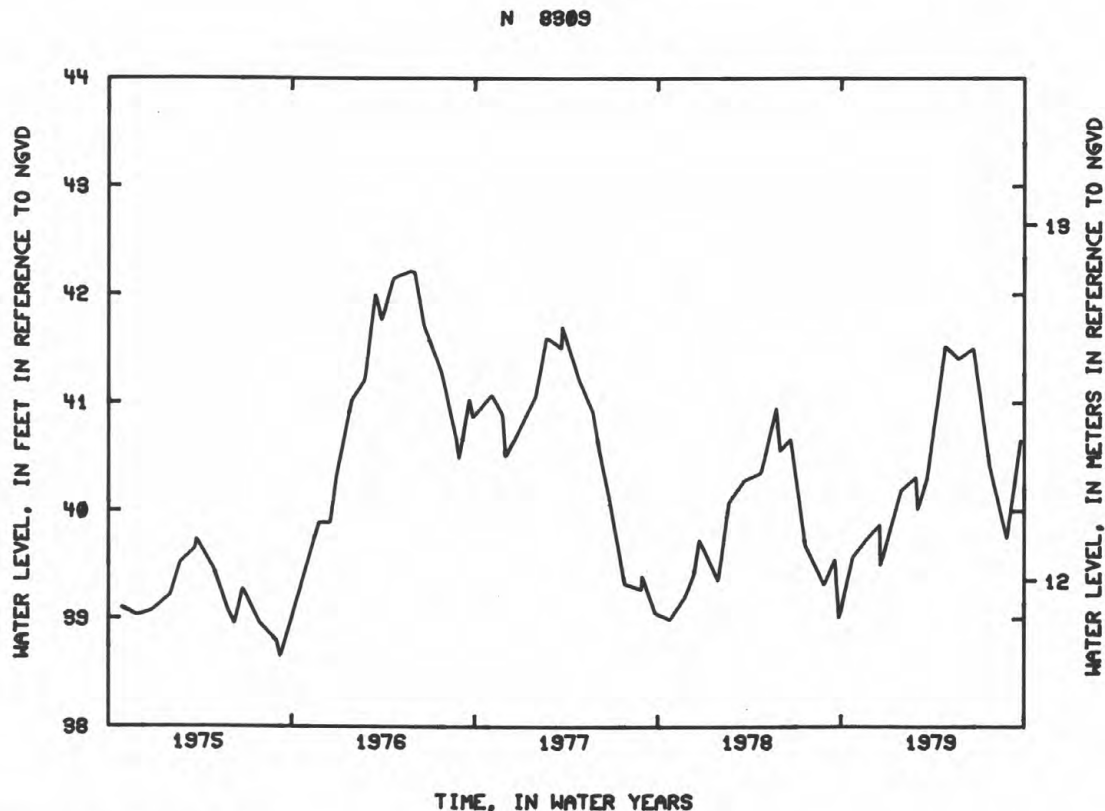
DATUM.--Land-surface datum is 143.2 ft (43.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of pipe, 0.15 ft (0.05 m) below land-surface datum.

PERIOD OF RECORD.--October 1975 to current year. Unpublished records for March 1967 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.21 ft (12.87 m) NGVD, May 25, 1976; lowest measured, 33.53 ft (10.22 m) NGVD, Sept. 23, 1968.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	39.57	DEC 18	39.49	MAR 1	40.01 G	APR 25	41.52	JUN 21	41.50	AUG 27	39.74
NOV 24	39.75	JAN 29	40.19	19	40.29	MAY 21	41.40	JUL 23	40.41	SEP 24	40.65
DEC 17	39.87 G	FEB 28	40.31								



G MEASUREMENT BY ANOTHER AGENCY

GROUND-WATER LEVELS  
NASSAU COUNTY--continued

404404073305701. Local number, N 8959.

LOCATION.--Lat 40°44'04", long 73°30'57", Hydrologic Unit 02030202, at Meadowbrook Hospital Sewage Treatment Plant, East Meadow. Owner: Nassau County Department of Public Works.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2 in (0.05 m), depth 49 ft (15 m), screened 44 to 49 ft (13 to 15 m).

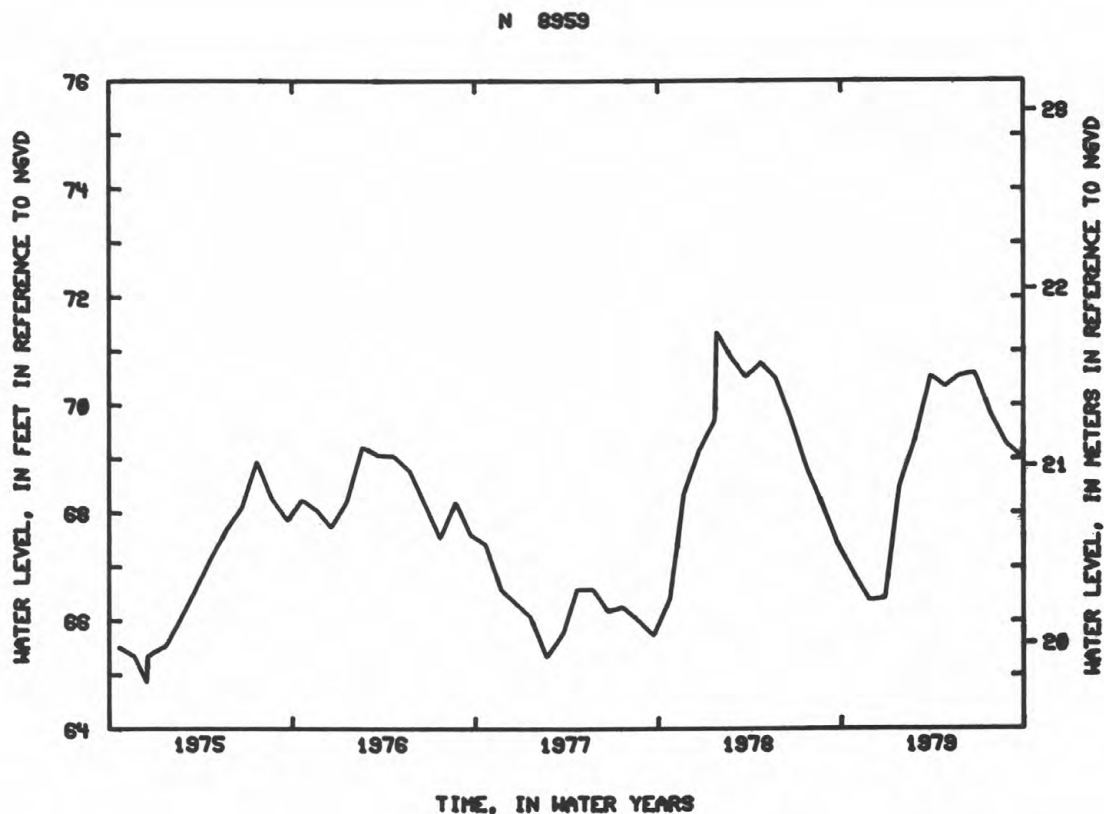
DATUM.--Land-surface datum is 100.3 ft (30.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of reducer, 2.87 ft (0.87 m) above land-surface datum.

PERIOD OF RECORD.--October 1975 to current year. Unpublished records for December 1972 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water-level measured, 71.35 ft (21.75 m) NGVD, Jan. 27, 1978; lowest measured, 64.87 ft (19.77 m) NGVD, Dec. 16, 1974.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	66.87	DEC 28	66.42	FEB 26	69.31	APR 26	70.33	JUN 25	70.59	AUG 27	69.27
NOV 27	66.38	JAN 26	68.49	MAR 28	70.54	MAY 25	70.54	JUL 26	69.82	SEP 26	69.03



GROUND-WATER LEVELS  
NASSAU COUNTY--continued

141

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

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	21.51	DEC 18	21.28	MAR 5	24.99 G	APR 25	22.39	JUN 21	22.93	AUG 27	22.32
NOV 24	21.34	JAN 29	21.11	19	21.75	MAY 21	22.77	JUL 23	23.03	SEP 24	22.13
DEC 7	21.01 G	FEB 28	21.49								

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

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	11.84	DEC 7	11.49 G	JAN 29	12.56	MAR 19	14.34	APR 25	14.98	JUL 23	14.07
25	11.80	18	11.69	FEB 28	13.45	21	14.55	MAY 21	14.93	AUG 27	13.56
NOV 21	11.56	27	11.60	MAR 5	12.78 G	APR 19	14.99	JUN 21	14.98	SEP 24	13.56
24	11.53										

QUEENS COUNTY

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

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	-3.68	DEC 21	-3.82	JAN 18	-5.01	MAR 12	-5.31	JUN 21	-9.03	SEP 18	-16.34

G MEASUREMENT BY ANOTHER AGENCY

GROUND-WATER LEVELS  
QUEENS COUNTY--continued

40441807344101. Local number, Q 577.

LOCATION.--Lat 40°44'18", long 73°43'41", Hydrologic Unit 02030201, at Creedmoor State Hospital, near the intersection of Hillside Avenue and Cross Island Parkway, Bellrose. Owner: State of New York.

AQUIFER.--Lloyd.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 12 in (0.30 m), depth 644 ft (196 m), screen assumed at bottom.

DATUM.--Land-surface datum is 113.1 ft (34.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.45 ft (0.44 m) above land-surface datum.

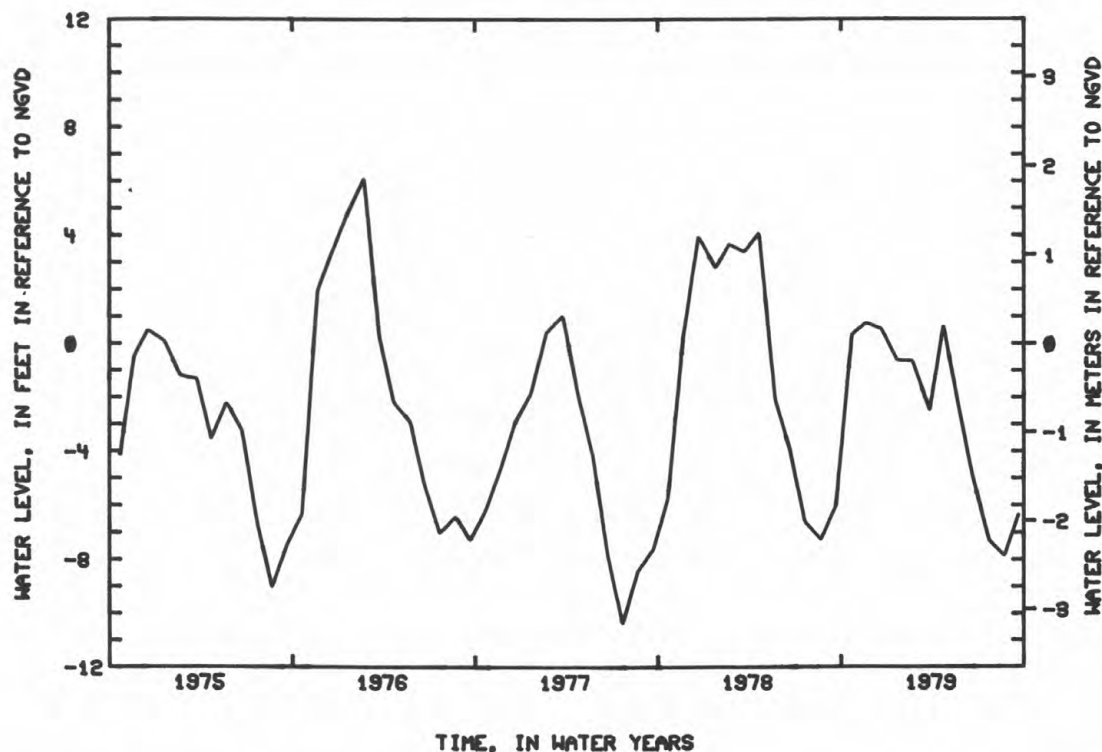
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for February 1946 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.65 ft (2.94 m) NGVD, Mar. 13, 1959; lowest measured, -19.74 ft (-6.02 m) NGVD, Jul. 27, 1954.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	0.33	DEC 21	0.52	FEB 22	-0.65	APR 23	0.65	JUN 19	-4.84	AUG 23	-7.88
NOV 21	0.76	JAN 22	-0.63	MAR 26	-2.51	MAY 21	-2.18	JUL 23	-7.31	SEP 21	-6.34

Q 577



404157073480102. Local number, Q 1252.

LOCATION.--Lat 40°41'57", long 73°48'01", Hydrologic Unit 02030202, at Liberty Avenue and 157th Street, Jamaica. Owner: U.S. Geological Survey.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Driven observation water-table well, diameter 1.25 in (0.03 m), depth 60 ft (18 m), screened 58 to 60 ft (17.7 to 18.3 m).

DATUM.--Land-surface datum is 31.2 ft (9.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.31 ft (0.09 m) above land-surface datum.

PERIOD OF RECORD.--October 1940 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.92 ft (4.24 m) NGVD, Nov. 2, 1948; lowest measured, -2.81 ft (-0.86 m) NGVD, Feb. 9, 1971.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	1.01	DEC 21	-2.11	MAR 12	-0.88	JUN 21	0.90	SEP 17	1.11		



GROUND-WATER LEVELS  
QUEENS COUNTY--continued

143

404113073501101. Local number, Q 1254.

LOCATION.--Lat 40°41'13", long 73°50'11", Hydrologic Unit 02030202, at 108th Street and 101st Avenue, Woodhaven.

Owner: New York City.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Driven observation water-table well, diameter 1.5 in (0.04 m), depth 65 ft (20 m), screened 63 to 65 ft (19 to 20 m).

DATUM.--Land-surface datum is 56.0 ft (17.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 10.46 ft (3.19 m) below land-surface datum.

PERIOD OF RECORD.--October 1975 to current year. Unpublished records for October 1940 to December 1954, January

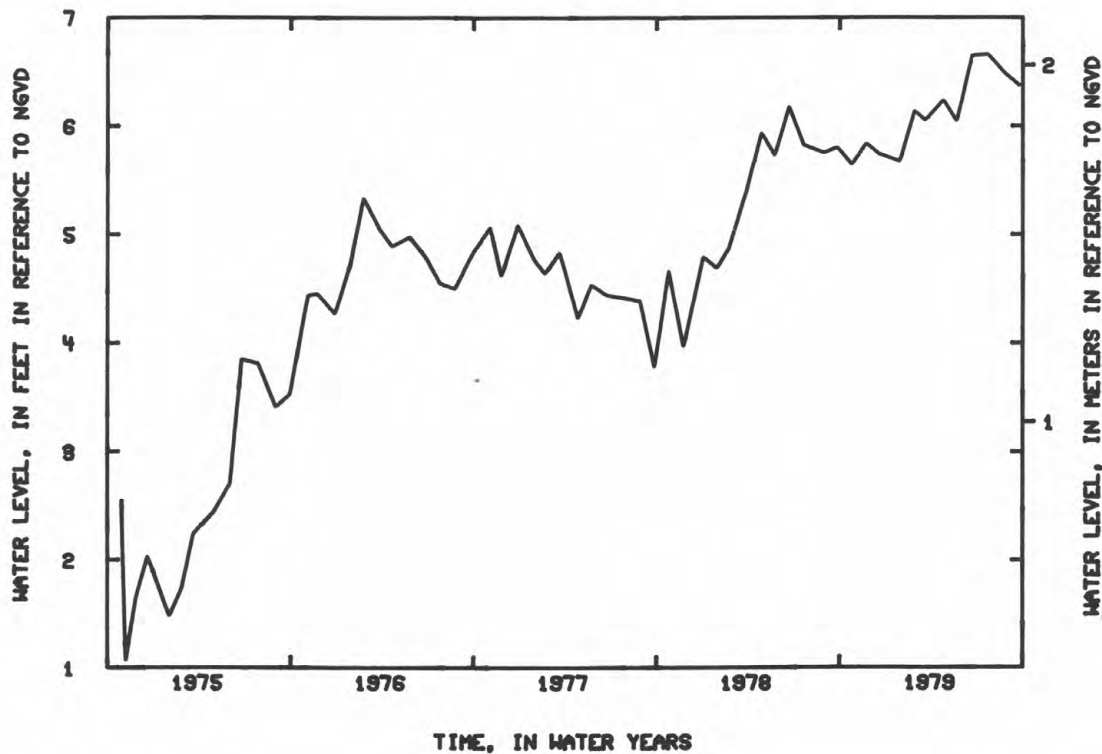
1956 to December 1957, March 1959 to September 1975, are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.66 ft (1.89 m) NGVD, July 23, 1979; lowest measured, -11.29 ft (3.44 m) NGVD, Sept. 2, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	5.64	DEC 18	5.74	FEB 28	6.14	APR 25	6.24	JUN 21	6.65	AUG 27	6.48
NOV 24	5.84	JAN 29	5.67	MAR 19	6.05	MAY 21	6.04	JUL 23	6.66	SEP 25	6.37

Q 1254



GROUND-WATER LEVELS  
QUEENS COUNTY--continued

404656073503701. Local number, Q 1373.

LOCATION.--Lat 40°46'56", long 73°50'37", Hydrologic Unit 02030201, at 127th Street and 20th Avenue, College Point.

Owner: Modulaire Components Corporation.

AQUIFER.--Lloyd.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in (0.15 m), depth 262 ft (80 m), screened 194 to 206 ft (59 to 63 m).

DATUM.--Land-surface datum is 50.3 ft (15.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder shelf, 1.06 ft (0.32 m) below land-surface datum.

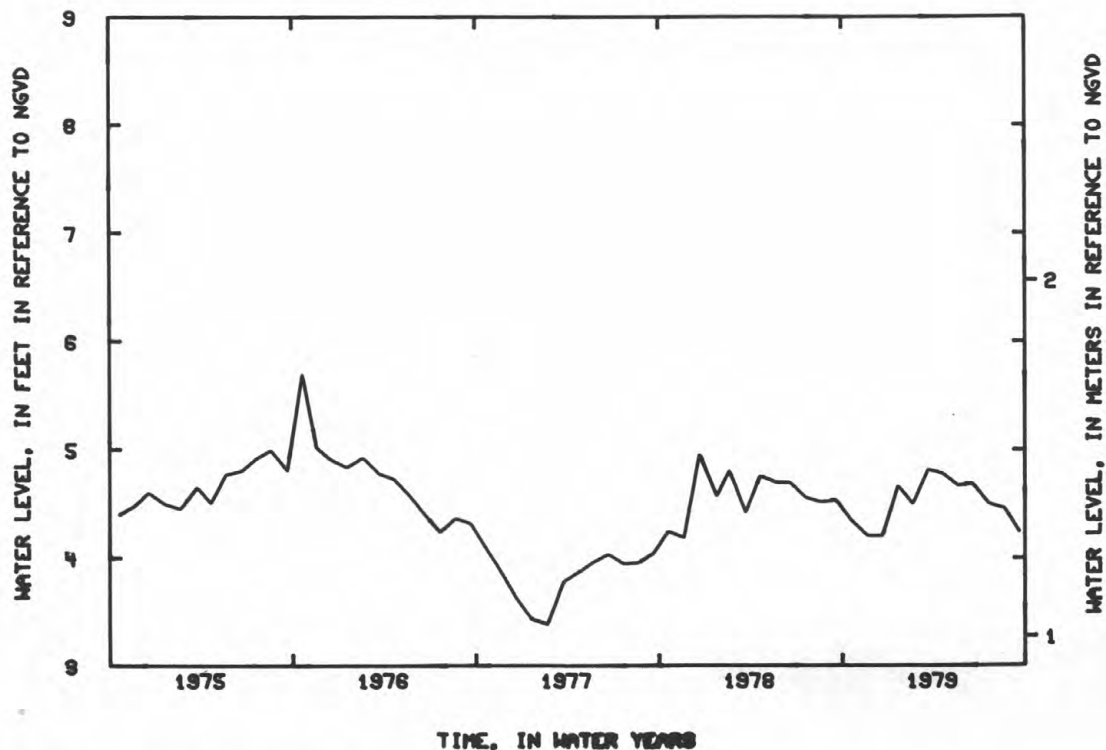
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for 1947-48, 1950, 1952-53, 1962, 1968-73, are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.12 ft (1.87 m) NGVD, Jan. 10, 1973; lowest measured, -2.80 ft (-0.85 m) NGVD, Feb. 7, 1962.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	4.35	DEC 21	4.21	FEB 21	4.50	APR 20	4.78	JUN 18	4.69	AUG 21	4.46
NOV 21	4.21	JAN 22	4.67	MAR 22	4.82	MAY 20	4.67	JUL 21	4.50	SEP 20	4.24

**Q 1978**



403957073495002. Local number, Q 2324.

LOCATION.--Lat 40°39'57", long 73°49'50", Hydrologic Unit 02030202, at North Conduit Avenue and 114th Street, South Ozone Park. Owner: New York Racing Association, Inc.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Driven observation water-table well, diameter 2.5 in (0.06 m), depth 91 ft (28 m), screen assumed at bottom.

DATUM.--Land-surface datum is 22.0 ft (6.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, .04 ft (0.01 m) above land-surface datum.

REMARKS.--Water-quality records for 1970 are available in files of Long Island Sub-district office.

PERIOD OF RECORD.--March 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.45 ft (1.05 m) NGVD, Mar. 12, 1979; lowest -3.40 ft (-1.04 m) NGVD, May 25, 1959.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	3.44	DEC 21	2.36	MAR 12	3.45	JUN 21	3.17	SEP 17	2.88		

GROUND-WATER LEVELS  
QUEENS COUNTY--continued

145

404451073475002. Local number, Q 2346.

LOCATION.--Lat 40°44'51", long 73°47'50", Hydrologic Unit 02030201, at Underhill Avenue and Fresh Meadow Lane, Flushing. Owner: New York City.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Driven observation well, diameter 1.25 in (0.03 m), depth 17.0 ft (5.2 m), screen assumed at bottom.

DATUM.--Land-surface datum is 29.0 ft (8.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.98 ft (0.30 m) above land-surface datum.

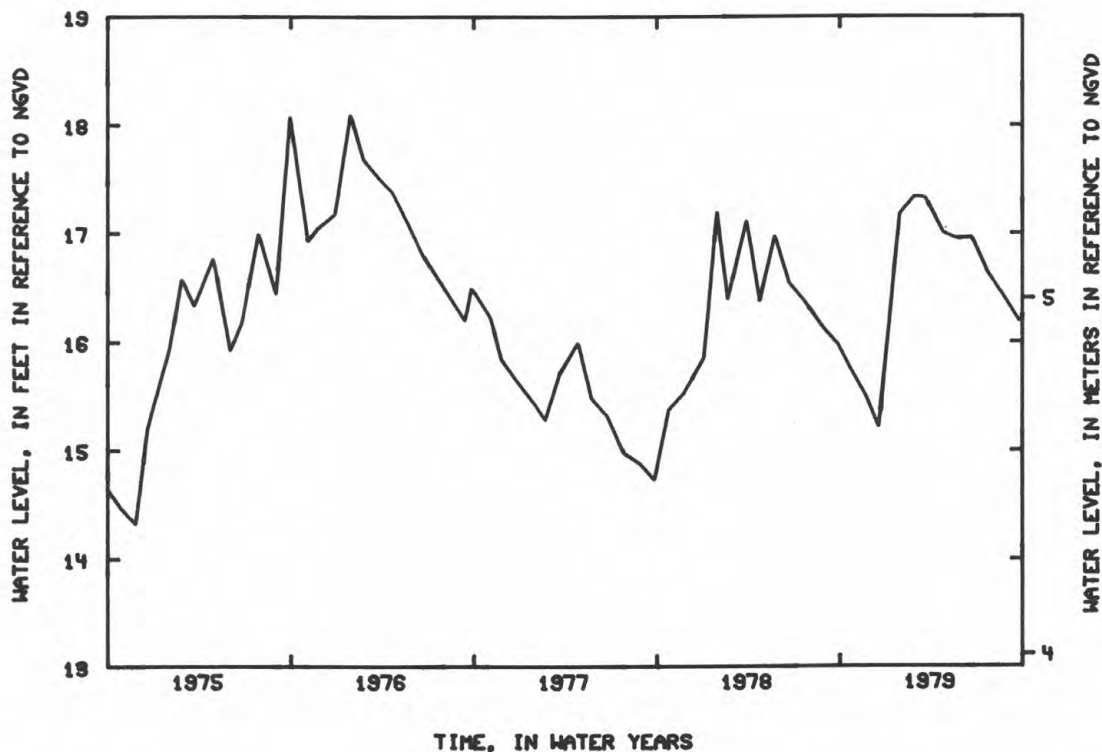
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for August 1960 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.99 ft (6.70 m) NGVD, Apr. 26, 1961; lowest measured, 13.96 ft (4.26 m) NGVD, Nov. 4, 1970.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	15.73	DEC 18	15.21	FEB 28	17.34	APR 25	17.00	JUN 21	16.96	AUG 27	16.40
NOV 24	15.49	JAN 29	17.18	MAR 19	17.33	MAY 21	16.95	JUL 23	16.63	SEP 25	16.19

Q 2346



## GROUND-WATER LEVELS

## QUEENS COUNTY--continued

404025073463801. Local number, Q 2422.

LOCATION.--Lat 40°40'25", long 73°46'38", Hydrologic Unit 02030202, at New York Boulevard and 132nd Avenue, Jamaica.

Owner: Jamaica Water Supply Company.

AQUIFER.--Magothy.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 8 in (0.20 m) depth 370 ft (113 m), screened 342 to 362 ft (104 to 110 m).

DATUM.--Land-surface datum is 21.0 ft (6.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of nipple, 1.21 ft (0.37 m) above land-surface datum.

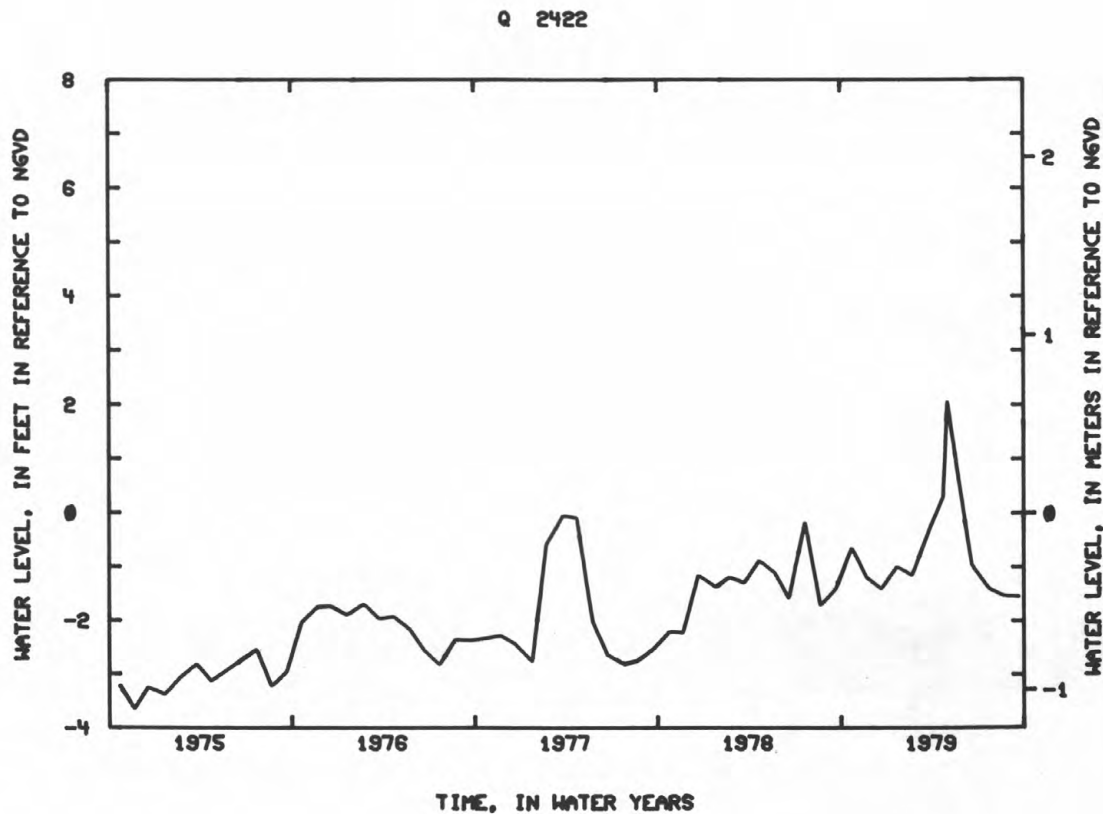
REMARKS.--Water-quality records for 1970 are available in files of Long Island Sub-district office.

PERIOD OF RECORD.--October 1975 to current year. Unpublished records for 1964-75 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.06 ft (0.63 m) NGVD, May. 1, 1979; lowest measured, -5.65 ft (-1.72 m) NGVD, Sep. 7, 1970.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	-0.64	JAN 22	-0.99	MAR 26	-0.30	MAY 1	2.06	JUN 19	-0.97	AUG 22	-1.54
NOV 22	-1.20	FEB 22	-1.16	APR 23	0.29	21	0.78	JUL 23	-1.41	SEP 21	-1.55
DEC 21	-1.41										



## SUFFOLK COUNTY

404213073204001. Local number, S 1803.

LOCATION.--Lat 40°42'13", long 73°20'40", Hydrologic Unit 02030202, at Little East Neck Road and State Highway 109, Babylon. Owner: New York State Department of Transportation.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Driven observation water-table well, diameter 1.25 in (0.03 m), depth 19 ft (6 m), screened 16 to 19 ft (5 to 6 m).

DATUM.--Land-surface datum is 23.7 ft (7.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.08 ft (0.02 m) above land-surface datum.

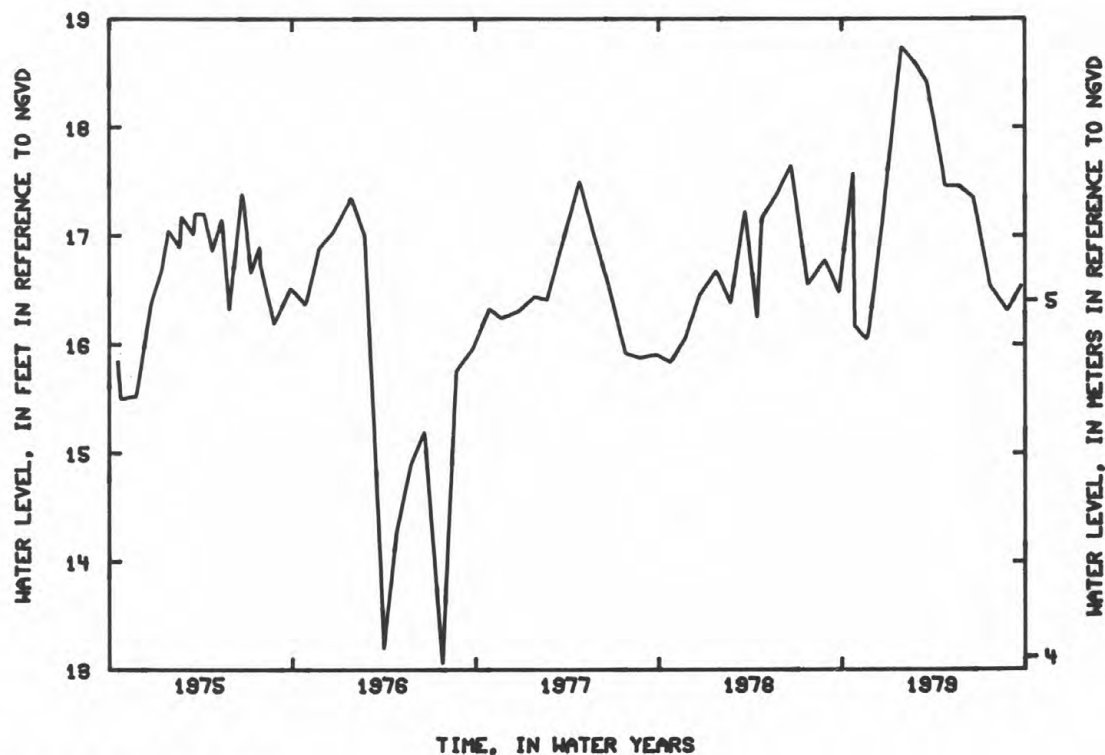
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for October 1912 to November 1914, August and September 1932, June 1936 to September 1975, are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.74 ft (5.71 m) NGVD, Jan. 29, 1979; lowest measured, 13.06 ft (3.98 m) NGVD, July 26, 1976.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	17.58	NOV 24	16.10	JAN 29	18.74	MAR 21	18.35 G	MAY 21	17.46	AUG 27	16.31
27	16.17 G	DEC 18	17.01	FEB 27	18.58	APR 17	17.68 G	JUN 20	17.35	SEP 24	16.54
NOV 20	16.05 C	21	17.13 G	MAR 19	18.41	24	17.46	JUL 23	16.54		

S 1803 1



G MEASUREMENT BY ANOTHER AGENCY

## SUFFOLK COUNTY--Continued

404301073240904. Local number, S 1805-4.

LOCATION.--Lat 40°43'01", long 73°24'09", Hydrologic Unit 02030202, at State Highway 109 and Albany Road, Maywood.  
Owner: New York State Department of Transportation.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Driven observation water-table well, diameter 2 in (0.05 m), depth 33 ft (10 m), screen assumed at bottom.

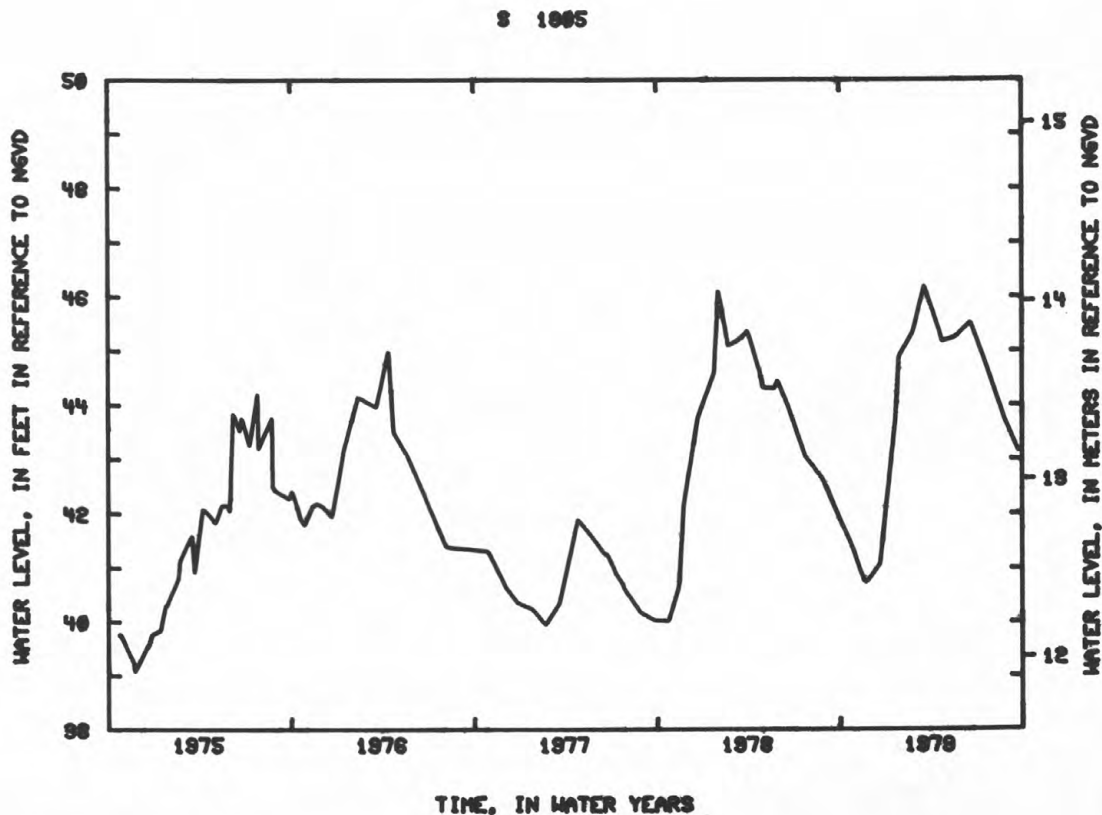
DATUM.--Land-surface datum is 58.2 ft (17.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.22 ft (1.06 m) above land-surface datum.

PERIOD OF RECORD.--October 1975 to current year. Unpublished records for October 1912 to November 1914, February 1932 to September 1975, are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 46.19 ft (14.08 m) NGVD, Mar. 19, 1979; lowest measured, 35.79 ft (10.91 m) NGVD, Dec. 28, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	41.44	DEC 18	41.04	JAN 29	44.88	APR 18	45.37 G	JUN 20	45.52	AUG 27	43.73
NOV 20	40.75 G	21	41.08 G	FEB 27	45.34	24	45.16	JUL 23	44.67	SEP 24	43.14
24	40.73	JAN 22	43.72 G	MAR 19	46.19	MAY 21	45.25				



G MEASUREMENT BY ANOTHER AGENCY



## SUFFOLK COUNTY--continued

404442073240501. Local number, S 1806.

LOCATION.--Lat 40°44'42", long 73°24'05", Hydrologic Unit 02030202, at Conklin Street and Wellwood Avenue, Pinelawn.

Owner: Suffolk County Department of Public Works.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Driven observation water-table well, diameter 1.25 in (0.03 m), depth 44 ft (13 m), screened 41 to 44 ft (12 to 13 m).

DATUM.--Land-surface datum is 85.7 ft (26.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.19 ft (0.06 m) below land-surface datum.

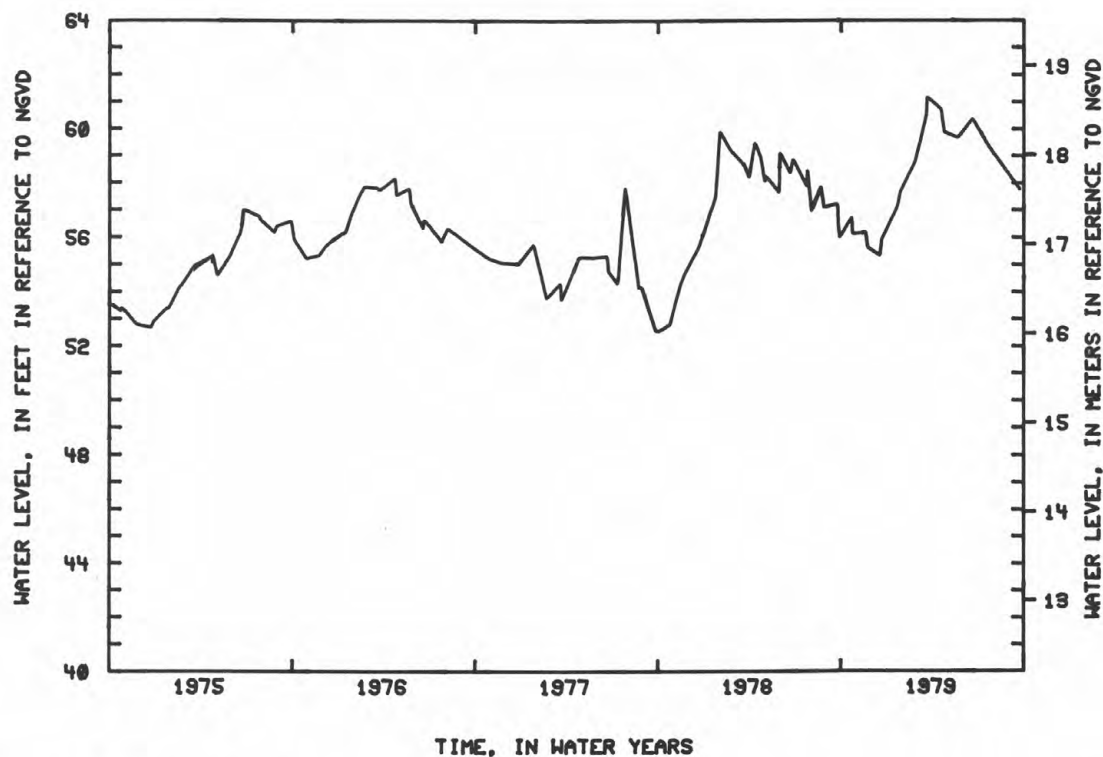
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for October 1912 to November 1914, May 1932 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 61.68 ft (18.80 m) NGVD, Apr. 29, 1939; lowest measured, 46.97 ft (14.32 m) NGVD, Jan. 25, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	56.75 G	NOV 24	55.62	JAN 22	57.12 G	MAR 19	60.51	APR 24	59.86	JUL 23	59.31
24	56.11	DEC 18	55.31	29	57.72	20	61.18 G	MAY 21	59.66	AUG 27	58.44
NOV 20	56.19 G	21	55.92 G	FEB 27	58.77	APR 18	60.70 G	JUN 20	60.37	SEP 24	57.74

S 1806



G MEASUREMENT BY ANOTHER AGENCY

## GROUND-WATER LEVELS

## SUFFOLK COUNTY--continued

404319073184605. Local number, S 1807-5.

LOCATION.--Lat 40°43'19", long 73°18'46", Hydrologic Unit 02030202, at Higbie Lane and Martin Drive, West Islip.

Owner: Town of Islip.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Driven observation water-table well, diameter 1.25 in (0.03 m), depth 21 ft (6 m), screen assumed at bottom.

DATUM.--Land-surface datum is 23.0 ft (7.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.21 ft (0.06 m) above land-surface datum.

REMARKS.--Water-quality records for 1972-73 are available in files of Long Island Sub-district office.

PERIOD OF RECORD.--October 1975 to current year. Unpublished records for October 1912 to November 1914, August 1932

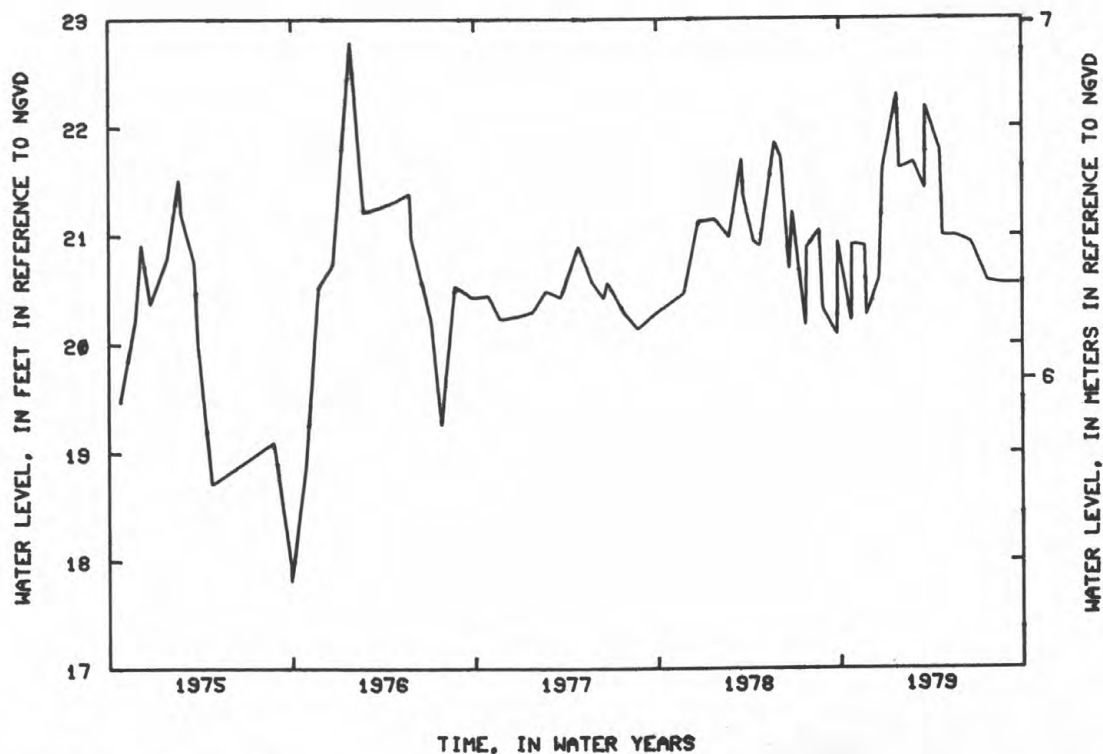
June 1933, June 1936 to September 1975, are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.06 ft (7.03 m) NGVD, Sept. 30, 1938; lowest measured, 17.27 ft (5.26 m) NGVD, July 23, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	20.21	NOV 24	20.26	JAN 24	22.30 G	MAR 19	21.42	APR 24	20.99	JUL 23	20.57
25	20.92 G	DEC 18	20.59	29	21.61	20	22.19 G	MAY 21	20.99	AUG 27	20.55
NOV 21	20.90 G	26	21.61 G	FEB 27	21.67	APR 19	21.77 G	JUN 20	20.93	SEP 24	20.55

S 1807



G MEASUREMENT BY ANOTHER AGENCY

## SUFFOLK COUNTY--continued

404221073164805. Local number, S 1808-5.

LOCATION.--Lat 40°42'21", long 73°16'48", Hydrologic Unit 02030202, at Manor and Bardolier Lanes, West Islip.

Owner: Town of Islip.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Driven observation water-table well, diameter 1.25 in (0.03 m), depth 11 ft (3 m), screen assumed at bottom.

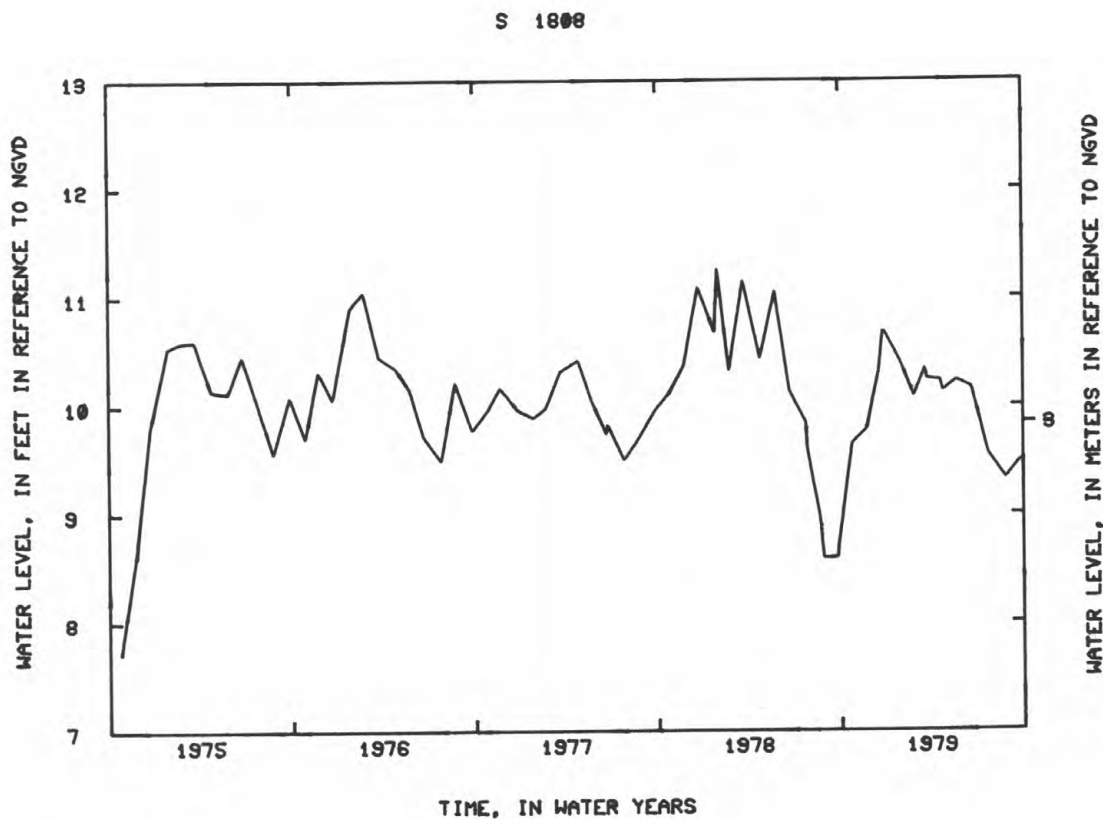
DATUM.--Land-surface datum is 13.0 ft (4.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.32 ft (0.10 m) above land-surface datum.

PERIOD OF RECORD.--October 1975 to current year. Unpublished records for October 1912 to November 1914, August 1932 to September 1975, are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.29 ft (3.75 m) NGVD, Feb. 23, 1949; lowest measured, 6.08 ft (1.85 m) NGVD, Aug. 27, 1974.

## WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	9.62	DEC 18	10.32	JAN 29	10.41	MAR 23	10.24 G	MAY 21	10.23	AUG 27	9.32
25	9.65 G	26	10.68 G	FEB 27	10.08	APR 19	10.23 G	JUN 20	10.16	SEP 24	9.48
NOV 24	9.78	29	10.68 G	MAR 19	10.34	24	10.13	JUL 23	9.55		



G MEASUREMENT BY ANOTHER AGENCY

GROUND-WATER LEVELS  
SUFFOLK COUNTY--continued

404351073164903. Local number, S 1809-3.

LOCATION.--Lat 40°43'51", long 73°16'49", Hydrologic Unit 02030202, at Manor Lane and Muncey Road, Bay Shore.

Owner: Town of Islip.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Driven observation water-table well, diameter 1.2 in (0.03 m), depth 29 ft (9 m), screened 26 to 29 ft (8 to 9 m).

DATUM.--Land-surface datum is 42.0 ft (12.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.40 ft (0.12 m) above land-surface datum.

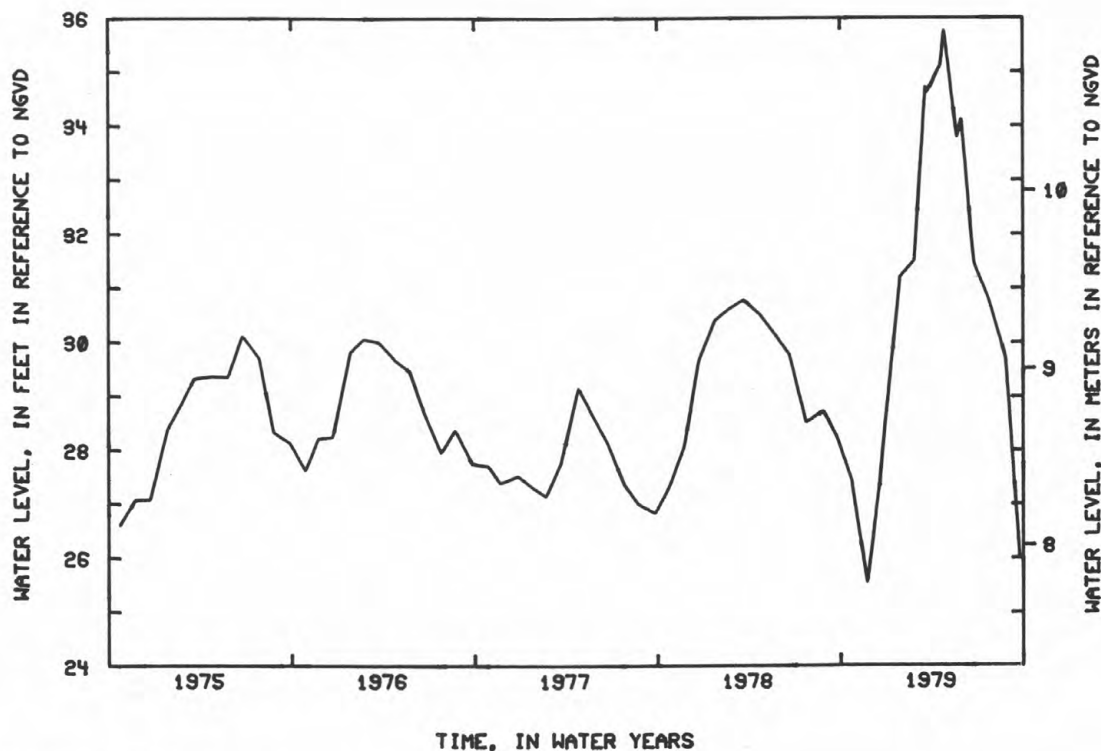
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for October 1912 to November 1914, August 1932 to September 1975, are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 35.77 ft (10.90 m) NGVD, Apr. 26, 1979; lowest measured, 25.00 ft (7.62 m) NGVD, Nov. 2, 1932.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	27.42	DEC 29	28.43 G	MAR 19	34.72	APR 24	35.60	MAY 30	34.13	JUL 23	30.80
25	27.29 G	JAN 25	30.83 G	21	34.59 G	26	35.77	JUN 20	31.88	AUG 27	29.70
NOV 24	25.54	29	31.20	APR 19	35.13 G	MAY 21	33.77	25	31.44 G	SEP 24	26.00
DEC 18	27.38	FEB 27	31.50								

S 1809



G MEASUREMENT BY ANOTHER AGENCY

GROUND-WATER LEVELS  
SUFFOLK COUNTY--continued

153

404614073164403. Local number, S 1810-3.

LOCATION.--Lat 40°46'14", long 73°16'44", Hydrologic Unit 02030202, at Gardiner and Pine Aire Drives, Pine Aire.

Owner: U.S. Geological Survey.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Augered observation water-table well, diameter 2 in (0.05 m), depth 55 ft (17 m), screened 52 to 55 ft (16 to 17 m).

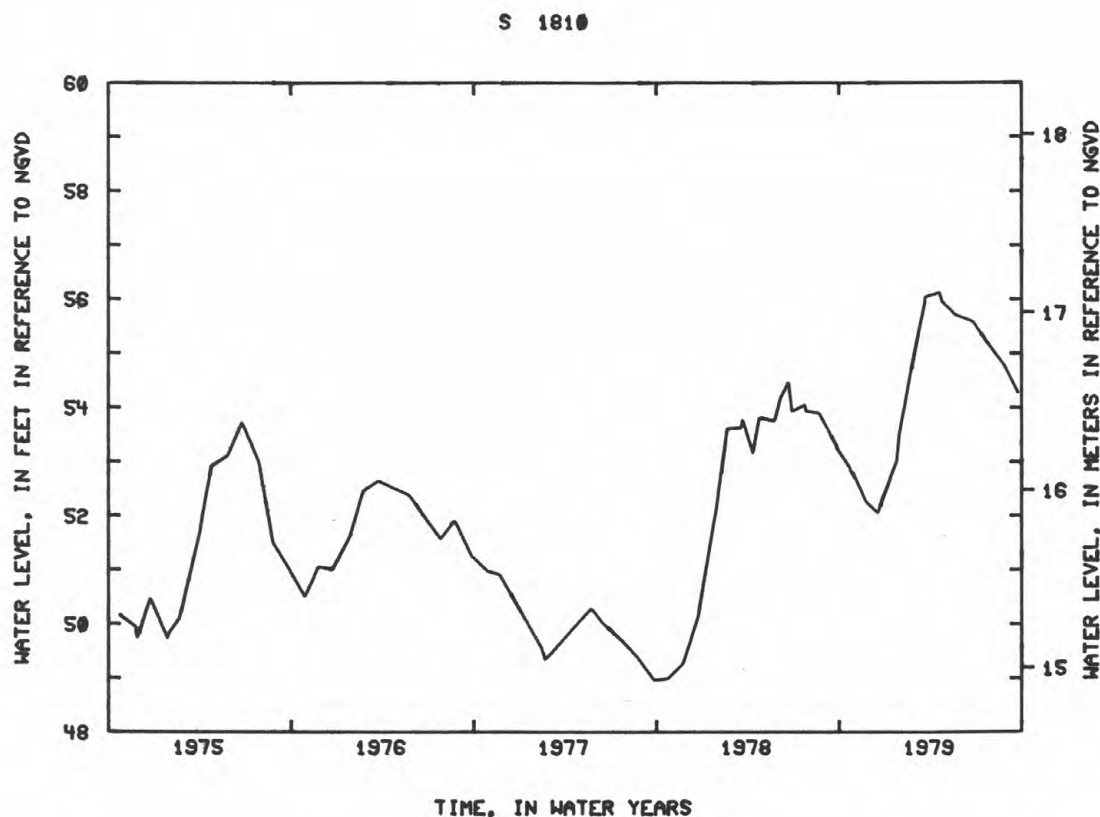
DATUM.--Land-surface datum is 90.8 ft (27.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.15 ft (0.05 m) below land-surface datum.

PERIOD OF RECORD.--October 1912 to November 1914, August 1932 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 56.19 ft (17.13 m) NGVD, Apr. 29, 1939; lowest measured, 41.10 ft (12.53 m) NGVD, Nov. 27, 1945.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	52.87	DEC 18	52.05	JAN 29	53.45	MAR 22	56.05 G	MAY 21	55.70	JUL 23	55.20
25	52.35 G	22	52.18 G	FEB 27	54.87	APR 19	56.12 G	JUN 20	55.60	AUG 27	54.77
28	52.83 G	JAN 25	53.03 G	MAR 19	55.89	24	55.95	25	55.58 G	SEP 24	54.27
NOV 24	52.27										



G MEASUREMENT BY ANOTHER AGENCY

GROUND-WATER LEVELS  
SUFFOLK COUNTY--continued

404957073401. Local number, S 1811.

LOCATION.--Lat 40°49'57", long 73°07'34", Hydrologic Unit 02030202, at Shore Road, Lake Ronkonkoma. Owner: U.S. Geological Survey.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2 in (0.05 m), depth 21.5 ft (7. m), screen assumed at bottom.

DATUM.--Land-surface datum is 58.15 ft (17.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.08 ft (0.33 m) above land-surface datum.

REMARKS.--Water-quality records for 1979 are published elsewhere in this report.

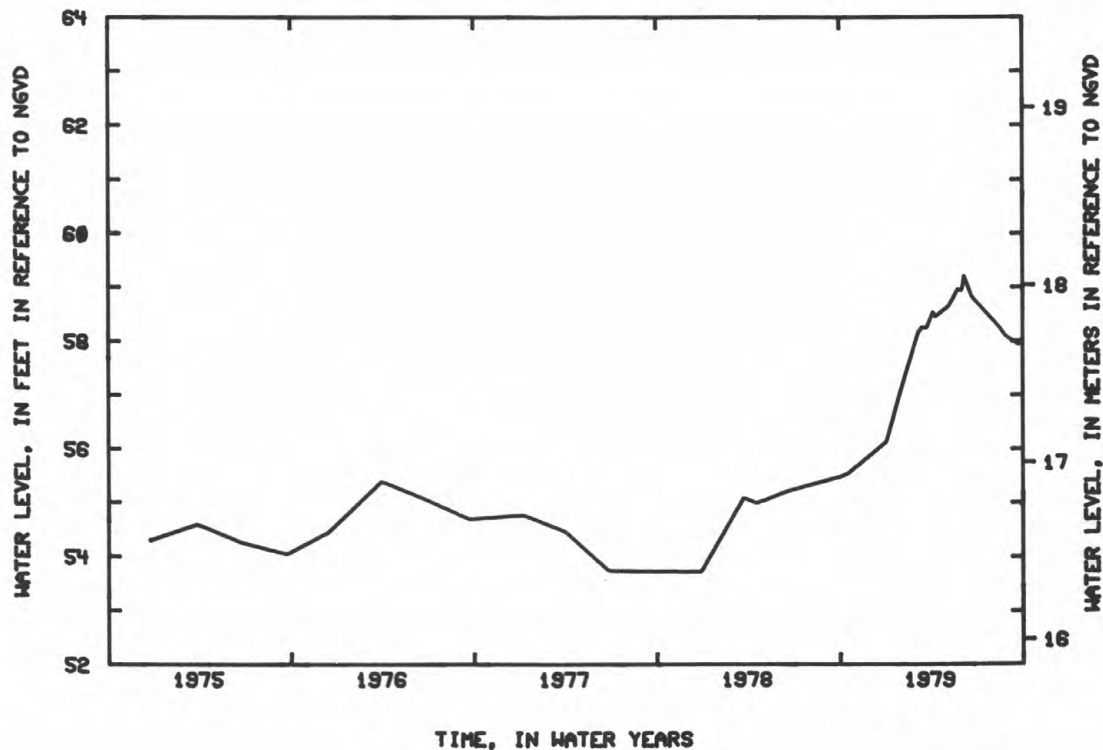
PERIOD OF RECORD.--October 1978 to current year. Unpublished records for April 1937 to September 1978 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 59.21 ft (18.05 m) NGVD, June 6, 1979, lowest measured, 50.63 ft (15.43 m) NGVD, December 28, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 2	55.48	MAR 7	58.18	MAR 23	58.23	MAY 7	58.65	JUN 5	59.08	AUG 16	58.24
16	55.53	8	58.16	APR 6	58.54	25	58.96	6	59.21	28	58.08
JAN 3	56.13	15	58.26	10	58.44	31	58.92	22	58.81	SEP 24	57.92
FEB 1	57.07										

S 1811





## SUFFOLK COUNTY--continued

404959073084902. Local number, S 1812-2.

LOCATION.--Lat 40°49'59", long 73°08'49", Hydrologic Unit 02030202, at Smithtown Boulevard and Nichols Road, Ronkonkoma. Owner: U.S. Geological Survey.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Driven observation water-table well, diameter 1.25 in (0.03 m), depth 44 ft (13 m), screen assumed at bottom.

DATUM.--Land-surface datum is 69.9 ft (21.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.49 ft (0.15 m) below land-surface datum.

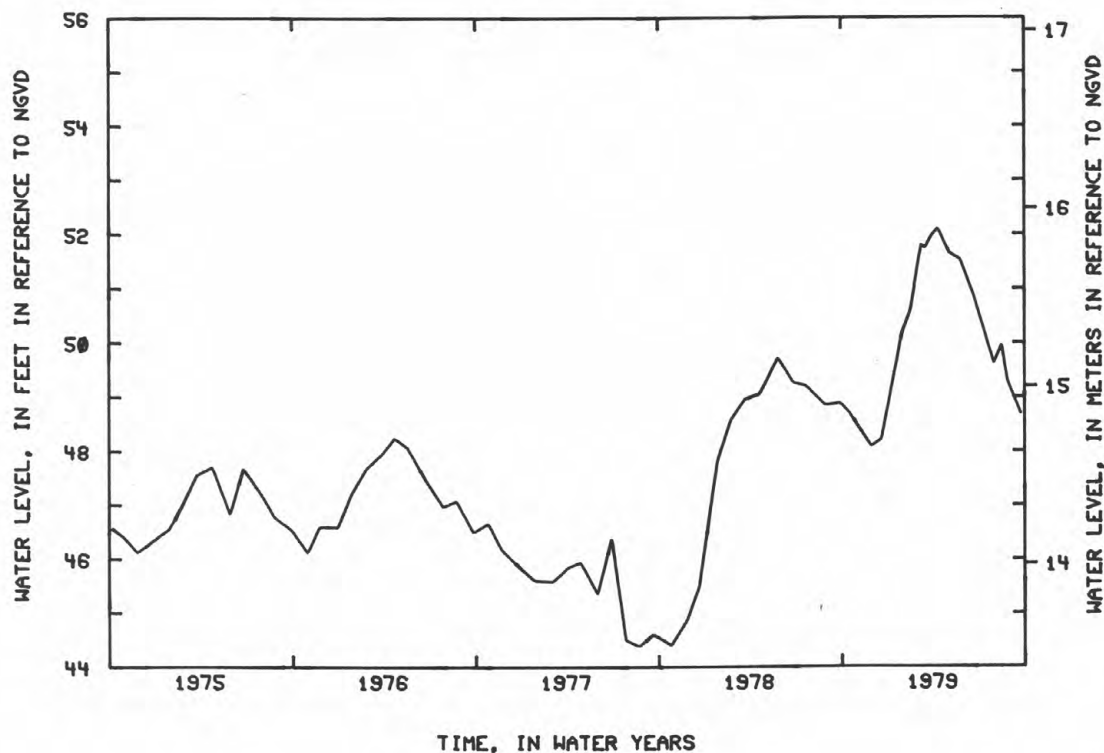
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for April 1937 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 52.10 ft (15.88 m) NGVD, Apr. 10, 1979; lowest measured, 40.09 ft (12.22 m) NGVD, Feb. 27, 1967.

## WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	48.70	JAN 30	50.18	MAR 8	51.80	APR 10	52.10	JUN 21	50.86	AUG 28	49.28
NOV 29	48.08	FEB 17	50.60	15	51.73	MAY 2	51.64	JUL 31	49.61	SEP 24	48.68
DEC 19	48.21	28	51.28	28	51.97	25	51.52	AUG 16	49.96		

S 1812



## GROUND-WATER LEVELS

SUFFOLK COUNTY--continued

40514607031801. Local number, S 3513.

LOCATION.--Lat 40°51'46", long 73°03'18", Hydrologic Unit 02030202, at State Highway 25 and High View Drive, Selden.

Owner: New York Department of Transportation.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 8 in (0.20 m), depth 65 ft (20 m), screened 63 to 65 ft (19 to 20 m).

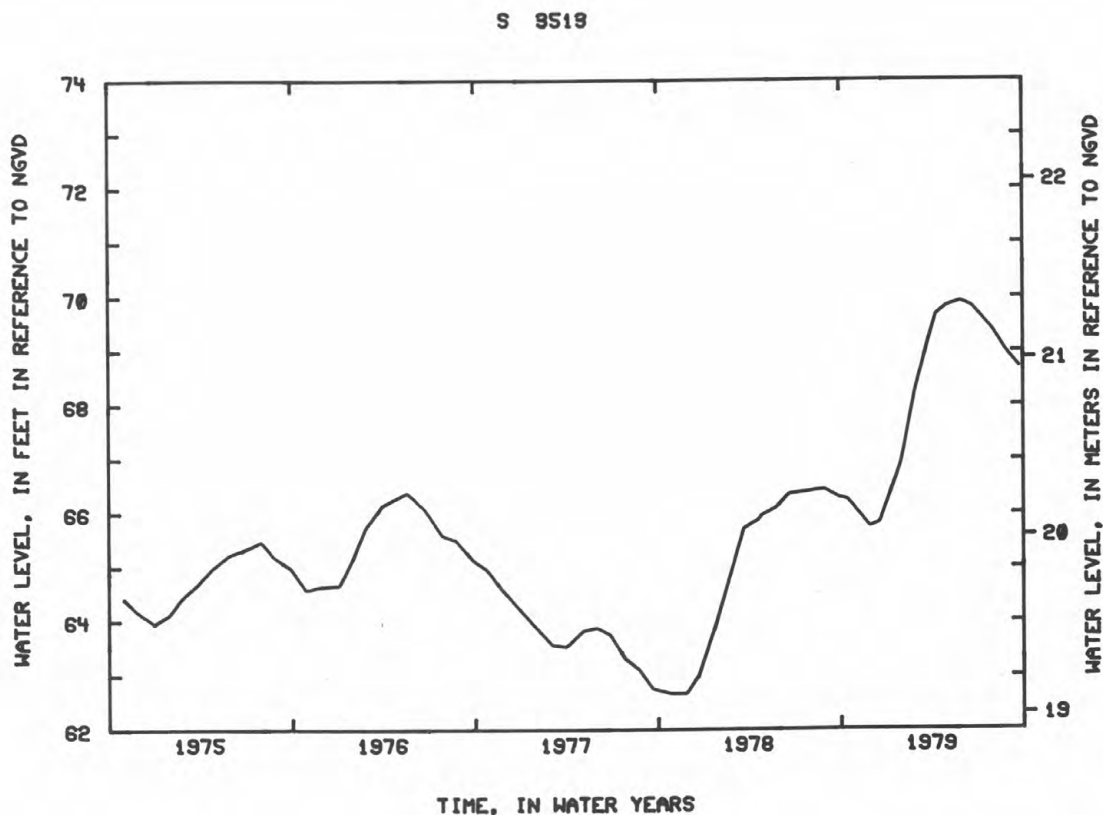
DATUM.--Land-surface datum is 101.0 ft (30.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of reducer, 1.31 ft (0.40 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 69.91 ft (21.31 m) NGVD, May. 29, 1979; lowest measured, 56.06 ft (17.09 m) NGVD, Mar. 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	66.24	JAN 30	66.91	MAR 27	69.26	MAY 2	69.83	JUN 21	69.81	AUG 28	68.98
NOV 29	65.74	FEB 28	68.24	APR 10	69.67	MAY 29	69.91	AUG 1	69.38	SEP 24	68.69
DEC 18	65.82										



## SUFFOLK COUNTY--continued

405031073181201. Local number, S 3514.

LOCATION.--Lat 40°50'31", long 73°18'12", Hydrologic Unit 02030202, at State Highway 25 and Wilshire Drive, Commack.  
Owner: Heatherwood Shopping Center.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Dug observation water-table well, diameter 30 in (0.76 m), depth 98 ft (30 m), screen assumed at bottom.

DATUM.--Land-surface datum is 153.6 ft (46.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in (0.05 m) coupling, 0.18 ft (0.05 m) below land-surface datum.

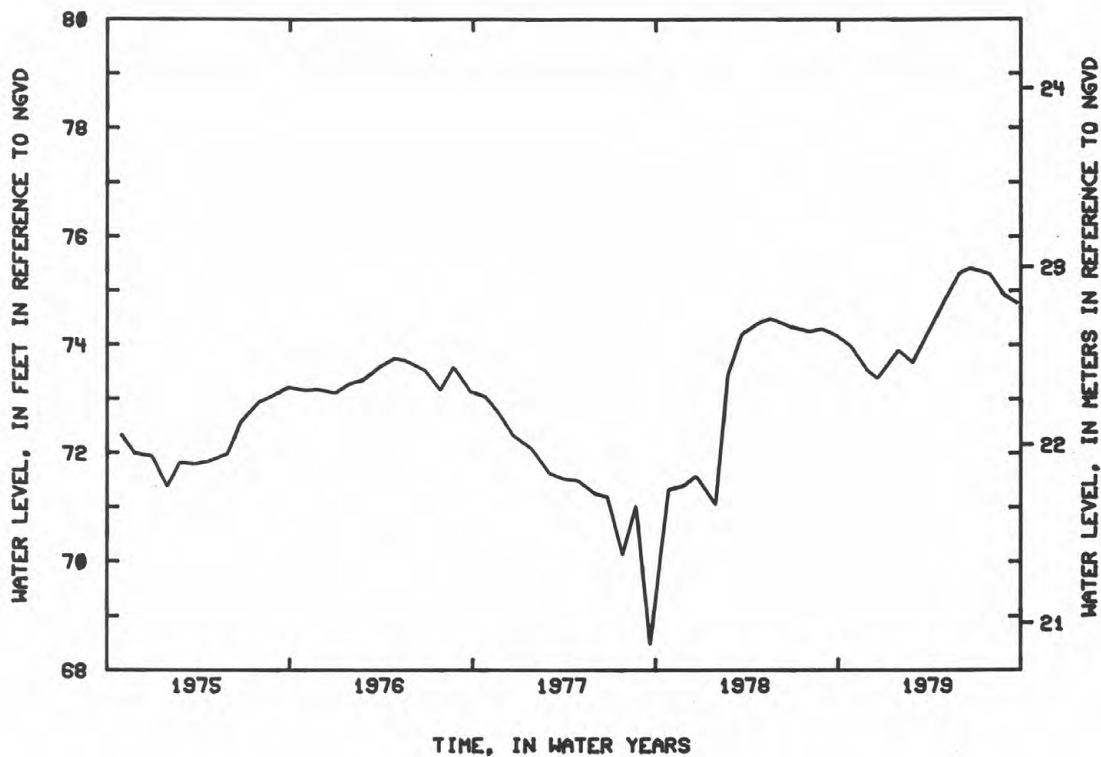
PERIOD OF RECORD.--May 1942 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 75.41 ft (22.98 m) NGVD, June 21, 1979; lowest measured, 64.23 ft (19.58 m) NGVD, Mar. 18, 26, 1951.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	73.97	DEC 19	73.38	MAR 28	74.22	MAY 30	75.31	JUL 31	75.29	SEP 24	74.76
NOV 29	73.52	JAN 30	73.90	MAY 2	74.84	JUN 21	75.41	AUG 28	74.91	29	74.66
DEC 18	73.38	FEB 28	73.67								

S 9514



GROUND-WATER LEVELS  
SUFFOLK COUNTY--continued

404812073004101. Local number, S 3521.

LOCATION.--Lat 40°48'12", long 73°00'41", Hydrologic Unit 02030202, at Medford Avenue, near Cedar Avenue, Medford.

Owner: Town of Brookhaven.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Driven observation water-table well, diameter 2 in (0.05 m), depth 50 ft (15 m), screen assumed at bottom.

DATUM.--Land-surface datum is 72.0 ft (21.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.57 ft (0.17 m) above land-surface datum.

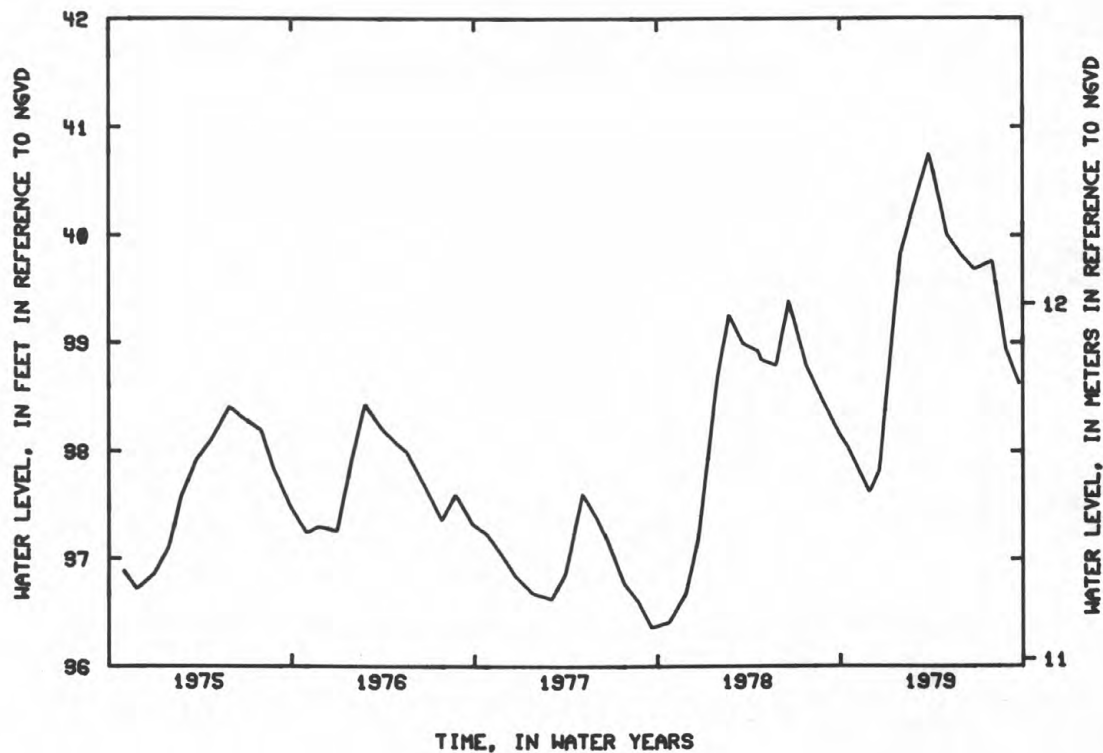
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for January 1907 to July 1909, April 1942 to September 1975, are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 40.75 ft (12.42 m) NGVD, Mar. 27, 1979; lowest measured, 34.38 ft (10.48 m) NGVD, Oct. 26, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	38.03	JAN 30	39.81	MAR 27	40.75	MAY 2	40.00	JUN 26	39.68	AUG 28	38.94
NOV 29	37.62	FEB 28	40.29	APR 17	40.33	MAY 29	39.82	AUG 1	39.76	SEP 24	38.62
DEC 18	37.82										

S 3521



## SUFFOLK COUNTY--continued

405037072390301. Local number, S 3543.

LOCATION.--Lat 40°50'37", long 72°39'03", Hydrologic Unit 02030202, at Old Riverhead Road and main entrance to Suffolk County Airport, Westhampton. Owner: City of New York.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Driven observation water-table well, diameter 2 in (0.05 m), depth 58 ft (18 m), screened 56 to 58 ft (17 to 18 m).

DATUM.--Land-surface datum is 64.4 ft (19.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.04 ft (0.01 m) above land-surface datum.

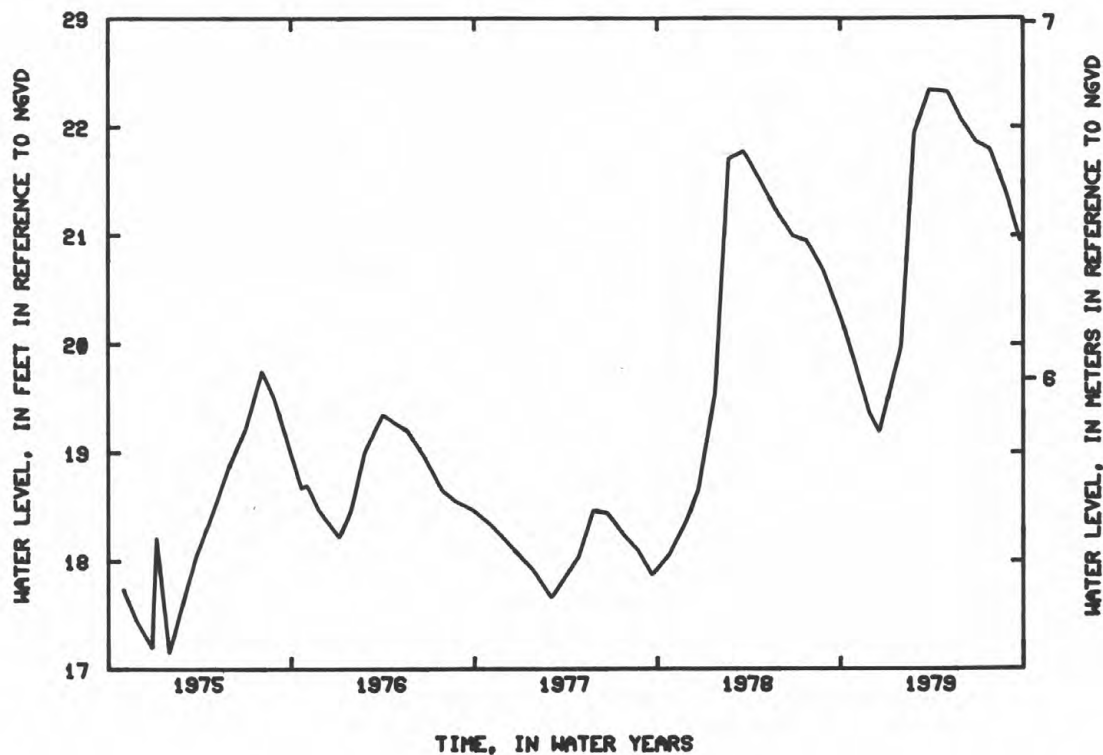
PERIOD OF RECORD.--March 1907 to December 1909, April 1942 to April 1943, January 1947 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.34 ft (6.81 m) NGVD, Mar. 27, 1979; lowest measured, 15.03 ft (4.58 m) NGVD, Jan. 26, 1967.

## WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	20.22	DEC 18	19.19	FEB 27	21.94	MAY 3	22.32	JUN 29	21.86	AUG 28	21.39
26	19.89	JAN 31	19.97	MAR 27	22.34	29	22.07	JUL 26	21.79	SEP 25	20.95
NOV 29	19.36										

S 9549



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.

WELL CHARACTERISTICS.--Augered water-table observation well, diameter 2 in (0.05 m), depth 82 ft (25 m), screened 80 to 82 ft (24 to 25 m).

DATUM.--Land-surface datum is 122.8 ft (37.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.04 ft (0.01 m) below land-surface datum.

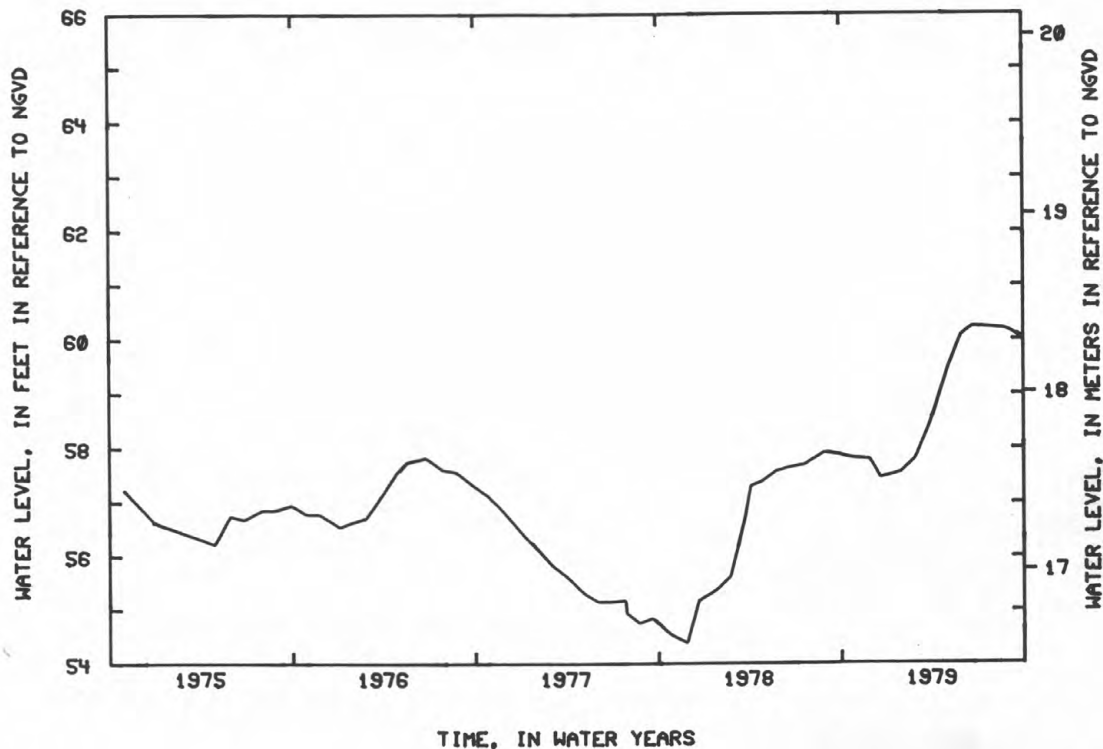
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for September 1944 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 60.23 ft (18.36 m) NGVD, June 21, 1979; lowest measured, 48.01 ft (14.63 m) NGVD, Mar. 31, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	57.82	JAN 30	57.55	MAR 27	58.44	MAY 2	59.46	JUN 21	60.23	AUG 28	60.18
NOV 29	57.78	FEB 28	57.80	APR 10	58.81	MAY 29	60.08	JUL 30	60.21	SEP 24	60.05
DEC 19	57.44										

S 3955





## SUFFOLK COUNTY--continued

405743072425701. Local number, S 4271.

LOCATION.--Lat 40°57'43", long 72°42'57", Hydrologic Unit 02030202, at Long Island Research Farm, Sound Avenue, Riverhead. Owner: U.S. Geological Survey.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 4 in (0.10 m), depth 105 ft (32 m), screened 100 to 105 ft (30 to 32 m).

DATUM.--Land-surface datum is 100.3 ft (30.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 1.14 ft (0.35 m) above land-surface datum.

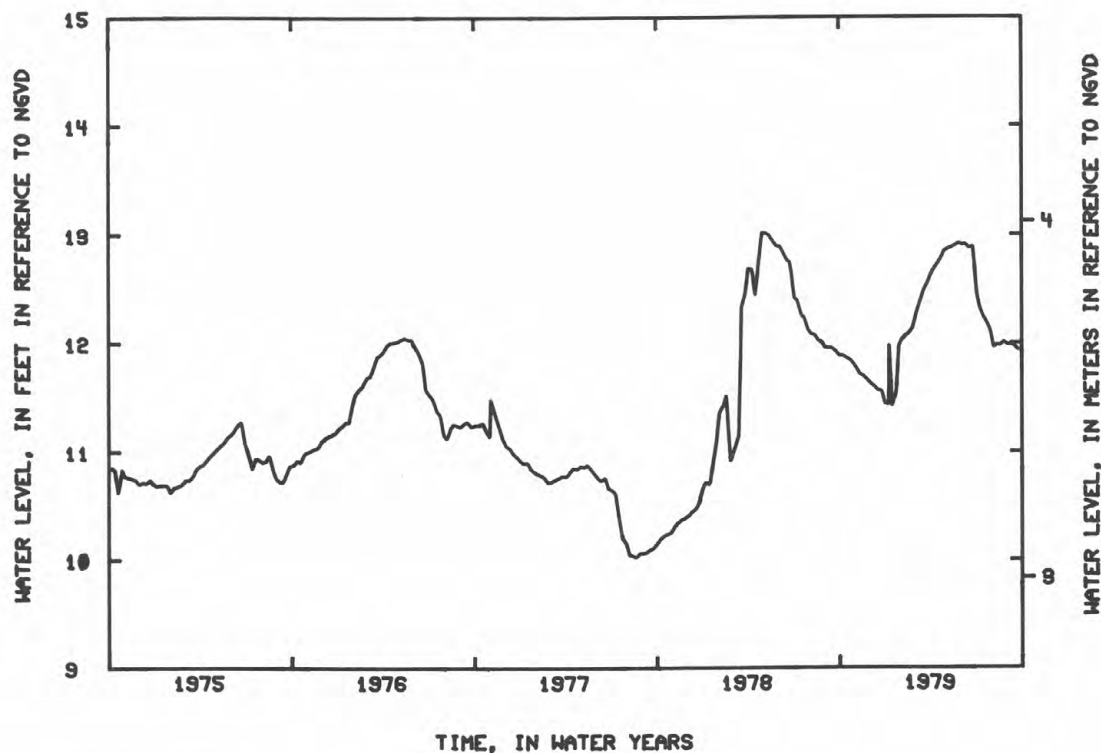
PERIOD OF RECORD.--August 1945 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.07 ft (3.98 m) NGVD, July 23, 30, 1973; lowest measured, 8.16 ft (2.49 m) NGVD, Sept. 5, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 1	11.88 G	DEC 10	11.60 G	FEB 12	12.07 G	APR 15	12.73 G	JUN 18	12.87 G	AUG 13	11.98 G
9	11.88 G	18	11.56 G	19	12.09 G	23	12.79 G	25	12.89 G	19	11.97 G
15	11.86 G	25	11.56 G	26	12.14 G	29	12.85 G	JUL 2	12.46 G	27	12.01 G
23	11.84 G	JAN 1	11.44 G	MAR 4	12.29 G	MAY 7	12.87 G	8	12.32 G	SEP 2	11.98 G
29	11.81 G	8	11.43 G	12	12.41 G	13	12.88 G	16	12.23 G	10	11.98 G
NOV 6	11.76 G	15	11.42 G	18	12.49 G	21	12.90 G	22	12.19 G	16	11.97 G
12	11.71 G	23	11.54 G	26	12.56 G	28	12.92 G	30	12.10 G	24	11.93 G
20	11.69 G	29	11.98 G	APR 1	12.63 G	JUN 4	12.90 G	AUG 6	11.95 G	30	11.93 G
DEC 4	11.62 G	FEB 4	12.03 G	9	12.69 G	10	12.91 G				

S 4271



G MEASUREMENT BY ANOTHER AGENCY

GROUND-WATER LEVELS  
SUFFOLK COUNTY--continued

405149072532201. Local number, S 5517.

LOCATION.--Lat 40°51'49", long 72°53'22", Hydrologic Unit 02030202, at Upton Road and Princeton Avenue, Upton.

Owner: Brookhaven National Laboratory.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 4 in (0.10 m), depth 91 ft (28 m), screened 85 to 91 ft (26 to 28 m).

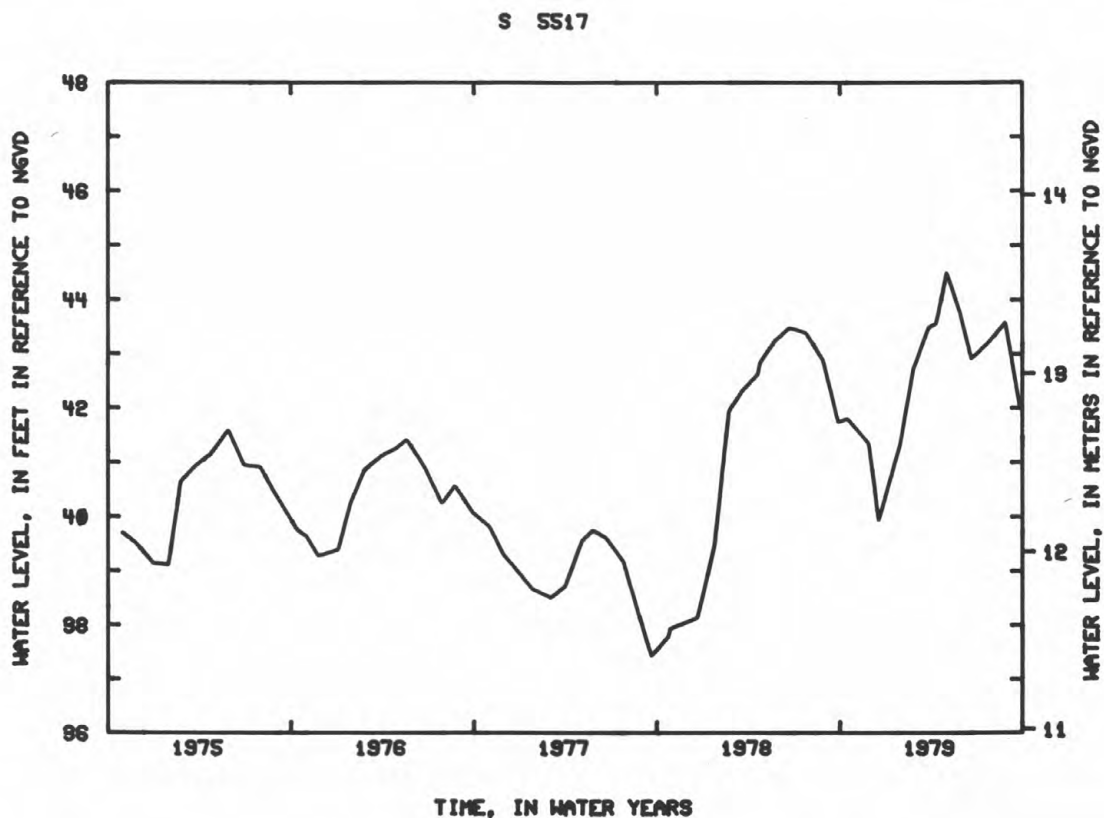
DATUM.--Land-surface datum is 115.0 ft (35.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.04 ft (0.01 m) above land-surface datum.

PERIOD OF RECORD.--April 1948 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 46.93 ft (14.30 m) NGVD, June 25, 1958; lowest measured, 33.34 ft (10.16 m) NGVD, Mar. 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	41.80	JAN 31	41.35	MAR 27	43.49	MAY 2	44.50	JUN 21	42.90	AUG 28	43.58
NOV 29	41.34	FEB 27	42.72	APR 12	43.56	29	43.75	JUL 26	43.22	SEP 26	42.04
DEC 18	39.93										



GROUND-WATER LEVELS  
SUFFOLK COUNTY--continued

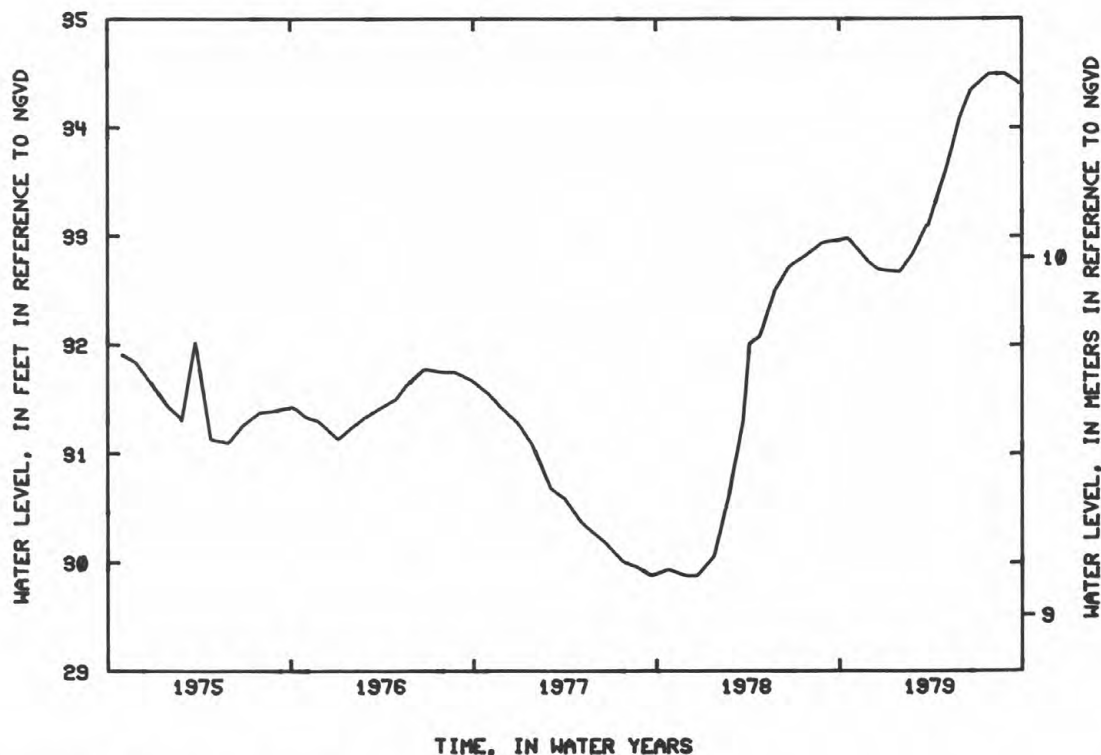
163

40565072541801. Local number, S 6411.  
LOCATION.--Lat 40°56'50", long 72°54'18", Hydrologic Unit 02030202, at State Highway 25 and Randall Road, Shoreham.  
Owner: Brookhaven National Laboratory.  
AQUIFER.--Upper Glacial.  
WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 4 in (0.10 m), depth 149 ft (45 m), screened 143 to 149 ft (44 to 45 m).  
DATUM.--Land-surface datum is 138.4 ft (42.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.73 ft (0.53 m) above land-surface datum.  
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for November 1948 to September 1975 are available in files of Long Island Sub-district office.  
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 34.49 ft (10.51 m) NGVD, July 26, Aug. 28, 1979; lowest measured, 25.15 ft (7.67 m) NGVD, Dec. 28, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	32.98	JAN 31	32.67	MAR 27	33.10	MAY 2	33.62	JUN 20	34.34	AUG 28	34.49
NOV 29	32.76	FEB 27	32.84	APR 17	33.40	MAY 29	34.09	JUL 26	34.49	SEP 26	34.40
DEC 18	32.69	MAR 24	33.10								

S 6411



405223072523401. Local number, S 6434.  
LOCATION.--Lat 40°52'23", long 72°52'34", Hydrologic Unit 02030202, at 10th Street and 4th Avenue, Upton. Owner: Brookhaven National Laboratory.  
AQUIFER.--Lloyd.  
WELL CHARACTERISTICS.--Drilled observation artesian well diameter 10 in (0.25 m), depth 1,395 ft (425 m), screened 1,312 to 1,392 ft (400 to 424 m).  
DATUM.--Land-surface datum is 85.0 ft (25.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in (0.05 m) nipple, 2.21 ft (0.67 m) above land-surface datum.  
REMARKS.--Water-quality records for 1949 are available in files of Long Island Sub-district office.  
PERIOD OF RECORD.--August 1949 to current year.  
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 36.11 ft (11.01 m) NGVD, July 12, 1979; lowest measured, 28.74 ft (8.76 m) NGVD, Mar. 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 19	33.63	APR 20	35.36	JUL 12	36.11						

## SUFFOLK COUNTY--continued

404936072483501. Local number, S 6439.

LOCATION.--Lat 40°49'36", long 72°48'35", Hydrologic Unit 02030202, at Jerusalem Hollow Road and Chichester Avenue, Manorville. Owner: Town of Brookhaven.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 1.25 in (0.03 m), depth 42 ft (13 m), screen assumed at bottom.

DATUM.--Land-surface datum is 54.5 ft (16.6 m) National Geodetic Datum of 1929. Measuring point: Top of casing, 0.54 ft (0.16 m) below land-surface datum.

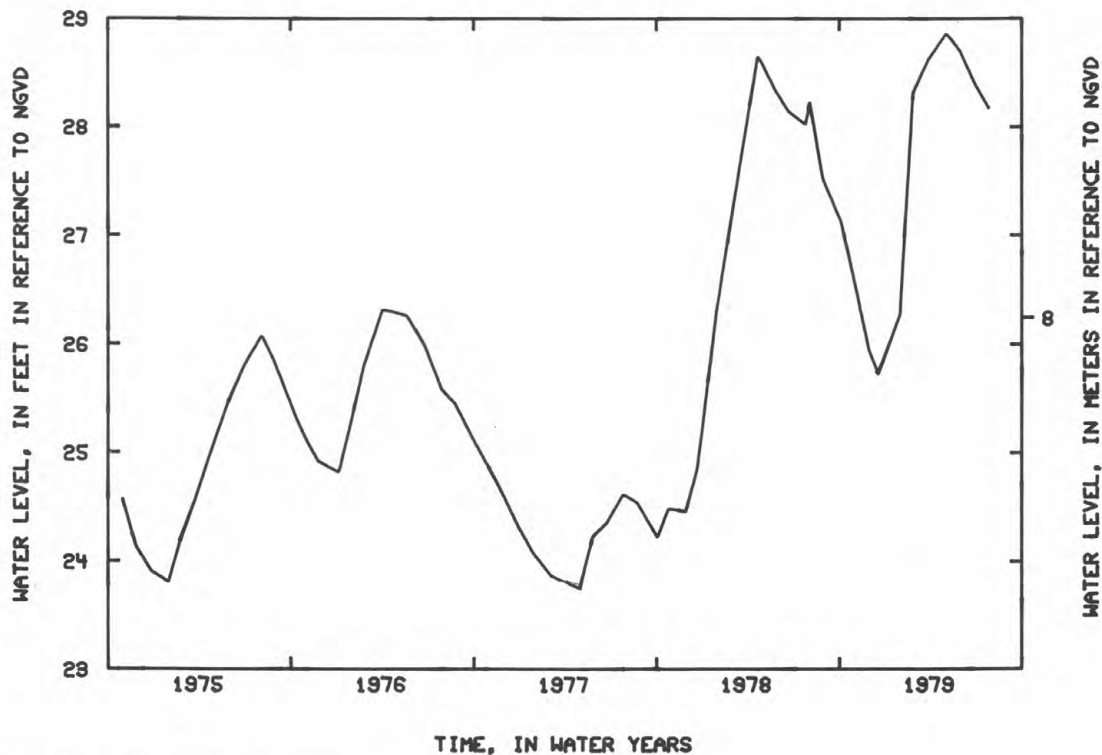
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for January 1949 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 28.86 ft (8.80 m) NGVD, May 2, 1979; lowest measured, 21.64 ft (6.60 m) NGVD, Feb. 23, 1951.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	27.13	NOV 29	25.96	JAN 31	26.27	MAR 27	28.62	MAY 29	28.70	JUL 26	28.17
27	26.67	DEC 18	25.73	FEB 27	28.31	MAY 2	28.86	JUN 28	28.40		

S 6439



40522307523402. Local number, S 6455.

LOCATION.--Lat 40°52'23", long 73°52'34", Hydrologic Unit 02030202, at 10th Street and 4th Avenue, Upton. Owner: Brookhaven National Laboratory.

AQUIFER.--Magothy.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in (0.10 m), depth 962 ft (293 m), screened 952 to 962 ft (290 to 293 m).

DATUM.--Land-surface datum is 84.6 ft (25.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.16 ft (0.05 m) below land-surface datum.

PERIOD OF RECORD.--July 1949 to June 1952, January 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 47.15 ft (14.37 m) NGVD, May 31, 1949; lowest measured, 33.82 ft (10.31 m) NGVD, Dec. 27, 1966, Mar. 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
APR 2	42.50	JUL 12	41.85								

## SUFFOLK COUNTY--continued

410100072292501. Local number, S 6542.

LOCATION.--Lat 41°01'00", long 72°29'25", Hydrologic Unit 02030202, at Depot Lane, 0.4 mi (0.6 km) north of State Highway 25, Cutchogue. Owner: Cutchogue Fire Department.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Drilled fire-protection water-table well, diameter 6 in (0.15 m), depth 36 ft (11 m), screen assumed at bottom.

DATUM.--Land-surface datum is 24.4 ft (7.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Bottom outside edge of hose connection, 1.79 ft (0.55 m) above land-surface datum.

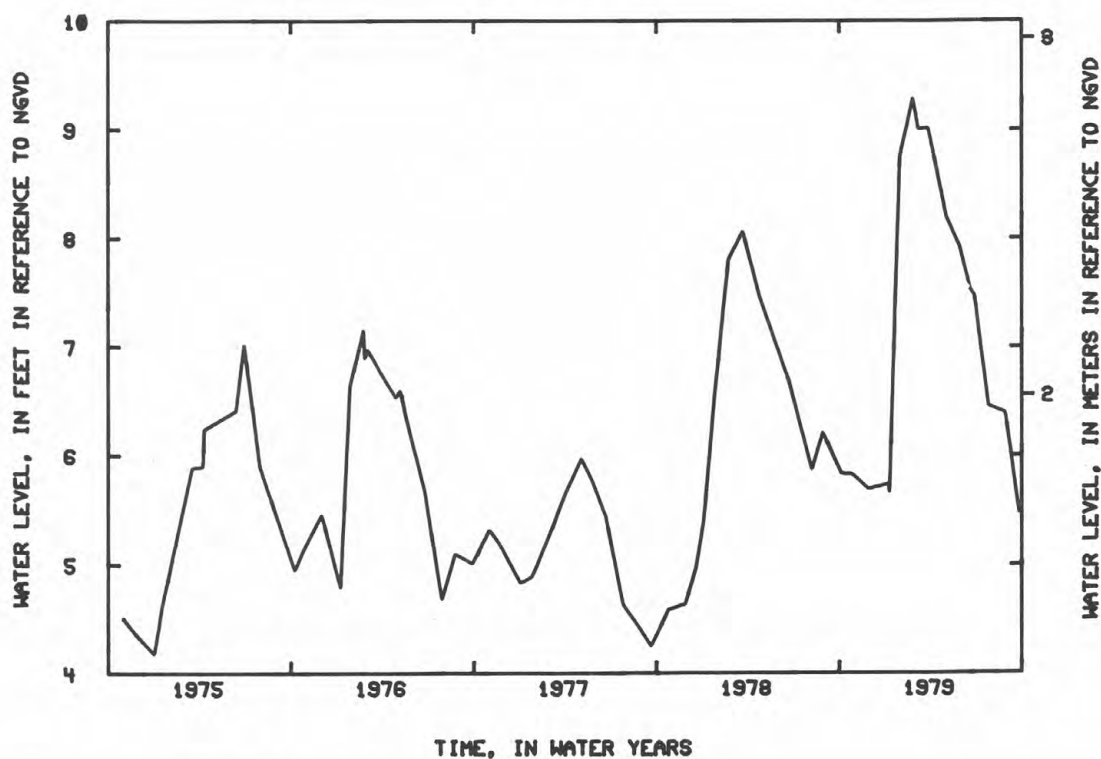
PERIOD OF RECORD.--July 1949 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.28 ft (2.83 m) NGVD, Feb. 27, 1979; lowest measured, 2.66 ft (0.81 m) NGVD, Aug. 31, 1966.

## WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 6	5.83	JAN 9	5.74 G	FEB 27	9.28	MAY 3	8.19	JUN 28	7.47	AUG 29	6.39
27	5.83	10	5.66	MAR 7	9.00 G	29	7.92	JUL 26	6.45	SEP 26	5.47
NOV 29	5.69	31	8.74	27	9.01	JUN 20	7.52				

S 6542



405756072173501. Local number, S 8833.

LOCATION.--Lat 40°57'56", long 72°17'35", Hydrologic Unit 02030202, at Toppings Path near Sag Harbor. Owner: Town of Southampton.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Driven observation water-table well, diameter 2 in (0.05 m), depth 13 ft (4.0 m), screened 10 to 13 ft (3.0 to 4.0 m).

DATUM.--Land-surface datum is 20.0 ft (6.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.63 ft (0.50 m) above land-surface datum.

REMARKS.--Water-quality records for 1974-76 are available in files of Long Island Sub-district office.

PERIOD OF RECORD.--October 1950 to current year. Unpublished records for October 1950 to September 1977 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.30 ft (5.58 m) NGVD, May 26, 1953; lowest measured, 12.87 ft (3.92 m) NGVD, Oct. 27, 1966.

## WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 12	16.76	JAN 10	16.48	FEB 5	17.78	MAR 30	18.08	JUL 3	17.94	SEP 28	17.09

G MEASUREMENT BY ANOTHER AGENCY

GROUND-WATER LEVELS  
SUFFOLK COUNTY--continued

405309072233101. Local number, S 8836.

LOCATION.--Lat 40°53'09", long 73°23'31", Hydrologic Unit 02030202, at Nugent Street and Windmill Lane, Southampton.

Owner: Southampton Fire Department.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Drilled fire-protection water-table well, diameter 8 in (0.20 m), depth 37 ft (11 m), screen assumed at bottom.

DATUM.--Land-surface datum is 17.4 ft (5.30 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.47 ft (0.45 m) above land-surface datum.

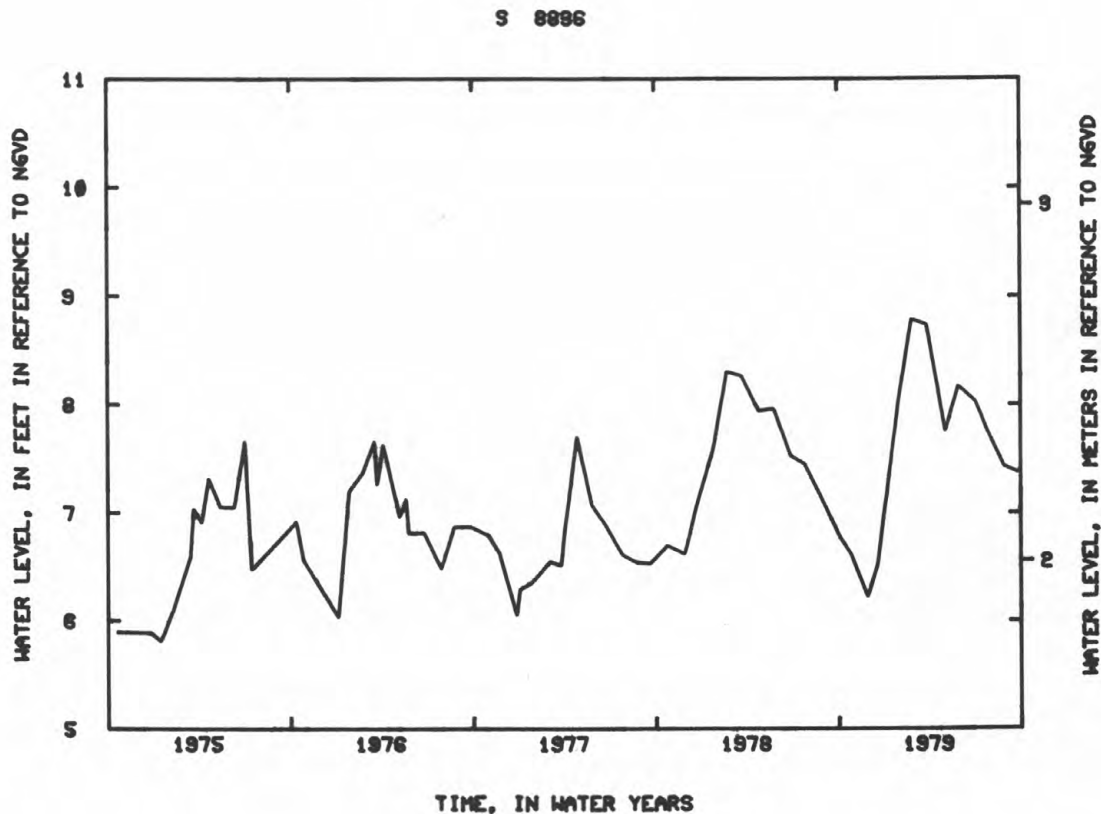
REMARKS.--Water-quality records for 1974-76 are available in files of Long Island Sub-district office; those for 1977 are published elsewhere in this report.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.08 ft (2.77 m) NGVD, Mar. 29, 1973; lowest measured, 4.93 ft (1.50 m) NGVD, Aug. 30, 1968.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	6.78	DEC 18	6.51	FEB 27	8.78	MAY 3	7.75	JUL 3	8.02	AUG 29	7.42
26	6.62	JAN 31	8.04	MAR 27	8.73	29	8.17	26	7.75	SEP 25	7.37
NOV 29	6.22										



LOCATION.--Lat 40°58'40", long 72°08'23", Hydrologic Unit 02030202, at Windmill Lane and State Highway 27, Amagansett. Owner: D. Toler.

WELL CHARACTERISTICS.--Driven observation water-table well, diameter 1.25 in (0.03 m), depth 37 ft (11 m), screen assumed at bottom.

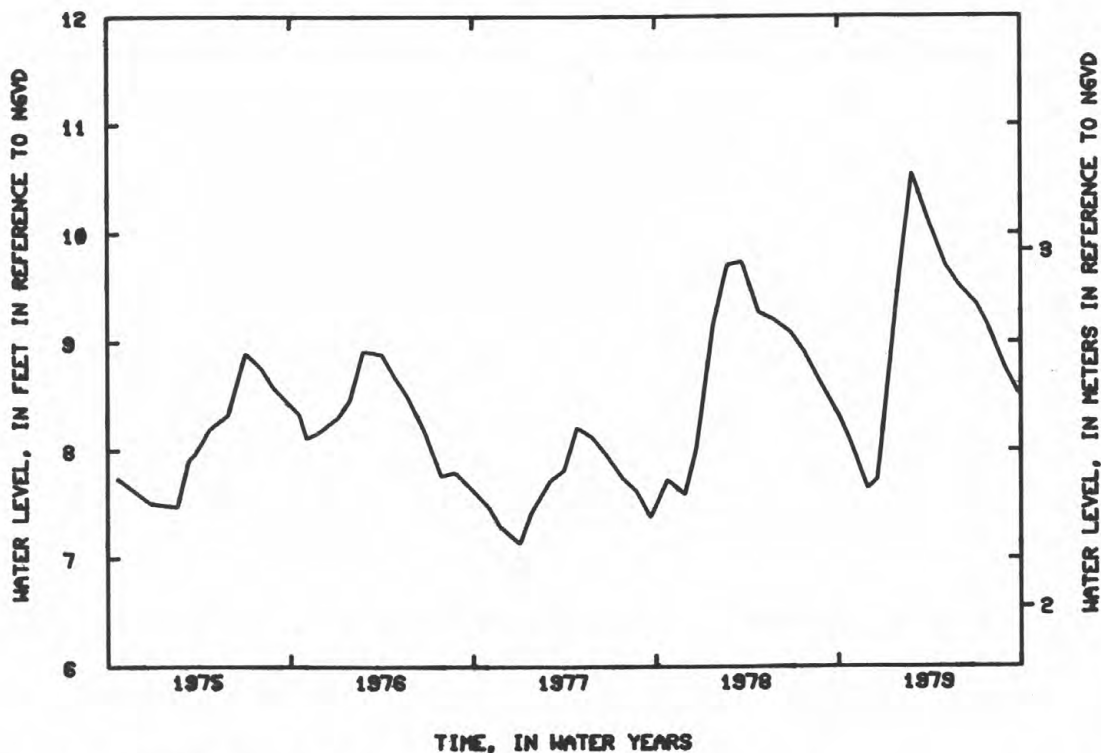
DATUM:--Land-surface datum is 39.1 ft (11.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.87 ft (0.27 m) above land-surface datum.

PERIOD OF RECORD.--October 1975 to current year. Unpublished records for August 1950 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.-- Highest water level measured, 10.55 ft (3.22 m) NGVD, Feb. 27, 1979; lowest measured, 6.10 ft (1.86 m) NGVD, Oct. 27, 1966.

[illegible]

**2 8899**



LOCATION.--Lat 40°48'31", long 72°53'05", Hydrologic Unit 02030202, at River Road, Shirley. Owner: Town of Brookhaven.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2 in (0.05 m), depth 28 ft (8.5 m), screened 25 to 28 ft (7.6 to 8.5 m).

DATUM.--Land-surface datum is 26.0 ft (7.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 100 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--June 1953 to current year. Unpublished records for June 1953 to September 1977 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.53 ft (3.51 m) NGVD, Mar. 29, 1978; lowest measured, 9.58 ft (2.92 m) NGVD, Feb. 26, 1954.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4 26	10.79 10.58	DEC 21	10.59	FEB 2	11.32	APR 2	11.32	APR 17	11.32	JUN 28	11.01



## GROUND-WATER LEVELS

## SUFFOLK COUNTY--continued

405843072352902. Local number, S 16756-2.

LOCATION.--Lat 40°58'43", long 72°35'29", Hydrologic Unit 02030202, at Herricks Lane, 0.25 mi (0.4 km) south of Sound Avenue, Jamesport. Owner: Town of Riverhead.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2 in (0.05 m), depth 62 ft (19 m), screen assumed at bottom.

DATUM.--Land-surface datum is 61.0 ft (18.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.23 ft (0.07 m) below land-surface datum.

PERIOD OF RECORD.--October 1976 to current year. Unpublished records for September 1958 to September 1976 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.06 ft (3.07 m) NGVD, Mar. 30, 1979; lowest measured, 4.21 ft (1.28 m) NGVD, Aug. 31, 1966.

## WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	7.96	JAN 12	7.61	FEB 1	8.79	MAR 30	10.06	JUN 28	8.89		

410225072283701. Local number, S 16777-2.

LOCATION.--Lat 41°02'25", long 72°28'37", Hydrologic Unit 02030201, at Sound Avenue, near Peconic. Owner: U.S. Geological Survey.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2 in (0.05 m), depth 66 ft (20 m), screened 46 to 51 ft (14 to 16 m).

DATUM.--Land-surface datum is 37.0 ft (11.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.17 ft (0.05 m) below land-surface datum.

REMARKS.--This well was replaced by S 65606.

PERIOD OF RECORD.--September 1958 to current year. Unpublished records for September 1958 to September 1977 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.89 ft (2.71 m) NGVD, Mar. 6, 1979; lowest measured, 2.27 ft (0.69 m) NGVD, Aug. 31, 1966.

## WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 14	3.55 G	MAR 6	8.89 G								

410856072172001. Local number, S 16787.

LOCATION.--Lat 41°08'56", long 72°17'20", Hydrologic Unit 02030201, at State Highway Route 25, Orient. Owner: Suffolk County Department of Public Works.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Driven observation water-table well, diameter 1.25 in (0.03 m), depth 44 ft (13 m) screened 41 to 44 ft (12 to 13 m).

DATUM.--Land-surface datum is 22.2 ft (6.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.24 ft (0.07 m) above land-surface datum.

PERIOD OF RECORD.--August 1958 to current year. Unpublished records for August 1958 to September 1977 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.57 ft (1.39 m) NGVD, Mar. 29, 1979; lowest measured, 1.12 ft (0.34 m) NGVD, Aug. 8, 1966.

## WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 6	2.87	JAN 10	3.19	FEB 1	4.19	MAR 29	4.57	JUN 20	3.76		

G MEASUREMENT BY ANOTHER AGENCY

GROUND-WATER LEVELS  
SUFFOLK COUNTY--continued

169

404747073241501. Local number, S 16874.

LOCATION.--Lat 40°47'47", long 73°24'15", Hydrologic Unit 02030202, at Old Country Road and New York Avenue, Huntington. Owner: Town of Huntington.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Driven observation water-table well, diameter 1.25 in (0.03 m), depth 82 ft (25 m), screen assumed at bottom.

DATUM.--Land-surface datum is 141.2 ft (43.0 m) National Geodetic Vertical of 1929. Measuring point: Top of casing, 0.04 ft (0.01 m) below land-surface datum.

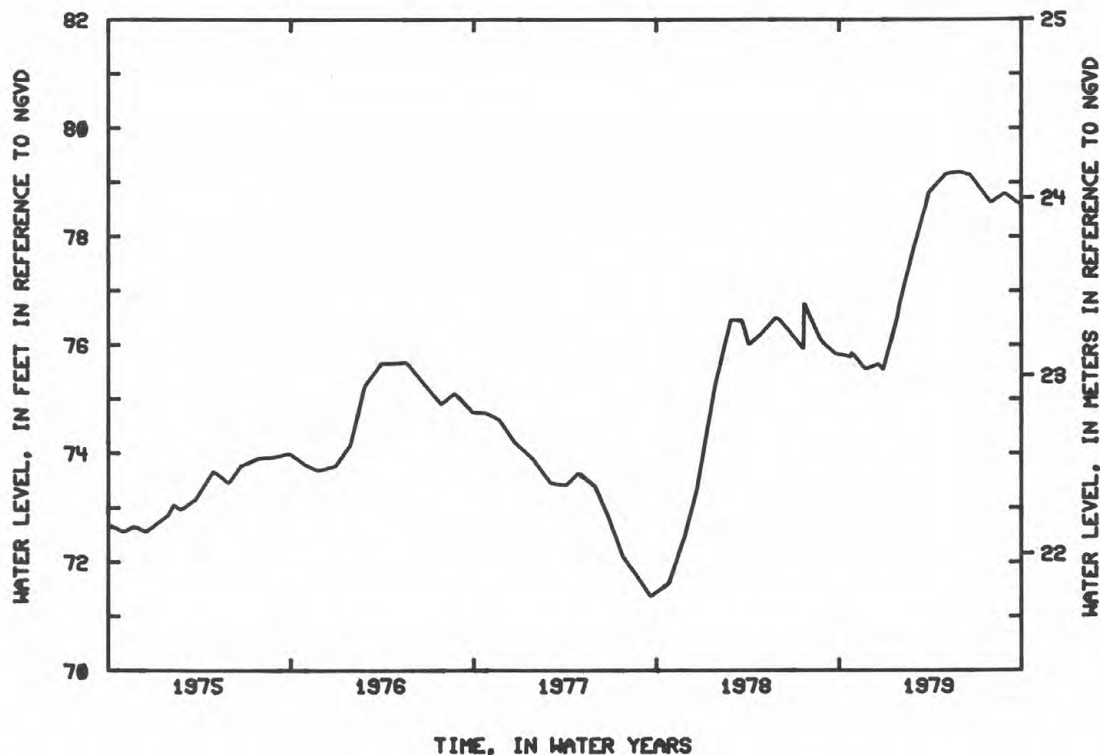
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for July 1958 to May 1959, August 1971 to September 1975, are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 79.19 ft (24.14 m) NGVD, May. 30, 1979; lowest measured, 66.95 ft (20.40 m) above NGVD, Oct. 20, 1971.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	75.78 G	NOV 29	75.57	JAN 26	76.51 G	MAR 22	78.56 G	MAY 30	79.19	AUG 28	78.80
26	75.86	DEC 19	75.65	30	76.74	28	78.81	JUN 20	79.13	SEP 24	78.61
NOV 22	75.56 G	28	75.54 G	FEB 28	77.77	MAY 2	79.16	JUL 31	78.62		

S 16874



G MEASUREMENT BY ANOTHER AGENCY

## SUFFOLK COUNTY--continued

403727073154602. Local number, S 21091.

LOCATION.--Lat 40°37'27", long 73°15'46", Hydrologic Unit 02030202, at Robert Moses State Park, Fire Island. Owner: Long Island State Park Commission.

AQUIFER.--Lloyd.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in (0.15 m), depth 1,921 ft (586 m), screened 1,918 to 1,921 ft (585 to 586 m).

DATUM.--Land-surface datum is 10.0 ft (3.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of flange, 13.68 ft (4.17 m) above land-surface datum.

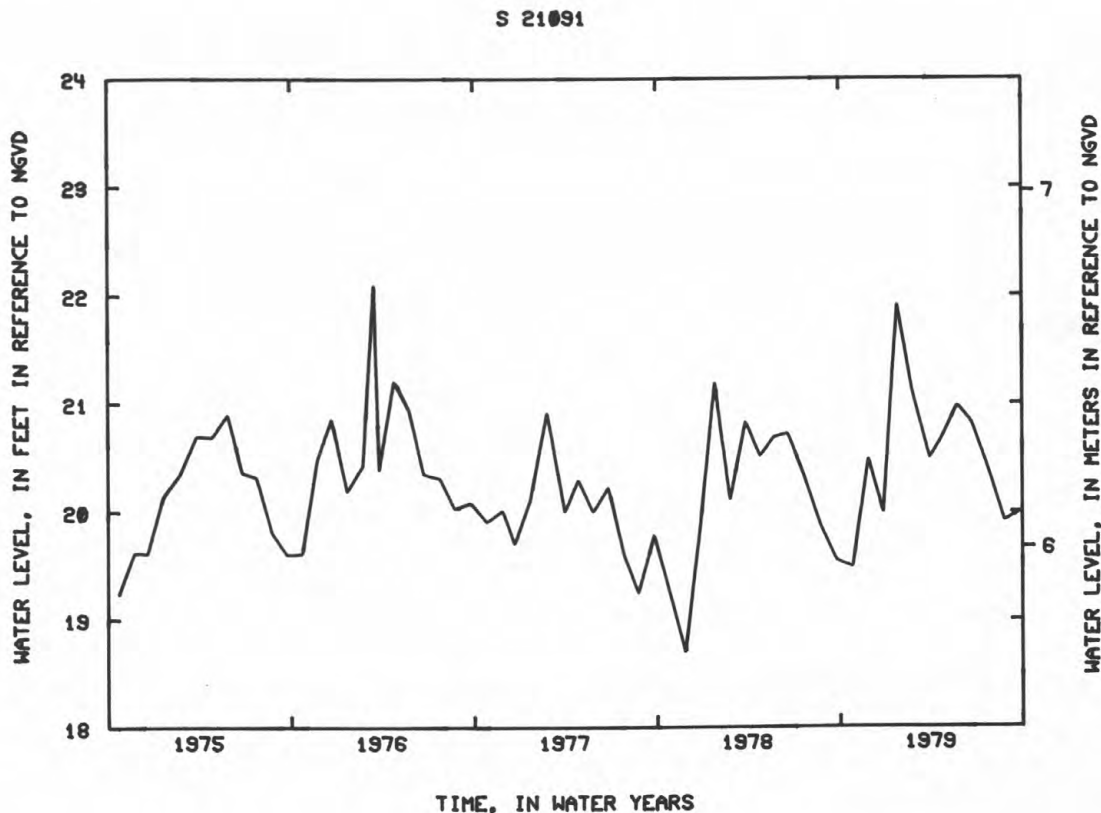
REMARKS.--Water-quality records for 1965 and 1972 are available in files of Long Island Sub-district office.

PERIOD OF RECORD.--October 1975 to current year. Unpublished records for June 1962 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.10 ft (6.74 m) NGVD, Mar. 16, 1976; lowest measured, 15.13 ft (4.61 m) NGVD, June 2, 1972.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	19.49	DEC 27	19.99	FEB 25	21.10	APR 24	20.69	JUN 21	20.82	AUG 26	19.91
NOV 28	20.49	JAN 25	21.91	MAR 29	20.49	MAY 23	20.98	JUL 23	20.40	SEP 25	20.00



## SUFFOLK COUNTY--continued

403727073154601. Local number, S 21311.

LOCATION.--Lat 40°37'27", long 73°15'46", Hydrologic Unit 02030202, at Robert Moses State Park, Fire Island. Owner: Long Island State Park Commission.

AQUIFER.--Magothy.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in (0.15 m), depth 721 ft (220 m), screened 711 to 721 ft (217 to 220 m).

DATUM.--Land-surface datum is 10.0 ft (3.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 20.01 ft (6.0 m) above land-surface datum.

REMARKS.--Water-quality records for 1965 are available in files of Long Island Sub-district office.

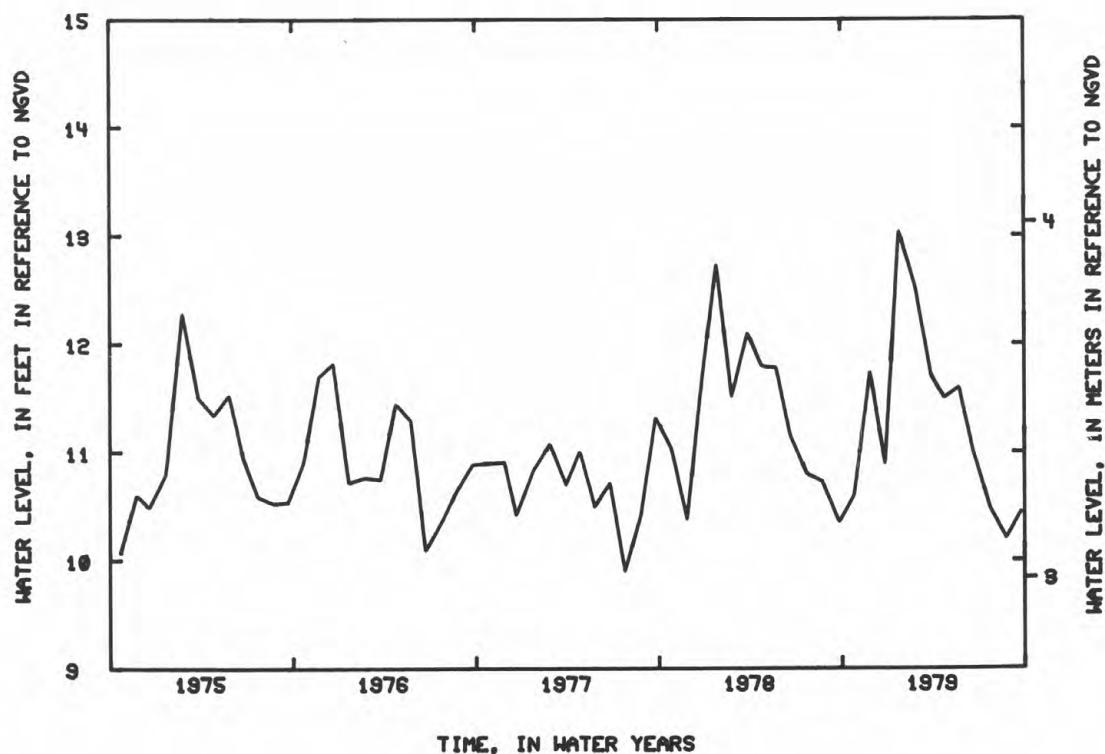
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for June 1962 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.04 ft (3.97 m) NGVD, Jan. 25, 1979; lowest measured, 5.35 ft (1.63 m) above NGVD, Feb. 23, 1972.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	10.60	DEC 27	10.89	FEB 27	12.53	APR 24	11.50	JUN 21	11.00	AUG 26	10.20
NOV 28	11.74	JAN 25	13.04	MAR 29	11.70	MAY 23	11.60	JUL 24	10.48	SEP 25	10.45

## S 21311



## SUFFOLK COUNTY--continued

404902073094001. Local number, S 22577.

LOCATION.--Lat 40°49'02", long 73°09'40", Hydrologic Unit 02030202, at L. I. Motor Parkway, near Nichols Road, Hauppauge. Owner: U.S. Geological Survey.

AQUIFER.--Magothy.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in (0.10 m), depth 736 ft (224 m), screened 724 to 734 ft (221 to 224 m).

DATUM.--Land-surface datum is 60.0 ft (18.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 2.63 ft (0.80 m) above land-surface datum.

REMARKS.--Water-quality records for 1964 are available in files of Long Island Sub-district office.

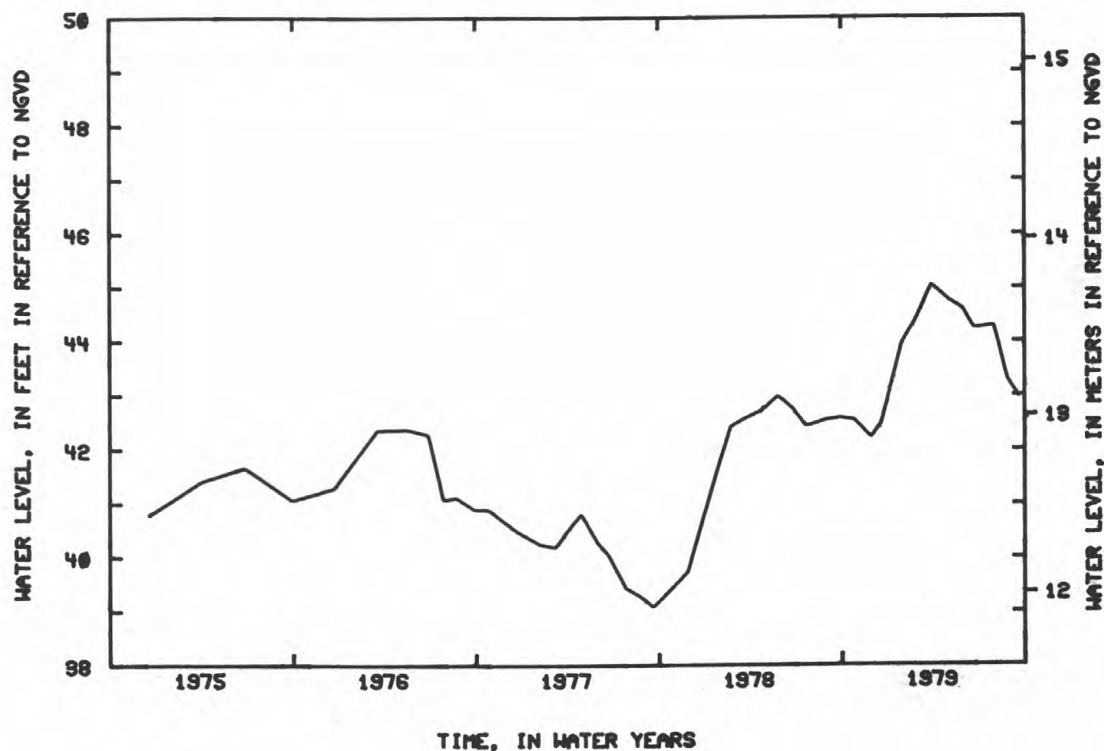
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for August 1964 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 45.04 ft (13.73 m) NGVD, Mar.28, 1979; lowest measured, 36.19 ft (11.03 m) above NGVD, Mar. 2, 1967.

## WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	42.54	DEC 19	42.49	FEB 28	44.41	MAY 2	44.75 G	JUN 21	44.24	AUG 28	43.28
NOV 29	42.21	JAN 30	43.97	MAR 28	45.04	MAY 30	44.59	AUG 1	44.28	SEP 20	42.96

## S 22577



G MEASUREMENT BY ANOTHER AGENCY

GROUND-WATER LEVELS  
SUFFOLK COUNTY--continued

173

404902073094002. Local number, S 22578.

LOCATION.--Lat 40°49'02", long 73°09'40", Hydrologic Unit 02030202, at L. I. Motor Parkway, near Nichols Road, Hauppauge. Owner: U.S. Geological Survey.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 4 in (0.10 m), depth 402 ft (123 m), screened 392 to 402 ft (119 to 123 m).

DATUM.--Land-surface datum is 60.1 ft (18.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in (0.05 m) coupling, 2.79 ft (0.85 m) above land-surface datum.

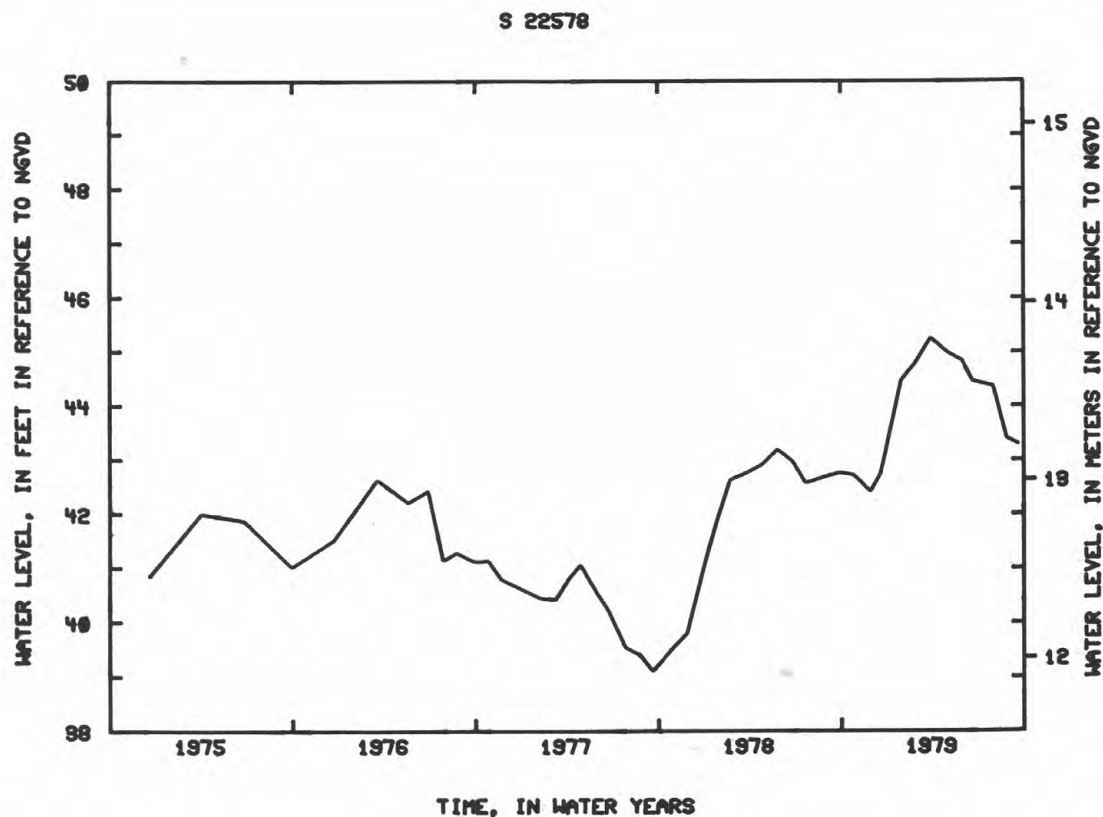
REMARKS.--Water-quality records for 1964 and 1971 are available in files of Long Island Sub-district office.

PERIOD OF RECORD.--October 1975 to current year. Unpublished records for August 1964 to September 1975 are in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 45.25 ft (13.79 m) NGVD, Mar. 28, 1979; lowest measured, 36.35 ft (11.08 m) NGVD, Mar. 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	42.72	DEC 19	42.75	FEB 28	44.79	MAY 2	44.97	JUN 21	44.45	AUG 28	43.39
NOV 29	42.41	JAN 30	44.47	MAR 28	45.25	MAY 30	44.83	AUG 1	44.36	SEP 20	43.29



## GROUND-WATER LEVELS

## SUFFOLK COUNTY--continued

404902073094003. Local number, S 22579.

LOCATION.--Lat 40°49'02", long 73°09'40", Hydrologic Unit 02030202, at L. I. Motor Parkway, near Nichols Road, Hauppauge. Owner: U.S. Geological Survey.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 4 in (0.10 m), depth 210 ft (64 m), screened 200 to 220 ft (61 to 67 m).

DATUM.--Land-surface datum is 60.1 ft (18.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in (0.05 m) coupling, 2.50 ft (0.76 m) above land-surface datum.

REMARKS.--Water-quality records for 1964 and 1971 are available in files of Long Island Sub-district office.

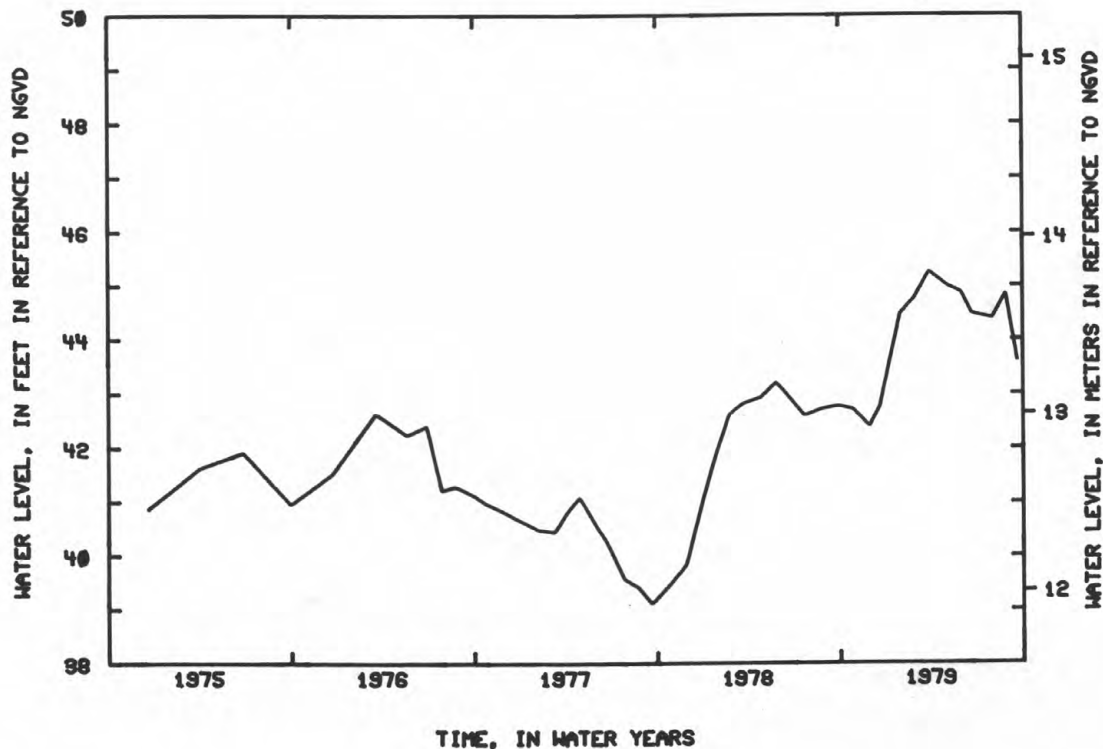
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for August 1964 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 45.26 ft (13.80 m) NGVD, Mar. 27, 1979, lowest measured, 36.40 ft (11.09 m) NGVD, Mar. 1, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	42.71	DEC 19	42.76	FEB 28	44.77	MAY 2	44.99	JUN 21	44.47	AUG 28	44.85
NOV 29	42.39	JAN 30	44.48	MAR 27	45.26	MAY 30	44.87	AUG 1	44.39	SEP 20	43.60

S 22579





## SUFFOLK COUNTY--continued

404828073114002. Local number, S 22580.

LOCATION.--Lat 40°48'28", long 73°11'40", Hydrologic Unit 02030202, at Long Island Expressway Service Road and L. I. Motor Parkway, Central Islip. Owner: U.S. Geological Survey.

AQUIFER.--Magothy.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 4 in (0.10 m), depth 802 ft (244 m), screened 440 to 450 ft (134 to 137 m).

DATUM.--Land-surface datum is 123.0 ft (37.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 4.30 ft (1.31 m) above land-surface datum.

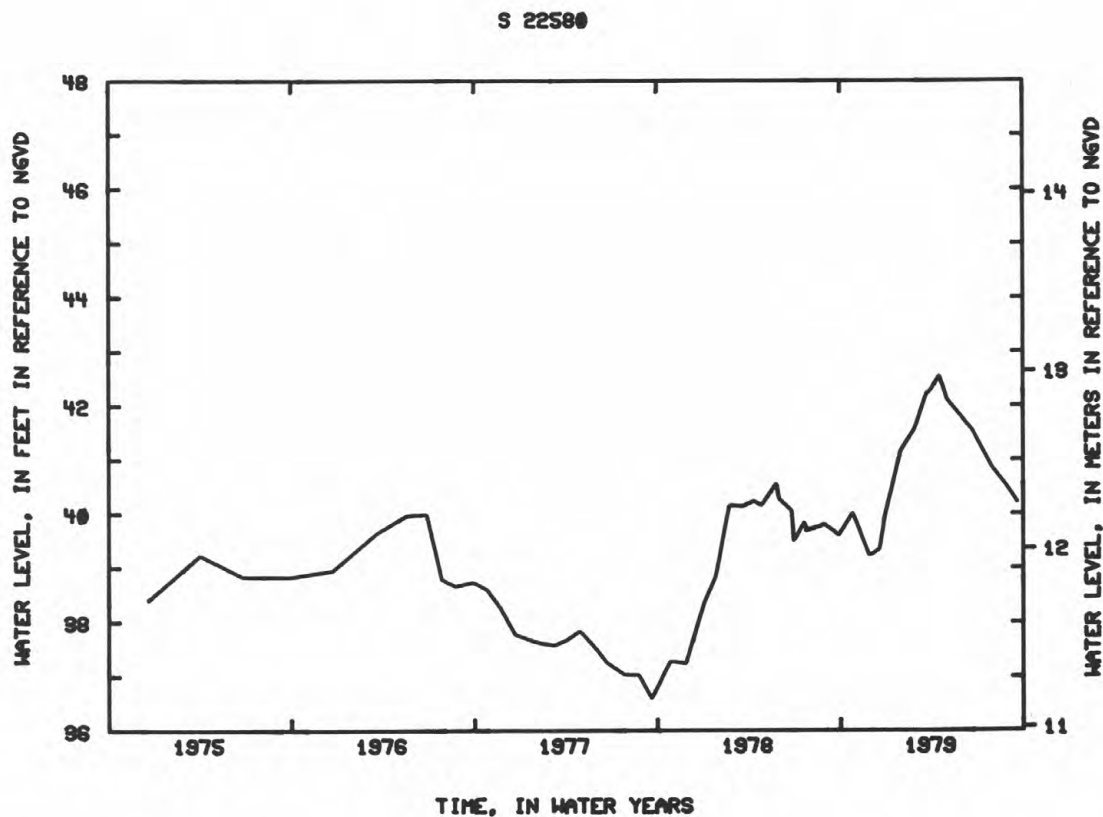
REMARKS.--Water-quality records for 1972 are available in files of Long Island Sub-district office.

PERIOD OF RECORD.--October 1975 to current year. Unpublished records for May 1964 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.55 ft (12.97 m) NGVD, Apr. 17, 1979; lowest measured, 34.01 ft (10.37 m) NGVD, Jan. 27, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	40.02	DEC 29	39.94 G	FEB 28	41.57	MAR 28	42.26	MAY 30	41.79	AUG 1	40.84
NOV 22	39.38 G	JAN 29	41.10 G	MAR 21	42.23 G	APR 17	42.55 G	JUN 12	41.64 G	28	40.52
29	39.22	30	41.16	22	42.23 G	MAY 2	42.10	21	41.55	SEP 20	40.21
DEC 19	39.35										



G MEASUREMENT BY ANOTHER AGENCY

## SUFFOLK COUNTY--continued

404828073114003. Local number, S 22581.

LOCATION.--Lat 40°48'28", long 73°11'40", Hydrologic Unit 02030202, at Long Island Expressway Service Road and L. I. Motor Parkway, Central Islip. Owner: U.S. Geological Survey.

AQUIFER.--Magothy.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 4 in (0.10 m), depth 450 (137 m), screened 440 to 450 ft (134 to 137 m).

DATUM.--Land-surface datum is 123.2 ft (37.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 4.08 ft (1.24 m) above land-surface datum.

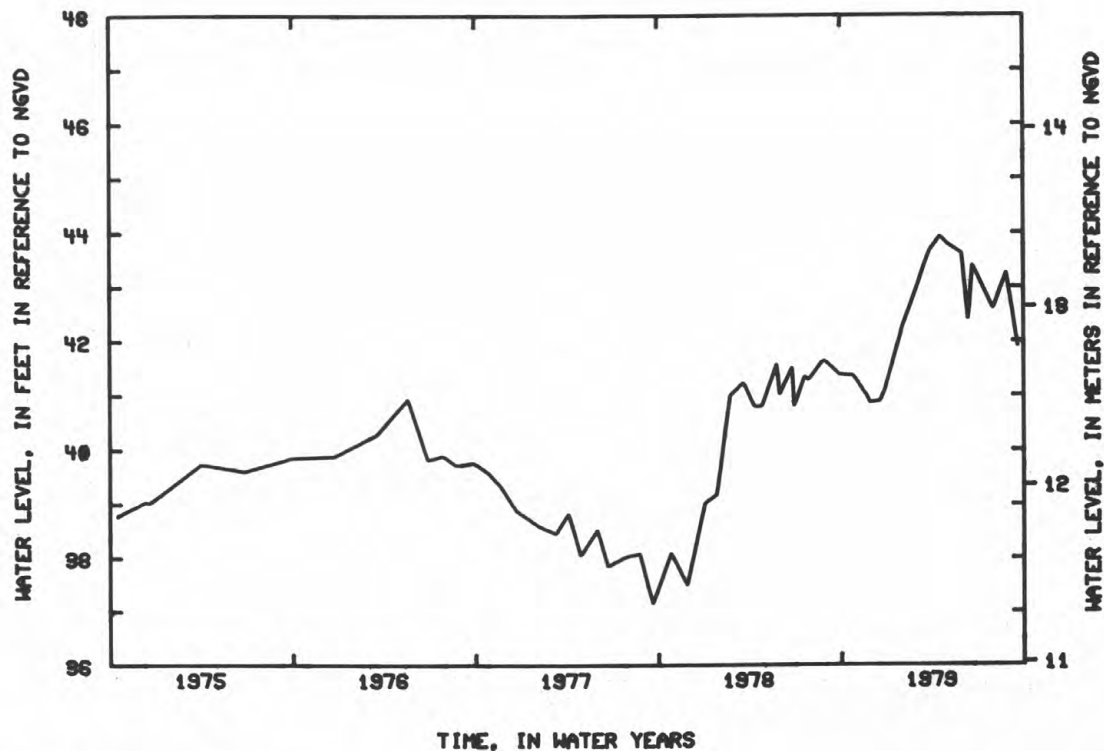
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for August 1964 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 43.93 ft (13.39 m) NGVD, Apr. 17, 1979; lowest measured, 34.21 ft (10.43 m) NGVD, Jan. 27, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	41.36	DEC 29	41.12 G	FEB 28	42.90	MAR 28	43.69	MAY 30	43.61	AUG 1	42.59
NOV 22	40.99 G	JAN 29	42.12 G	MAR 21	43.55 G	APR 17	43.93 G	JUN 12	42.39 G	SEP 28	43.26
		30	42.19	22	43.55 G	MAY 2	43.78	21	43.40	SEP 20	41.90
DEC 19	40.90										

## S 22581



G MEASUREMENT BY ANOTHER AGENCY

GROUND-WATER LEVELS  
SUFFOLK COUNTY--continued

177

404828073114004. Local number, S 22582.

LOCATION.--Lat 40°48'28", long 73°11'40", Hydrologic Unit 02030202, at Long Island Expressway Service Road and L. I. Motor Parkway, Central Islip. Owner: U.S. Geological Survey.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2 in (0.05 m), depth 115 ft (35 m), screened 105 to 115 ft (32 to 35 m).

DATUM.--Land-surface datum is 123.7 ft (37.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.01 ft (0.92 m) above land-surface datum.

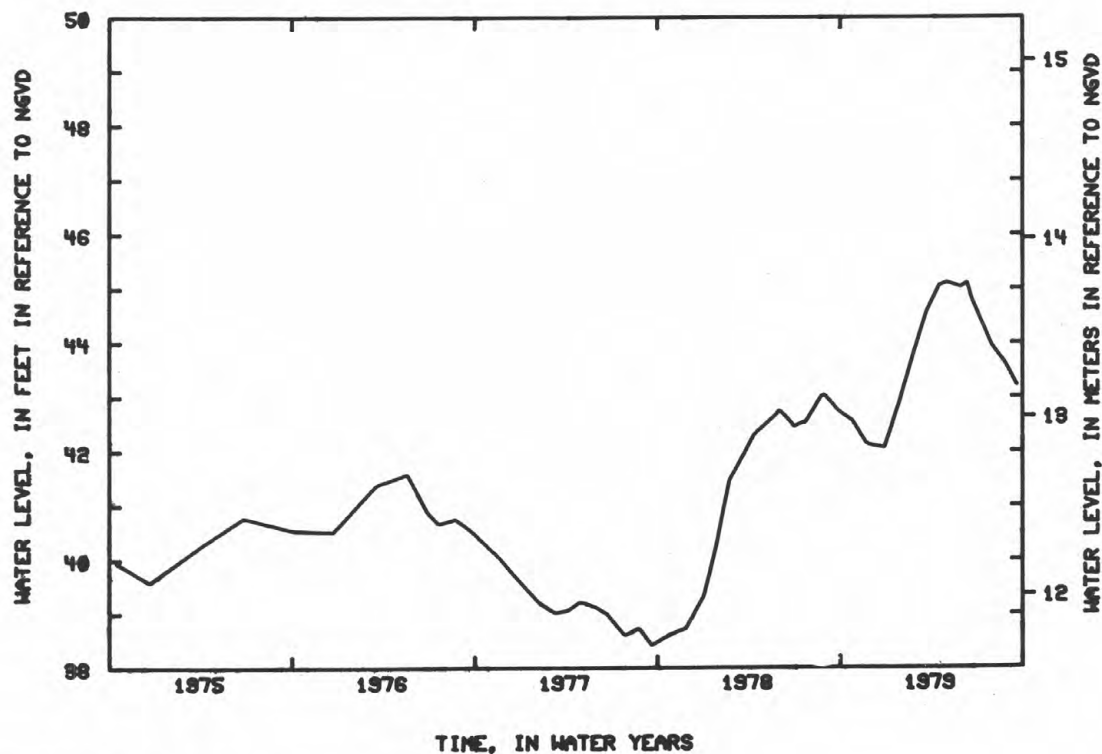
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for August 1964 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 45.11 ft (13.75 m) NGVD, May 2 and June 12, 1979; lowest measured, 34.74 ft (10.59 m) NGVD, Jan. 27, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	42.55	DEC 19	42.08	JAN 30	42.97	MAR 28	44.69	MAY 30	45.02	AUG 1	43.93
NOV 22	42.15 G	29	42.06 G	FEB 28	43.86	APR 17	45.06	JUN 12	45.11	28	43.60
29	42.11	JAN 29	42.93	MAR 22	44.57	MAY 2	45.11	21	44.80	SEP 20	43.20

S 22582



G MEASUREMENT BY ANOTHER AGENCY

## GROUND-WATER LEVELS

## SUFFOLK COUNTY--continued

404902073094004. Local number, S 23133.

LOCATION.--Lat 40°49'02", long 73°09'40", Hydrologic Unit 02030202, at L. I. Motor Parkway, near Nichols Road, Hauppauge. Owner: U.S. Geological Survey.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Driven observation water-table well, diameter 2 in (0.05 m), depth 29 ft (9 m), screened 26 to 29 ft (8 to 9 m).

DATUM.--Land-surface datum is 60.3 ft (18.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.59 ft (0.18 m) above land-surface datum.

REMARKS.--Water-quality records for 1964 are available in files of Long Island Sub-district office.

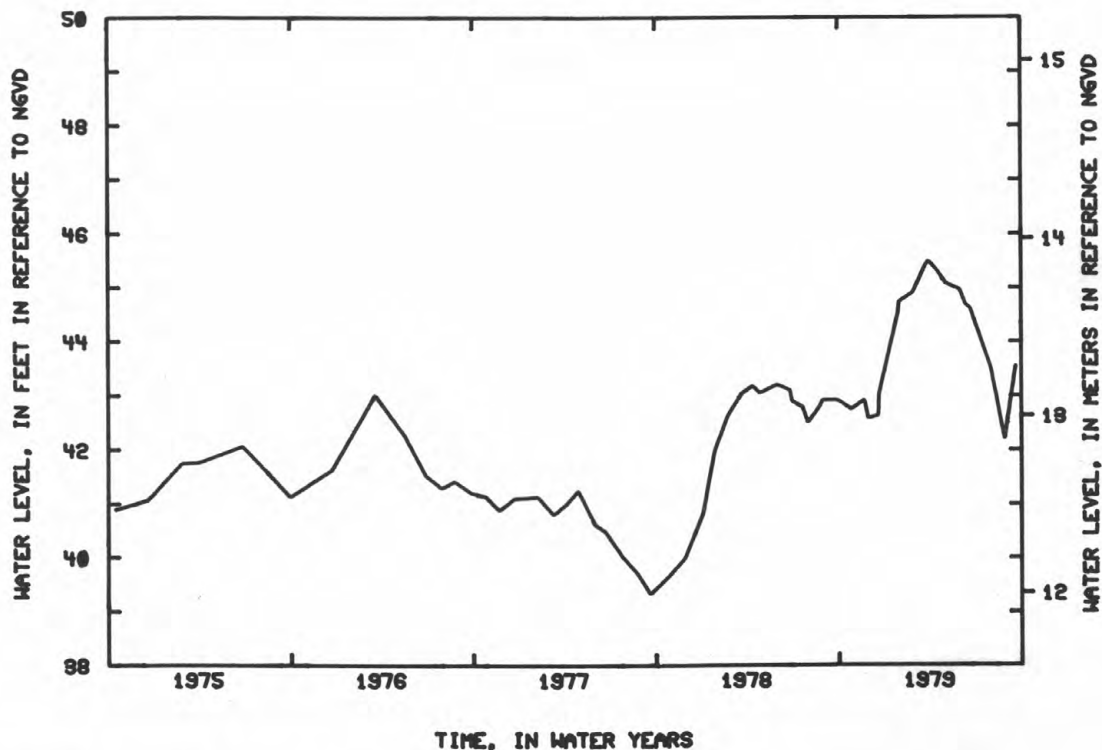
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for August 1964 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 45.50 ft (13.87 m) NGVD, Mar. 28, 1979; lowest measured, 35.66 ft (10.87 m) NGVD, Nov. 30, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	42.75	DEC 19	42.64	JAN 30	44.74	MAR 28	45.50	MAY 30	44.96	AUG 1	43.50
NOV 22	42.93 G	20	43.02 G	FEB 28	44.91	APR 17	45.29 G	JUN 11	44.69 G	28	42.19
29	42.58	JAN 29	44.57 G	MAR 22	45.40 G	MAY 2	45.07	21	44.60	SEP 20	43.56

## S 23133



G MEASUREMENT BY ANOTHER AGENCY

## SUFFOLK COUNTY--continued

404809073160301. Local number, S 24769.

LOCATION.--Lat 40°48'19", long 73°16'03", Hydrologic Unit 02030202, at Vanderbilt Parkway and Wicks Road, Brentwood.

Owner: U.S. Geological Survey.

AQUIFER.--Magothy.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in (0.10 m), depth 810 ft (247 m), screened 800 to 810 ft (244 to 247 m).

DATUM.--Land-surface datum is 139.0 ft (42.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.98 ft (0.60 m) above land-surface datum.

REMARKS.--Water-quality records for 1965 and 1972 are available in files of Long Island Sub-district office.

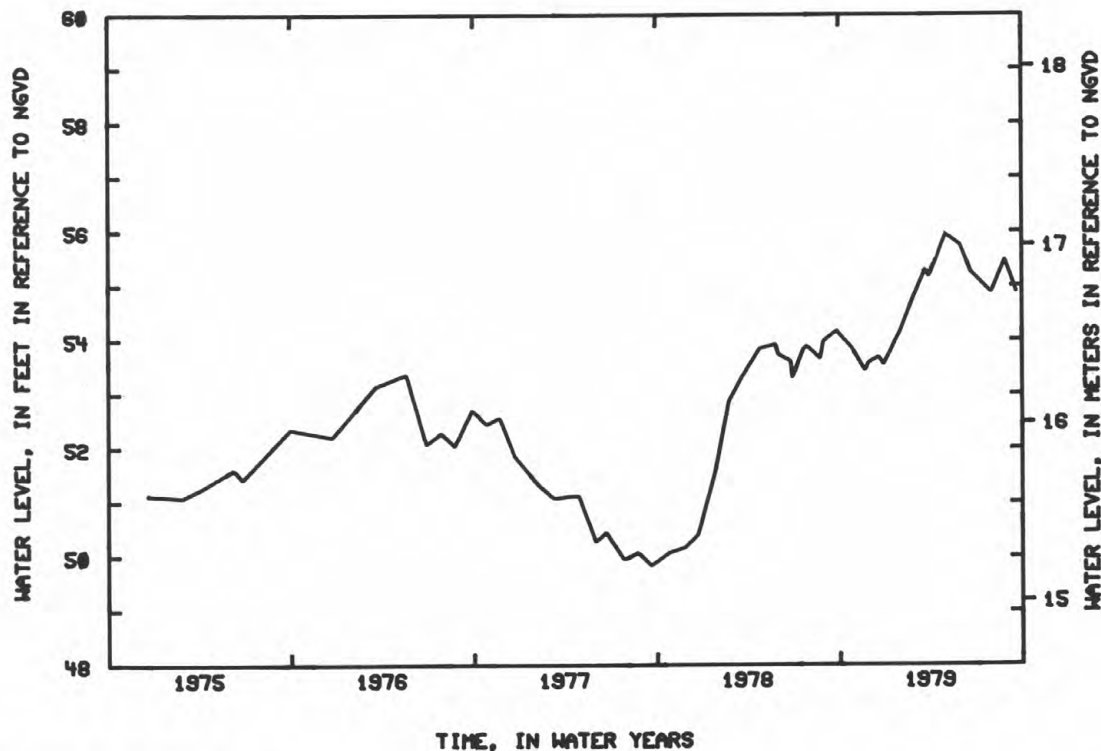
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for August 1965 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 55.93 ft (17.05 m) NGVD, May 2, 1979; lowest measured, 45.31 ft (13.81 m) NGVD, Mar. 7, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	53.85	DEC 19	53.69	JAN 30	54.13	MAR 28	55.17	MAY 30	55.75	AUG 28	55.48
NOV 22	53.43 G	29	53.54 G	FEB 28	54.80			JUN 21	55.25	SEP 20	54.88
29	53.58	JAN 29	54.12 G	MAR 21	55.30 G	MAY 2	55.93	JUL 31	54.87		

## S 24769



G MEASUREMENT BY ANOTHER AGENCY

## SUFFOLK COUNTY--continued

404819073160304. Local number, S 24770.

LOCATION.--Lat 40°48'19", long 73°16'03", Hydrologic Unit 02030202, at Vanderbilt Parkway and Wicks Road, Brentwood. Owner: U.S. Geological Survey.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 4 in (0.10 m), depth 434 ft (132 m), screened 424 to 434 ft (129 to 132 m).

DATUM.--Land-surface datum is 139.0 ft (42.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.01 ft (0.61 m) above land-surface datum.

REMARKS.--Water-quality records for 1965 are available in files of Long Island Sub-district office.

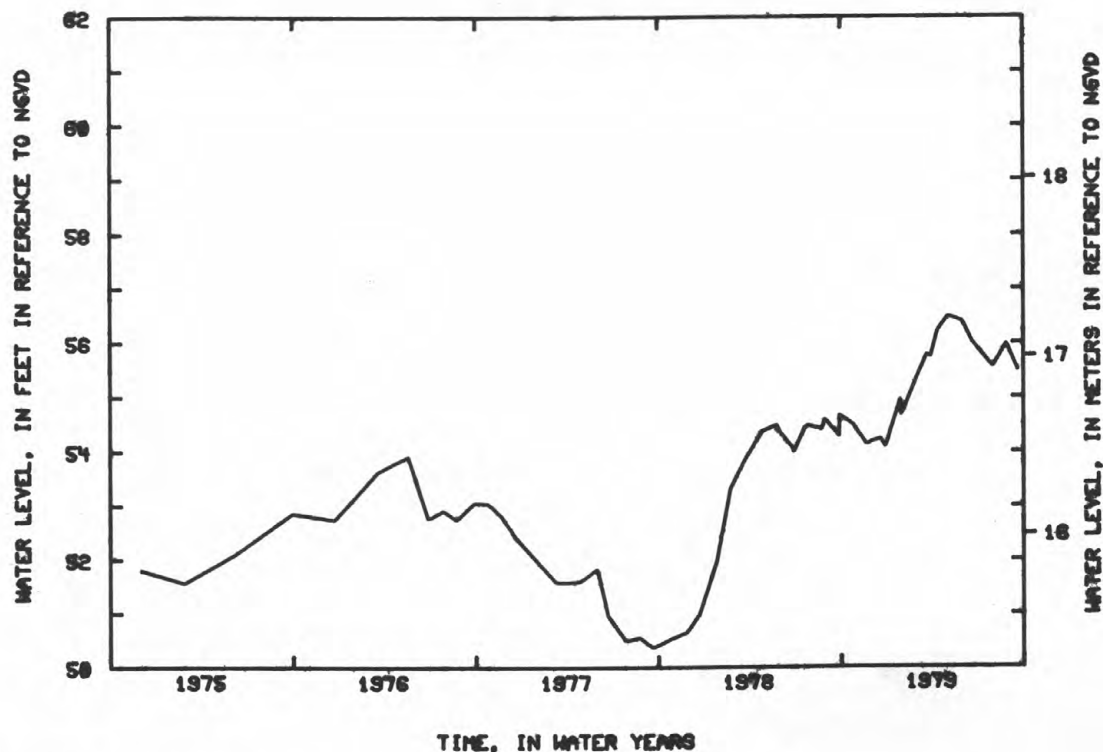
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for August 1965 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 56.48 ft (17.22 m) NGVD, May 2, 1979; lowest measured, 45.66 ft (13.92 m) NGVD, Mar. 7, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	54.48	DEC 19	54.24	JAN 30	54.65	MAR 28	55.73	MAY 2	56.48	JUL 31	55.54
NOV 22	54.12 G	29	54.08 G	FEB 28	55.29	APR 12	56.22 G	30	56.39	AUG 28	55.98
29	54.17	JAN 29	54.97 G	MAR 21	55.79 G	17	56.22 G	JUN 21	55.99	SEP 20	55.48

S 24770



G MEASUREMENT BY ANOTHER AGENCY

## GROUND-WATER LEVELS

181

## SUFFOLK COUNTY--continued

404820073160303. Local number, S 24771.

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

Owner: U.S. Geological Survey.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 4 in (0.10 m), depth 127 ft (39 m), screened 117 to 127 ft (36 to 39 m).

DATUM.--Land-surface datum is 139.0 ft (42.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.86 ft (0.57 m) above land-surface datum.

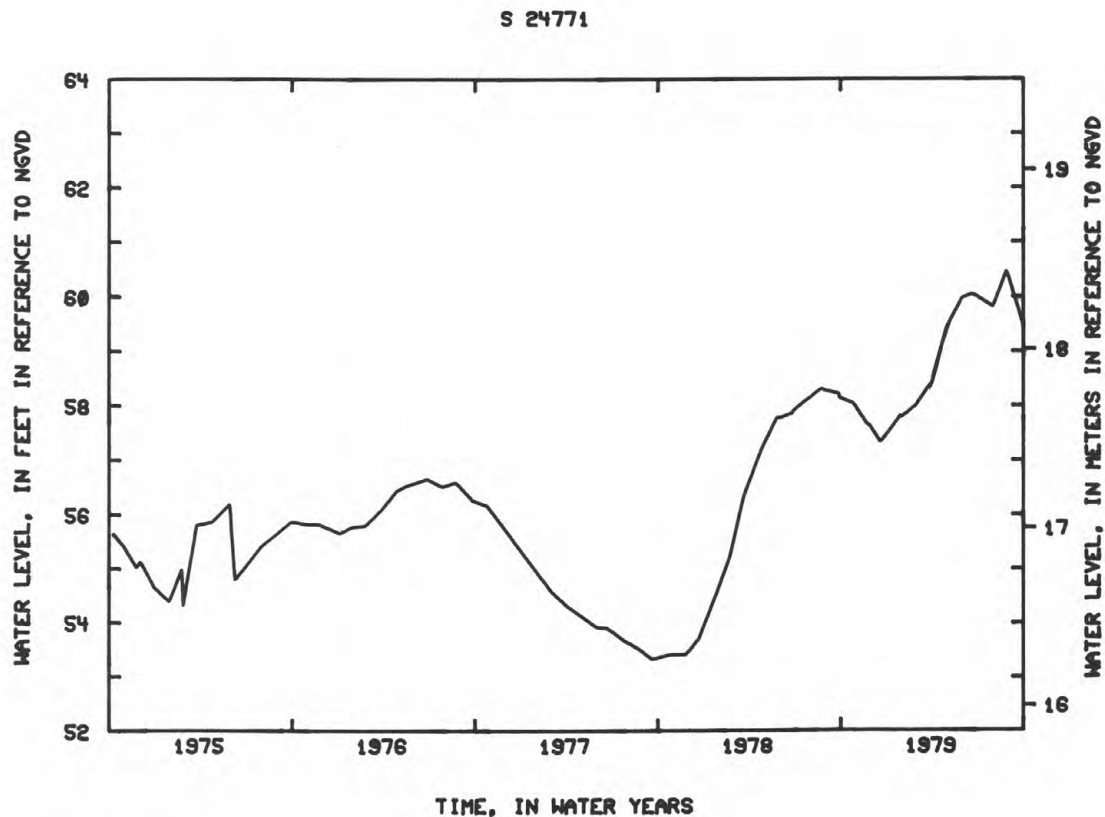
REMARKS.--Water-quality records for 1964-65 and 1972 are available in files of Long Island Sub-district office.

PERIOD OF RECORD.--August 1965 to current year. Unpublished records for August 1965 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 60.46 ft (18.43 m) NGVD, Aug. 28, 1979; lowest measured, 43.50 ft (13.26 m) NGVD, Nov. 30, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	58.03	DEC 19	57.32	JAN 30	57.78	MAR 28	58.38	MAY 2	59.49	JUL 31	59.80
NOV 22	57.66 G	29	57.43 G	FEB 28	57.99			30	59.97	AUG 28	60.46
29	57.61	JAN 29	57.82 G	MAR 21	58.31 G			JUN 21	60.04	SEP 28	59.54



G MEASUREMENT BY ANOTHER AGENCY



## SUFFOLK COUNTY--continued

404818073135802. Local number, S 24772.

LOCATION.--Lat 40°48'18", long 73°13'58", Hydrologic Unit 02030202, at Long Island Motor Parkway and Highland Road, Brentwood. Owner: U.S. Geological Survey.

AQUIFER.--Magothy.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in (0.10 m), depth 838 ft (255 m), screened 828 to 838 ft (252 to 255 m).

DATUM.--Land-surface datum is 117.0 ft (35.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.37 (1.03 m) above land-surface datum.

REMARKS.--Water-quality records for 1965 are available in files of Long Island Sub-district office.

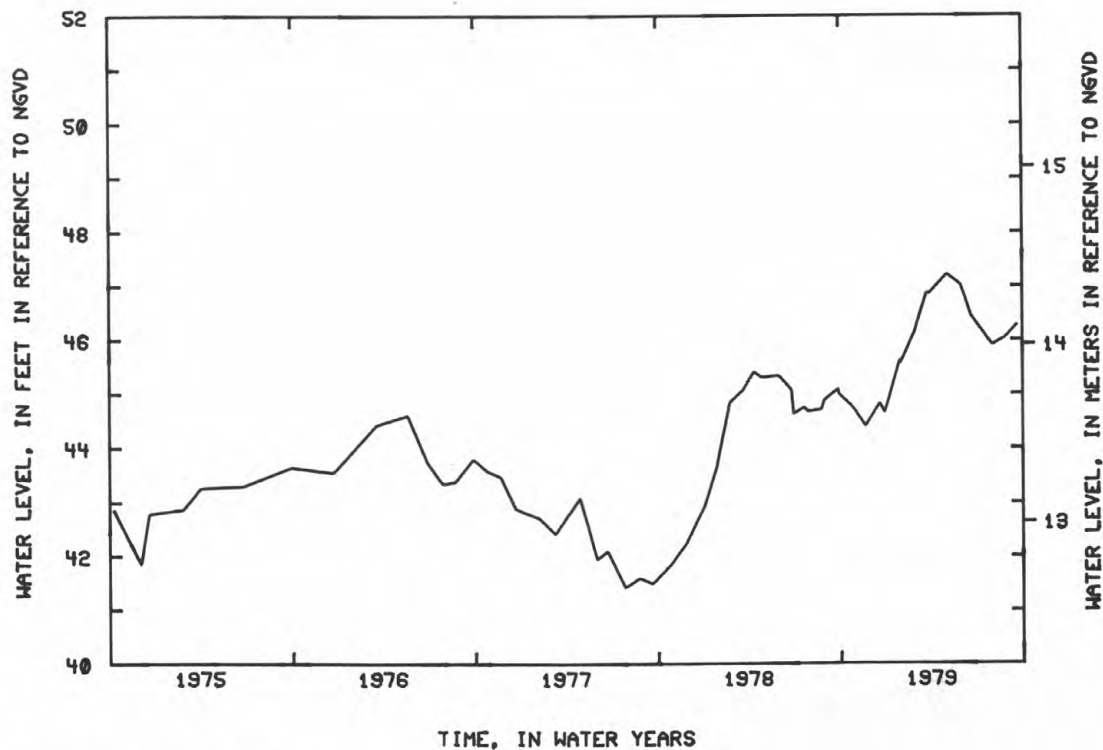
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for March 1966 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 47.21 ft (15.36 m) NGVD, May 2, 1979; lowest measured, 38.80 ft (11.83 m) NGVD, Mar. 7, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	44.74	DEC 19	44.82	JAN 30	45.55	MAR 28	46.86	MAY 30	47.00	AUG 28	46.04
NOV 21	44.39 G	29	44.64 G	FEB 28	46.14			JUN 20	46.43	SEP 20	46.27
29	44.52	JAN 29	45.62 G	MAR 22	46.86 G	MAY 2	47.21	AUG 1	45.89		

S 24772



G MEASUREMENT BY ANOTHER AGENCY

## SUFFOLK COUNTY--continued

404818073135904. Local number, S 24773.

LOCATION.--Lat 40°48'18", long 73°13'59", Hydrologic Unit 02030202, at Long Island Motor Parkway and Highland Road, Brentwood. Owner: U.S. Geological Survey.

AQUIFER.--Magothy.

WELL CHARACTERISTICS.--Drilled water-table observation well, diameter 4 in (0.10 m), depth 423 ft (129 m), screened 412 to 423 ft (126 to 129 m).

DATUM.--Land-surface datum is 118.0 ft (36.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.35 ft (0.72 m) above land-surface datum.

REMARKS.--Water-quality records for 1965 are available in files of Long Island Sub-district office.

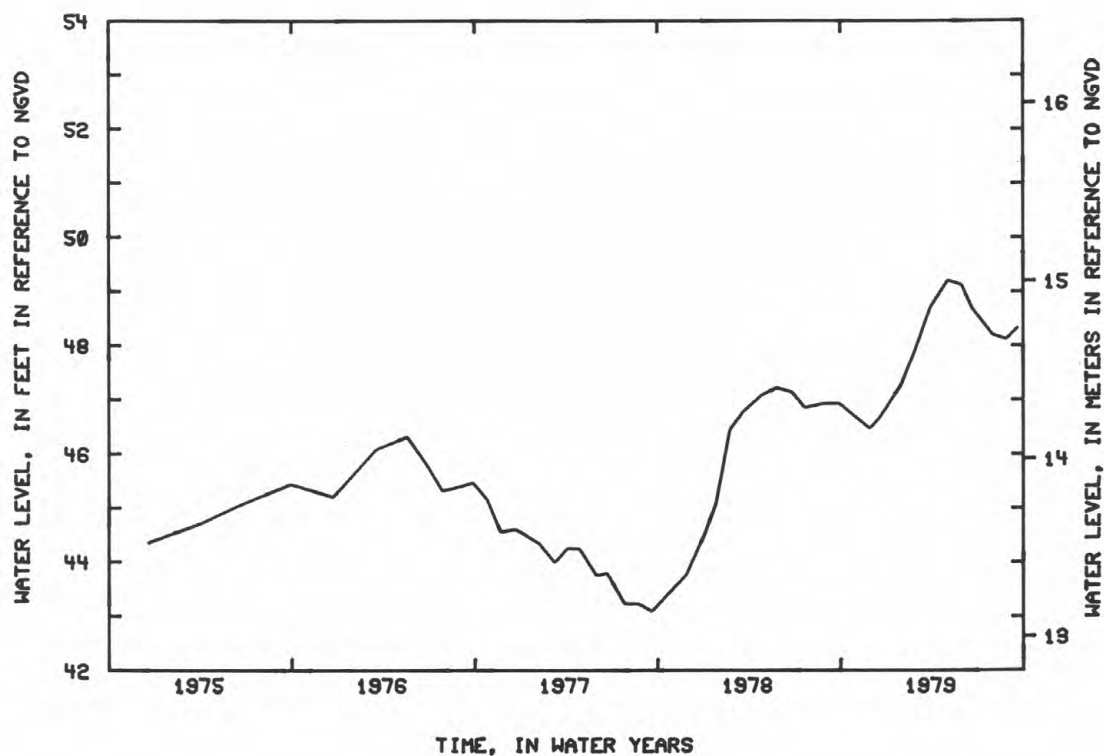
PERIOD OF RECORD.--March 1966 to current year. Unpublished records for March 1966 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 49.20 ft (15.00 m) NGVD, May 2, 1979; lowest measured, 40.05 ft (12.21 m) NGVD, Mar. 7, 1966.

## WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	46.71	DEC 19	46.67	FEB 28	47.90	MAY 2	49.20	JUN 21	48.68	AUG 28	48.11
NOV 29	46.46	JAN 30	47.26	MAR 28	48.70	MAY 30	49.12	AUG 1	48.19	SEP 20	48.32

S 24773



GROUND-WATER LEVELS  
SUFFOLK COUNTY--continued

404818073135906. Local number, S 24774.

LOCATION.--Lat 40°48'18", long 73°13'59", Hydrologic Unit 02030202, at Long Island Motor Parkway and Highland Road, Brentwood. Owner: U.S. Geological Survey.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 4 in (0.10 m), depth 110 ft (34 m), screened 100 to 110 ft (30 to 36 m).

DATUM.--Land-surface datum is 118.0 ft (36.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.32 ft (0.71 m) above land-surface datum.

REMARKS.--Water-quality records for 1965 are available in files of Long Island Sub-district office.

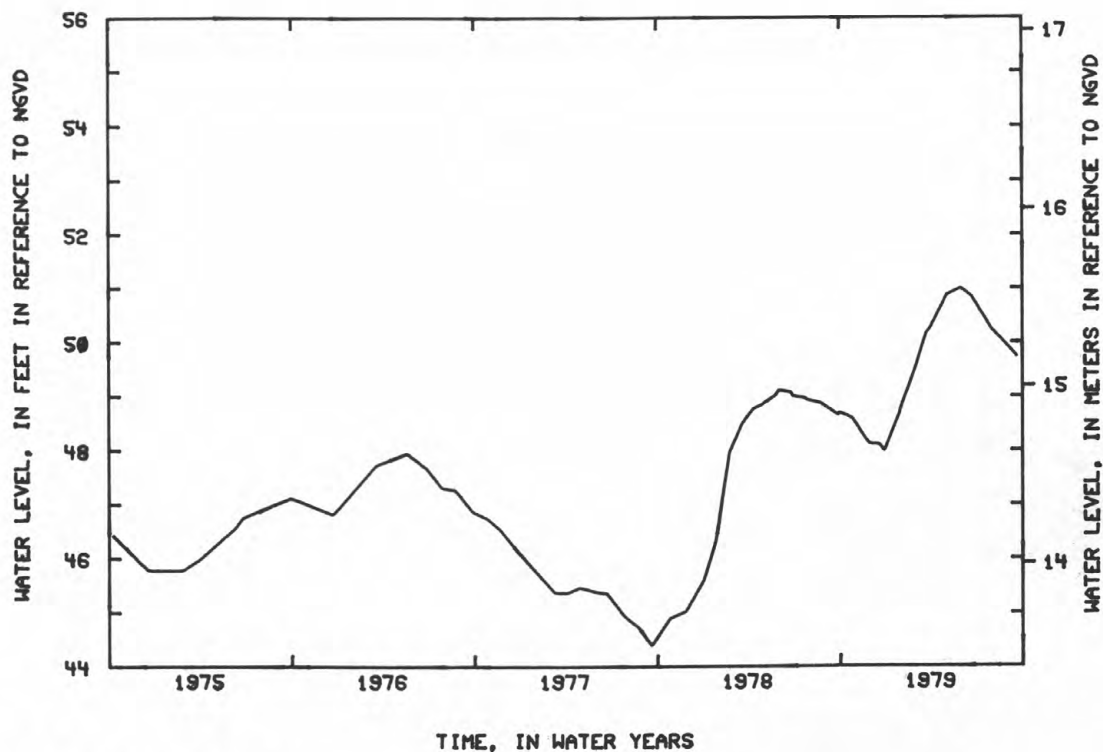
PERIOD OF RECORD.--March 1966 to current year. Unpublished records for March 1966 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 50.99 ft (15.54 m) NGVD, May 30, 1979; lowest measured, 41.35 ft (12.60 m) NGVD, Mar. 7, 1966.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	48.58	DEC 19	48.10	JAN 30	48.75	MAR 28	50.23	JUN 21	50.83	AUG 28	49.95
NOV 21	48.21 G	29	47.97 G	FEB 28	49.46	MAY 2	50.87	AUG 1	50.21	SEP 20	49.72
29	48.11	JAN 29	48.69 G	MAR 22	50.17 G	30	50.99				

S 24774



G MEASUREMENT BY ANOTHER AGENCY

## SUFFOLK COUNTY--continued

404603073214803. Local number, S 27739.

LOCATION.--Lat 40°46'03", long 73°21'48", Hydrologic Unit 02030202, at Landscape Drive, near Seamans Road, Wyandanch. Owner: U.S. Geological Survey.

AQUIFER.--Magothy.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in (0.10 m), depth 850 ft (259 m), screened 840 to 850 ft (256 to 259 m).

DATUM.--Land-surface datum is 139.0 ft (42.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.37 ft (0.72 m) above land-surface datum.

REMARKS.--Water-quality records for 1966 and 1974 are available in files of Long Island Sub-district office.

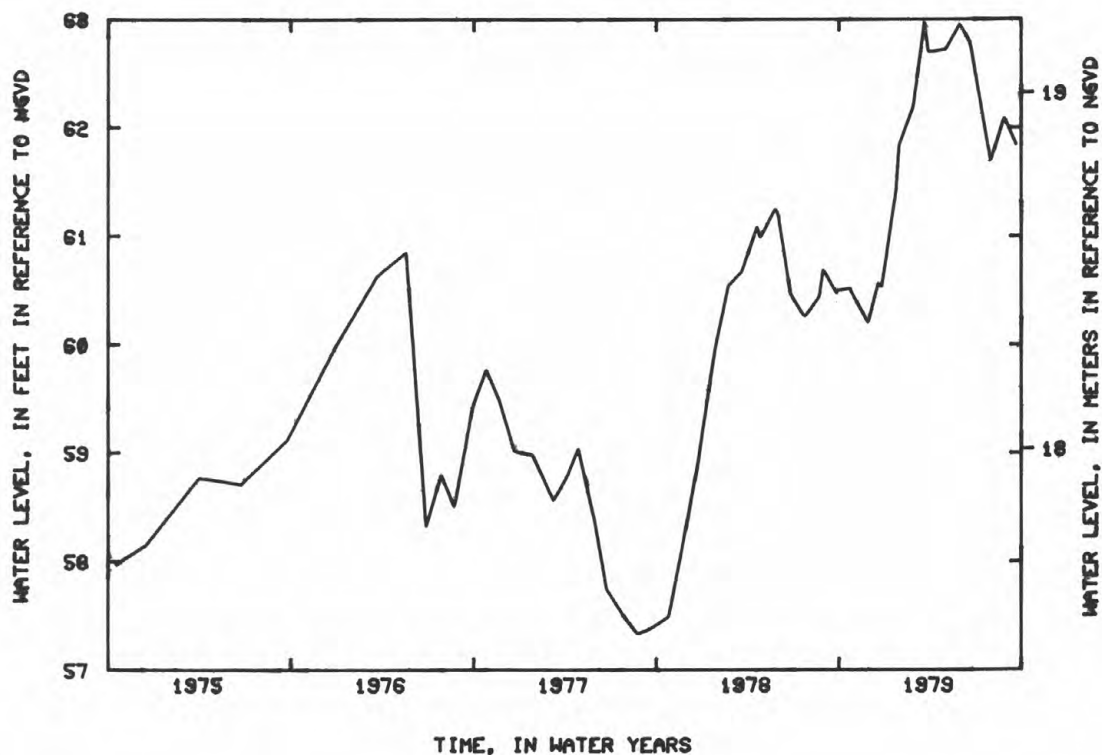
PERIOD OF RECORD.--May 1966 to current year. Unpublished records for May 1966 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 62.97 ft (19.19 m) NGVD, Mar. 20, 1979; lowest measured, 50.85 ft (15.50 m) NGVD, Feb. 15, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	60.52 G	DEC 19	60.57	JAN 30	61.83	MAR 28	62.69	JUN 20	62.78	AUG 28	62.09
26	60.48	24	60.53 G	FEB 28	62.19	MAY 2	62.72	JUL 31	61.69	SEP 21	61.84
NOV 29	60.20	JAN 24	61.42 G	MAR 20	62.97 G	30	62.95				

S 27739



G MEASUREMENT BY ANOTHER AGENCY

## GROUND-WATER LEVELS

SUFFOLK COUNTY--continued

404603073214804. Local number, S 27740.

LOCATION.--Lat 40°46'03", long 73°21'48", Hydrologic Unit 02030202, at Landscape Drive, near Seamans Road, Wyandanch. Owner: U.S. Geological Survey.

AQUIFER.--Magothy.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 4 in (0.10 m), depth 429 ft (131 m), screened 419 to 429 ft (128 to 131 m).

DATUM.--Land-surface datum is 139.0 ft (42.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.85 ft (0.87 m) above land-surface datum.

REMARKS.--Water-quality records for 1966 and 1974 are available in files of Long Island Sub-district office.

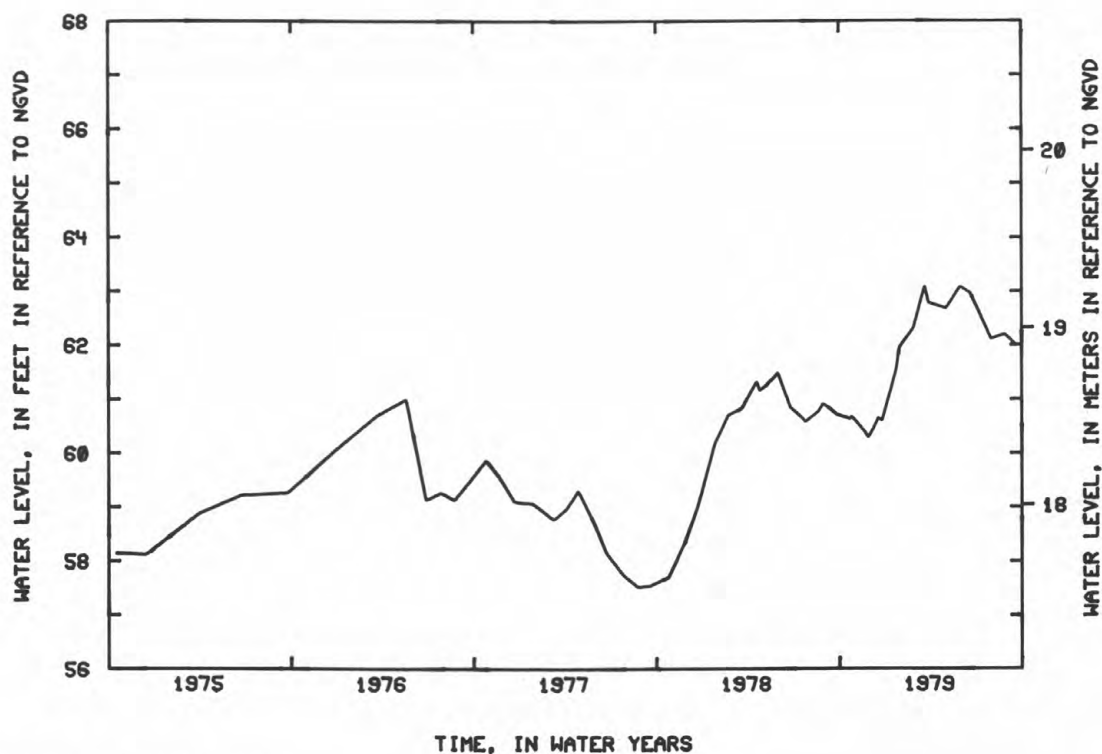
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for July 1966 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 63.09 ft (19.23 m) NGVD, Mar. 20, 1979; lowest measured, 51.08 ft (15.57 m) NGVD, Feb. 15, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	60.63 G	NOV 29	60.28	JAN 24	61.55 G	MAR 20	63.09 G	MAY 30	63.08	AUG 28	62.19
26	60.68	DEC 19	60.66	30	61.95	28	62.77	JUN 20	62.95	SEP 21	61.97
NOV 21	60.40 G	26	60.60 G	FEB 28	62.31	MAY 2	62.67	JUL 31	62.10		

S 27740



G MEASUREMENT BY ANOTHER AGENCY

GROUND-WATER LEVELS  
SUFFOLK COUNTY--continued

187

404603073214804. Local number, S 28449.

LOCATION.--Lat 40°46'03", long 73°21'48", Hydrologic Unit 02030202, at Landscape Drive, near Seamans Road, Wyandanch. Owner: U.S. Geological Survey.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Driven observation water-table well, diameter 2 in (0.05 m), depth 98 ft (30 m), screened 95 to 98 ft (29 to 30 m).

DATUM.--Land-surface datum is 140.0 ft (42.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.18 ft (0.36 m) above land-surface datum.

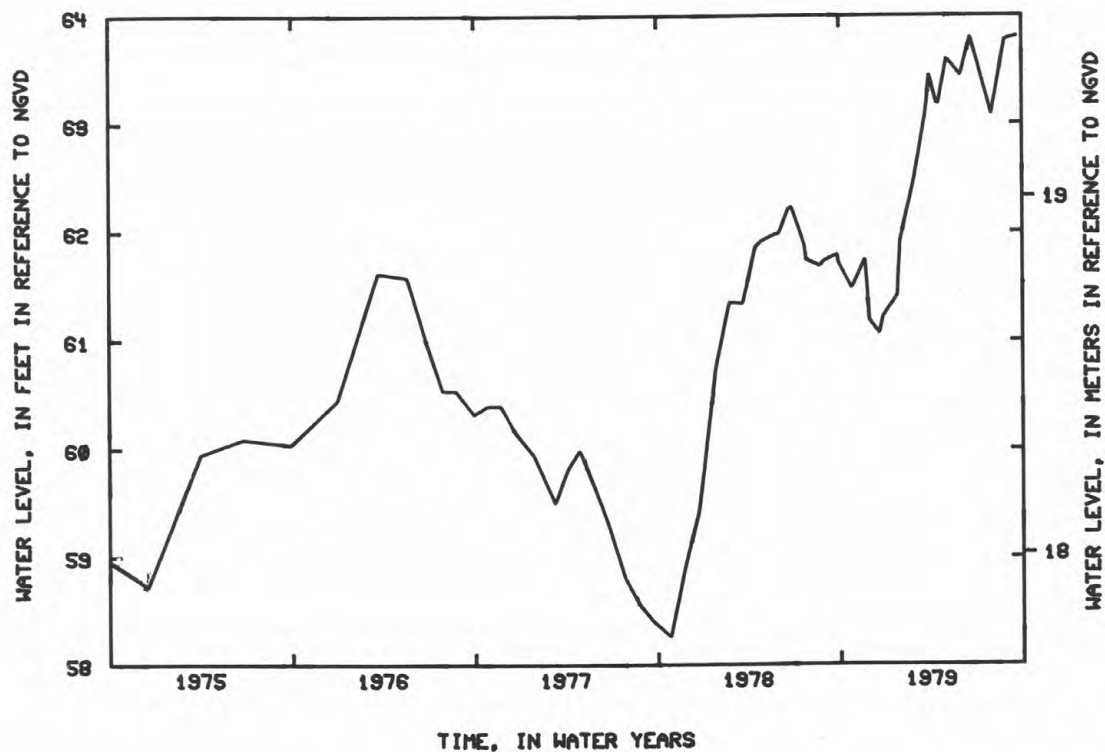
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for May 1967 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 63.81 ft (19.45 m) NGVD, Sept. 21, 1979; lowest measured, 51.78 ft (15.78 m) NGVD, June 29, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	61.48 G	DEC 19	61.06	JAN 30	61.92	MAR 28	63.45	MAY 2	63.60	JUL 31	63.08
26	61.49	26	61.22 G	FEB 28	62.49	APR 12	63.18 G	30	63.44	AUG 28	63.78
NOV 21	61.75 G	JAN 24	61.41 G	MAR 20	63.08 G	16	63.18 G	JUN 20	63.80	SEP 21	63.81
29	61.18										

S 28449



G MEASUREMENT BY ANOTHER AGENCY

GROUND-WATER LEVELS  
SUFFOLK COUNTY--continued

404703073264201. Local number, S 29776.

LOCATION.--Lat 40°47'03", long 73°26'42", Hydrologic Unit 02030202, at Round Swamp Road, near Long Island Expressway, Melville. Owner: U.S. Geological Survey.

AQUIFER.--Magothy.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 4 in (0.10 m), depth 720 ft (219 m), screened 710 to 720 ft (216 to 219 m).

DATUM.--Land-surface datum is 193.0 ft (58.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.44 ft (0.74 m) above land-surface datum.

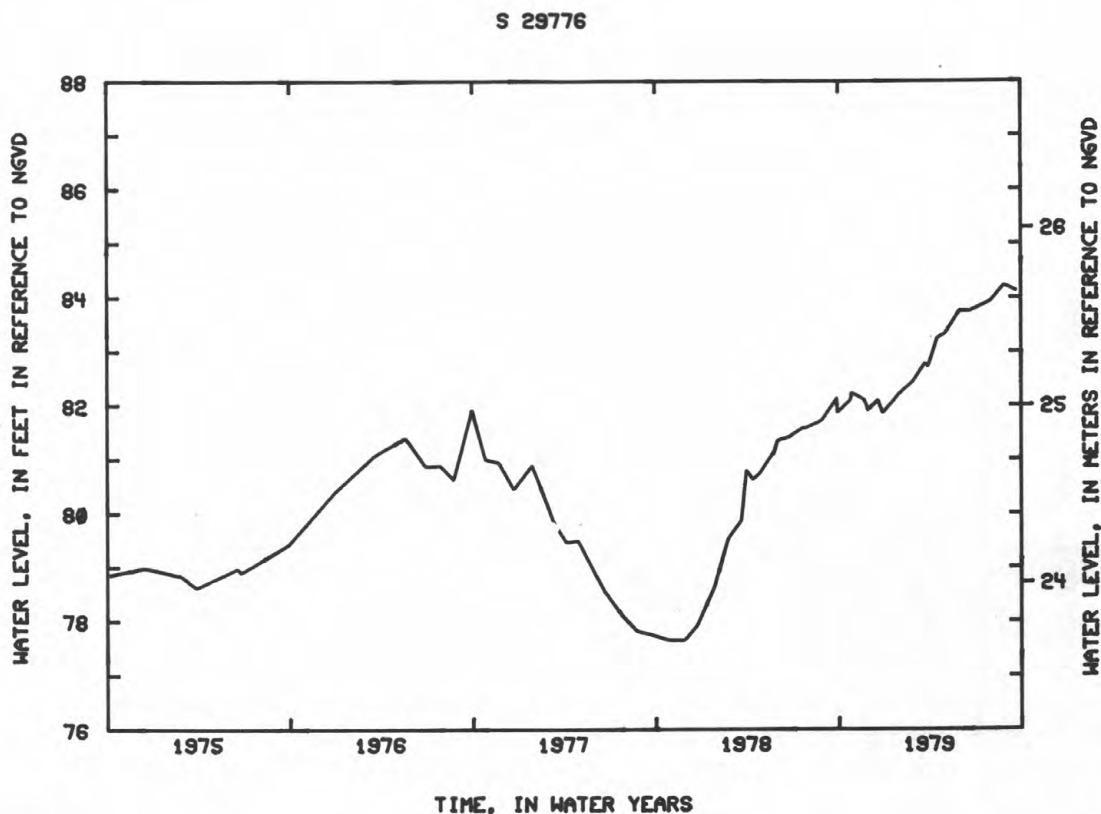
REMARKS.--Water-quality records for 1974 and 1976 are available in files of Long Island Sub-district office.

PERIOD OF RECORD.--October 1975 to current year. Unpublished records for May 1967 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 84.22 ft (25.67 m) NGVD, Aug. 28, 1979; lowest measured, 67.64 ft (20.62 m) NGVD, June 27, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	82.10 G	NOV 29	81.90	JAN 26	82.15 G	MAR 22	82.77 G	MAY 2	83.33	JUL 31	83.92
26	82.23	DEC 19	82.09	30	82.20	28	82.71	30	83.75	AUG 28	84.22
NOV 22	82.09 G	28	81.84 G	FEB 28	82.43	APR 16	83.24 G	JUN 20	83.74	SEP 21	84.11



G MEASUREMENT BY ANOTHER AGENCY



## SUFFOLK COUNTY--continued

404703073264202. Local number, S 29777.

LOCATION.--Lat 40°47'03", long 73°26'42", Hydrologic Unit 02030202, at Round Swamp Road, near Long Island Expressway, Melville. Owner: U.S. Geological Survey.

AQUIFER.--Magothy.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in (0.10 m), depth 397 ft (121 m), screened 387 to 397 ft (118 to 121 m).

DATUM.--Land-surface datum is 193.0 ft (58.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.80 ft (0.55 m) above land-surface datum.

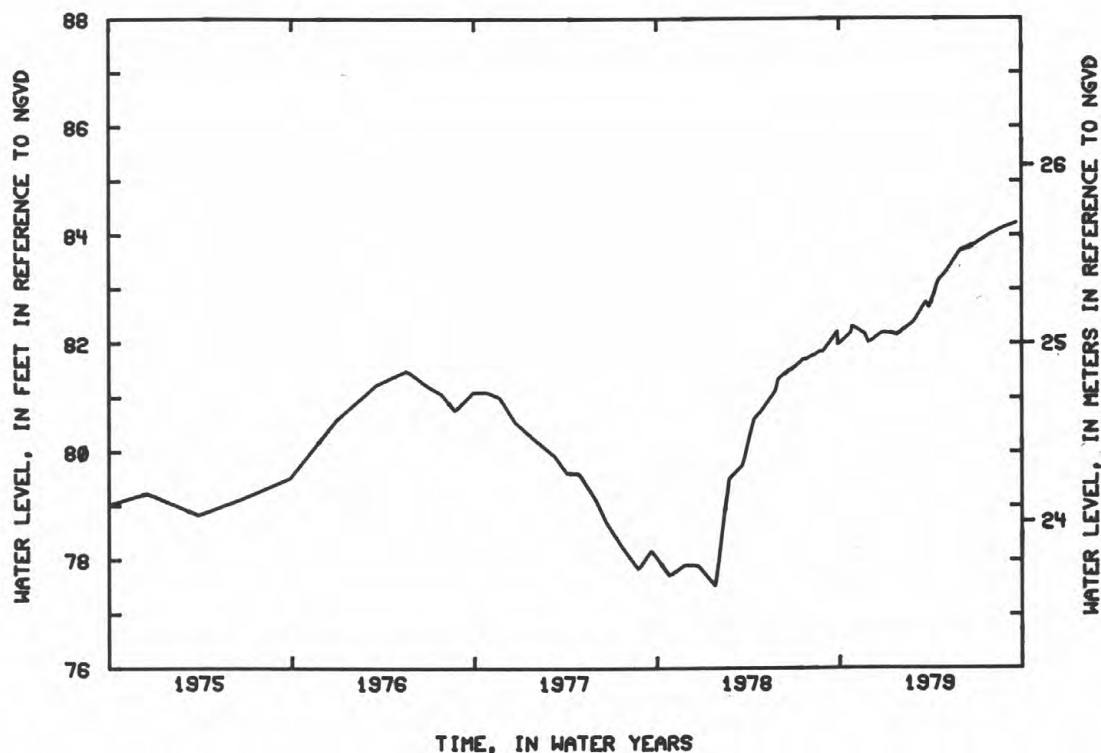
REMARKS.--Water-quality records for 1967, 1974, 1976 are available in files of Long Island Sub-district office. PERIOD OF RECORD.--October 1975 to current year. Unpublished records for May 1967 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 84.22 ft (25.67 m) NGVD, Sept. 21, 1979; lowest measured, 67.90 ft (20.70 m) NGVD, May 1, 1967:

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	82.20 G	DEC 19	82.15	JAN 30	82.19	MAR 28	82.64	MAY 30	83.72	JUL 31	84.02
26	82.32	28	82.20 G	FEB 28	82.39	APR 16	83.15 G			AUG 28	84.14
NOV 22	82.16 G	JAN 26	82.15 G	MAR 22	82.76 G	MAY 2	83.32	20	83.78	SEP 21	84.22
29	82.00										

## S 29777



G MEASUREMENT BY ANOTHER AGENCY

GROUND-WATER LEVELS  
SUFFOLK COUNTY--continued

404703073264205. Local number, S 29778.

LOCATION.--Lat 40°47'03", long 73°26'42", Hydrologic Unit 02030202, at Round Swamp Road, near Long Island Expressway, Melville. Owner: U.S. Geological Survey.

AQUIFER.--Magothy.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 4 in (0.10 m), depth 168 ft (51 m), screened 158 to 168 ft (48 to 51 m).

DATUM.--Land-surface datum is 193.0 ft (58.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.17 ft (0.66 m) above land-surface datum.

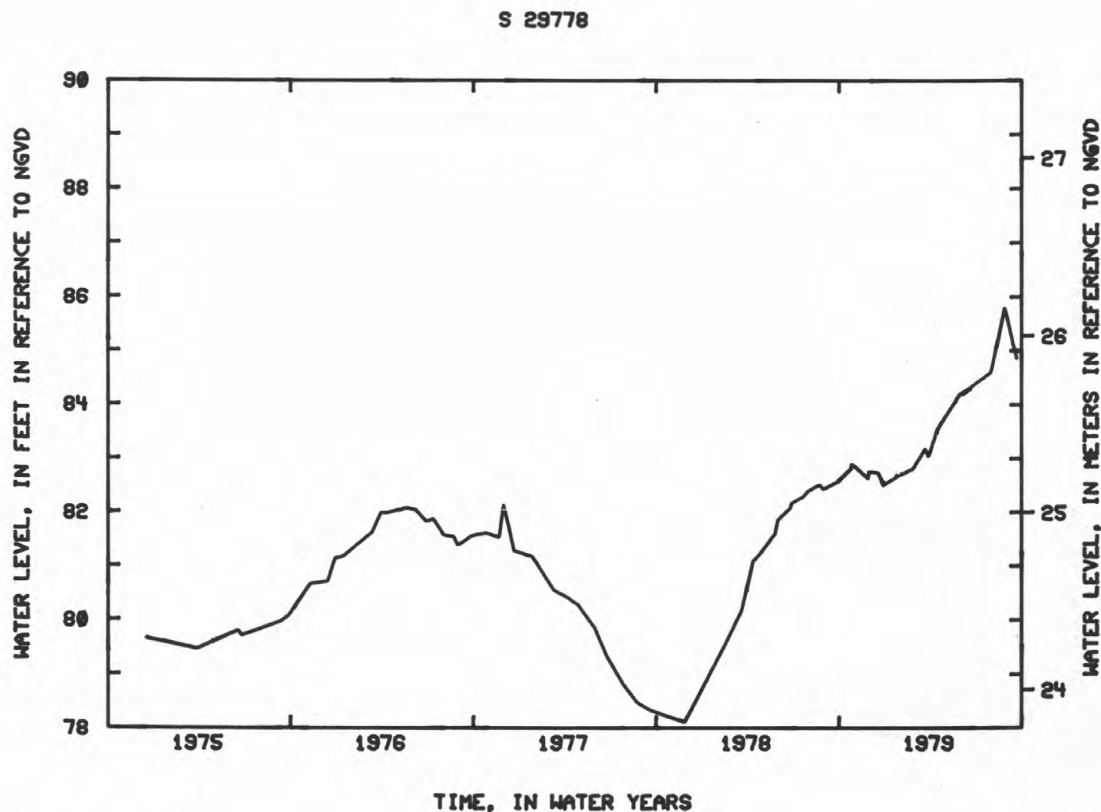
REMARKS.--Water-quality records for 1967, 1972, 1974-78, are available in files of Long Island Sub-district office; those for 1979 are published elsewhere in this report.

PERIOD OF RECORD.--October 1975 to current year. Unpublished records for May 1967 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 85.79 ft (26.15 m) NGVD, Aug. 28, 1979; lowest measured, 68.27 ft (20.81 m) NGVD, June 27, 1967.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	82.81 G	DEC 19	82.73	JAN 30	82.68	MAR 28	83.03	MAY 30	84.18	JUL 31	84.59
26	82.90			FEB 28	82.81	APR 16	83.55 G	JUN		AUG 28	85.79
NOV 29	82.62	JAN 24	83.92 G	MAR 22	83.18 G	MAY 2	83.79	20	84.31	SEP 21	84.84
30	82.76 G										



G MEASUREMENT BY ANOTHER AGENCY

## GROUND-WATER LEVELS

191

## SUFFOLK COUNTY--continued

405455073025802. Local number, S 31734.

LOCATION.--Lat 40°54'55", long 73°02'58", Hydrologic Unit 02030202, at Jayne Boulevard, 0.7 mi (1.1 km) south of State Highway 347, Terryville. Owner: Suffolk County Water Authority.

AQUIFER.--Lloyd.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 6 in (0.15 m), depth 1,095 ft (334 m), screened 1,069 to 1,090 ft (326 to 332 m).

DATUM.--Land-surface datum is 165.0 ft (50.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 1.25 in (0.03 m) hole in reducer 1.74 ft (0.53 m) above land-surface datum.

REMARKS.--Water-quality records for 1972 are available in files of Long Island Sub-district office.

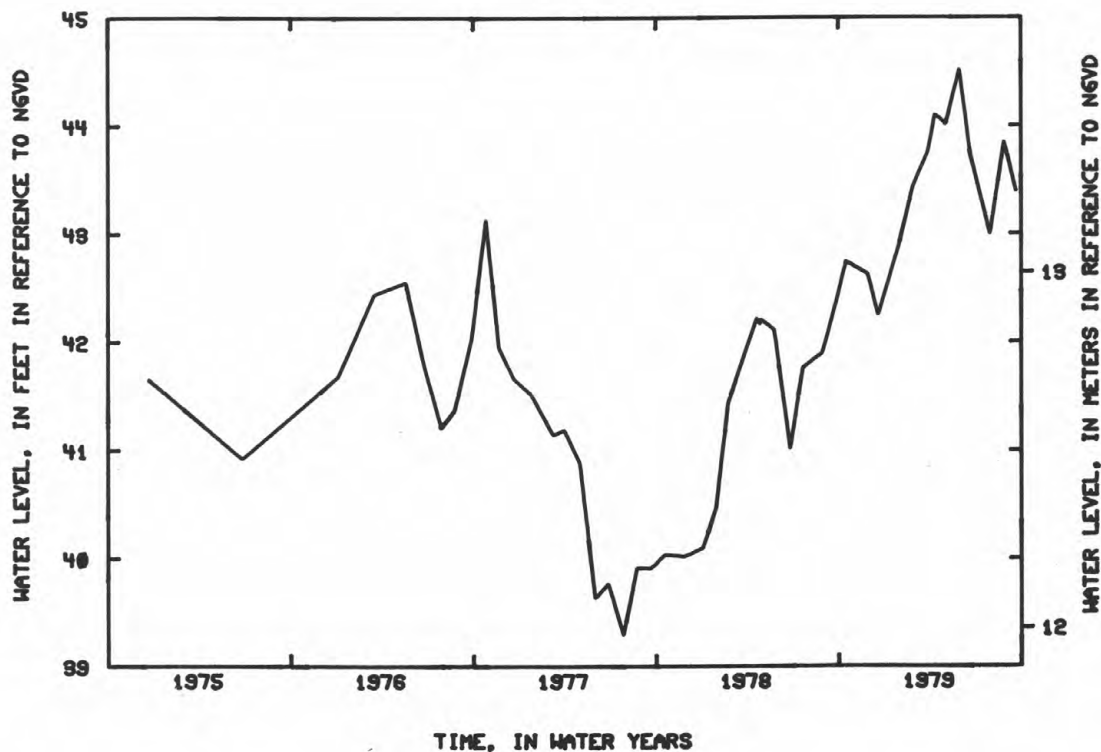
PERIOD OF RECORD.--October 1975 to current year. Unpublished records for December 1970 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 44.52 ft (13.57 m) NGVD, May 30, 1979; lowest measured, 37.41 ft (11.40 m) NGVD, Mar. 20, 1972.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	42.74	JAN 30	42.89	MAR 27	43.75	MAY 2	44.01	JUN 21	43.73	AUG 28	43.85
NOV 29	42.62	FEB 28	43.44	APR 11	44.10	MAY 30	44.52	JUL 30	42.99	SEP 21	43.39
DEC 19	42.24										

S 31734



## GROUND-WATER LEVELS

SUFFOLK COUNTY--continued

405452073025702. Local number, S 32895.

LOCATION.--Lat 40°54'52", long 73°02'57", Hydrologic Unit 02030202, at Jayne Boulevard, 0.7 mi (1.1 km) south of State Highway 347, Terryville. Owner: Suffolk County Water Authority.

AQUIFER.--Magothy.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in (0.10 m), depth 845 ft (258 m), screened 840 to 845 ft (2356 to 258 m).

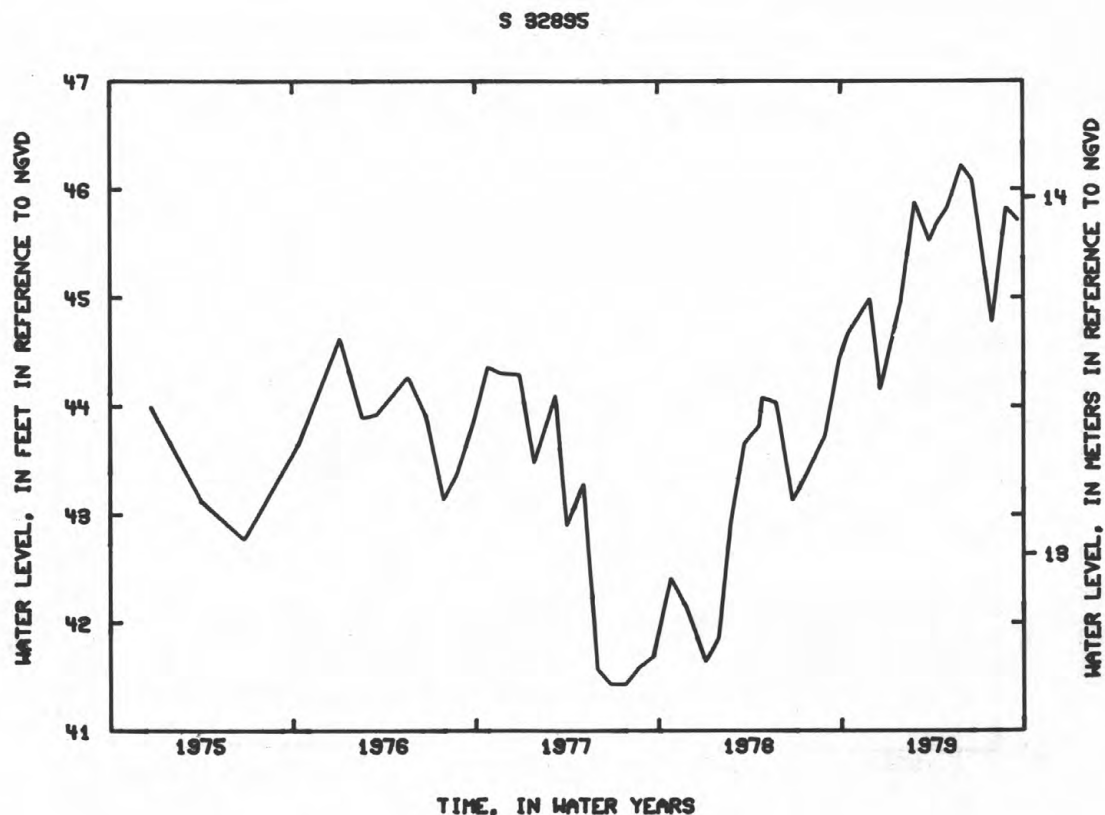
DATUM.--Land-surface datum is 165.0 ft (50.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 1.92 ft (0.58 m) above land-surface datum.

PERIOD OF RECORD.--October 1975 to current year. Unpublished records for March 1970 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water-level measured, 46.22 ft (14.09 m) NGVD, May 30, 1979; lowest measured, 38.88 ft (11.85 m) NGVD, July 26, 1971.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	44.67	JAN 30	44.96	MAR 27	45.52	MAY 2	45.83	JUN 21	46.08	AUG 28	45.83
NOV 29	44.99	FEB 28	45.38	APR 11	45.68	30	46.22	JUL 30	44.77	SEP 21	45.71
DEC 19	44.16										



GROUND-WATER LEVELS  
SUFFOLK COUNTY--continued

193

404932073055901. Local number, S 33379.

LOCATION.--Lat 40°49'32", long 73°05'59", Hydrologic Unit 02030202, at Duncun Avenue and Portion Road, Lake Ronkonkoma. Owner: Suffolk County Water Authority.

AQUIFER.--Lloyd.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in (0.10 m), depth 1,305 ft (398 m), screened 1,290 to 1,300 ft (393 to 396 m).

DATUM.--Land-surface datum is 134.0 ft (40.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.34 ft (0.71 m) above land-surface datum.

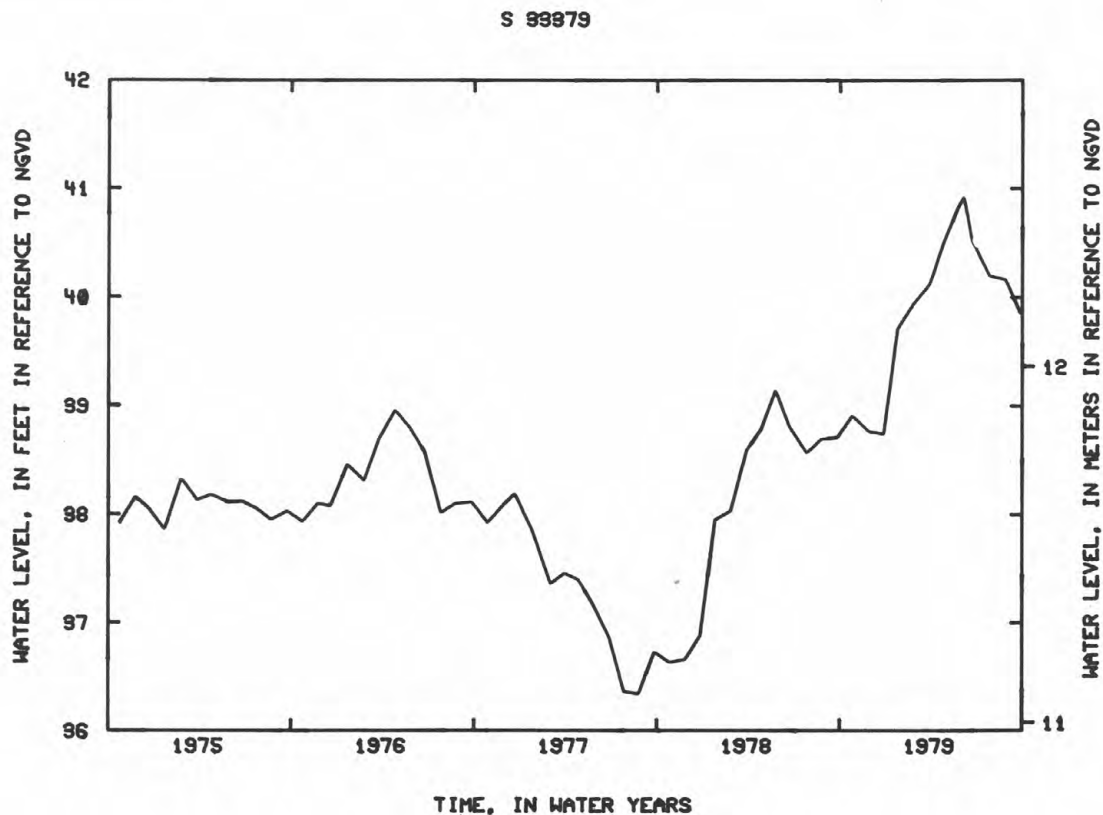
REMARKS.--Water-quality records for 1968 are available in files of Long Island Sub-district office.

PERIOD OF RECORD.--October 1975 to current year. Unpublished records for October 1968 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 40.92 ft (12.47 m) NGVD, Jun. 5, 1979; lowest measured, 34.13 ft (10.40 m) NGVD, Oct. 11, 1968.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	38.91	JAN 25	39.71	MAR 29	40.12	MAY 24	40.82	JUN 22	40.52	AUG 28	40.16
NOV 29	38.76	FEB 27	39.94	APR 25	40.49	JUN 5	40.92	JUL 27	40.19	SEP 27	39.85
DEC 28	38.74										



## SUFFOLK COUNTY--continued

404932073055902. Local number, S 33380.

LOCATION.--Lat 40°49'32", long 73°05'59", Hydrologic Unit 02030202, at Duncun Avenue and Portion Road, Lake Ronkonkoma. Owner: Suffolk County Water Authority.

AQUIFER.--Magothy.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 4 in (0.10 m), depth 850 ft (259 m), screened 840 to 850 ft (256 to 259 m).

DATUM.--Land-surface datum is 133.5 ft (40.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.13 ft (0.65 m) above land-surface datum.

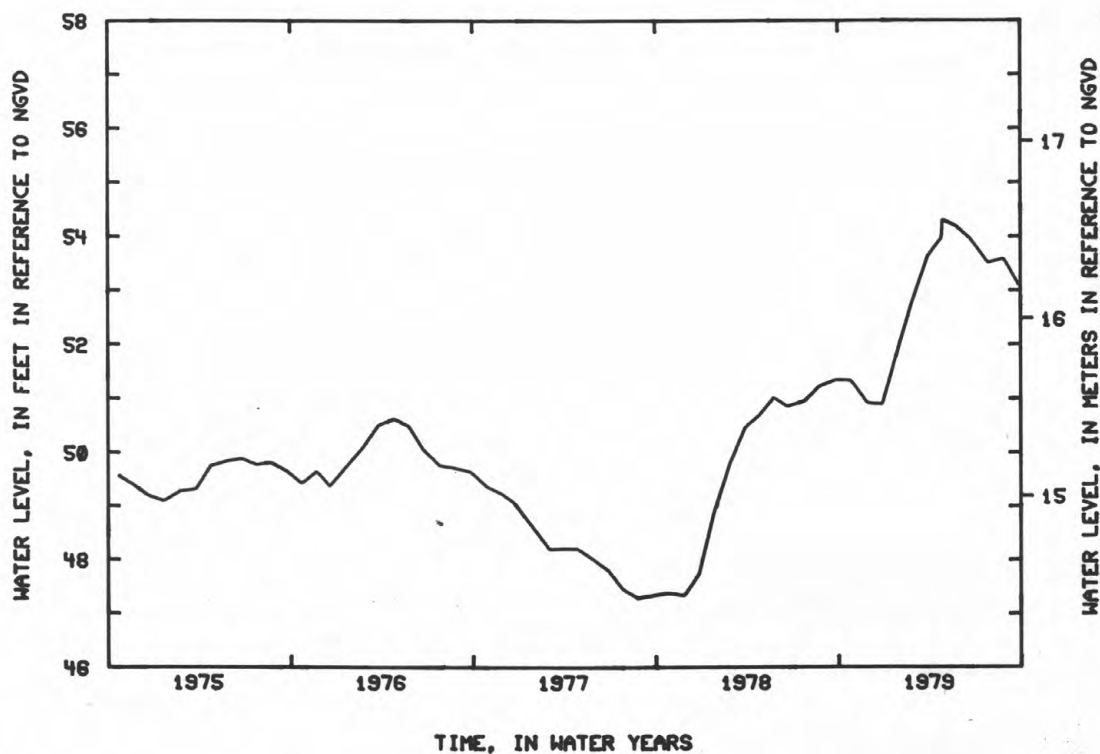
REMARKS.--Water-quality records for 1968 and 1976 are available in files of Long Island Sub-district office. PERIOD OF RECORD.--October 1975 to current year. Unpublished records for October 1968 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 54.30 ft (16.55 m) NGVD, Apr. 27, 1979; lowest measured, 45.16 ft (13.76 m) above NGVD, Dec. 5, 1969.

## WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	51.33	JAN 25	51.78	MAR 29	53.64	APR 27	54.30	JUN 22	53.95	AUG 28	53.58
NOV 29	50.91	FEB 27	52.78	APR 25	53.97	MAY 24	54.18	JUL 27	53.50	SEP 27	53.09
DEC 28	50.89										

S 33380



GROUND-WATER LEVELS  
SUFFOLK COUNTY--continued

195

405517072574902. Local number, S 34892.

LOCATION.--Lat 40°55'17", long 72°57'49", Hydrologic Unit 02030202, at Radio Avenue, 1.3 mi (2.1 km) south of State Highway 25A, Rocky Point. Owner: Suffolk County Water Authority.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 6 in (0.15 m), depth 138 ft (42 m), screened 124 to 138 ft (38 to 42 m).

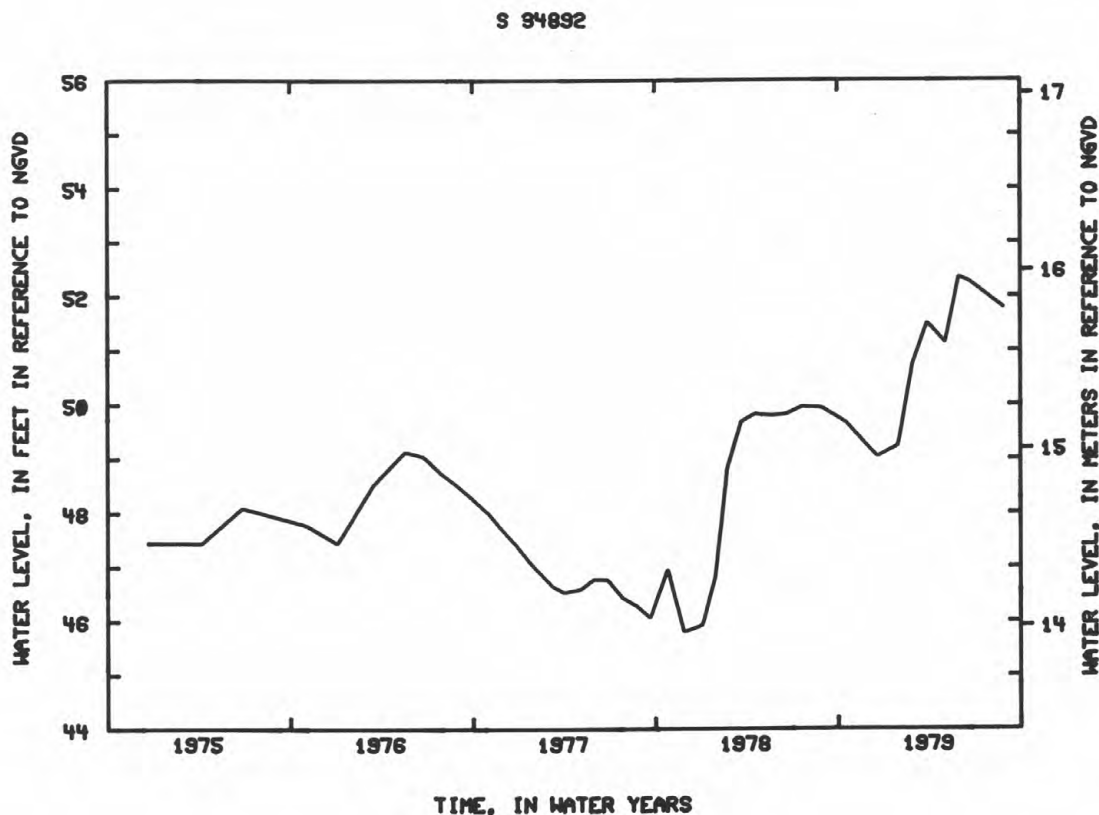
DATUM.--Land-surface datum is 122.5 ft (37.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.68 ft (0.21 m) above land-surface datum.

PERIOD OF RECORD.--October 1975 to current year. Unpublished records for July 1970 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 52.35 ft (15.96 m) NGVD, May 30, 1979; lowest measured, 42.17 ft (12.85 m) NGVD, Mar. 21, 1972.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	49.66	DEC 19	49.03	FEB 28	50.73	MAY 2	51.13	JUN 21	52.26	AUG 28	51.78
NOV 29	49.23	JAN 30	49.24	MAR 27	51.50	MAY 30	52.35	JUL 30	51.98		





## SUFFOLK COUNTY--continued

405517072574903. Local number, S 34894.

LOCATION.--Lat 40°55'17", long 72°57'49", Hydrologic Unit 02030202, at Radio Avenue, 1.3 mi (2.1 km) south of State Highway 25A, Rocky Point. Owner: Suffolk County Water Authority.

AQUIFER.--Magothy.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 12 in (0.30 m), depth 745 ft (227 m), screened 698 to 745 ft (213 to 227 m).

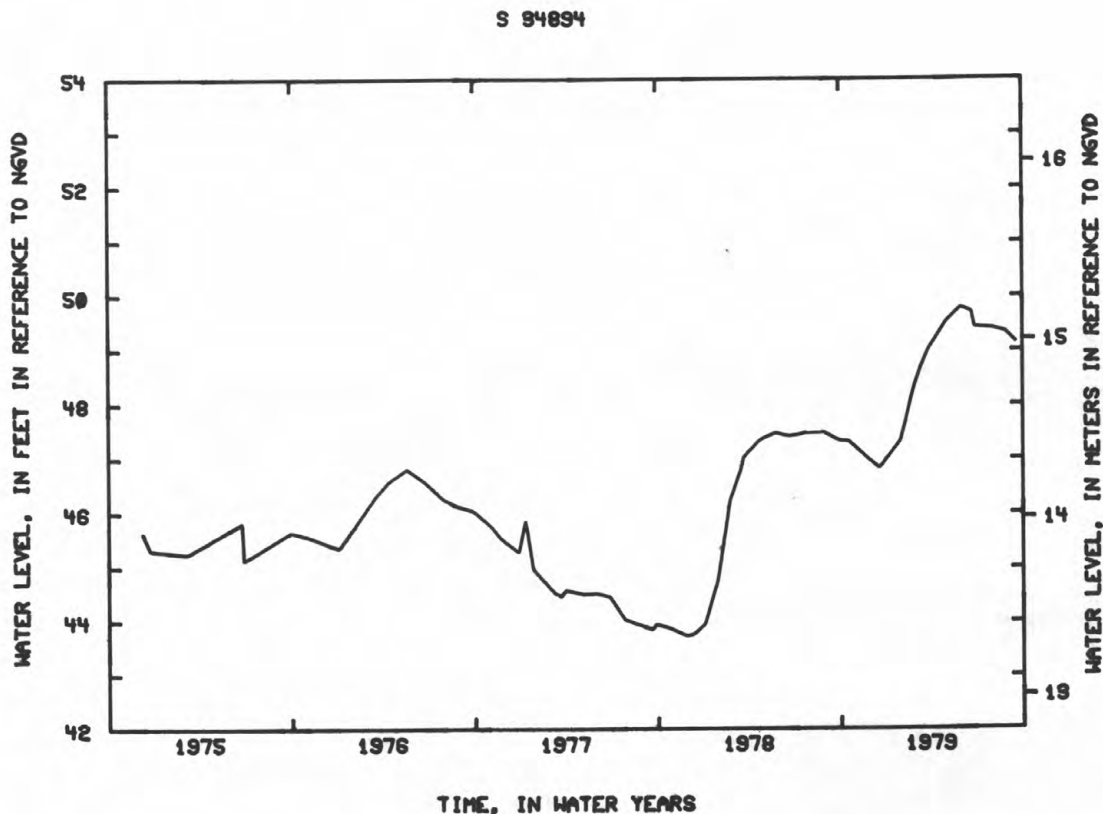
DATUM.--Land-surface datum is 124.0 ft (37.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in (0.05 m) nipple, 3.82 ft (1.16 m) above land-surface datum.

PERIOD OF RECORD.--October 1975 to current year. Unpublished records for March 1970 to September 1975 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 49.78 ft (15.17 m) NGVD, May 30, 1979; lowest measured, 40.56 ft (12.36 m) NGVD, Mar. 15, 1972.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	47.32	JAN 30	47.32	MAR 12	48.71 G	MAY 30	49.78	JUN 27	49.41 G	AUG 28	49.32
NOV 29	46.97	31	47.34 G	27	49.02	JUN 21	49.70	JUL 30	49.39	SEP 18	49.13
DEC 19	46.82	FEB 28	48.33	MAY 2	49.53						



G MEASUREMENT BY ANOTHER AGENCY

## 197

404640073050201. Local number. S 36144.

AQUIFER.--Upper Glacial.

DATUM.--Land-surface datum is 54.0 ft (16.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.84 ft (0.56 m) above land-surface datum.

PERIOD OF RECORD.--November 1970 to current year. Unpublished records for November 1970 to September 1977 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.96 ft (12.18 m) NGVD, Mar. 29, 1979; lowest measured, 33.07 ft (10.08 m) NGVD, Dec. 16, 1971.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 6	36.82	JAN 4	37.03	FEB 2	38.56	MAR 29	39.96	JUN 26	39.10	SEP 21	37.47

4047073023302. Local number, S 36145-2.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2 in (0.05 m), depth 43 ft (13 m), screened 30 to 43 ft (9 to 13 m).

DATUM.--Land-surface datum is 44.6 ft (13.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.30 ft (0.09 m) below land-surface datum.

REMARKS.--Water-quality records for 1972 are available in files of Long Island Sub-district office.  
PERIOD OF RECORD.--October 1976 to current year. Unpublished records for 1970-76 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 33.90 ft (10.33 m) NGVD, Apr. 10, 1979; lowest measured, 30.14 ft (9.19 m) NGVD, Dec. 20, 1971.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 6 17	32.46 32.25	JAN 4	32.50	APR 2	33.65	APR 10	33.90	JUN 26	33.14	SEP 21	32.19

405551072501601. Local number, S 36146.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2 in (0.05 m), depth 86.6 ft (26.4 m) screen assumed at bottom.

DATUM.--Land-surface datum is 100.0 ft (30.5 m) National geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.51 ft (0.76 m) above land-surface datum.

PERIOD OF RECORD.--October 1970 to current year. Unpublished records for October 1970 to September 1977 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.70 ft (12.10 m) NGVD, Apr. 12, 1979; lowest measured, 32.24 ft (9.83 m) NGVD, Oct. 29, 1969.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 2 18	37.35 37.24	JAN 12	36.63	FEB 6	37.91	MAR 28	39.54	APR 12	39.70	JUN 27	39.54

GROUND-WATER LEVELS  
SUFFOLK COUNTY--continued

410524072194201. Local number, S 38463.  
LOCATION.--Lat 41°05'24", Long 72°19'42", Hydrologic Unit 02030202, at Cobbets Lane, east of Manhasset Road, Shelter Island. Owner: Mr. Hines.  
AQUIFER.--Upper Glacial.  
WELL CHARACTERISTICS.--Drilled domestic water-table well, 4 in (0.10 m), depth 56 ft (17 m), screen assumed at bottom.  
DATUM.--Land-surface datum is 59.9 ft (18.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, in well pit 5.45 ft (1.66 m) below land-surface datum.  
PERIOD OF RECORD.--October 1976 to current year. Unpublished records for 1971-76 are available in files of Long Island Sub-district office.  
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.52 ft (1.38 m) NGVD, Mar. 5, 1979; lowest measured, -1.89 ft (0.58 m) NGVD, June 25, 1971.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 12	2.82 G	MAR 5	4.52 G	MAR 30	4.38	JUN 20	3.46 G	JUN 28	3.49	SEP 26	2.60
JAN 12	2.90 G										

405153073241101. Local number, S 40841.  
LOCATION.--Lat 40°51'53", long 73°24'11", Hydrologic Unit 02030201, Park Avenue and Dunlop Road, Huntington. Owner: Suffolk County Department of Public Works.  
AQUIFER.--Upper Glacial.  
WELL CHARACTERISTICS.--Drilled observation water-table well, 2 in (0.05 m), depth 65.8 ft (20.1 m), screen assumed at bottom.  
DATUM.--Land-surface datum is 108.0 ft (32.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.30 ft (0.09 m) below land-surface datum.  
PERIOD OF RECORD.--August 1971 to current year. Unpublished records for October 1971 to September 1977 are available in files of Long Island Sub-district office.  
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 69.55 ft (21.20 m) NGVD, Mar. 20, June 20, 1979; lowest measured, 62.42 ft (19.03 m) NGVD, Mar. 27, 1972.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	67.63	FEB 5	67.30	MAR 20	69.55	MAR 26	67.52	JUN 20	69.55	SEP 20	69.43
DEC 22	67.47										

405323073021201. Local number, S 41050.  
LOCATION.--Lat 40°53'23", long 73°02'12", Hydrologic Unit 02030202, at Dare Road, 190 ft (58 m) south of Pine Street, North Selden. Owner: Suffolk County Water Authority.  
AQUIFER.--Upper Glacial.  
WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 8 in (0.20 m), depth 71 ft (22 m), screened 67 to 69 ft (20 to 21 m), sump bottom below screen.  
DATUM.--Land-surface datum is 89.4 ft (27.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in (0.05 m) reducer plug, 0.78 ft (0.24 m) above land-surface datum.  
REMARKS.--Water-quality records for 1978 are available in files of the Long Island Sub-district office; those for 1979 are published elsewhere in this report.  
PERIOD OF RECORD.--October 1976 to current year. Unpublished records for February 1972 to September 1976 are available in files of Long Island Sub-district office.  
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 75.18 ft (22.91 m) NGVD, Apr. 10, 1979; lowest measured, 60.29 ft (18.38 m) NGVD, July 11, 1972.

WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 5	70.88	JAN 4	71.06	MAR 30	75.08	APR 10	75.18	JUN 27	74.75	SEP 21	72.93
16	70.86										

G MEASUREMENT BY ANOTHER AGENCY

## GROUND-WATER LEVELS

199

## SUFFOLK COUNTY--continued

405222073021301. Local number, S 46531.

LOCATION.--Lat 40°52'22", long 73°02'13", Hydrologic Unit 02030202, at Tuckahoe Road, 189 ft (58 m) north of Route 27, Southampton. Owner: Town of Southampton.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2 in (0.05 m), depth 42 ft (13 m), screen assumed at bottom.

DATUM.--Land-surface datum is 36.4 ft (11.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.13 ft (0.04 m) below land-surface datum.

PERIOD OF RECORD.--October 1976 to current year. Unpublished records for November 1972 to September 1976 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.01 ft (1.83 m) NGVD, May 8, 1973; lowest measured, 3.88 ft (1.18 m) NGVD, Dec. 27, 1974.

## WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	4.43	JAN 9	4.37	FEB 5	5.98	APR 3	4.86	JUN 29	5.40	SEP 28	4.57

405231072341901. Local number, S 46534.

LOCATION.--Lat 40°52'31", long 72°34'19", Hydrologic Unit 02030202, at Route 27, 2.5 miles (4.0 km) east of Route 113, and 2.25 miles (3.62 km) west of Hampton Bays, South Flanders. Owner: New York State Department of Transportation.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2 in (0.05 m), depth 84 ft (26 m), screened 81 to 84 ft (25 to 26 m).

DATUM.--Land-surface datum is 82.0 ft (25.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.70 ft (0.52 m) above land-surface datum.

PERIOD OF RECORD.--October 1976 to current year. Unpublished records for January 1973 to September 1976 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.69 ft (4.38 m) NGVD, Apr. 4, 1979; lowest measured, 10.84 ft (3.30 m) above NGVD, Dec. 27, 1974.

## WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 5	12.64	JAN 9	11.97	FEB 2	13.02	APR 4	14.69	JUL 5	14.28	SEP 27	13.60

405130072353101. Local number, S 46537.

LOCATION.--Lat 40°51'30", long 72°35'31", Hydrologic Unit 02030202, at Spinney Road, 0.6 mi (1.0 km) south of Hampton Bays Road, East Quogue. Owner: Town of Southampton.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2 in (0.05 m), depth 50 ft (15 m), screen assumed at bottom.

DATUM.--Land-surface datum is 56.20 ft (17.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.21 ft (0.06 m) below land-surface datum.

PERIOD OF RECORD.--October 1976 to current year. Unpublished records for December 1972 to September 1976 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.76 ft (4.80 m) NGVD, Apr. 2, 1979; lowest measured, 11.79 ft (3.59 m) NGVD, Dec. 27, 1974.

## WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 5	13.57	DEC 21	13.07	FEB 2	14.61	APR 2	15.76	JUN 29	14.87	SEP 27	14.09

## SUFFOLK COUNTY--continued

405021072355801. Local number, S 46540.

LOCATION.--Lat 40°50'21", long 72°35'58", Hydrologic Unit 02030202, at intersection of Railroad and Midhampton Avenues, Quogue. Owner: Town of Southampton.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2 in (0.05 m), depth 41 ft (12 m), screen assumed at bottom.

DATUM.--Land-surface datum is 38 ft (12 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.24 ft (0.08 m) below land-surface datum.

PERIOD OF RECORD.--November 1972 to current year. Unpublished records for November 1972 to September 1977 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.64 ft (3.55 m) NGVD, Apr. 2, 1979; lowest measured, 6.74 ft (2.05 m) NGVD, Oct. 4, 1978.

## WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 5	8.92	DEC 21	8.55	FEB 2	11.50	APR 2	11.64	JUN 29	10.85	SEP 27	9.13

405353072403801. Local number, S 46541.

LOCATION.--Lat 40°53'53", long 72°40'38", Hydrologic Unit 02030202, at intersection County Road 51 and County Road 63, Wildwood Lake. Owner: Suffolk County Department of Public Works.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2 in (0.05 m), depth 34 ft (10 m), screen assumed at bottom.

DATUM.--Land-surface datum is 27.0 ft (8.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.26 ft (0.08 m) above land-surface datum.

PERIOD OF RECORD.--October 1976 to current year. Unpublished records for December 1972 to September 1976 are available in files of Long Island Sub-District office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.07 ft (5.81 m) NGVD, Feb. 2, 1979; lowest measured, 16.02 ft (4.88 m) NGVD, Nov. 28, 1977.

## WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	17.48	DEC 21	17.58	FEB 2	19.07	APR 2	18.77	JUN 29	18.25	SEP 27	17.60

405302072415101. Local number, S 46542.

LOCATION.--Lat 40°53'02", long 72°41'51", Hydrologic Unit 02030202, at Speonk Road and County Road 51, Riverhead. Owner: Suffolk County Department of Public works.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2 in (0.05 m), depth 149 ft (45 m), screen assumed at bottom.

DATUM.--Land-surface datum is 163.0 ft (49.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.15 ft (0.05 m) above land-surface datum.

PERIOD OF RECORD.--October 1976 to current year. Unpublished records for December 1972 to September 1976 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.42 ft (9.27 m) NGVD, June 29, 1979; lowest measured, 26.05 ft (7.94 m) NGVD, March 24, 1975.

## WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	29.26	DEC 21	28.59	FEB 2	28.38	APR 2	29.67	JUN 29	30.42	SEP 27	29.92

## GROUND-WATER LEVELS

201

## SUFFOLK COUNTY--continued

405140072432501. Local number, S 46544.

LOCATION.--Lat 40°51'40", long 72°43'25", Hydrologic Unit 02030202, at County Road 51 and Service Road for Recharge Basin 34, Calverton. Owner: Suffolk County Department of Public Works.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2 in (0.05 m), depth 107 ft (33 m), screen assumed at bottom.

DATUM.--Land-surface datum is 103.0 ft (31.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.29 ft (0.09 m) below land-surface datum.

PERIOD OF RECORD.--October 1976 to current year. Unpublished records for December 1972 to September 1976 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 31.28 ft (9.53 m) NGVD, June 28, 1979; lowest measured, 26.91 ft (8.20 m) NGVD, Aug. 17, 1974.

## WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	30.24	DEC 21	29.63	FEB 2	29.88	APR 2	30.98	JUN 28	31.28	SEP 27	30.36

405330072443701. Local number, S 46545.

LOCATION.--Lat 40°53'30", long 72°44'37", Hydrologic Unit 02030202, at Toppings Path, 0.9 mi (1.4 km) south of Nugget Drive, Calverton. Owner: Town of Brookhaven.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2 in (0.05 m), depth 73 ft (22 m), screen 70 to 73 ft (21 to 22 m).

DATUM.--Land-surface datum is 107.0 ft (32.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.14 ft (0.65 m) above land-surface datum.

PERIOD OF RECORD.--October 1976 to current year. Unpublished records for December 1972 to September 1976 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 43.83 ft (13.36 m) NGVD, June 28, 1979; lowest measured, 37.22 ft (11.34 m) NGVD, Oct. 7, 1977.

## WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	41.70	DEC 21	40.25	FEB 6	41.47	APR 2	43.48	JUN 28	43.83	SEP 27	42.78

405716072591601. Local number, S 46548.

LOCATION.--Lat 40°57'16", long 72°59'16", Hydrologic Unit 02030201, at Woodhull Landing Road and Old Rocky Point Road, Miller Place. Owner: Town of Brookhaven.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2 in (0.05 m), depth 84 ft (26 m), screen assumed at bottom.

DATUM.--Land-surface datum is 71.0 ft (21.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.27 ft (0.08 m) below land-surface datum.

PERIOD OF RECORD.--October 1976 to current year. Unpublished records for December 1972 to September 1976 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.14 ft (3.70 m) NGVD, June 22, 1979; lowest measured, 9.06 ft (2.76 m) NGVD, April 4, 1977.

## WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 5	11.16	OCT 17	11.14	JAN 4	10.73	MAR 29	11.73	APR 11	11.81	JUN 22	12.14



## SUFFOLK COUNTY--continued

405621073022001. Local number, S 46549.

LOCATION.--Lat 40°56'21", long 73°02'20", Hydrologic Unit 02030201, at Crystal Brook Hollow Road, 0.2 mi (0.3 km) north of North County Road, Port Jefferson. Owner: Town of Brookhaven.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2 in (0.05 m), depth 101 ft (31 m), screened 97 to 101 ft (30 to 31 m).

DATUM.--Land-surface datum is 97.0 ft (29.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.39 ft (0.12 m) below land-surface datum.

PERIOD OF RECORD.--October 1976 to current year. Unpublished records for December 1972 to September 1976 are available in files of Long Island Sub-district office.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.56 ft (8.40 m) NGVD, June 22, 1979; lowest measured, 23.81 ft (7.26 m) NGVD, Dec. 20, 1972.

## WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 5	26.01	OCT 17	26.01	JAN 4	25.88	MAR 29	27.41	APR 11	27.51	JUN 22	27.56

404813073084101. Local number, S 65601.

LOCATION.--Lat 40°48'13", long 73°08'41", Hydrologic Unit 02030202, at Johnson Avenue and Terry Road, Ronkonkoma. Owner: U.S. Geological Survey.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2 in (0.05 m), depth 41 ft (12 m), screened 38 to 41 ft (11 to 12 m).

DATUM.--Land-surface datum is 62.6 ft (19.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.20 ft (0.06 m) below land-surface datum.

REMARKS.--This well replaces S 1813-2. Prior to September 1978, water levels were measured in S 1813-2.

PERIOD OF RECORD.--September 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.10 ft (12.83 m) NGVD, Apr. 10, 1979; lowest measured, 36.46 ft (11.11 m) NGVD, Jan. 25, 1951.

## WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	40.20	JAN 30	41.42	MAR 28	42.06	MAY 2	41.93	JUN 26	41.46	AUG 28	40.95
NOV 29	39.86	FEB 28	41.88	APR 10	42.10	28	41.79	JUL 31	40.99	SEP 24	40.73
DEC 19	40.12										

410226072283801. Local number, S 65606.

LOCATION.--Lat 41°02'26", long 72°28'38", Hydrologic Unit 02030201, at Sound Avenue, near Peconic. Owner: U.S. Geological Survey.

AQUIFER.--Upper Glacial.

WELL CHARACTERISTICS.--Drilled observation water-table well, diameter 2 in (0.05 m), depth 51 ft (15.5 m), screened 46 to 51 ft (14 to 15.5 m).

DATUM.--Land-surface datum is 37.3 ft (11.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of coupling, 0.30 ft (0.09 m) below land-surface datum.

REMARKS.--This well replaces S 16777-2. Prior to October 1978, water levels were measured in S 16777.

PERIOD OF RECORD.--September 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.61 ft (2.62 m) NGVD, Feb. 1, 1979; lowest measured, 2.27 ft (0.67 m) NGVD, Aug. 31, 1966.

## WATER LEVEL, IN FEET IN REFERENCE TO NGVD, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	5.67	JAN 10	5.15	FEB 1	8.61	MAR 29	8.35	JUN 20	6.55		



## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## NASSAU COUNTY

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

STATION	NUMBER	LOCAL IDENT- IFIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	HARD- NESS (MG/L AS CaCO3)		
403818073421501 N	1114		112GLCLU	78-12-07	29	425	6.4	15.0	1.1	130		
			112GLCLU	79-03-12	29	410	8.0	12.5	3.5	120		
			112GLCLU	79-06-05	29	395	6.7	16.0	--	76		
			112GLCLU	79-09-13	29	50	6.8	18.5	1.1	62		
403716073423101 N	1116		112GLCLU	78-12-07	18	260	5.8	11.0	1.1	91		
			112GLCLU	79-03-12	18	260	6.8	7.5	5.5	95		
			112GLCLU	79-09-13	18	50	5.8	18.5	--	94		
404123073394802 N	1129		112GLCLU	78-12-07	44	240	5.4	13.0	5.5	91		
			112GLCLU	79-03-12	44	225	5.6	12.0	4.0	95		
			112GLCLU	79-06-08	44	240	5.4	15.0	--	97		
			112GLCLU	79-09-13	44	250	5.4	18.0	--	28		
404736073353101 N	1176		112GLCLU	78-12-06	198	32	6.1	11.0	--	5		
			112GLCLU	79-03-13	198	30	6.0	11.0	--	6		
			112GLCLU	79-06-07	198	65	5.9	12.8	--	--		
			112GLCLU	79-08-30	198	50	5.8	14.0	11.2	7		
DATE OF SAMPLE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	ALKA- LINITY (MG/L AS CaCO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)
78-12-07	38	8.2	35	3.2	110	90	70	19	71	251	1.2	.05
79-03-12	39	4.5	25	2.7	130	110	2.1	6.6	46	213	.02	.03
79-06-05	25	3.3	41	3.0	58	48	19	5.5	87	211	.50	.05
79-09-13	20	2.9	67	3.1	--	64	--	6.4	98	256	.42	.26
78-12-07	30	3.8	13	3.2	19	16	48	52	31	169	5.2	4.9
79-03-12	30	4.9	13	2.9	26	21	6.6	50	28	163	3.7	3.8
79-09-13	30	4.7	15	3.8	--	19	--	49	29	170	5.0	4.8
78-12-07	29	4.5	7.4	1.8	11	9	70	61	12	146	8.3	3.8
79-03-12	31	4.3	7.9	1.4	14	11	56	61	13	164	6.9	6.8
79-06-08	32	4.2	7.1	1.4	9	7	57	62	15	135	6.1	4.7
79-09-13	9.5	1.1	12	1.3	--	29	--	23	7.5	90	2.4	2.2
78-12-06	1.2	.6	3.5	.8	12	10	15	.8	3.4	30	1.1	1.1
79-03-13	1.4	.7	3.3	.6	7	6	11	.3	3.4	27	.98	1.1
79-06-07	--	--	--	--	--	--	--	--	--	--	2.2	1.2
79-08-30	1.5	.8	3.4	.7	--	2	--	1.6	4.2	28	1.3	1.3
DATE OF SAMPLE	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)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)		
78-12-07	.33	.11	.44	1.6	.01	16000	310	--	.3	.10		
79-03-12	.69	.20	.89	.91	.01	19000	430	4.5	.1	.10		
79-06-05	1.0	.50	1.5	2.0	.00	12000	280	1.0	.1	.00		
79-09-13	1.0	.60	1.6	2.1	.01	11000	230	3.4	.0	.10		
78-12-07	.06	.00	.00	5.2	.00	400	30	1.2	.3	.10		
79-03-12	.05	.15	.20	3.9	.01	670	40	2.1	.1	.00		
79-09-13	.13	.78	.91	5.9	.00	630	80	.7	.0	.00		
78-12-07	.01	.00	.00	8.3	.00	580	50	1.2	.2	.10		
79-03-12	.01	.00	.01	6.9	.00	380	40	1.0	.1	.10		
79-06-08	.01	.12	.13	6.2	.00	830	60	--	.1	.00		
79-09-13	1.5	.90	2.4	4.8	.00	2700	590	3.9	.0	.00		
78-12-06	.01	.02	.03	1.1	.00	780	10	.8	.2	.00		
79-03-13	.00	.01	.01	.99	.00	870	0	2.2	.1	.00		
79-06-07	.01	.40	.41	2.6	.00	--	--	1.0	.1	.00		
79-08-30	.02	.25	.27	1.6	.01	600	20	--	--	.00		

## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## NASSAU COUNTY--Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)
404657073332201 N	1194	112GLCLU	78-12-06	100	370	5.4	10.0	--	91
		112GLCLU	79-03-13	100	400	5.7	11.5	--	110
		112GLCLU	79-06-07	100	360	5.7	13.0	--	90
		112GLCLU	79-09-10	100	350	5.8	14.0	--	93
404310073261001 N	1250	112GLCLU	78-12-05	34	275	14.0	14.0	1.4	54
		112GLCLU	79-03-14	34	275	5.4	14.5	--	51
		112GLCLU	79-06-13	34	225	5.7	15.0	--	61
		112GLCLU	79-09-11	34	250	5.7	14.5	.7	57
404239073255201 N	1251	112GLCLU	78-12-05	19	270	6.0	15.0	3.4	58
		112GLCLU	79-03-14	19	275	5.7	12.0	--	49
		112GLCLU	79-09-11	19	140	6.1	16.0	.4	93
404133073253901 N	1252	112GLCLU	78-12-05	24	330	6.6	14.0	1.2	67
		112GLCLU	79-03-09	24	375	7.2	11.0	1.4	66
404059073254101 N	1253	112GLCLU	78-12-05	29	580	6.1	13.0	1.3	66
		112GLCLU	79-06-12	29	440	6.3	12.0	--	63
		112GLCLU	79-09-11	29	500	6.3	15.0	.9	74

DATE OF SAMPLE	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	POTASSIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	ALKALINITY (MG/L AS CaCO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE DIS-SOLVED (MG/L AS N)
78-12-06	29	4.5	28	ND	22	18	140	17	92	203	2.5	1.6
79-03-13	30	7.5	35	2.2	30	25	96	21	95	229	2.5	2.5
79-06-07	26	6.1	40	2.4	30	25	96	29	82	214	2.2	2.3
79-09-10	26	6.9	33	2.1	--	21	--	21	82	208	2.3	2.5
78-12-05	16	3.5	28	5.6	39	32	.0	40	33	191	8.1	8.3
79-03-14	16	2.8	29	3.8	34	28	217	45	27	172	5.0	5.0
79-06-13	19	3.4	25	4.3	43	35	137	44	30	157	3.8	2.5
79-09-11	18	3.0	18	3.9	--	17	--	40	25	139	3.0	2.9
78-12-05	19	2.5	21	4.5	50	41	80	42	30	159	.03	.02
79-03-14	16	2.1	24	4.6	43	35	137	67	21	177	1.8	2.0
79-09-11	31	3.9	9.5	2.2	--	8	--	59	13	165	8.2	7.1
78-12-05	20	4.2	28	5.0	40	33	16	32	37	163	10	1.4
79-03-09	21	3.2	29	4.9	60	49	6.1	40	41	185	3.8	1.3
78-12-05	23	2.0	90	6.0	120	98	153	36	130	361	.15	.19
79-06-12	20	3.2	58	4.7	75	62	60	26	88	250	.86	.55
79-09-11	23	4.1	70	5.9	--	70	--	24	110	293	.44	.46

DATE OF SAMPLE	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
78-12-06	.90	.00	.00	2.5	.00	1000	20	2.3	.3	.00
79-03-13	.00	.06	.06	2.6	.01	820	20	1.6	.0	.00
79-06-07	.05	.22	.27	2.5	.01	810	20	--	.1	.00
79-09-10	.02	.12	.14	2.4	.01	1100	20	1.5	.0	.00
78-12-05	1.3	1.3	2.6	11	.00	810	1600	2.1	.2	.20
79-03-14	2.0	1.3	3.3	8.3	.00	510	780	3.2	.1	.10
79-06-13	2.6	.40	3.0	6.8	.00	950	1000	--	.1	.10
79-09-11	2.1	.30	2.4	5.4	.00	1100	1200	1.7	.0	.10
78-12-05	6.0	.30	6.3	6.3	.00	3100	1600	6.5	.2	1.3
79-03-14	8.7	.00	7.1	9.0	.00	2100	1400	3.4	.1	.40
79-09-11	.02	.11	.13	8.3	.01	1100	60	.7	.0	.10
78-12-05	1.6	2.6	4.2	14	.14	--	2300	2.0	4.5	.20
79-03-09	5.4	.00	3.6	7.4	.01	5500	310	2.4	.1	.50
78-12-05	3.9	.20	4.1	4.3	.00	--	9300	3.6	.2	.20
79-06-12	3.0	.40	3.4	4.3	.00	250	4900	1.1	.1	.00
79-09-11	5.0	.00	5.0	5.5	.01	360	5600	1.1	.0	.10

## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## NASSAU COUNTY--Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)
404015073252701 N 1254		112GLCLU	78-12-05	29	375	6.2	13.0	1.6	86
		112GLCLU	79-03-09	29	500	6.7	9.0	1.8	100
		112GLCLU	79-09-11	29	360	6.4	19.0	1.1	85
403920073410701 N 1429		112GLCLU	78-12-07	24	205	5.7	17.0	1.0	83
		112GLCLU	79-03-12	24	295	5.9	12.5	1.5	110
		112GLCLU	79-06-04	24	175	5.9	16.0	--	85
		112GLCLU	79-09-13	24	225	6.2	18.5	.4	86
404544073265603 N 7397		112GLCLU	78-12-05	102	95	5.3	11.0	--	28
		112GLCLU	79-03-12	102	105	5.3	11.0	--	24
		112GLCLU	79-06-15	102	110	5.6	13.0	--	26
		112GLCLU	79-09-10	102	110	5.2	13.5	--	23
404730073423101 N 8877		112GLCLU	78-12-06	76	150	6.5	14.0	.5	48
		112GLCLU	79-03-14	76	150	6.7	12.5	--	50
		112GLCLU	79-06-08	76	158	6.7	14.0	--	48
		112GLCLU	79-09-13	76	150	6.7	15.5	1.0	48

DATE OF SAMPLE	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNESIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTASSIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	ALKALINITY (MG/L AS CaCO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE DIS-SOLVED (MG/L AS N)
78-12-05	29	3.4	26	4.6	41	34	41	32	45	208	6.7	4.0
79-03-09	33	4.7	47	4.1	58	48	19	53	70	281	7.1	7.1
79-09-11	27	4.2	29	6.1	--	36	--	48	34	225	10	10
78-12-07	25	4.9	7.0	4.8	57	47	182	42	6.4	127	.05	.04
79-03-12	35	5.2	8.7	4.2	57	47	115	64	15	170	.04	.03
79-06-04	28	3.6	6.1	4.5	68	56	137	36	6.1	126	.75	.01
79-09-13	29	3.3	7.2	3.8	--	61	--	33	7.3	136	.01	.00
78-12-05	4.0	4.4	8.1	1.5	11	9	88	.5	17	69	4.9	4.8
79-03-12	4.0	3.3	8.0	1.2	8	7	64	1.1	20	64	3.9	3.8
79-06-15	4.2	3.7	10	1.2	6	5	24	.1	27	55	3.5	3.0
79-09-10	3.8	3.4	9.4	1.2	--	3	--	1.4	18	63	4.5	4.1
78-12-06	9.1	6.1	6.0	1.8	37	30	19	22	6.9	95	.00	.00
79-03-14	9.7	6.2	6.1	1.6	34	28	11	19	7.3	93	.00	.00
79-06-08	9.5	6.0	5.9	1.5	40	33	13	22	7.3	99	.00	--
79-09-13	9.5	6.0	6.3	1.5	--	27	--	22	7.6	97	.03	.01

DATE OF SAMPLE	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
78-12-05	.01	1.9	1.9	8.6	.00	--	3000	5.6	.3	.10
79-03-09	.84	.26	1.1	8.2	.00	630	2300	3.5	.0	.10
79-09-11	4.4	.00	4.2	14	.01	1900	3300	1.6	.0	.20
78-12-07	.03	.00	.00	.06	.02	750	670	2.9	.3	.10
79-03-12	.07	.03	.10	.14	.02	570	1200	2.6	.0	.00
79-06-04	.06	.00	.06	.81	.01	550	820	1.0	.2	.00
79-09-13	.07	.25	.32	.33	.01	1600	620	1.0	.0	.00
78-12-05	.07	.00	.00	4.9	.02	3200	100	5.2	.2	.10
79-03-12	.02	.04	.06	4.0	.00	780	40	7.6	.1	.00
79-06-15	.02	.23	.25	3.8	.00	410	50	.9	.1	.00
79-09-10	.06	.06	.12	4.6	.01	550	40	4.3	.0	.00
78-12-06	.01	.00	.00	.00	.01	5700	110	1.5	.2	.00
79-03-14	.01	.00	.00	.00	.01	6300	120	3.9	.0	.00
79-06-08	.01	.01	.02	.02	.01	6300	150	--	.1	<.00
79-09-13	.05	.25	.30	.34	.01	7000	140	1.3	.0	.00

## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## NASSAU COUNTY--Continued

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

STATION	NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	HARD- NESS (MG/L AS CACO3)
404702073305601 N	8888		112GLCLU	78-12-13	112	360	5.5	12.0	--	76
			112GLCLU	79-03-09	112	350	5.6	--	--	66
			112GLCLU	79-09-10	112	280	5.6	15.0	--	56

DATE OF SAMPLE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	ALKA- LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)
78-12-13	23	4.5	31	5.4	13	11	66	43	38	224	12	13
79-03-09	20	4.0	32	5.6	24	20	96	40	36	212	12	11
79-09-10	17	3.2	30	5.2	--	14	--	40	24	181	10	8.7

DATE OF SAMPLE	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)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)
78-12-13	.02	.00	.00	12	.04	2100	170	.8	.4	.10
79-03-09	.03	.23	.26	12	.02	5200	220	3.3	.0	.10
79-09-10	.05	.18	.23	10	.01	2600	210	3.9	.0	.10

## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## NASSAU COUNTY--Continued

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

STATION	NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	HARD- NESS (MG/L AS CACO3)
404407073331501	N	9182 CDR CK DB WL 9A	211MGTY	79-06-14	195	350	5.3	14.0	5.6	67
404407073331502	N	9183 CDR CK DB WL 9B	211MGTY	79-06-14	105	400	5.6	14.0	5.8	66
404407073331503	N	9184 CDR CK DB WL 9C	112GLCLU	79-06-14	45	410	5.5	13.5	6.1	98
404404073330401	N	9193 CDR CK DB WL 10A	211MGTY	79-05-02	205	340	5.8	13.0	4.7	71
			211MGTY	79-08-06	205	382	5.4	14.0	1.7	68
404404073330402	N	9194 CDR CK DB WL 10B	211MGTY	79-05-02	105	545	5.7	14.0	3.6	45
			211MGTY	79-08-06	105	530	6.2	14.5	1.6	44
404404073330403	N	9195 CDR CK DB WL 10C	112GLCLU	79-05-03	45	450	5.7	10.0	2.9	57
			112GLCLU	79-08-08	45	425	5.9	14.5	1.7	74
404404073325301	N	9196 CDR CK DB WL 11A	211MGTY	79-06-11	205	110	4.7	12.0	7.1	19
404404073325302	N	9197 CDR CK DB WL 11B	211MGTY	79-06-11	95	460	5.6	13.5	2.8	100
404404073325303	N	9198 CDR CK DB WL 11C	112GLCLU	79-06-11	45	395	5.9	14.0	2.9	110

DATE OF SAMPLE	HARD- NESS, NONCAR- BONATE (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	ALKA- LINITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	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)
79-06-14	59	16	6.5	30	1.5	10	8	80	33	36	.0	12
79-06-14	62	19	4.6	31	4.4	5	4	20	25	45	.0	11
79-06-14	87	30	5.6	24	6.1	13	11	66	44	30	.0	11
79-05-02	60	17	6.9	26	2.5	13	11	33	19	21	.0	12
79-08-06	61	17	6.2	22	1.9	9	7	57	17	21	.0	11
79-05-02	0	14	2.5	70	7.3	67	55	214	39	59	.1	16
79-08-06	0	14	2.3	59	7.2	67	55	68	34	61	.0	14
79-05-03	37	19	2.3	38	8.4	24	20	77	13	53	.9	12
79-08-08	44	24	3.5	26	5.4	37	30	75	23	36	1.1	12
79-06-11	18	4.8	1.6	7.3	8	1	1	32	.2	9.7	.0	6.8
79-06-11	85	33	4.5	30	8.9	20	16	80	44	40	.0	15
79-06-11	72	38	3.1	22	5.7	43	35	87	40	23	.1	15

DATE OF SAMPLE	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRATE DIS- SOLVED (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- PHATE, TOTAL (MG/L AS PO4)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C)
79-06-14	184	11	10	.02	.20	.22	11	.01	.00	6.6	.6
79-06-14	143	--	--	--	--	--	--	.00	.00	4.6	.1
79-06-14	223	16	15	.02	.03	.05	16	.05	.03	6.9	.1
79-05-02	111	22	19	.00	.38	.38	22	.00	.00	1.3	.1
79-08-06	180	17	18	.01	.00	.00	17	.00	.00	1.4	.1
79-05-02	241	7.3	7.4	.12	.68	.80	8.1	.01	.03	2.7	.1
79-08-06	248	4.8	5.3	.52	.35	.87	5.7	.00	.03	1.9	.1
79-05-03	158	13	13	.94	.56	1.5	15	.57	1.7	2.5	.5
79-08-08	198	11	11	.00	.27	.27	11	.59	1.6	2.3	.1
79-06-11	57	5.7	5.7	.00	.03	.03	5.7	.00	.00	.7	.1
79-06-11	247	15	14	.26	.08	.34	15	.01	.03	.8	.1
79-06-11	243	17	17	.31	.16	.47	17	.05	.15	1.0	.1

## QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

NASSAU COUNTY--Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)
404407073331601 N	9199	211MGTY	79-04-04	105	245	5.6	14.0	--	34
		211MGTY	79-07-18	105	260	5.7	14.5	2.7	33
404407073331602 N	9200 CDR CK DB WL 88	112GLCLU	79-04-04	45	680	5.8	14.0	8.7	84
		112GLCLU	79-07-23	45	650	5.6	14.0	7.1	91
404327073335901 N	9201	112GLCLU	79-06-27	45	235	5.2	14.0	--	57
404425073324301 N	9217	112GLCLU	79-05-10	50	400	5.7	14.0	4.4	--
404414073324001 N	9218	112GLCLU	79-05-10	45	400	5.1	13.0	2.0	--
404353073331801 N	9219	211MGTY	79-04-02	95	300	5.3	13.0	4.4	57
		211MGTY	79-07-16	95	390	5.5	14.0	3.7	61
404353073331802 N	9220 CDR CK DB WL 14B	112GLCLU	79-04-02	45	360	5.3	13.0	4.4	76
		112GLCLU	79-07-16	45	400	6.2	14.0	--	59
404351073332701 N	9221	211MGTY	79-04-02	95	350	5.3	13.0	3.8	81
		211MGTY	79-07-18	95	380	5.5	13.5	2.8	84

DATE OF SAMPLE	HARDNESS, NONCARBONATE (MG/L CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	POTASSIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	ALKALINITY (MG/L AS CaCO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)
79-04-04	27	9.0	2.8	23	--	9	7	36	18	37	.0	7.7
79-07-18	27	8.5	2.9	21	1.2	8	7	26	19	33	.0	7.7
79-04-04	67	25	5.2	75	--	21	17	53	47	110	.0	12
79-07-23	77	27	5.8	73	5.8	17	14	68	40	--	.0	11
79-06-27	50	18	2.9	11	3.7	8	7	72	32	14	.0	8.7
79-05-10	--	--	--	--	--	--	--	--	--	--	--	--
79-05-10	--	--	--	--	--	--	--	--	--	--	--	--
79-04-02	50	17	3.6	21	2.5	9	7	72	25	46	.0	8.5
79-07-16	54	18	3.9	35	2.2	8	7	40	24	67	.0	8.0
79-04-02	63	23	4.5	43	4.1	16	13	128	36	70	.0	7.3
79-07-16	43	18	3.4	34	3.5	19	16	19	32	47	.0	6.8
79-04-02	64	22	6.3	23	3.9	21	17	148	30	22	.0	11
79-07-18	76	23	6.4	22	4.4	10	8	51	29	21	.0	11

DATE OF SAMPLE	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHATE, TOTAL (MG/L AS PO4)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)
79-04-04	102	--	--	--	--	--	--	--	--	--	--
79-07-18	108	2.6	2.5	.00	.00	.00	2.6	.00	.00	3.1	.0
79-04-04	285	--	11	--	--	--	--	.00	--	3.6	.0
79-07-23	176	11	1.1	.03	.00	.00	11	.00	.00	1.7	.0
79-06-27	174	7.3	18	.03	.00	.03	7.3	.00	.03	1.0	.5
79-05-10	--	15	15	.02	.19	.21	15	.19	.58	1.5	--
79-05-10	--	3.2	3.1	.71	.27	.98	4.2	.00	.00	4.5	.2
79-04-02	144	3.5	3.5	.00	.12	.12	3.6	.01	--	1.9	.1
79-07-16	174	2.5	2.6	.00	.15	.15	2.7	.00	.00	1.4	.5
79-04-02	196	9.3	7.9	.00	.05	.05	9.4	.00	--	4.4	.1
79-07-16	179	6.4	5.6	.01	.00	.00	6.4	.00	.00	4.0	.6
79-04-02	129	20	20	.00	.00	.00	20	.00	--	2.4	.1
79-07-18	197	--	17	--	--	--	--	--	--	1.9	.0



## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## NASSAU COUNTY--Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)
404351073332702 N 9222		112GLCLU	79-04-04	45	340	5.3	13.0	4.8	76
		112GLCLU	79-07-18	45	345	5.3	13.5	40.0	74
404346073332001 N 9223		211MGTY	79-03-28	105	240	5.3	12.5	7.0	58
		211MGTY	79-07-11	105	280	5.8	13.0	5.9	58
404346073332002 N 9224		112GLCLU	79-03-28	45	290	5.5	13.0	7.0	60
		112GLCLU	79-07-11	45	305	5.9	13.0	5.7	63
404331073330801 N 9225		112GLCLU	79-06-27	45	460	5.1	13.5	--	90
404330073322901 N 9226		112GLCLU	79-06-27	45	1000	5.6	13.0	--	75
404430073331001 N 9234		211MGTY	79-06-20	205	240	5.5	15.0	3.0	21
404430073331002 N 9235		211MGTY	79-06-20	105	--	5.9	15.0	2.5	19
404410073333201 N 9239		211MGTY	79-06-06	205	80	5.6	13.0	7.1	12
404410073333202 N 9240		211MGTY	79-06-06	105	395	5.8	14.0	3.2	86

DATE OF SAMPLE	HARDNESS, NONCARBONATE (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	POTASSIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	ALKALINITY (MG/L AS CaCO3)	CARBON DIOXIDE, DIS-SOLVED (MG/L AS CO2)	SULFATE, DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)
79-04-04	69	24	4.0	19	--	9	7	72	32	21	.0	13
79-07-18	67	23	3.9	17	6.0	8	7	64	33	18	.0	13
79-03-28	41	14	5.5	15	1.5	20	16	160	24	23	.0	9.5
79-07-11	53	14	5.6	16	2.5	6	5	15	21	23	.0	8.9
79-03-28	43	18	3.6	22	3.7	21	17	106	37	31	.0	7.5
79-07-11	54	19	3.8	21	3.8	11	9	22	34	29	.0	7.1
79-06-27	80	30	3.7	31	6.9	12	10	153	46	34	.0	15
79-06-27	47	24	3.7	180	6.0	34	28	137	40	220	.0	11
79-06-20	13	5.4	1.9	23	1.0	10	8	51	2.4	26	.0	9.3
79-06-20	0	5.9	1.0	71	2.5	51	42	103	19	69	.0	4.6
79-06-06	7	3.4	.9	5.1	.6	6	5	24	1.4	7.8	.0	6.8
79-06-06	78	26	5.1	24	5.4	10	8	25	35	31	.0	9.6

DATE OF SAMPLE	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHATE, TOTAL (MG/L AS PO4)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)
79-04-04	117	--	17	--	--	--	--	.00	--	.9	.0
79-07-18	184	14	15	.00	.06	.06	14	.00	.00	3.8	.0
79-03-28	102	9.1	9.5	.05	.00	.00	9.1	.00	--	--	--
79-07-11	138	10	10	.00	.00	.00	10	.00	.00	3.6	.1
79-03-28	133	7.2	7.5	.06	.00	.06	7.3	.00	--	--	--
79-07-11	158	8.0	7.8	.00	.03	.03	8.0	.00	.00	7.4	.0
79-06-27	207	7.8	7.8	1.9	.20	2.1	9.9	.00	.03	2.3	.4
79-06-27	538	14	8.3	.11	.01	.12	14	.00	.03	2.6	.4
79-06-20	105	7.8	7.1	.00	.28	.28	8.1	.00	.00	1.4	--
79-06-20	218	5.6	4.6	.02	.19	.21	5.8	.00	.00	1.9	--
79-06-06	29	15	--	.03	.00	.00	15	.01	.00	3.2	.1
79-06-06	141	2.8	--	.01	.00	.00	2.8	.00	.00	5.1	.1



## QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

NASSAU COUNTY--Continued

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

STATION	NUMBER	LOCAL IDENT- IFIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	HARD- NESS (MG/L AS CaCO3)
404410073333203	N 9241		112GLCLU	79-06-06	45	375	4.6	14.0	3.0	63
404402073323901	N 9244		211MGTY	79-05-09	205	350	4.6	13.0	2.1	--
			211MGTY	79-07-30	205	360	4.6	13.5	2.6	74
404345073324301	N 9247		211MGTY	79-04-09	95	425	5.2	12.5	3.4	83
			211MGTY	79-07-23	95	300	5.2	13.5	3.2	83
404345073324302	N 9248	CDR CK DB WL 158	112GLCLU	79-04-09	45	395	5.1	13.0	6.5	61
			112GLCLU	79-07-23	45	475	5.0	14.0	4.5	100
404331073324701	N 9252		211MGTY	79-06-18	195	350	5.8	13.0	1.9	25
404331073324702	N 9253		211MGTY	79-06-18	95	500	5.4	14.0	3.1	69
405128073370602	N 9334T		211LLYD	78-10-10	603	95	6.3	12.0	--	28
404410073331201	N 9360		211MGTY	79-04-16	205	80	5.6	13.0	4.6	17
			211MGTY	79-07-25	205	140	5.5	14.0	1.8	17

DATE OF SAMPLE	HARD- NESS, NONCAR- BONATE (MG/L CaCO3)	CALCIUM DIS- SOLVED (MG/L AS Ca)	MAGNE- SIUM, DIS- SOLVED (MG/L AS Mg)	SODIUM, DIS- SOLVED (MG/L AS Na)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	ALKA- LINITY (MG/L AS CaCO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS Cl)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)
79-06-06	61	20	3.2	25	5.9	3	2	121	41	27	.1	15
79-05-09	--	--	--	--	--	--	--	--	--	--	--	--
79-07-30	74	18	7.0	21	2.8	0	0	.0	44	20	.0	9.3
79-04-09	76	24	5.6	27	5.3	8	7	81	52	34	.0	8.6
79-07-23	77	24	5.6	27	5.0	7	6	71	49	31	.0	8.7
79-04-09	57	20	2.8	37	4.8	6	5	76	38	52	.1	9.0
79-07-23	99	36	3.0	42	4.7	4	3	64	43	56	.1	9.3
79-06-18	17	7.6	1.4	11	1.0	10	8	25	15	16	.0	9.0
79-06-18	61	22	3.3	25	5.8	9	7	57	39	28	.0	13
78-10-10	12	7.2	2.5	6.3	.9	20	16	16	5.1	8.8	.1	13
79-04-16	13	4.6	1.4	8.9	.8	5	4	20	1.1	17	.0	7.0
79-07-25	10	4.5	1.4	8.3	.8	9	7	46	1.3	18	.0	7.1

DATE OF SAMPLE	SOLIDS, SUM OF CONSTITU- ENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRATE DIS- SOLVED (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- PHATE, TOTAL (MG/L AS PO4)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C)
79-06-06	205	15	15	.08	.16	.24	15	.01	.03	3.6	.0
79-05-09	--	14	14	.00	.01	.01	14	.00	.00	2.0	.1
79-07-30	171	9.0	11	.00	.00	.00	9.0	.00	.00	1.2	.1
79-04-09	223	--	14	--	--	--	--	--	--	.4	.0
79-07-23	160	13	1.4	.02	.00	.00	13	.00	.00	7.8	.0
79-04-09	167	9.0	9.2	.00	.00	.00	9.0	.00	--	.7	.0
79-07-23	200	.88	.93	.01	.49	.50	1.4	.00	.00	8.3	.1
79-06-18	67	.09	.07	.01	.03	.04	.14	.01	.00	5.9	.1
79-06-18	141	10	7.3	.02	.12	.14	10	.00	.00	4.0	.2
78-10-10	71	4.3	3.9	.00	.00	.00	4.3	.01	--	2.6	--
79-04-16	54	2.5	2.4	.01	.00	.00	2.5	.00	.00	.0	.0
79-07-25	57	2.4	2.5	.00	.00	.00	2.5	.00	.00	1.9	.0

## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## NASSAU COUNTY--Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)
404410073331202 N 9361 CDR	CK DB WL 3B	211MGTY	79-04-16	100	310	6.0	14.0	4.9	49
		211MGTY	79-07-25	100	350	6.0	14.0	2.7	52
404410073331203 N 9362		112GLCLU	79-04-16	45	460	5.4	14.0	7.8	--
		112GLCLU	79-07-25	45	420	5.5	14.0	--	100
404412073331305 N 9363 CDR	CK DB WL 4A	211MGTY	79-04-11	103	310	5.4	14.0	6.3	42
		211MGTY	79-07-30	103	310	5.8	14.5	2.2	46
404412073331306 N 9364 CDR	CK DB WL 4B	112GLCLU	79-04-11	45	450	5.1	14.0	6.2	93
		112GLCLU	79-07-30	45	475	5.3	14.0	2.0	95
404351073330901 N 9365		211MGTY	79-03-26	95	330	5.7	13.5	1.2	33
		211MGTY	79-07-11	95	380	5.8	13.0	1.5	32
404351073330902 N 9366 CDR	CK DB WL 19B	112GLCLU	79-03-20	45	305	6.0	13.0	1.3	70
		112GLCLU	79-03-20	45	305	6.1	13.0	3.3	67
		112GLCLU	79-06-25	45	420	5.2	13.0	3.3	76
		112GLCLU	79-06-25	45	420	5.2	13.0	3.3	76

DATE OF SAMPLE	HARDNESS, NONCARBONATE (MG/L CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	POTASSIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	ALKALINITY (MG/L AS CaCO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)
79-04-16	32	13	4.0	27	1.5	21	17	34	14	34	.0	7.5
79-07-25	35	14	4.1	29	1.5	20	16	32	13	40	.0	7.5
79-04-16	--	--	--	--	--	--	--	--	--	--	--	--
79-07-25	96	32	6.0	28	7.2	10	8	51	46	34	.0	12
79-04-11	30	10	4.2	29	1.1	15	12	96	15	34	.0	5.7
79-07-30	35	11	4.4	31	1.7	13	11	33	15	34	.0	6.1
79-04-11	86	28	5.6	30	7.2	9	7	114	40	33	.0	13
79-07-30	92	29	5.5	32	7.5	4	3	32	42	34	.0	13
79-03-26	21	9.1	2.6	46	3.2	15	12	48	52	37	.0	9.6
79-07-11	13	8.5	2.6	48	3.9	23	19	58	55	37	.0	9.0
79-03-20	46	21	4.2	25	6.0	29	24	46	36	33	.1	9.5
79-03-20	44	20	4.2	24	6.1	28	23	36	36	33	.1	9.3
79-06-25	52	23	4.4	34	7.1	29	24	293	41	37	.1	9.9
79-06-25	55	23	4.4	34	7.0	25	21	252	40	38	.1	9.7

DATE OF SAMPLE	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	NITROGEN, NITRATE DIS-SOLVED (MG/L AS N)	NITROGEN, NITRATE DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHATE, TOTAL (MG/L AS PO4)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)
79-04-16	150	8.2	8.6	.06	.00	.00	8.3	.02	.06	.8	.0
79-07-25	155	7.5	8.0	.06	.15	.21	7.8	.02	.00	3.0	.0
79-04-16	--	--	--	--	--	--	--	--	--	--	--
79-07-25	259	16	20	.00	.17	.17	16	.00	.00	4.8	.0
79-04-11	106	9.4	9.3	.00	.00	.00	9.4	.01	--	.5	.0
79-07-30	151	9.4	9.3	.00	.00	.00	9.4	.01	.00	2.0	.1
79-04-11	272	20	25	.00	.00	.00	20	.01	--	2.0	.0
79-07-30	280	19	26	.00	.15	.15	19	.01	.00	1.9	.1
79-03-26	167	4.5	--	.00	.00	.00	4.5	.01	--	--	--
79-07-11	194	4.4	4.2	.00	.05	.05	4.5	.00	.00	3.0	.3
79-03-20	149	--	--	--	--	--	--	--	--	--	--
79-03-20	147	--	--	--	--	--	--	--	--	--	--
79-06-25	212	8.7	9.3	.01	.40	.41	9.1	.00	.00	2.8	.1
79-06-25	210	8.6	9.2	.14	.23	.37	9.0	.00	.03	2.4	.1

## QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## NASSAU COUNTY--Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)
404401073324801 N	9367 CDR CK OB WL 12A	211MGTY	79-06-25	105	375	5.2	13.0	1.6	65
404401073324802 N	9368 CDR CK OB WL 12B	112GLCLU	79-06-25	45	97	5.7	13.0	7.5	8
404414073325301 N	9449	211MGTY	79-05-16	198	42	5.2	14.0	1.7	--
404414073325302 N	9450	211MGTY	79-05-16	105	450	5.5	14.0	6.5	110
404414073325303 N	9451	112GLCLU	79-05-16	45	525	6.5	14.0	2.7	150
		112GLCLU	79-08-08	45	490	5.8	14.5	3.2	110

DATE OF SAMPLE	HARDNESS, NONCARBONATE (MG/L CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	POTASSIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	ALKALINITY (MG/L AS CaCO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)
79-06-25	58	21	3.1	26	7.9	9	7	91	32	30	.0	15
79-06-25	4	2.3	.6	12	1.0	5	4	16	13	8.4	.0	2.2
79-05-16	--	--	--	--	--	--	--	--	--	--	--	--
79-05-16	92	32	8.0	30	2.6	26	21	132	48	45	.0	12
79-05-16	84	55	2.5	35	7.5	78	64	39	39	29	.1	13
79-08-08	89	32	6.7	29	2.5	22	18	56	47	43	.0	12

DATE OF SAMPLE	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRATE DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHATE, TOTAL (MG/L AS PO4)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	CARBON, ORGANIC SUSPENDED TOTAL (MG/L AS C)
79-06-25	139	--	--	--	--	--	--	--	--	--	--
79-06-25	47	1.6	1.2	.01	.07	.08	1.7	.00	.03	1.2	--
79-05-16	--	--	--	--	--	--	--	--	--	--	--
79-05-16	252	14	14	.00	.35	.35	14	.00	.00	.9	.1
79-05-16	273	23	12	1.2	.00	1.1	25	.06	.18	12	.1
79-08-08	241	12	13	.00	.00	.00	12	.01	.00	1.3	.1

## Geological unit (aquifer):

112GLCLU - Upper glacial aquifer, Pleistocene age.

211LLYD - Lloyd aquifer, Cretaceous age.

211MGTY - Magothy aquifer, Cretaceous age.

## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## QUEENS COUNTY

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

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)
403845073475701 G 3110		112JMCO	78-11-30	471	--	--	--	--	1400
		112JMCO	79-01-23	471	5250	6.5	13.0	2.7	1100
		112JMCO	79-03-09	471	5400	7.0	15.0	--	1300
403939073472801 G 3112		112JMCO	78-11-30	429	--	--	--	--	150
		112JMCO	79-01-23	429	475	7.9	12.5	2.8	140

DATE OF SAMPLE	HARDNESS, NONCARBONATE (MG/L CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CaCO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)
78-11-30	--	350	130	600	48	7.0	14	--	--	--	--	91
79-01-23	1000	260	120	500	48	6.4	12	150	0	120	76	92
79-03-09	1300	320	130	570	48	6.8	11	98	0	80	16	160
78-11-30	--	38	13	27	28	1.0	2.6	--	--	--	--	13
79-01-23	78	36	12	29	31	1.1	2.9	75	0	62	1.5	11

DATE OF SAMPLE	CHLORIDE, DIS-SOLVED (MG/L AS CL)	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	NITROGEN, NITRATE DIS-SOLVED (MG/L AS N)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
78-11-30	980	.0	12	--	--	.17	.02	.19	--	--
79-01-23	1600	.1	18	2840	2680	.00	.00	.00	7900	1400
79-03-09	1800	.0	17	3490	3060	.00	.01	.01	10000	1500
78-11-30	92	.1	21	--	--	.03	.01	.04	--	--
79-01-23	92	.1	20	261	240	.00	.00	.00	500	100

Geological unit (aquifer):  
112JMCO - Jameco gravel, Pleistocene age.

PESTICIDE ANALYSES OF GROUND WATER  
WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

NASSAU COUNTY--Continued

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

STATION	NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	PCB, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)
404407073331501	N	9182 CDR CK DB WL 9A	211MGTY	79-06-14	195	.0	.00	.0	.00	.00
404407073331502	N	9183 CDR CK DB WL 9B	211MGTY	79-06-14	105	.0	.00	.0	.00	.00
404407073331503	N	9184 CDR CK DB WL 9C	112GLCLU	79-06-14	45	.0	.00	.0	.00	.00
404404073330401	N	9193 CDR CK DB WL 10A	211MGTY	79-05-02	205	.0	.00	.0	.00	.00
			211MGTY	79-08-06	205	.0	.00	.0	.00	.00
404404073330402	N	9194 CDR CK DB WL 10B	211MGTY	79-05-02	105	.0	.00	.0	.00	.00
			211MGTY	79-08-06	105	.2	.00	.0	.00	.00
404404073330403	N	9195 CDR CK DB WL 10C	112GLCLU	79-05-03	45	.0	.00	.0	.00	.00
			112GLCLU	79-08-08	45	.0	.00	.0	.00	.00
404404073325301	N	9196 CDR CK DB WL 11A	211MGTY	79-06-11	205	.0	.00	.0	.00	.00
404404073325302	N	9197 CDR CK DB WL 11B	211MGTY	79-06-11	95	.0	.00	.0	.00	.00
404404073325303	N	9198 CDR CK DB WL 11C	112GLCLU	79-06-11	45	.0	.00	.0	.00	.00

DATE OF SAMPLE	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)
79-06-14	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
79-06-14	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
79-06-14	.01	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
79-05-02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
79-08-06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
79-05-02	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00
79-08-06	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00
79-05-03	.00	.07	.05	.00	.00	.00	.00	.00	.00	.00	.00	.00
79-08-08	.00	.01	.04	.00	.00	.00	.00	.00	.00	.00	.00	.00
79-06-11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
79-06-11	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
79-06-11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE OF SAMPLE	MIREX, TOTAL (UG/L)	NAPIH- THA- LENES, POLY- CHLOR, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
79-06-14	.00	.00	.00	.00	0	.00	.00	.00	.00
79-06-14	.00	.00	.00	.00	0	.00	.00	.00	.29
79-06-14	.00	.00	.00	.00	0	.00	.00	.00	.00
79-05-02	.00	.00	.00	.00	0	.00	.00	.00	.00
79-08-06	.00	.00	.00	.00	0	.00	--	--	--
79-05-02	.00	.00	.00	.00	0	.00	.00	.00	.00
79-08-06	.00	.00	.00	.00	0	.00	.00	.00	.00
79-05-03	.00	.00	.00	.00	0	.00	.00	.00	.00
79-08-08	.00	.00	.00	.00	0	.00	.00	.00	.00
79-06-11	.00	.00	.00	.00	0	.00	.00	.00	.00
79-06-11	.00	.00	.00	.00	0	.00	.00	.00	.00
79-06-11	.00	.00	.00	.00	0	.00	.00	.00	.00

## PESTICIDE ANALYSES OF GROUND WATER

215

WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

NASSAU COUNTY--Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	PCB, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)
404407073331601 N	9199	211MGTY	79-07-18	105	.0	.00	.0	.00	.00
404407073331602 N	9200 CDR CK DB WL 8B	112GLCLU	79-04-04	45	.0	.00	.0	.00	.00
		112GLCLU	79-07-23	45	.0	.00	.0	.00	.00
404327073335901 N	9201	112GLCLU	79-06-27	45	.0	.00	.0	.00	.00
404425073324301 N	9217	112GLCLU	79-05-10	50	.0	.00	.0	.00	.00
404414073324001 N	9218	112GLCLU	79-05-10	45	.0	.00	.0	.00	.00
404353073331801 N	9219	211MGTY	79-07-16	95	.0	.00	.0	.00	.00
404353073331802 N	9220 CDR CK DB WL 14B	112GLCLU	79-04-02	45	.0	.00	.0	.00	.00
		112GLCLU	79-07-16	45	.0	.00	.0	.00	.00
404351073332701 N	9221	211MGTY	79-04-02	95	.0	.00	.0	.00	.00
		211MGTY	79-07-18	95	.0	.00	.0	.00	.00

DATE OF SAMPLE	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN, TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE, TOTAL (UG/L)	LINDANE, TOTAL (UG/L)	MALA-THION, TOTAL (UG/L)	METHYL PARA-THION, TOTAL (UG/L)	METHYL TRI-THION, TOTAL (UG/L)
79-07-18	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
79-04-04	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
79-07-23	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
79-06-27	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
79-05-10	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00
79-05-10	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00
79-07-16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
79-04-02	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
79-07-16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
79-04-02	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
79-07-18	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE OF SAMPLE	MIREX, TOTAL (UG/L)	NAPH-THA-LENES, POLY-CHLOR, TOTAL (UG/L)	PARA-THION, TOTAL (UG/L)	PER-THANE, TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T, TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
79-07-18	.00	.00	.00	.00	0	.00	.00	.00	.21
79-04-04	.00	.00	.00	.00	0	.00	.00	.00	.21
79-07-23	.00	.00	.00	.00	0	.00	.00	.00	.00
79-06-27	.00	.00	.00	.00	0	.00	.00	.00	.00
79-05-10	.00	.00	.00	.00	0	.00	.00	.00	.00
79-05-10	.00	.00	.00	.00	0	.00	.00	.00	.00
79-07-16	.00	.00	.00	.00	0	.00	.02	.00	.00
79-04-02	.00	.00	.00	.00	0	.00	.00	.00	.00
79-07-16	.00	.00	.00	.00	0	.00	.00	.00	.00
79-04-02	.00	--	--	.00	0	--	.00	.00	.00
79-07-18	.00	.00	.00	.00	0	.00	.00	.00	.00



PESTICIDE ANALYSES OF GROUND WATER  
WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

NASSAU COUNTY--Continued

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

STATION	NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	PCB, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)
404351073332702	N 9222		112GLCLU	79-04-04	45	.0	.00	.0	.00	.00
			112GLCLU	79-07-18	45	.0	.00	.0	.00	.00
404346073332001	N 9223		211MGTY	79-03-28	105	.0	.00	.0	.00	.00
			211MGTY	79-07-11	105	.0	.00	.0	.00	.00
404346073332002	N 9224		112GLCLU	79-03-28	45	.0	.00	.0	.00	--
			112GLCLU	79-07-11	45	.0	.00	.0	.00	.00
404331073330801	N 9225		112GLCLU	79-06-27	45	.0	.00	.0	.00	.00
404330073322901	N 9226		112GLCLU	79-06-27	45	.2	.00	.0	.00	.00
404430073331001	N 9234		211MGTY	79-06-20	205	.0	.00	.0	.00	.00
404430073331002	N 9235		211MGTY	79-06-20	105	.0	.00	.0	.00	.00
404410073333201	N 9239		211MGTY	79-06-06	205	.0	.00	.0	.00	.00
404410073333202	N 9240		211MGTY	79-06-06	105	.0	.00	.0	.00	.00

DATE OF SAMPLE	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)
79-04-04	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
79-07-18	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00
79-03-28	.00	.00	.00	.00	.00	.00	.00	.00	.00	--	.00	.00
79-07-11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
79-03-28	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
79-07-11	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
79-06-27	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00
79-06-27	.00	.00	.09	.00	.00	.00	.00	.00	.00	.57	.00	.00
79-06-20	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
79-06-20	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
79-06-06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
79-06-06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE OF SAMPLE	MIREX, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2, 4-D, TOTAL (UG/L)	2, 4, 5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
79-04-04	.00	--	--	.00	0	--	.00	.00	.00
79-07-18	.00	.00	.00	.00	0	.00	.00	.00	.00
79-03-28	.00	--	--	.00	0	--	.00	.00	.00
79-07-11	.00	.00	.00	.00	0	.00	.00	.00	.00
79-03-28	.00	--	--	.00	0	--	.00	.00	.00
79-07-11	.00	.00	.00	.00	0	.00	.00	.00	.00
79-06-27	.00	.00	.00	.00	0	.00	.00	.00	.00
79-06-27	.00	.00	.00	.00	0	.00	.00	.00	.00
79-06-20	.00	.00	.00	.00	0	.00	.00	.00	.00
79-06-20	.00	.00	.00	.00	0	.00	.00	.00	.00
79-06-06	.00	.00	.00	.00	0	.00	.00	.00	.00
79-06-06	.00	.00	.00	.00	0	.00	.00	.00	.00



## PESTICIDE ANALYSES OF GROUND WATER

217

WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

NASSAU COUNTY--Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	PCB, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR-DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)
40441007333203 N	9241	112GLCLU	79-06-06	45	.0	.00	.0	.00	.00
404402073323901 N	9244	211MGTY	79-05-09	205	.0	.00	.0	.00	.00
		211MGTY	79-07-30	205	.0	.00	.0	.00	.00
404345073324301 N	9247	211MGTY	79-04-09	95	.0	.00	.0	.00	.00
		211MGTY	79-07-23	95	.0	.00	.0	.00	.00
404345073324302 N	9248 CDR CK DB WL 15B	112GLCLU	79-04-09	45	.0	.00	.0	.00	.00
		112GLCLU	79-07-23	45	--	--	--	--	--
404331073324701 N	9252	211MGTY	79-06-18	195	.0	.00	.0	.00	.00
404331073324702 N	9253	211MGTY	79-06-18	95	.0	.00	.0	.00	.00
404410073331201 N	9360	211MGTY	79-04-16	205	.0	.00	.0	.00	.00
		211MGTY	79-07-25	205	.0	.00	.0	.00	.00
404410073331202 N	9361 CDR CK DB WL 3B	211MGTY	79-04-16	100	.0	.00	.0	.00	.00
		211MGTY	79-07-25	100	.0	.00	.0	.00	.00

DATE OF SAMPLE	DDT, TOTAL (UG/L)	DI-AZINON, TOTAL (UG/L)	DI-ELDRIN, TOTAL (UG/L)	ENDO-SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA-CHLOR, TOTAL (UG/L)	HEPTA-CHLOR EPOXIDE, TOTAL (UG/L)	LINDANE, TOTAL (UG/L)	MALATHION, TOTAL (UG/L)	METHYL-PARA-THION, TOTAL (UG/L)	METHYL-TRI-THION, TOTAL (UG/L)
79-06-06	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
79-05-09	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
79-07-30	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
79-04-09	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
79-07-23	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
79-04-09	.00	--	.00	.00	.00	--	.00	.00	.00	--	--	--
79-07-23	--	--	--	--	--	--	--	--	--	--	--	--
79-06-18	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
79-06-18	.00	.00	.01	.00	.00	.00	.01	.00	.00	.00	.00	.00
79-04-16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
79-07-25	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
79-04-16	.00	.00	.04	.00	.00	.00	.00	.00	.00	.00	.00	.00
79-07-25	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE OF SAMPLE	MIREX, TOTAL (UG/L)	NAPHTHALENES, POLY-CHLOR. TOTAL (UG/L)	PARATHION, TOTAL (UG/L)	PER-THANE, TOTAL (UG/L)	TOX-APHENE, TOTAL (UG/L)	TOTAL TRI-THION, TOTAL (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T, TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
79-06-06	.00	.00	.00	.00	0	.00	.00	.00	.00
79-05-09	.00	.00	.00	.00	0	.00	.00	.00	.00
79-07-30	.00	--	--	.00	0	--	.00	.00	.00
79-04-09	.00	.00	.00	.00	0	.00	.00	.00	.00
79-07-23	.00	.00	.00	.00	0	.00	.00	.00	.00
79-04-09	.00	.00	--	.00	0	--	.00	.00	.00
79-07-23	--	--	--	--	--	--	.00	.00	.00
79-06-18	.00	.00	.00	.00	0	.00	.00	.00	.00
79-06-18	.00	.00	.00	.00	0	.00	.00	.00	.00
79-04-16	.00	.00	.00	.00	0	.00	.00	.00	.00
79-07-25	.00	.00	.00	.00	0	.00	.00	.00	.00
79-04-16	.00	.00	.00	.00	0	.00	.00	.00	.13
79-07-25	.00	.00	.00	.00	0	.00	.01	.00	.04

PESTICIDE ANALYSES OF GROUND WATER  
WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

NASSAU COUNTY--Continued

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

STATION	NUMBER	LOCAL IDENT- IFIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	PCB, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)
404410073331203	N	9362		112GLCLU 79-04-16 112GLCLU 79-07-25	45 45	.0 .0	.00 .00	.0 .0	.00 .00	.00 .00
404412073331305	N	9363 CDR CK DB WL 4A	211MGTY	79-04-11 79-07-30	103 103	.0 .0	.00 .00	.0 .0	.00 .00	.00 .00
404412073331306	N	9364 CDR CK DB WL 4B	112GLCLU	79-04-11 112GLCLU 79-07-30	45 45	.0 .1	.00 .00	.0 .0	.00 .00	.00 .00
404351073330901	N	9365	211MGTY	79-03-26 211MGTY 79-07-11	95 95	.0 .0	.00 .00	.0 .0	.00 .00	.00 .00
404351073330902	N	9366 CDR CK DB WL 19B	112GLCLU	79-03-20 112GLCLU 79-03-20 112GLCLU 79-06-25 112GLCLU 79-06-25	45 45 45 45	.0 .0 .0 .0	.00 .00 .00 .00	.0 .0 .0 .0	.00 .00 .00 .00	.00 .00 .00 .00
404401073324801	N	9367 CDR CK DB WL 12A	211MGTY	79-06-25	105	.0	.00	.0	.00	.00
404401073324802	N	9368 CDR CK DB WL 12B	112GLCLU	79-06-25	45	.1	.00	.0	.00	.00

DATE OF SAMPLE	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)
79-04-16	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00
79-07-25	.00	.00	.02	.00	.00	.00	.00	.00	.00	.00	.00	.00
79-04-11	.00	--	.00	.00	.00	--	.00	.00	.00	--	--	--
79-07-30	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
79-04-11	.00	--	.00	.00	.00	--	.00	.00	.00	--	--	--
79-07-30	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00
79-03-26	.00	.00	1.4	.00	.00	.00	.00	.00	.00	.00	.00	.00
79-07-11	.00	.00	.73	.00	.00	.00	.00	.00	.00	.00	.00	.00
79-03-20	.00	.00	.08	.00	.00	.00	.00	.00	.00	.00	.00	.00
79-03-20	.00	.00	.10	.00	.00	.00	.00	.00	.00	.00	.00	.00
79-06-25	.00	.00	.11	.00	.00	.00	.00	.00	.00	.00	.00	.00
79-06-25	.00	.00	.15	.00	.00	.00	.00	.00	.00	.00	.00	.00
79-06-25	.00	.00	.03	.00	.00	.00	.00	.00	.00	.00	.00	.00
79-06-25	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE OF SAMPLE	MIREX, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
79-04-16	.00	.00	.00	.00	0	.00	.00	.00	.00
79-07-25	.00	.00	.00	.00	0	.00	.00	.00	.00
79-04-11	.00	.00	--	.00	0	--	.00	.00	2.7
79-07-30	.00	.00	.00	.00	0	.00	.51	.00	.00
79-04-11	.00	.00	--	.00	0	--	--	--	--
79-07-30	.00	.00	.00	.00	0	.00	.00	.00	.00
79-03-26	.00	.00	.00	.00	0	.00	.00	.00	.00
79-07-11	.00	.00	.00	.00	0	.00	.00	.00	.00
79-03-20	.00	.00	.00	.00	0	.00	.00	.00	.00
79-03-20	.00	.00	.00	.00	0	.00	.00	.00	.00
79-06-25	.00	.00	.00	.00	0	.00	.00	.01	.00
79-06-25	.00	.00	.00	.00	0	.00	.00	.00	.00
79-06-25	.00	.00	.00	.00	0	.00	.00	.00	.00
79-06-25	.00	.00	.00	.00	0	.00	.00	.00	.00

## PESTICIDE ANALYSES OF GROUND WATER

219

WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

NASSAU COUNTY--Continued

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

STATION	NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	PCB, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)
404414073325301	N 9449		211MGTY	79-05-16	198	.0	.00	.0	.00	.00
404414073325302	N 9450		211MGTY	79-05-16	105	.0	.00	.0	.00	.00
404414073325303	N 9451		112GLCLU	79-05-16	45	.3	.00	.0	.00	.00
			112GLCLU	79-08-08	45	.0	.00	.0	.00	.00

DATE OF SAMPLE	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)
79-05-16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
79-05-16	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
79-05-16	.00	.00	.13	.00	.00	.00	.00	.03	.00	.00	.00	.00
79-08-08	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE OF SAMPLE	MIREX, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
79-05-16	.00	.00	.00	.00	0	.00	.00	.00	.00
79-05-16	.00	.00	.00	.00	0	.00	.00	.00	.00
79-05-16	.00	.00	.00	.00	0	.00	.00	.00	.00
79-08-08	.00	.00	.00	.00	0	.00	.00	.00	.00

Note: See tables of Quality of Ground Water for additional analyses.

Geological unit (aquifer):

112GLCLU - Upper glacial aquifer, Pleistocene age.

211MGTY - Magothy aquifer, Cretaceous age.

MINOR ELEMENT ANALYSES OF GROUND WATER  
WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## NASSAU COUNTY--Continued

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

STATION	NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
404407073331501	N	9182 CDR CK DB WL 9A	211MGTY	79-06-14	195	30	0	0	5	10
404407073331502	N	9183 CDR CK DB WL 9B	211MGTY	79-06-14	105	50	1	0	0	10
404407073331503	N	9184 CDR CK DB WL 9C	112GLCLU	79-06-14	45	830	2	0	1	10
404404073330401	N	9193 CDR CK DB WL 10A	211MGTY	79-05-02	205	60	2	100	0	30
			211MGTY	79-08-06	205	120	3	0	0	<10
404404073330402	N	9194 CDR CK DB WL 10B	211MGTY	79-05-02	105	30	2	100	0	30
			211MGTY	79-08-06	105	60	3	0	4	<10
404404073330403	N	9195 CDR CK DB WL 10C	112GLCLU	79-05-03	45	180	3	100	0	30
			112GLCLU	79-08-08	45	160	3	0	0	10
404404073325301	N	9196 CDR CK DB WL 11A	211MGTY	79-06-11	205	50	0	0	0	20
404404073325302	N	9197 CDR CK DB WL 11B	211MGTY	79-06-11	95	150	0	0	0	20
404404073325303	N	9198 CDR CK DB WL 11C	112GLCLU	79-06-11	45	1600	1	100	0	20

DATE OF SAMPLE	COBALT, TOTAL RECOVERABLE (UG/L AS CO)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LITHIUM TOTAL RECOVERABLE (UG/L AS LI)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOVERABLE (UG/L AS AG)
79-06-14	0	5	50	50	0	3	0	0	0	19	1	0
79-06-14	0	4	60	20	40	1	0	10	0	17	0	0
79-06-14	2	47	800	800	0	5	0	20	0	87	0	0
79-05-02	3	4	200	190	10	0	0	10	0	18	1	0
79-08-06	1	2	80	80	0	4	0	0	1	4	1	0
79-05-02	8	8	50	30	20	0	0	180	0	22	0	3
79-08-06	4	8	80	60	20	6	0	190	1	4	0	0
79-05-03	7	12	50	30	20	0	0	1500	0	7	0	0
79-08-08	3	9	90	80	10	5	0	2000	1	3	0	1
79-06-11	0	3	<100	<90	10	0	0	10	2	20	0	0
79-06-11	0	4	120	110	10	2	0	90	1	19	0	0
79-06-11	0	10	1300	1300	10	0	0	1200	1	22	0	0

DATE OF SAMPLE	STRONTIUM, TOTAL RECOVERABLE (UG/L AS SR)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
79-06-14	160	10
79-06-14	160	20
79-06-14	120	70
79-05-02	160	40
79-08-06	140	160
79-05-02	100	10
79-08-06	80	20
79-05-03	80	20
79-08-08	80	110
79-06-11	150	30
79-06-11	170	30
79-06-11	170	40

WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## NASSAU COUNTY--Continued

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

STATION	NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
404407073331601	N 9199		211MGTY	79-04-04	105	20	--	--	--	--
			211MGTY	79-07-18	105	50	2	0	0	--
404407073331602	N 9200	CDR CK DB WL 8B	112GLCLU	79-04-04	45	140	--	--	--	--
			112GLCLU	79-07-23	45	110	2	0	0	10
404327073335901	N 9201		112GLCLU	79-06-27	45	50	2	100	0	20
404353073331801	N 9219		211MGTY	79-04-02	95	40	1	100	0	10
			211MGTY	79-07-16	95	30	2	100	0	30
404353073331802	N 9220	CDR CK DB WL 14B	112GLCLU	79-04-02	45	70	1	100	0	<10
			112GLCLU	79-07-16	45	80	2	0	1	20
404351073332701	N 9221		211MGTY	79-04-02	95	30	2	100	0	10
			211MGTY	79-07-18	95	60	2	0	0	--
404351073332702	N 9222		112GLCLU	79-04-04	45	50	--	--	--	--
			112GLCLU	79-07-18	45	50	1	0	1	--

DATE OF SAMPLE	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LITHIUM TOTAL RECOV- ERABLE (UG/L AS LI)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MOLYB- DENUM, TOTAL RECOV- ERABLE (UG/L AS MO)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)
79-04-04	--	--	60	--	--	--	--	0	--	--	--	--
79-07-18	1	2	70	60	10	0	0	0	0	4	0	0
79-04-04	--	--	200	--	--	--	--	10	--	--	--	--
79-07-23	0	0	210	180	30	5	0	0	5	0	0	0
79-06-27	0	2	80	70	10	0	0	10	2	3	0	0
79-04-02	0	3	20	10	10	1	0	0	0	15	0	2
79-07-16	0	2	30	20	10	7	0	10	0	6	0	0
79-04-02	0	4	80	70	10	1	0	0	0	12	0	0
79-07-16	0	3	110	110	0	5	0	10	0	2	0	0
79-04-02	0	3	30	20	10	0	0	10	0	11	0	0
79-07-18	0	2	50	40	10	2	0	10	0	4	0	0
79-04-04	--	--	60	--	--	--	--	590	--	--	--	--
79-07-18	0	12	80	60	20	2	0	650	0	7	0	0

DATE OF SAMPLE	STRON- TIUM, TOTAL RECOV- ERABLE (UG/L AS SR)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
79-04-04	--	--
79-07-18	70	20
79-04-04	--	--
79-07-23	110	40
79-06-27	120	20
79-04-02	120	70
79-07-16	130	10
79-04-02	110	50
79-07-16	90	20
79-04-02	200	40
79-07-18	140	20
79-04-04	--	--
79-07-18	80	30

MINOR ELEMENT ANALYSES OF GROUND WATER  
WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## NASSAU COUNTY--Continued

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

STATION	NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
404346073332001	N 9223		211MGTY	79-03-28	105	40	1	0	0	10
			211MGTY	79-07-11	105	50	2	0	0	20
404346073332002	N 9224		112GLCLU	79-03-28	45	80	2	0	0	20
			112GLCLU	79-07-11	45	40	2	0	0	30
404331073330801	N 9225		112GLCLU	79-06-27	45	110	2	100	0	30
404330073322901	N 9226		112GLCLU	79-06-27	45	70	2	100	0	30
404430073331001	N 9234		211MGTY	79-06-20	205	60	0	0	1	10
404430073331002	N 9235		211MGTY	79-06-20	105	50	5	100	1	30
404410073333201	N 9239		211MGTY	79-06-06	205	70	0	100	1	30
404410073333202	N 9240		211MGTY	79-06-06	105	100	0	100	1	30
404410073333203	N 9241		112GLCLU	79-06-06	45	1400	1	100	1	20

DATE OF SAMPLE	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LITHIUM TOTAL RECOV- ERABLE (UG/L AS LI)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MOLYB- DENUM, TOTAL RECOV- ERABLE (UG/L AS MO)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)
79-03-28	0	2	10	0	10	0	0	10	0	13	1	1
79-07-11	0	2	40	40	0	4	0	10	0	3	0	1
79-03-28	0	4	30	20	10	0	0	10	0	11	0	0
79-07-11	0	2	40	30	10	7	0	10	1	2	0	1
79-06-27	2	3	50	30	20	0	0	950	2	10	0	0
79-06-27	2	3	150	140	10	0	0	1100	2	27	0	0
79-06-20	2	3	50	50	0	5	0	10	0	17	0	0
79-06-20	0	2	60	40	20	5	0	20	0	13	0	0
79-06-06	0	3	10	0	10	2	0	0	0	14	0	0
79-06-06	1	2	10	0	10	5	0	10	0	20	0	0
79-06-06	5	10	120	110	10	3	0	790	0	12	0	0

DATE OF SAMPLE	STRON- TIUM, TOTAL RECOV- ERABLE (UG/L AS SR)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
79-03-28	150	40
79-07-11	130	10
79-03-28	80	30
79-07-11	90	10
79-06-27	200	30
79-06-27	260	30
79-06-20	40	10
79-06-20	30	20
79-06-06	40	30
79-06-06	170	30
79-06-06	100	60

WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## NASSAU COUNTY--Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOVERABLE (UG/L AS BA)	CADMIUM, TOTAL RECOVERABLE (UG/L AS CD)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
404402073323901 N	9244	211MGTY	79-07-30	205	450	2	0	0	<10
404345073324301 N	9247	211MGTY	79-04-09	95	110	2	100	0	30
		211MGTY	79-07-23	95	90	2	0	0	30
404345073324302 N	9248 CDR CK DB WL 15B	112GLCLU	79-04-09	45	270	3	100	0	10
		112GLCLU	79-07-23	45	80	2	0	0	10
404331073324701 N	9252	211MGTY	79-06-18	195	160	1	0	0	10
404331073324702 N	9253	211MGTY	79-06-18	95	90	0	0	1	10
405128073370602 N	9334T	211LLYD	78-10-10	603	--	--	--	--	--
404410073331201 N	9360	211MGTY	79-04-16	205	70	3	0	0	10
		211MGTY	79-07-25	205	40	4	0	0	<10
404410073331202 N	9361 CDR CK DB WL 3B	211MGTY	79-04-16	100	270	3	0	0	10
		211MGTY	79-07-25	100	320	3	0	0	10

DATE OF SAMPLE	COBALT, TOTAL RECOVERABLE (UG/L AS CO)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, SUSPENDED RECOVERABLE (UG/L AS FE)	IRON, DIS-SOLVED (UG/L AS FE)	LEAD, TOTAL RECOVERABLE (UG/L AS PB)	LITHIUM, TOTAL RECOVERABLE (UG/L AS LI)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	SELENIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOVERABLE (UG/L AS AG)
79-07-30	3	6	290	80	210	4	0	20	0	6	0	0
79-04-09	1	2	180	100	80	4	0	10	1	25	0	0
79-07-23	0	1	180	70	110	2	0	0	5	0	0	0
79-04-09	1	4	80	70	10	6	0	10	2	15	0	0
79-07-23	0	2	40	0	40	0	0	30	0	2	0	0
79-06-18	1	4	1000	100	900	3	0	30	0	13	0	0
79-06-18	0	7	60	50	10	2	0	240	0	11	0	0
78-10-10	--	--	40	--	30	--	--	10	--	--	--	--
79-04-16	1	3	10	0	10	8	0	10	0	14	0	0
79-07-25	1	7	80	60	20	3	0	10	0	3	0	0
79-04-16	1	2	360	330	30	1	0	0	9	8	0	0
79-07-25	1	7	520	500	20	4	0	20	0	6	0	0

DATE OF SAMPLE	STRONTIUM, TOTAL RECOVERABLE (UG/L AS SR)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
79-07-30	130	30
79-04-09	270	20
79-07-23	270	30
79-04-09	100	30
79-07-23	110	80
79-06-18	100	20
79-06-18	110	20
78-10-10	--	--
79-04-16	50	10
79-07-25	50	20
79-04-16	230	20
79-07-25	230	40



MINOR ELEMENT ANALYSES OF GROUND WATER  
WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

NASSAU COUNTY--Continued

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

STATION	NUMBER	LOCAL IDENT- IFIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
404410073331203	N 9362		112GLCLU	79-07-25	45	130	3	0	0	<10
404412073331305	N 9363	CDR CK DB WL 4A	211MGTY	79-04-11	103	100	3	0	0	20
			211MGTY	79-07-30	103	40	3	0	0	<10
404412073331305	N 9364	CDR CK DB WL 4B	112GLCLU	79-04-11	45	270	3	100	1	10
			112GLCLU	79-07-30	45	110	3	0	1	<10
404351073330901	N 9365		211MGTY	79-03-26	95	40	1	0	0	30
			211MGTY	79-07-11	95	20	2	0	0	30
404351073330902	N 9366	CDR CK DB WL 19B	112GLCLU	79-03-20	45	70	2	100	0	10
			112GLCLU	79-03-20	45	120	2	100	0	10
			112GLCLU	79-06-25	45	50	2	0	0	20
			112GLCLU	79-06-25	45	50	2	100	1	20
404401073324801	N 9367	CDR CK DB WL 12A	211MGTY	79-06-25	105	50	2	100	0	20
404401073324802	N 9368	CDR CK DB WL 12B	112GLCLU	79-06-25	45	--	--	--	--	--

DATE OF SAMPLE	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LITHIUM TOTAL RECOV- ERABLE (UG/L AS LI)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MOLYB- DENUM, TOTAL RECOV- ERABLE (UG/L AS MO)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)
79-07-25	1	7	170	160	10	4	0	20	0	10	0	0
79-04-11	0	2	70	60	10	4	0	0	0	14	0	0
79-07-30	0	4	80	80	0	3	0	0	0	5	0	0
79-04-11	1	4	200	--	--	6	0	0	0	22	0	0
79-07-30	0	6	120	110	10	4	0	70	0	11	0	0
79-03-26	1	3	60	50	10	5	0	10	2	19	0	0
79-07-11	0	1	60	50	10	4	0	10	0	3	0	0
79-03-20	0	5	80	70	10	4	0	300	2	18	0	0
79-03-20	0	5	140	130	10	3	0	280	2	22	0	0
79-06-25	0	4	40	30	10	3	0	70	0	30	0	0
79-06-25	0	4	40	20	20	2	0	80	0	15	0	0
79-06-25	1	5	60	40	20	2	0	900	0	20	0	0
79-06-25	--	--	40	30	10	--	--	10	--	--	--	--

DATE OF SAMPLE	STRON- TIUM, TOTAL RECOV- ERABLE (UG/L AS SR)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
79-07-25	110	20
79-04-11	110	30
79-07-30	100	20
79-04-11	120	30
79-07-30	100	20
79-03-26	80	30
79-07-11	90	20
79-03-20	80	20
79-03-20	60	30
79-06-25	150	50
79-06-25	120	20
79-06-25	100	40
79-06-25	--	--

WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## NASSAU COUNTY--Continued

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

STATION	NUMBER	LOCAL IDENT- IFIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL)	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
404414073325302	N 9450		211MGTY	79-05-16	105	80	3	100	1	30
404414073325303	N 9451		112GLCLU	79-05-16	45	3900	2	100	1	20
			112GLCLU	79-08-08	45	--	--	--	--	--

DATE OF SAMPLE	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LITHIUM TOTAL RECOV- ERABLE (UG/L AS LI)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MOLYB- DENUM, TOTAL RECOV- ERABLE (UG/L AS MO)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)
79-05-16	0	2	60	50	10	7	0	40	0	34	0	0
79-05-16	2	7	3000	3000	10	0	30	970	2	27	0	0
79-08-08	--	--	1400	1400	10	--	--	50	--	--	--	--

DATE OF SAMPLE	STRON- TIUM, TOTAL RECOV- ERABLE (UG/L AS SR)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
79-05-16	260	30
79-05-16	170	50
79-08-08	--	--

Note: See tables of Quality of Ground Water for additional analyses.

## Geological unit (aquifer):

- 112GLCLU - Upper glacial aquifer, Pleistocene age.
- 211LLYD - Llyod aquifer, Cretaceous age.
- 211MGTY - Magothy aquifer, Cretaceous age.

## QUALITY OF GROUND WATER

## SUFFOLK COUNTY

## WELL INDEX

Quality of ground-water records for Suffolk County are divided into three 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
184	248	20603	259	31039	271
871	248	20635	259	31104	271
872	248	20688	259	31624	271
1331	248	20689	260	31653	271
1340	248	20955	260	31913	272
1341	248	21121	260	32180	272
1811	228	21244	260	32287	272
2405	248	21247	260	32325	272
2415	249	21366	260	32326	272
2570	249	21487	261	32501	272
2978	249	21632	261	32551	273
3615	249	21945	261	32552	273
3813	249	22048	261	33005	273
3814	249	22171	261	33006	273
3815	250	22351	261	33308	273
4184	250	22362	262	33500	273
4372	250	22389	262	33820	273
7570	250	22471	262	33826	274
8439	250	22547	262	33970	274
9893	250	22548	262	34007	274
11105	251	22640	262	34030	274
11810	251	22711	263	34031	274
11891	251	23046	263	34300	274
12130	251	23183	263	34301	275
13534	251	23184	263	34460	275
13620	251	23185	263	34522	275
14326	252	23186	263	34595	275
14710	252	23255	264	34733	275
14792	252	23371	264	35033	275
14828	252	23440	264	35446	275
14921	252	23445	264	35494	276
15514	252	23524	264	35939	276
15515	253	23631	264	36166	276
15746	253	23699	265	36185	276
15776	253	23715	265	36459	276
15898	253	23848	265	36460	277
15923	253	24047	265	36711	277
15962	253	24323	265	36714	277
16124	253	24545	265	36748	277
16129	254	24663	266	36791	277
16176	254	25617	266	36869	277
16256	254	25674	266	36976	277
16309	254	25776	266	37140	278
16668	254	26490	266	37141	278
16892	254	26535	266	37174	278
17037	255	27070	267	37301	278
17474	255	27192	267	37351	278
17630	255	27259	267	37494	278
17689	255	27533	267	37681	279
18003	255	27784	267	37847	279
18261	255	28408	267	37861	279
18566	256	28503	268	37963	279
18621	256	28767	268	38192	279
18762	256	28819	268	38194	279
19048	256	28928	268	38320	280
19198	256	29411	268	38321	280
19399	256	29491	268	38491	280
19408	257	29492	268	38701	280
19465	257	29732	269	38784	280
19565	257	30088	269	38785	280
19584	257	30117	269	38917	280
19884	257	30118	269	39024	281
19885	257	30207	269	39347	281
20057	258	30208	270	39406	281
20300	258	30227	270	39531	281
20369	258	30228	270	39536	281
20460	258	30234	270	40161	281
20479	258	30506	270	40330	282
20530	259	30762	270	40331	282
20560	259	31037	271	40497	282
20566	259	31038	271	40498	282

QUALITY OF GROUND WATER

227

SUFFOLK COUNTY

WELL INDEX

Local Well Number	Page	Local Well Number	Page	Local Well Number	Page
40709	282	47224	238	51572	245
40710	282	47225	228	51573	245
40711	282	47226	239	51575	245
40837	283	47227	239	51576	245
40838	283	47228	239	51577	245
40980	283	47229	239	51579	245
41050	228	47230	239	51580	245
42226	283	47231	239	51583	245
42227	283	47232	239	51586	245
42270	283	47310	288	51588	246
42473	284	47435	288	51589	246
42499	284	47436	288	51591	246
42504	284	47437	288	51592	246, 291
42505	284	47453	288	51609	291
42760	284	47673	289	51673	292
42761	285	47675	228, 239	51953	292
42762	285	47698	228, 240	52126	292
42827	285	47718	229	52449	246
43001	285	47743	240	52451	292
43117	285	47745	229	52490	292
43641	285	47746	240	52886	246
43808	233	47747	240	52944	292
43809	233	47748	240	52945	293
43810	233	47749	229, 240	53074	293
43811	233	47750	240	53291	293
43812	233	47751	240	53360	293
43813	234	47752	241	53361	293
43814	234	47753	241	53497	293
43815	234	47754	241	53522	294
43816	234	47755	241	53593	294
43817	234	47756	229	53747	294
43818	234	47757	229, 241	53850	294
43819	234	47758	229, 241	53851	294
43820	234	47886	289	54162	294
43821	235	47887	289	54305	295
43822	235	47945	229	54308	295
44774	286	47973	229, 241	54473	295
44914	235	47974	241	54568	295
45053	235	47975	229, 242	54730	295
45207	235	47976	229, 242	55028	295
45208	235	47977	242	55463	296
45210	235	48014	289	55502	296
45212	235	48193	289	55733	296
45346	228	48425	242	55734	296
45402	236	48427	242	56038	296
45446	236	48428	242	56133	296
45447	236	48430	242	56674	297
45594	236	48432	242	57008	297
45610	286	48433	242	57357	297
45636	236	48434	243	57466	230
45637	236	48435	243	57467	230
45717	236	48436	243	57468	230
45718	237	48439	243	57469	230
45719	237	48440	243	57478	230
45720	237	48441	243	57479	230
45721	237	48442	243	57871	297
45722	237	48518	243	57979	297
45838	228	48581	243	57980	297
45839	286	48582	243	58708	298
45840	286	48583	244	58761	298
46235	286	48584	244	59259	231
46281	237	48651	230, 244	59347	298
46283	237	48719	289	59744	298
46284	237	48759	244	60486	298
46287	238	48946	244	62234	231
46400	286	48958	230, 244	62237	231
46712	287	49018	289	62238	231
46713	287	49606	290	62404	231
46830	287	50546	290	65595	231
46928	287	50630	290	65597	231
46962	238	50971	230	65598	231
46963	238	51214	290	65599	231
46964	238	51266	290	65855	232
46965	238	51274	290	66506	246
47024	287	51275	291	66507	246
47035	287	51298	291	66508	246
47100	228	51457	291	66509	246
47219	288	51519	291	66510	247
47220	238	51566	244	66512	247
47223	238	51567	244	66513	247

## QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## SUFFOLK COUNTY

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

STATION NUMBER	LOCAL IDENTIFIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)
404957073073401 S 1811		112GLCLU	78-10-16	23	350	5.6	18.0	--	30
405223073021301 S 41050		112GLCLU	78-10-16	71	255	4.2	12.0	1.3	67
		112GLCLU	79-04-19	71	340	6.3	13.0	--	60
405341073003201 S 45346	NORTH ISLE S. T. P	112GLCLU	78-10-18	87	235	5.5	13.0	--	45
		112GLCLU	79-04-18	87	400	5.0	14.0	--	80
405213072580001 S 45838	HOMESTEAD VILL.	112GLCLU	78-10-16	57	240	6.6	14.0	--	13
		112GLCLU	79-04-18	57	480	6.5	15.0	--	45
405140073005701 S 47100	VILL. WOODS S. T.	112GLCLU	78-10-16	139	275	6.0	17.0	--	82
		112GLCLU	79-04-19	139	365	6.0	17.5	--	70
405218072561101 S 47225		112GLCLU	78-10-17	30	183	5.0	11.0	1.3	62
405111073065801 S 47675		112GLCLU	78-10-19	90	145	5.9	12.0	--	19
405307073060901 S 47698		112GLCLU	78-10-19	103	40	6.6	11.5	--	9

DATE OF SAMPLE	MAGNESIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	NITROGEN, NITRATE DIS-SOLVED (MG/L AS N)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
78-10-16	4.0	20	58	1.6	1.0	5	2.0	67	--	--	40000	610
78-10-16	7.8	22	40	1.2	3.0	18	20	21	8.7	.00	1000	0
79-04-19	6.6	22	43	1.2	3.5	18	25	21	13	.01	1500	40
78-10-18	3.1	26	52	1.7	5.6	10	22	24	13	.00	1100	680
79-04-18	6.1	18	31	.9	6.6	16	52	12	14	.01	1000	1400
78-10-16	.8	46	86	5.5	2.7	60	11	31	.73	.00	1200	990
79-04-18	3.0	30	54	2.0	9.2	14	29	26	6.4	.00	300	5700
78-10-16	8.3	25	39	1.2	1.9	48	16	28	7.1	.01	8400	320
79-04-19	7.4	29	46	1.5	2.1	39	26	29	10	.00	500	50
78-10-17	3.0	4.3	12	.5	3.7	11	43	7.1	.27	.00	1100	0
78-10-19	1.2	22	69	2.2	2.0	35	12	16	.43	.00	1300	80
78-10-19	1.0	4.0	47	.6	.6	11	2.7	5.3	.48	.00	780	10

DATE OF SAMPLE	CARBON, ORGANIC TOTAL (MG/L AS C)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
78-10-16	--	.00
78-10-16	--	--
79-04-19	--	.10
78-10-18	--	.10
79-04-18	--	.10
78-10-16	--	.50
79-04-18	--	.10
78-10-16	--	.10
79-04-19	--	.10
78-10-17	--	--
78-10-19	--	.00
78-10-19	--	.00

## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## SUFFOLK COUNTY---Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)
404941073065401 S 47718		112GLCLU	78-10-16	51	205	6.3	11.0	1.6	42
405417072572701 S 47745		112GLCLU	78-10-17	32	87	5.1	11.5	3.2	16
405338072530401 S 47749		112GLCLU	78-10-17	32	500	5.2	13.0	--	81
404922072595001 S 47756		112GLCLU	78-10-17	69	75	6.0	11.0	--	15
405008073025501 S 47757		112GLCLU	78-10-17	138	215	6.0	12.0	--	85
404852073050401 S 47758		112GLCLU	78-10-17	102	260	5.9	11.0	--	46
405648072555101 S 47945		112GLCLU	78-10-16	142	60	5.8	11.0	--	18
405604073064301 S 47973		112GLCLU	78-10-19	90	310	6.3	12.0	--	140
405050072595301 S 47975		112GLCLU	78-10-16	129	150	6.5	11.0	--	70
405605072591501 S 47976		112GLCLU	78-10-16	138	170	5.7	11.0	--	54

DATE OF SAMPLE	MAGNESIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	NITROGEN, NITRATE DIS-SOLVED (MG/L AS N)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
78-10-16	3.5	20	49	1.3	2.9	44	12	22	.51	.01	3800	290
78-10-17	1.5	8.5	51	.0	1.5	2	14	11	.07	.01	1300	30
78-10-17	4.4	55	59	2.7	2.7	11	39	99	6.0	.00	5400	990
78-10-17	2.0	9.0	55	1.0	.9	9	5.8	13	.17	.00	5600	40
78-10-17	7.9	10	20	.5	1.0	22	8.8	46	2.0	.00	910	60
78-10-17	2.7	34	60	2.2	1.8	12	17	64	1.8	.00	2800	60
78-10-16	1.7	4.9	35	.5	1.4	11	10	6.0	.35	.00	1800	100
78-10-19	10	10	13	.4	1.4	21	100	13	5.5	.00	180	10
78-10-16	6.6	5.3	14	.3	.9	43	14	9.6	1.7	.00	1500	20
78-10-16	5.3	14	35	.8	1.1	21	23	19	4.2	.00	2200	60

DATE OF SAMPLE	CARBON, ORGANIC TOTAL (MG/L AS C)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
78-10-16	--	--
78-10-17	--	--
78-10-17	--	--
78-10-17	--	.00
78-10-17	--	.00
78-10-17	--	.00
78-10-16	--	.00
78-10-19	--	.00
78-10-16	--	.00
78-10-16	--	.00

## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## SUFFOLK COUNTY--Continued

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

STATION NUMBER	LOCAL IDENT-- I-- FIER	GEO-- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	HARD- NESS (MG/L AS CaCO3)
405136073041601 S 48651		112GLCLU	78-10-17	64	320	6.0	12.0	--	69
		112GLCLU	79-04-18	64	310	5.6	12.7	---	42
405259073010301 S 48958		112GLCLU	78-10-16	81	125	6.4	11.0	--	30
405456073020801 S 50971	WOODHAVEN MAN. S	112GLCLU	78-10-18	109	275	5.8	23.0	--	46
		112GLCLU	79-04-19	109	610	6.3	20.0	--	42
404702073093701 S 57466		112GLCLU	78-10-04	13	52	4.9	13.5	3.1	7
404702073093702 S 57467		112GLCLU	78-10-04	51	38	5.9	9.5	6	10
404700073092301 S 57468		112GLCLU	78-10-04	24	40	5.9	12.0	--	10
404700073092302 S 57469		112GLCLU	78-10-04	44	34	5.7	10.2	--	9
404619073093201 S 57478		112GLCLU	78-10-03	6.8	52	8.4	11.0	4.8	21
404619073093202 S 57479		112GLCLU	78-10-03	11	60	8.1	10.2	---	26

DATE OF SAMPLE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY (MG/L AS CaCO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)
78-10-17	4.1	37	53	1.9	2.6	20	21	59	5.9	.00	660	50
79-04-18	2.9	24	54	1.6	2.2	16	12	41	3.7	.01	5300	30
78-10-16	2.9	13	48	1.0	1.0	14	20	9.0	2.6	.00	540	20
78-10-18	3.2	36	60	2.3	4.5	33	5.1	21	20	.00	190	40
79-04-19	2.8	45	65	3.0	9.7	98	5.9	27	4.6	.01	540	20
78-10-04	.9	4.5	53	.7	.9	2	9.7	6.6	.00	.00	80	60
78-10-04	1.6	4.1	45	.6	.6	1	3.1	6.4	.59	.00	10	0
78-10-04	1.2	2.8	34	.4	1.3	3	8.5	3.9	.03	.00	50	30
78-10-04	1.0	2.6	37	.4	.7	7	6.9	3.5	.00	.00	350	20
78-10-03	2.4	3.0	23	.3	.6	19	1.9	3.8	.03	.01	5400	50
78-10-03	2.8	3.1	20	.3	.6	25	.2	3.4	.03	.01	3700	20

DATE OF SAMPLE	CARBON, ORGANIC TOTAL (MG/L AS C)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)
78-10-17	--	.10
79-04-18	--	.00
78-10-16	--	.00
78-10-18	--	.10
79-04-19	--	.00
78-10-04	.3	---
78-10-04	.3	--
78-10-04	.3	--
78-10-04	1.9	--
78-10-03	.1	--
78-10-03	.1	---



## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## SUFFOLK COUNTY--Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)
405243073070401 S 59259	STONYBROOK S. T. P	112GLCLU	78-10-19	--	375	6.3	16.0	--	20
		112GLCLU	79-04-19	--	500	6.4	18.0	--	19
404700073092303 S 62234		112GLCLU	78-10-04	62	135	5.9	10.0	--	15
404619073093203 S 62237		112GLCLU	78-10-03	44	67	8.5	10.2	3.1	30
404711073100901 S 62238		112GLCLU	78-10-03	42	65	7.0	10.0	1.0	25
405033072560001 S 62404		112GLCLU	78-10-16	45	200	5.7	13.0	2.3	40
		112GLCLU	79-04-20	45	320	5.0	12.5	--	43
404711073100902 S 65595		112GLCLU	78-10-03	3.8	72	7.4	11.0	1.1	25
404702073093703 S 65597		112GLCLU	78-10-04	101	83	8.3	10.0	--	39
404711073100903 S 65598		112GLCLU	78-10-03	102	65	6.9	10.0	.7	25
404700073092304 S 65599		112GLCLU	78-10-04	119	45	6.8	10.5	--	15

DATE OF SAMPLE	MAGNESIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	NITROGEN, NITRATE DIS-SOLVED (MG/L AS N)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
78-10-19	1.1	65	81	6.3	10	82	29	45	.00	.14	160	2000
79-04-19	1.2	61	79	6.0	12	62	32	45	.08	.00	140	1800
78-10-04	2.0	17	69	1.9	1.3	9	11	27	.00	.00	11000	30
78-10-03	3.4	3.2	18	.3	.7	33	.1	3.3	.01	.01	1800	20
78-10-03	2.6	4.1	26	.4	.8	28	3.1	4.1	.10	.01	80	20
78-10-16	3.1	18	47	1.2	3.1	2	24	24	5.9	.01	250	210
79-04-20	3.2	23	51	1.5	3.8	7	25	38	5.4	.00	180	140
78-10-03	2.8	4.6	28	.4	.8	27	1.9	4.9	.05	.00	25000	270
78-10-04	4.6	3.5	16	.2	1.3	39	.9	4.2	.00	.00	1800	100
78-10-03	2.6	4.0	25	.4	.8	27	1.2	4.0	.06	.00	50	60
78-10-04	1.6	4.3	37	.5	.8	16	.9	4.2	.55	.00	20	20

DATE OF SAMPLE	CARBON, ORGANIC TOTAL (MG/L AS C)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
78-10-19	--	.30
79-04-19	--	.20
78-10-04	.4	--
78-10-03	.1	--
78-10-03	.0	--
78-10-16	--	--
79-04-20	--	.00
78-10-03	24	--
78-10-04	.5	--
78-10-03	1.0	--
78-10-04	.6	--

## QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## SUFFOLK COUNTY--Continued

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

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)
405351072535101 S 65855		112GLCLU	78-10-17	32	200	6.0	11.0	--	29

DATE OF SAMPLE	MAGNESIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	NITROGEN, NITRATE DIS-SOLVED (MG/L AS N)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
78-10-17	2.9	27	66	2.2	1.6	11	20	41	1.4	.00	580	790

DATE OF SAMPLE	CARBON, ORGANIC TOTAL (MG/L AS C)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
78-10-17	---	.00

## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## 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 (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)			
404323073253401 S 43808		112GLCLU	79-07-10	54	202	6.2	13.0	2.2	19			
		112GLCLU	79-08-09	54	220	5.8	13.5	.6	16			
		112GLCLU	79-08-13	54	222	5.9	13.5	.5	16			
404124073241601 S 43809		112GLCLU	79-06-26	34	225	5.5	13.0	.3	47			
		112GLCLU	79-07-10	34	405	5.2	12.0	1.0	56			
		112GLCLU	79-07-31	34	320	5.2	12.0	.6	51			
		112GLCLU	79-08-09	34	320	5.3	12.0	.4	45			
		112GLCLU	79-08-13	34	320	5.3	12.0	.5	51			
404124073241602 S 43810		112GLCLU	79-06-26	71	400	4.9	12.0	.8	60			
		112GLCLU	79-07-10	71	230	5.6	13.0	.2	49			
		112GLCLU	79-07-31	71	260	5.6	13.0	.5	47			
		112GLCLU	79-08-09	71	290	5.5	13.0	.3	52			
		112GLCLU	79-08-13	71	260	5.6	13.0	.3	51			
404530073241101 S 43811		112GLCLU	79-08-09	85	560	6.2	14.0	6.6	180			
404158073225801 S 43812		112GLCLU	79-06-26	30	520	6.2	13.0	.3	110			
		112GLCLU	79-08-01	30	430	6.3	14.0	.3	100			
DATE OF SAMPLE	MAGNESIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	NITROGEN, NITRATE DIS-SOLVED (MG/L AS N)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N)	PHOSPHORUS, ORTHO, DIS-SOLVED (MG/L AS P)
79-07-10	.8	28	72	2.8	4.1	22	32	19	2.0	.00	1.2	<.00
79-08-09	.7	27	74	3.0	3.8	23	34	18	1.2	.00	1.0	<.00
79-08-13	.7	27	74	2.9	3.9	23	34	18	1.1	.00	1.0	<.00
79-06-26	3.0	14	36	.9	5.0	10	45	19	4.1	.00	2.8	<.00
79-07-10	3.4	48	63	2.8	3.0	6	29	78	4.9	.00	.64	<.00
79-07-31	2.7	36	59	2.2	2.4	6	33	48	3.3	.00	.40	<.00
79-08-09	2.5	31	58	2.0	2.2	6	38	46	3.4	.00	.32	<.00
79-08-13	2.6	30	55	1.8	2.3	5	39	45	3.3	.00	.33	<.00
79-06-26	3.6	47	61	2.6	3.6	3	23	79	5.7	.00	.90	<.00
79-07-10	3.1	14	36	.9	5.0	12	45	18	4.5	.00	2.8	<.00
79-07-31	2.2	15	38	1.0	5.0	11	43	19	4.8	.00	2.8	<.00
79-08-09	3.2	15	36	.9	4.9	11	45	21	5.3	.00	2.6	<.00
79-08-13	3.2	15	36	.9	5.0	10	46	22	5.5	.00	2.8	<.00
79-08-09	16	18	18	.6	2.2	11	72	33	25	.02	.22	<.00
79-06-26	6.0	48	48	2.0	7.5	97	44	68	.29	.00	3.1	<.00
79-08-01	5.4	39	42	1.6	10	87	51	50	.02	.00	4.7	<.00
			DATE OF SAMPLE	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)					
			79-07-10	300	300	2.0	--					
			79-08-09	400	260	<3.0	.06					
			79-08-13	150	250	--	--					
			79-06-26	550	320	2.0	--					
			79-07-10	<50	630	3.0	--					
			79-07-31	200	490	<3.0	.10					
			79-08-09	100	480	<3.0	.14					
			79-08-13	100	500	--	.11					
			79-06-26	120	650	3.0	--					
			79-07-10	600	410	2.0	--					
			79-07-31	1200	790	<3.0	.04					
			79-08-09	600	390	<3.0	.04					
			79-08-13	300	410	--	.04					
			79-08-09	300	60	<3.0	.02					
			79-06-26	1850	6000	4.0	--					
			79-08-01	800	7500	4.0	.18					

## QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

SUFFOLK COUNTY--Continued

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

STATION	NUMBER	LOCAL IDENT- IFIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	HARD- NESS (MG/L AS CaCO3)
404158073225802 S	43813		112GLCLU	79-06-26	73	300	5.5	--	--	54
			112GLCLU	79-08-01	73	320	5.6	14.5	.1	50
404455073215001 S	43814		112GLCLU	79-07-05	45	241	5.1	11.0	.1	36
404237073220601 S	43815		112GLCLU	79-07-03	30	195	5.5	13.5	2.1	45
			112GLCLU	79-08-01	30	420	5.9	13.0	.3	62
404237073220602 S	43816		112GLCLU	79-07-03	75	390	6.0	13.0	.2	69
			112GLCLU	79-08-01	75	210	5.5	13.0	1.3	45
404618073205001 S	43817		112GLCLU	79-07-05	51	182	5.7	12.5	2.0	41
404257073202401 S	43818		112GLCLU	79-06-18	30	250	5.8	12.0	.3	58
			112GLCLU	79-08-02	30	350	5.8	14.0	.2	54
404250073202302 S	43819		112GLCLU	79-06-18	73	260	5.4	13.0	.2	49
			112GLCLU	79-08-02	73	260	5.6	13.0	.0	49
404649073184001 S	43820		112GLCLU	79-07-05	92	194	5.7	12.0	2.0	32

DATE OF SAMPLE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY (MG/L AS CaCO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)
79-06-26	6.4	26	49	1.5	3.8	16	44	35	3.7	.00	2.5	<.00
79-08-01	6.0	25	50	1.5	3.6	17	49	30	3.5	.00	2.4	.00
79-07-05	2.5	21	52	1.5	4.1	5	33	32	3.8	.00	2.1	<.00
79-07-03	5.0	13	38	.9	2.8	7	38	16	3.7	.01	.31	<.00
79-08-01	3.5	39	55	2.2	6.5	21	45	54	7.2	.00	3.4	<.00
79-07-03	4.0	42	54	2.2	7.0	21	46	55	8.0	.00	3.3	<.00
79-08-01	5.0	13	37	.8	3.0	7	36	17	4.1	.00	.34	<.00
79-07-05	5.5	14	42	1.0	1.4	14	3.4	23	6.8	.00	.16	.00
79-06-18	3.2	27	47	1.5	5.4	25	43	33	6.9	.00	3.8	<.00
79-08-02	3.2	27	49	1.6	5.6	25	42	33	6.4	.00	3.6	<.00
79-06-18	5.9	22	48	1.4	2.0	11	25	25	7.6	.00	.19	.00
79-08-02	6.3	22	48	1.4	2.2	12	26	24	7.3	.00	.23	.00
79-07-05	3.8	14	44	1.1	5.7	10	21	10	8.6	.01	1.6	<.00

DATE OF SAMPLE	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)
79-06-26	1300	220	2.0	--
79-08-01	850	280	<3.0	.88
79-07-05	400	1050	2.0	--
79-07-03	400	230	3.0	--
79-08-01	50	1080	<3.0	.08
79-07-03	<50	1200	2.0	--
79-08-01	300	220	<3.0	.03
79-07-05	800	240	2.0	--
79-06-18	50	1400	1.0	--
79-08-02	250	1300	<3.0	--
79-06-18	770	70	<1.0	--
79-08-02	400	70	<3.0	.04
79-07-05	550	220	1.0	--

## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## 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 (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)
404302073185501 S 43821		112GLCLU	79-06-18	31	725	6.1	12.0	.2	98
404302073185502 S 43822		112GLCLU	79-06-18	69	300	5.8	13.0	.4	59
		112GLCLU	79-08-30	69	265	5.8	13.0	.1	45
405254073214201 S 44914	CENTERPORT	112GLCLU	79-04-05	22	124	5.6	9.5	10.0	26
		112GLCLU	79-07-17	22	--	--	--	--	44
405330073242401 S 45053		112GLCLU	79-03-28	114	220	6.4	11.5	8.7	65
405132073181401 S 45207		112GLCLU	79-04-09	142	255	5.5	12.0	10.2	69
405005073233701 S 45208		112GLCLU	79-04-05	133	440	5.7	13.0	7.8	120
404945073174501 S 45210		112GLCLU	79-04-23	107	340	6.4	13.0	11.2	110
		112GLCLU	79-07-17	107	--	--	--	--	110
405356073192001 S 45212		112GLCLU	79-04-09	111	293	5.7	11.0	9.5	69
		112GLCLU	79-07-18	111	235	6.0	13.0	9.4	64

DATE OF SAMPLE	MAGNESIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	NITROGEN, NITRATE DIS-SOLVED (MG/L AS N)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N)	PHOSPHORUS, ORTHO, DIS-SOLVED (MG/L AS P)
79-06-18	4.9	102	68	4.5	5.1	83	27	150	2.8	.01	6.0	.01
79-06-18	4.7	27	49	1.5	1.4	28	44	28	3.5	.02	.05	.02
79-08-30	4.0	23	52	1.5	1.6	25	40	24	2.6	.02	.09	.01
79-04-05	2.8	8.9	41	.8	1.5	6	6.2	15	3.6	.00	.08	.00
79-07-17	4.5	9.2	31	.6	1.2	--	12	12	3.5	.00	.07	.00
79-03-28	6.7	12	28	.6	1.7	26	19	18	6.1	.00	.08	.00
79-04-09	5.5	16	33	.8	2.5	15	29	17	10	.00	.12	<.00
79-04-05	11	25	30	1.0	2.3	22	44	23	24	.01	.10	<.00
79-04-23	12	7.8	13	.3	1.3	29	33	17	14	.00	.17	.00
79-07-17	11	7.8	13	.3	1.5	--	32	13	13	.01	.11	.00
79-04-09	7.1	20	38	1.0	2.1	21	21	26	10	.00	.10	<.00
79-07-18	6.5	18	37	1.0	2.2	22	22	22	8.6	.00	.06	.00

DATE OF SAMPLE	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
79-06-18	1200	5800	5.0	--
79-06-18	1500	540	1.0	--
79-08-30	2400	490	--	--
79-04-05	100	<20	--	--
79-07-17	100	<20	<3.0	--
79-03-28	300	50	3.0	--
79-04-09	500	30	--	--
79-04-05	200	60	--	--
79-04-23	100	20	1.0	--
79-07-17	300	30	<3.0	--
79-04-09	100	<20	--	--
79-07-18	400	<20	<3.0	--

## QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

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 (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)
405259073162201 S 45402		112GLCLU	79-05-14	170	245	6.2	11.5	9.4	62
		112GLCLU	79-07-16	170	223	6.2	13.5	8.0	61
404400073154402 S 45446		112GLCLU	79-07-09	38	286	4.9	13.0	.2	59
		112GLCLU	79-08-06	38	420	4.6	13.0	.3	62
404606073050001 S 45447		112GLCLU	79-09-25	79	294	5.6	12.0	4.0	37
404920073150701 S 45594		112GLCLU	79-05-15	80	112	5.6	11.0	11.2	32
		112GLCLU	79-07-18	80	100	5.8	12.0	10.6	30
404508073080902 S 45636		112GLCLU	79-06-28	26	135	5.4	11.0	10.5	27
		112GLCLU	79-08-07	26	165	5.3	11.0	4.5	28
		112GLCLU	79-09-25	26	160	5.3	11.5	4.8	26
404508073080901 S 45637		112GLCLU	79-06-28	79	56	7.2	12.0	8.5	22
		112GLCLU	79-08-07	79	70	6.4	11.0	8.2	22
		112GLCLU	79-09-25	79	67	6.5	10.5	8.9	22
404618073164501 S 45717		112GLCLU	79-09-05	73	46	6.1	11.5	9.9	8

DATE OF SAMPLE	MAGNESIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	NITROGEN, NITRATE DIS-SOLVED (MG/L AS N)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N)	PHOSPHORUS, ORTHO, DIS-SOLVED (MG/L AS P)
79-05-14	5.7	16	35	9	1.8	16	20	21	7.5	.00	.07	.00
79-07-16	5.8	18	38	10	2.0	20	22	19	8.0	.00	.16	<.00
79-07-09	2.9	21	40	12	6.3	3	30	24	15	.01	1.8	<.00
79-08-06	3.2	36	52	20	8.1	1	27	59	11	.01	.75	<.00
79-09-25	2.3	33	63	24	4.2	7	19	50	3.3	.00	.06	<.00
79-05-15	3.3	4.4	22	3	1.0	6	24	5.0	.54	.00	.11	.00
79-07-18	3.0	4.3	23	3	1.1	7	24	5.0	.61	.00	.06	<.00
79-06-28	2.4	11	44	9	2.4	5	11	14	4.5	.00	.08	<.00
79-08-07	2.4	13	47	11	2.6	5	12	18	5.3	.00	.09	<.00
79-09-25	2.2	13	50	12	2.5	5	11	19	4.7	.00	.06	<.00
79-06-28	2.5	3.5	25	.3	.4	23	.6	4.0	.23	.00	.08	.03
79-08-07	2.4	3.5	25	.3	.4	22	.3	4.5	.13	.00	.07	.03
79-09-25	2.4	3.5	26	.3	.4	23	.9	5.0	.24	.00	.12	.03
79-09-05	1.3	3.1	45	.5	.5	2	5.8	5.1	.05	.00	.07	<.00

DATE OF SAMPLE	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
79-05-14	200	20	1.0	--
79-07-16	400	40	<3.0	--
79-07-09	150	130	<1.0	--
79-08-06	100	1000	23	.09
79-09-25	300	120	--	--
79-05-15	240	10	1.0	--
79-07-18	450	130	<3.0	--
79-06-28	150	110	2.0	--
79-08-07	100	110	<3.0	--
79-09-25	100	110	--	--
79-06-28	50	<20	1.0	--
79-08-07	<50	<20	<3.0	--
79-09-25	100	70	--	--
79-09-05	300	20	--	--

## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## 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 (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	HARD- NESS (MG/L AS CaCO3)
404635073101602	S 45718		112GLCLU	79-08-06	24	250	5.3	12.0	3.7	49
			112GLCLU	79-08-30	24	250	4.9	13.0	3.5	49
404635073101601	S 45719		112GLCLU	79-06-28	78	115	6.8	12.0	7.2	32
			112GLCLU	79-08-06	78	138	6.6	12.0	7.2	34
			112GLCLU	79-08-30	78	138	6.1	12.0	7.1	34
404716073131602	S 45720		112GLCLU	79-08-15	78	165	6.2	17.0	6.7	47
404516073122802	S 45721		112GLCLU	79-09-05	34	330	5.3	12.0	.4	49
404516073122801	S 45722		112GLCLU	79-09-05	87	134	5.8	12.0	6.7	13
			112GLCLU	79-09-28	87	110	6.1	12.0	6.8	16
405231073250500	S 46281		112GLCLU	79-03-28	47	245	6.7	12.0	8.2	79
			112GLCLU	79-08-23	47	245	6.6	11.0	8.3	81
404823073211800	S 46283		112GLCLU	79-04-06	235	51	4.8	11.0	11.0	9
404848073073401	S 46284		112GLCLU	79-09-05	104	255	5.6	13.0	8.2	55

DATE OF SAMPLE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY (MG/L AS CaCO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)
79-08-06	3.4	15	37	1.0	6.2	4	24	21	9.9	.00	.08	<.00
79-08-30	3.3	15	37	1.0	6.6	4	21	23	9.8	.00	.08	<.00
79-06-28	3.3	8.2	35	.6	.8	17	5.5	8.7	3.8	.00	.08	.00
79-08-06	3.5	8.6	35	.6	.8	17	6.8	10	4.0	.00	.07	.00
79-08-30	3.4	8.5	35	.6	.8	17	7.2	10	4.4	.00	.06	.00
79-08-15	5.3	7.7	26	.5	1.2	31	9.1	11	4.9	.01	.24	.00
79-09-05	2.7	35	60	2.2	1.8	8	15	64	2.5	.00	.08	<.00
79-09-05	1.8	17	72	2.1	.9	10	16	9.1	3.4	.00	.08	<.00
79-09-28	2.1	12	62	1.4	.7	8	7.8	10	4.1	.00	.04	.00
79-03-28	7.6	10	22	.5	1.7	37	15	13	8.0	.00	.08	.00
79-08-23	8.0	10	22	.5	1.7	39	15	15	9.2	.00	.03	.01
79-04-06	.7	4.2	49	.6	.5	2	.3	7.8	.96	.00	.10	<.00
79-09-05	6.4	19	41	1.1	3.8	14	22	23	9.2	.00	.08	<.00

DATE OF SAMPLE	IRON, TOTAL RECQV- ERABLE (UG/L AS FE)	MANGA- NESE, TOTAL RECQV- ERABLE (UG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)
79-08-06	50	750	<3.0	--
79-08-30	100	750	--	--
79-06-28	100	20	1.0	--
79-08-06	200	30	<3.0	--
79-08-30	100	10	--	--
79-08-15	2600	310	--	.02
79-09-05	600	460	--	--
79-09-05	300	<10	--	--
79-09-28	100	10	--	--
79-03-28	100	<20	1.0	--
79-08-23	100	<20	--	--
79-04-06	200	30	--	--
79-09-05	300	50	--	--



## QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## SUFFOLK COUNTY--Continued

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

STATION	NUMBER	LOCAL IDENT- IFIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHQS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	HARD- NESS (MG/L AS CaCO3)
404400073154401 S	46287		112GLCLU	79-07-09	85	190	5.8	12.5	1.0	48
			112GLCLU	79-08-06	85	165	5.5	12.5	1.1	35
405254073214202 S	46962		112GLCLU	79-04-05	62	165	6.0	11.0	7.6	43
			112GLCLU	79-07-17	62	--	--	--	--	27
405226073095701 S	46963		112GLCLU	79-05-15	128	132	5.6	12.0	10.2	23
405225073152200 S	46964		112GLCLU	79-05-14	101	100	5.0	12.0	8.1	21
			112GLCLU	79-07-16	101	105	5.5	13.0	7.9	21
405230073164400 S	46965		112GLCLU	79-06-27	147	470	5.8	12.0	10.1	88
			112GLCLU	79-07-18	147	475	6.2	13.0	9.0	95
404759073251600 S	47220		112GLCLU	79-04-06	92	27	5.2	10.5	10.8	2
404351073054101 S	47223		112GLCLU	79-08-30	26	205	5.4	12.6	3.8	48
404817072532500 S	47224		112GLCLU	79-05-28	33	68	5.1	10.0	4.5	12
			112GLCLU	79-08-20	33	85	5.4	10.0	4.4	13

DATE OF SAMPLE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY (MG/L AS CaCO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)
79-07-09	5.3	15	40	.9	1.3	17	<.5	17	11	.00	.09	.00
79-08-06	3.8	12	42	.9	1.1	14	.3	15	8.0	.00	.09	.00
79-04-05	4.3	9.0	31	.6	1.1	19	11	13	3.5	.00	.08	.00
79-07-17	2.9	9.2	41	.8	1.6	--	5.9	13	3.9	.00	.06	.00
79-05-15	2.6	13	54	1.2	1.0	9	8.8	18	2.2	.00	.06	.00
79-05-14	2.8	8.4	45	.8	1.1	10	<.5	13	2.7	.00	.06	<.00
79-07-16	2.8	9.0	46	.9	1.2	12	.3	12	3.1	.00	.06	<.00
79-06-27	9.2	48	54	2.2	2.2	16	9.9	102	1.1	.00	.06	<.00
79-07-18	9.8	48	52	2.1	2.0	22	10	120	1.2	.00	.04	.00
79-04-06	.3	3.3	72	1.0	.4	2	.3	5.0	.04	.00	.10	<.00
79-08-30	2.2	13	37	.9	1.7	11	17	25	3.7	.00	.07	<.00
79-05-28	1.4	4.5	41	.6	1.5	3	6.1	6.7	.25	.00	.05	<.00
79-08-20	1.4	6.3	47	.8	2.0	5	5.0	15	.41	.00	.08	<.00

DATE OF SAMPLE	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)
79-07-09	600	50	<1.0	--
79-08-06	200	40	<3.0	.03
79-04-05	200	<20	--	--
79-07-17	100	<20	<3.0	--
79-05-15	470	330	2.0	--
79-05-14	300	30	2.0	--
79-07-16	900	60	<3.0	--
79-06-27	1000	560	1.0	--
79-07-18	5300	120	<3.0	--
79-04-06	100	<20	--	--
79-08-30	300	70	--	--
79-05-28	220	80	1.0	--
79-08-20	250	120	--	--

## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## SUFFOLK COUNTY--Continued

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

STATION	NUMBER	LOCAL IDENT- IFIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MH/S)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	HARD- NESS (MG/L AS CaCO3)
405240072491402 S	47226		112GLCLU	79-07-30	27	78	6.4	10.5	.4	15
			112GLCLU	79-08-16	27	71	6.1	10.5	.4	14
405240072491401 S	47227		112GLCLU	79-07-30	100	119	7.4	11.0	.1	40
			112GLCLU	79-08-16	100	122	7.4	10.5	.3	39
405306072482701 S	47228		112GLCLU	79-06-19	101	62	6.3	11.0	.4	20
405306072482702 S	47229		112GLCLU	79-01-25	25	96	5.7	12.0	5.1	15
			112GLCLU	79-06-19	25	125	5.5	11.0	4.1	3
			112GLCLU	79-08-08	25	130	5.8	12.0	3.6	17
405417072402300 S	47230		112GLCLU	79-05-10	32	60	4.7	9.0	3.6	7
405541072375300 S	47231		112GLCLU	79-02-07	39	124	5.5	11.5	3.3	23
			112GLCLU	79-07-25	39	115	4.6	11.0	4.2	21
405248072332700 S	47232		112GLCLU	79-04-30	56	89	5.7	12.0	.8	12
405111073065801 S	47675		112GLCLU	79-05-16	90	260	5.8	13.0	8.0	63

DATE OF SAMPLE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY (MG/L AS CaCO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)
79-07-30	.7	3.7	35	.4	.4	22	8.5	5.9	.02	.00	.21	.13
79-08-16	.7	3.8	36	.4	.4	22	8.5	7.5	.06	.00	.16	.14
79-07-30	2.5	4.7	20	.3	.4	45	5.5	4.4	.05	.00	.16	.26
79-08-16	2.4	4.8	21	.3	.4	40	5.3	5.4	.03	.00	.13	.24
79-06-19	1.9	13	57	1.3	1.1	20	12	16	.57	.00	.10	.00
79-01-25	1.5	10	57	1.1	1.1	8	11	12	.74	.00	.14	<.00
79-06-19	.3	5.5	77	1.3	.3	8	2.1	6.7	.07	.00	.08	.05
79-08-08	1.8	14	62	1.5	1.3	9	12	19	.55	.00	.07	.00
79-05-10	.9	4.4	52	.7	1.0	8	7.9	7.0	.05	.00	.12	<.00
79-02-07	2.3	8.0	41	.7	.9	4	17	14	1.3	.00	<.05	<.00
79-07-25	1.7	7.3	42	.7	1.1	1	18	12	.92	.00	.06	<.00
79-04-30	1.4	6.5	53	.8	.4	6	<.5	11	.07	.00	.49	.00
79-05-16	4.3	19	38	1.0	2.8	28	2.0	50	.82	.00	.04	.00

DATE OF SAMPLE	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)
79-07-30	5800	120	<3.0	--
79-08-16	5600	120	--	--
79-07-30	700	310	<3.0	--
79-08-16	600	260	--	--
79-06-19	1200	200	<1.0	--
79-01-25	800	190	3.0	--
79-06-19	10000	170	1.0	--
79-08-08	1000	200	<3.0	--
79-05-10	100	140	3.0	--
79-02-07	200	200	--	--
79-07-25	100	150	<3.0	--
79-04-30	4700	100	2.0	--
79-05-16	150	40	2.0	--

## QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## 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 (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)
405307073060900 S 47698		112GLCLU	79-05-16	104	45	5.6	11.0	11.4	9
404642073005801 S 47743		112GLCLU	79-06-21	100	64	6.5	12.0	3.2	21
		112GLCLU	79-08-20	100	74	6.2	12.5	2.8	21
		112GLCLU	79-09-26	100	75	6.3	11.0	1.4	22
404847072571300 S 47746		112GLCLU	79-06-21	84	57	5.5	11.0	12.5	14
404740072545200 S 47747		112GLCLU	79-05-28	32	62	4.7	11.0	4.7	10
		112GLCLU	79-08-20	32	68	5.3	10.0	7.2	10
405638072514700 S 47748		112GLCLU	79-08-08	115	60	5.8	14.0	8.7	11
405338072530401 S 47749		112GLCLU	79-06-20	32	389	5.0	12.0	9.4	61
405004072515400 S 47750		112GLCLU	79-06-20	95	41	6.2	11.0	12.2	11
404607072594702 S 47751		112GLCLU	79-05-25	38	240	4.6	12.0	3.1	45
		112GLCLU	79-09-26	38	230	6.2	12.0	4.7	49

DATE OF SAMPLE	MAGNESIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	NITROGEN, NITRATE DIS-SOLVED (MG/L AS N)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N)	PHOSPHORUS, ORTHO, DIS-SOLVED (MG/L AS P)
79-05-16	1.0	4.0	49	.6	.4	5	2.6	5.0	.26	.00	.05	.00
79-06-21	1.7	4.1	29	.4	.6	22	1.3	5.0	.20	.00	.07	.01
79-08-20	1.6	4.3	30	.4	.6	23	2.2	6.6	.14	.00	.07	.00
79-09-26	1.7	4.4	30	.4	.6	27	1.4	5.5	.09	.00	.04	.01
79-06-21	1.4	4.0	36	.5	1.3	4	7.5	6.6	.71	.00	.08	.00
79-05-28	1.5	5.1	51	.7	.6	2	4.8	8.1	.03	.00	.10	<.00
79-08-20	1.4	6.0	55	.8	.7	3	4.9	14	<.02	.00	.07	<.00
79-08-08	1.1	4.4	45	.6	.5	10	5.1	5.0	.05	.00	<.02	.00
79-06-20	4.0	44	60	2.4	2.7	5	35	75	3.0	.00	.06	<.00
79-06-20	.9	4.2	45	.6	.3	8	5.0	5.5	.10	.00	.05	.00
79-05-25	3.1	17	42	1.1	4.3	1	25	19	10	.00	.98	<.00
79-09-26	3.2	16	40	1.0	3.6	6	17	25	9.6	.00	.05	<.00

DATE OF SAMPLE	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
79-05-16	50	10	1.0	--
79-06-21	400	120	1.0	--
79-08-20	550	130	--	--
79-09-26	500	120	--	--
79-06-21	100	10	1.0	--
79-05-28	80	<20	<1.0	--
79-08-20	40	<20	--	--
79-08-08	500	40	<3.0	--
79-06-20	300	800	2.0	--
79-06-20	100	<10	1.0	--
79-05-25	70	90	<1.0	--
79-09-26	300	220	--	--

## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## SUFFOLK COUNTY--Continued

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

STATION	NUMBER	LOCAL IDENT- IFIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE- CI- FIC CON- DUCT- ANCE (MICRO- MH/S)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	HARD- NESS (MG/L AS CaCO3)
404607072594701 S	47752		112GLCLU	79-05-25	100	8	6.3	12.5	4.0	26
			112GLCLU	79-08-07	100	85	6.1	12.0	1.6	27
			112GLCLU	79-09-26	100	80	6.9	12.0	1.6	26
405412072441401 S	47753		112GLCLU	79-06-20	100	61	5.5	10.0	11.5	7
			112GLCLU	79-08-15	100	50	4.8	10.0	9.3	7
405412072441402 S	47754		112GLCLU	79-06-20	39	50	5.2	9.0	11.8	7
			112GLCLU	79-08-15	39	71	6.2	10.0	9.9	7
405136072464500 S	47755		112GLCLU	79-06-19	58	47	5.9	11.0	7.9	11
405008073025500 S	47757		112GLCLU	79-05-16	138	230	5.8	13.0	8.6	51
404852073050400 S	47758		112GLCLU	79-05-16	102	195	5.4	12.0	9.6	26
405604073064300 S	47973		112GLCLU	79-05-16	90	330	6.2	12.0	8.3	130
			112GLCLU	79-08-23	90	290	6.2	12.0	8.6	95
405532073025701 S	47974		112GLCLU	79-09-27	149	200	5.3	12.0	9.0	27

DATE OF SAMPLE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY (MG/L AS CaCO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)
79-05-25	2.9	4.5	27	.4	.5	29	2.5	3.3	<.02	.00	.05	.01
79-08-07	3.0	4.5	26	.4	.6	28	2.6	6.0	.05	.00	.06	.02
79-09-26	2.9	4.4	26	.4	.6	30	1.7	4.7	.03	.00	.07	.02
79-06-20	.7	9.9	75	1.7	.4	8	6.6	5.8	.06	.00	.06	.18
79-08-15	.8	4.2	54	.7	.5	2	6.2	7.4	.06	.00	.04	<.00
79-06-20	.9	6.0	63	1.0	.6	2	5.9	6.1	.02	.00	.06	.00
79-08-15	.6	9.6	75	1.6	.4	8	6.8	9.8	.07	.00	.03	.19
79-06-19	1.1	5.1	48	.7	.7	7	6.4	5.3	.13	.00	.05	.04
79-05-16	4.6	22	48	1.4	1.2	30	13	30	3.1	.00	.05	.00
79-05-16	2.0	22	64	1.9	1.6	9	6.2	33	3.4	.00	.06	<.00
79-05-16	8.1	10	15	.4	1.4	20	91	11	4.4	.00	.06	.00
79-08-23	6.2	9.6	18	.4	1.4	21	75	11	3.2	.00	.06	.00
79-09-27	3.2	22	62	1.8	1.5	12	8.6	35	2.1	.00	.05	<.00

DATE OF SAMPLE	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)
79-05-25	180	<10	<1.0	--
79-08-07	300	<20	<3.0	--
79-09-26	100	110	--	--
79-06-20	190	10	1.0	--
79-08-15	50	110	--	--
79-06-20	50	120	1.0	--
79-08-15	150	20	--	--
79-06-19	240	20	2.0	--
79-05-16	550	130	--	--
79-05-16	240	40	1.0	--
79-05-16	330	280	2.0	--
79-08-23	550	10	--	--
79-09-27	980	40	--	--

## QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

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 (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)
405050072595300 S 47975		112GLCLU	79-05-25	129	175	6.4	12.0	10.5	58
		112GLCLU	79-09-24	129	198	6.4	12.0	8.7	76
405605072591500 S 47976		112GLCLU	79-05-17	138	210	5.8	11.5	8.4	51
404711072515000 S 47977		112GLCLU	79-06-05	55	155	4.8	11.0	8.7	28
405606072202701 S 48425		112GLCLU	79-04-25	44	415	5.6	11.0	8.4	160
405618072180501 S 48427		112GLCLU	79-04-24	52	154	6.4	14.0	4.8	46
		112GLCLU	79-07-13	52	151	6.7	14.0	11.8	50
405704072165901 S 48428		112GLCLU	79-04-24	71	64	5.5	11.0	11.1	9
405501072215501 S 48430		112GLCLU	79-04-25	39	64	5.3	11.0	10.4	9
405606072235701 S 48432		112GLCLU	79-04-26	63	77	5.8	11.0	10.2	12
405644072220101 S 48433		112GLCLU	79-04-25	135	63	5.9	10.5	9.7	10

DATE OF SAMPLE	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY (MG/L AS CaCO3)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS CL)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	PHOSPHORUS, ORTHO DISSOLVED (MG/L AS P)
79-05-25	5.5	5.2	16	.3	.8	43	12	6.4	.92	.00	.06	.00
79-09-24	7.5	5.6	14	.3	1.0	51	14	11	1.9	.00	.18	.00
79-05-17	5.2	14	36	.9	1.3	22	19	16	5.0	.00	.07	.00
79-06-05	2.9	12	46	1.0	2.1	4	.2	16	3.6	.00	.12	<.00
79-04-25	7.8	7.3	9	.3	3.0	8	100	26	7.5	.00	.19	<.00
79-04-24	4.5	9.2	30	.6	.9	21	23	16	1.6	.00	.15	.00
79-07-13	4.8	9.6	29	.6	1.0	21	24	13	1.6	.00	.04	.00
79-04-24	1.4	6.4	59	.9	.5	7	4.7	10	.07	.00	.16	<.00
79-04-25	1.4	5.6	56	.8	.8	4	6.3	9.6	.08	.00	.16	<.00
79-04-26	1.5	7.3	55	.9	.6	3	7.5	11	.05	.00	.06	.00
79-04-25	1.1	5.6	53	.8	.9	9	6.0	9.2	.02	.00	.25	.01

DATE OF SAMPLE	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
79-05-25	320	50	4.0	--
79-09-24	300	10	--	--
79-05-17	360	10	2.0	--
79-06-05	300	150	2.0	--
79-04-25	500	20	1.0	--
79-04-24	500	30	1.0	--
79-07-13	450	20	<3.0	.02
79-04-24	100	20	1.0	--
79-04-25	100	<20	1.0	--
79-04-26	100	<20	<2.0	--
79-04-25	1300	140	1.0	--

## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## 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 (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DIS-SOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)
405227072352301 S 48434		112GLCLU	79-04-30	187	110	6.2	11.0	9.6	22
405051072353101 S 48435 E. QUOGUE		112GLCLU	79-04-30	56	275	5.4	12.0	9.3	19
405229072415601 S 48436 EASTPORT		112GLCLU	79-03-23	104	78	5.9	9.5	--	15
405325072262702 S 48439		112GLCLU	79-04-26	51	149	6.1	13.0	9.2	25
405325072262701 S 48440		112GLCLU	79-04-26	102	87	5.9	12.0	8.5	17
405349072234801 S 48441		112GLCLU	79-04-26	61	225	5.9	12.0	10.0	73
404941072414801 S 48442 SPEONK		112GLCLU	79-05-10	54	190	5.0	12.0	10.0	13
405650072145201 S 48518		112GLCLU	79-03-16	71	77	6.6	11.0	10.2	15
405308072322201 S 48581		112GLCLU	79-04-30	76	61	5.8	11.0	10.5	10
405225072371001 S 48582 OAKVILLE		112GLCLU	79-05-10	105	2	5.6	12.0	9.2	42

DATE OF SAMPLE	MAGNESIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DIS-SOLVED (MG/L AS K)	ALKALINITY (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	NITROGEN, NITRATE DIS-SOLVED (MG/L AS N)	NITROGEN, NITRITE DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N)	PHOSPHORUS, ORTHO, DIS-SOLVED (MG/L AS P)
79-04-30	2.2	10	49	.9	.7	19	5.3	13	.33	.00	.07	.00
79-04-30	1.3	34	77	3.4	2.2	4	21	48	2.4	.00	.08	<.00
79-03-23	2.2	6.0	46	.7	.3	9	5.7	7.0	.98	.00	.06	<.00
79-04-26	2.1	14	54	1.2	1.0	11	5.3	26	.86	.00	.05	.00
79-04-26	2.0	7.2	46	.7	.5	8	5.5	9.6	.42	.00	.04	.00
79-04-26	5.0	8.4	20	.4	1.7	8	55	15	1.3	.00	.06	<.00
79-05-10	1.3	27	81	3.3	1.2	2	4.5	44	.24	.00	.08	<.00
79-03-16	1.8	6.5	47	.7	.9	5	8.1	11	.22	.00	.05	<.00
79-04-30	1.2	5.5	52	.8	.5	5	4.6	8.0	.07	.00	.06	.00
79-05-10	5.6	18	47	1.2	1.4	15	4.1	30	4.5	.00	.11	<.00

DATE OF SAMPLE	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
79-04-30	100	<20	2.0	--
79-04-30	200	50	1.0	--
79-03-23	50	520	4.0	--
79-04-26	600	530	1.0	--
79-04-26	300	<20	1.0	--
79-04-26	300	20	2.0	--
79-05-10	100	60	3.0	--
79-03-16	300	10	4.0	--
79-04-30	100	<20	<2.0	--
79-05-10	300	30	2.0	--



## QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## SUFFOLK COUNTY--Continued

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

STATION	NUMBER	LOCAL IDENT- IFIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	HARD- NESS (MG/L AS CaCO3)
405139072385001	S 48583	WESTHAMPTON	112GLCLU	79-03-23	139	41	6.6	10.5	10.4	7
			112GLCLU	79-05-07	139	4	6.0	10.5	10.4	8
405139072385002	S 48584	WESTHAMPTON	112GLCLU	79-03-23	89	46	6.5	11.0	10.9	8
			112GLCLU	79-05-07	89	48	5.5	11.0	11.2	9
405136073041601	S 48651		112GLCLU	79-05-17	64	250	5.7	13.0	3.1	45
404641073005402	S 48759		112GLCLU	79-06-21	33	244	5.7	12.0	.7	47
			112GLCLU	79-08-20	33	500	5.5	12.0	.5	55
405121072490601	S 48946		112GLCLU	79-08-16	41	210	5.8	12.0	7.0	59
405259073010300	S 48958		112GLCLU	79-05-17	81	170	5.8	11.0	10.2	49
			112GLCLU	79-08-23	81	160	5.6	12.0	9.7	42
405716072413301	S 51566		112GLCLU	79-07-26	87	650	5.8	13.0	9.6	260
405653072422501	S 51567	CENTERVILLE	112GLCLU	79-06-22	92	600	5.8	11.0	10.4	210
			112GLCLU	79-08-27	92	670	6.0	13.0	9.5	240

DATE OF SAMPLE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY (MG/L AS CaCO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)
79-03-23	.9	3.9	55	.7	.3	7	3.0	5.0	.03	.00	.05	.00
79-05-07	.9	3.9	51	.6	.3	5	3.3	5.0	.08	.00	.06	.00
79-03-23	1.1	4.0	50	.6	.7	6	3.9	5.0	<.02	.00	.05	<.00
79-05-07	1.1	4.2	49	.6	.7	3	3.9	6.0	.02	.00	.06	<.00
79-05-17	2.7	23	51	1.5	2.2	19	8.8	39	3.4	.00	.12	<.00
79-06-21	2.4	26	51	1.6	6.0	13	20	34	11	.02	1.7	<.00
79-08-20	2.5	57	66	3.3	6.6	9	16	84	7.8	.04	1.0	<.00
79-08-16	4.1	8.4	22	.5	4.3	8	31	19	4.9	.00	.04	.02
79-05-17	4.7	8.3	26	.5	1.0	13	19	11	5.1	.00	.08	<.00
79-08-23	4.3	8.8	31	.6	1.1	14	17	14	3.6	.00	.06	.00
79-07-26	13	12	9	.3	4.2	8	185	31	13	.00	.06	.00
79-06-22	7.5	9.5	9	.3	3.1	7	180	34	11	.00	.06	.00
79-08-27	13	9.8	8	.3	3.2	10	200	36	10	.00	.08	<.00

DATE OF SAMPLE	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)
79-03-23	50	20	6.0	--
79-05-07	100	<20	--	--
79-03-23	100	20	4.0	--
79-05-07	200	30	--	--
79-05-17	750	10	1.0	--
79-06-21	200	80	<1.0	--
79-08-20	70	80	--	--
79-08-16	100	130	--	--
79-05-17	290	10	1.0	--
79-08-23	350	20	--	--
79-07-26	350	60	<3.0	--
79-06-22	400	40	1.0	--
79-08-27	450	50	--	--



## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## 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 (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	HARD- NESS (MG/L AS CACO3)
405542072445302 S 51572		112GLCLU	79-07-25	41	440	4.5	12.0	.6	68
405512072395201 S 51573		112GLCLU	79-06-22	88	140	7.9	14.0	.2	57
405544072411801 S 51575 RIVERHEAD		112GLCLU	79-06-22	32	120	6.3	11.0	.3	30
405559072425201 S 51576 RIVERHEAD		112GLCLU	79-07-26	67	116	5.3	12.0	9.5	33
405630072442001 S 51577 BAITING HOLLOW		112GLCLU	79-07-26	93	560	5.7	13.0	9.5	220
405542072463001 S 51579 CALVERTON		112GLCLU	79-07-23	85	102	5.3	13.0	6.7	26
405714072470901 S 51580 WADING RIVER		112GLCLU	79-07-27	135	190	5.7	15.0	9.6	47
405500072495201 S 51583		112GLCLU	79-01-25	49	49	6.0	11.0	8.5	10
		112GLCLU	79-07-30	49	98	5.8	10.0	7.8	17
		112GLCLU	79-08-16	49	98	5.7	10.5	7.3	17
405642072491901 S 51586 WADING RIVER		112GLCLU	79-08-08	99	55	5.9	13.0	10.5	9

DATE OF SAMPLE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, ORTHO- DIS- SOLVED (MG/L AS P)
79-07-25	4.3	38	51	2.0	9.7	--	32	45	20	.01	1.4	.00
79-06-22	2.3	5.9	18	.3	.8	64	.5	5.0	.28	.00	.38	.13
79-06-22	2.6	8.1	36	.6	1.1	35	9.0	5.0	.10	.00	.48	.00
79-07-26	2.0	2.9	15	.2	2.4	6	19	5.4	2.4	.00	.06	<.00
79-07-26	12	7.4	7	.2	8.2	7	130	24	14	.00	.08	<.00
79-07-23	2.7	5.6	31	.5	1.1	9	18	6.0	.65	.00	.07	.00
79-07-27	3.8	8.5	27	.5	2.8	9	27	13	4.4	.00	.08	<.00
79-01-25	1.4	4.8	49	.7	.9	4	5.8	7.5	.17	.00	.12	<.00
79-07-30	2.2	7.5	47	.8	1.5	4	3.2	18	.29	.00	.07	<.00
79-08-16	2.2	7.8	47	.8	1.6	4	2.8	22	.36	.00	.06	<.00
79-08-08	.7	3.8	44	.6	1.5	4	6.6	6.0	.06	.00	.06	<.00

DATE OF SAMPLE	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)
79-07-25	400	1060	<3.0	--
79-06-22	100	50	2.0	--
79-06-22	4500	100	7.0	--
79-07-26	250	140	<3.0	--
79-07-26	650	270	<3.0	--
79-07-23	400	20	<3.0	--
79-07-27	2200	70	<3.0	--
79-01-25	100	40	2.0	--
79-07-30	150	20	<3.0	--
79-08-16	100	40	--	--
79-08-08	650	20	<3.0	--

## QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## SUFFOLK COUNTY--Continued

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

STATION	NUMBER	LOCAL IDENT- IFIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	HARD- NESS (MG/L AS CaCO3)
405634072380501	S 51588		112GLCLU	79-07-25	58	360	6.3	12.0	7.2	110
405704072361401	S 51589	JAMESPORT	112GLCLU	79-07-24	41	245	5.1	12.0	5.2	43
405418072470601	S 51591	CALVERTON	112GLCLU	79-07-23	29	75	5.8	11.5	1.4	16
405349072494101	S 51592		112GLCLU	79-01-25	39	58	5.7	12.0	9.3	12
			112GLCLU	79-08-16	39	72	5.5	11.0	8.6	13
405512072395202	S 52449		112GLCLU	79-06-22	38	224	6.1	13.0	1.1	68
405513072505401	S 52886		112GLCLU	79-07-27	66	240	5.9	14.5	6.4	73
405245072573702	S 66506		112GLCLU	79-03-12	63	195	5.7	12.0	5.1	48
405345072591101	S 66507		112GLCLU	79-03-12	76	220	5.9	11.0	11.0	33
405014072564001	S 66508		112GLCLU	79-03-12	62	113	5.8	9.5	10.4	21
405002073043501	S 66509		112GLCLU	79-03-12	117	65	5.9	11.0	12.7	14

DATE OF SAMPLE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LINITY (MG/L AS CaCO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, ORTHO, DIS- SOLVED (MG/L AS P)
79-07-25	5.4	7.4	13	.3	4.6	17	76	18	8.0	.01	.58	.02
79-07-24	2.2	19	47	1.3	3.0	4	23	33	3.9	.00	.07	<.00
79-07-23	1.1	2.9	27	.3	.8	12	10	5.0	.09	.00	.37	.00
79-01-25	1.2	5.4	48	.7	.9	4	7.4	7.0	.66	.00	.13	<.00
79-08-16	1.1	5.4	46	.7	1.0	2	6.8	9.7	.63	.00	.05	<.00
79-06-22	4.4	6.8	17	.4	2.2	23	34	17	3.8	.01	.06	.01
79-07-27	6.2	8.7	20	.4	1.6	9	43	16	5.6	.00	.09	<.00
79-03-12	4.5	12	33	.8	5.3	23	18	28	1.3	.00	.03	.01
79-03-12	3.1	24	59	1.8	2.0	11	15	36	3.0	.00	.02	.01
79-03-12	2.8	9.2	46	.9	2.0	6	12	13	1.9	.00	.02	.00
79-03-12	1.3	5.1	43	.6	.5	10	4.3	7.1	.80	.00	.02	.00

DATE OF SAMPLE	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)
79-07-25	8500	610	<3.0	--
79-07-24	400	270	<3.0	--
79-07-23	1850	70	5.0	--
79-01-25	100	<20	3.0	--
79-08-16	50	40	--	--
79-06-22	100	30	1.0	--
79-07-27	200	10	<3.0	--
79-03-12	<50	230	2.0	--
79-03-12	200	30	1.0	--
79-03-12	<50	<20	1.0	--
79-03-12	<50	30	3.0	--

## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## 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 (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	OXYGEN, DISSOLVED (MG/L)	HARDNESS (MG/L AS $\text{CaCO}_3$ )
405441073043501 S 66510		112GLCLU	79-03-13	107	112	5.1	11.0	11.3	20
405504073011201 S 66512		112GLCLU	79-03-13	107	142	5.6	11.5	9.1	33
405508073054201 S 66513		112GLCLU	79-03-13	123	245	6.2	13.0	9.8	57

DATE OF SAMPLE	MAGNESIUM, DISSOLVED (MG/L AS MG)	SODIUM, DISSOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	ALKALINITY (MG/L AS $\text{CaCO}_3$ )	SULFATE DISSOLVED (MG/L AS $\text{SO}_4$ )	CHLORIDE, DISSOLVED (MG/L AS CL)	NITROGEN, NITRATE DISSOLVED (MG/L AS N)	NITROGEN, NITRITE DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	PHOSPHORUS, ORTHO, DISSOLVED (MG/L AS P)
79-03-13	2.4	5.3	30	.5	4.8	2	12	9.2	3.1	.00	.03	<.00
79-03-13	5.0	10	38	.8	1.5	11	11	15	4.0	.00	.03	.01
79-03-13	5.9	21	44	1.2	1.7	22	17	27	8.5	.00	.04	.00

DATE OF SAMPLE	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)	CARBON, ORGANIC TOTAL (MG/L AS C)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
79-03-13	<50	410	2.0	--
79-03-13	<50	20	14	--
79-03-13	<50	10	4.0	--

## QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## 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 TOTAL (MICRO- MHOS)	PH (UNITS)	HARD- NESS (MG/L AS CAC03)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)
405911072174201	S	184 SCWA JERMAIN AVE	112GLCLU	79-01-15	138	62	6.5	10	2.5	1.0
			112GLCLU	79-04-17	138	63	6.5	10	2.9	1.1
404454073033001	S	871 SCWA LAKEVIEW AV	112GLCLU	78-10-26	110	81	6.1	18	4.9	1.5
			112GLCLU	79-05-24	110	91	6.0	20	4.9	1.4
404454073033002	S	872 SCWA LAKEVIEW AV	112GLCLU	78-10-26	107	149	6.1	22	6.4	1.8
			112GLCLU	79-05-24	107	109	6.2	23	5.6	1.6
404551072561601	S	1331 SCWA HEAD OF NEC	112GLCLU	78-12-19	60	90	6.2	22	5.2	1.5
			112GLCLU	79-04-24	60	138	5.8	31	9.1	2.6
			112GLCLU	79-08-19	60	112	6.1	25	7.0	1.8
405412072232901	S	1340 SCWA LONG SPRING	112GLCLU	78-12-26	87	230	5.6	84	24	5.8
405411072232701	S	1341 SCWA LONG SPRING	112GLCLU	78-12-26	99	350	5.9	146	41	10
			112GLCLU	79-04-16	99	338	5.8	146	44	10
405721072123001	S	2405 SCWA BRIDGEHAMPT	112GLCLU	78-10-09	88	175	5.9	47	10	5.8
			112GLCLU	79-05-22	88	178	5.9	50	10	5.8

DATE OF SAMPLE	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY (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)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHATE, TOTAL (MG/L AS PO4)	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)
79-01-15	6.8	.4	12	2.4	9.0	<.01	<.01	.09	<.10	<10	6200	70
79-04-17	6.8	.4	14	1.9	10	<.01	<.01	.14	<.10	20	7040	80
78-10-26	6.2	1.0	14	11	8.0	.61	<.01	.55	<.10	40	<10	620
79-05-24	8.3	1.1	13	9.4	11	.51	<.01	<.01	<.10	20	<10	680
78-10-26	16	1.9	19	18	20	.82	<.01	1.4	<.10	30	40	770
79-05-24	9.8	1.5	20	12	9.5	.91	<.01	<.01	<.10	20	50	780
78-12-19	7.3	1.0	14	8.5	8.0	1.9	<.01	<.01	<.10	40	40	20
79-04-24	11	1.5	12	15	16	2.6	<.01	<.01	<.10	30	20	40
79-08-19	10	1.2	15	10	10	2.6	<.01	<.01	.11	240	80	80
78-12-26	9.5	3.8	13	50	18	6.2	<.01	<.01	<.10	120	40	20
78-12-26	10	3.0	11	96	23	9.3	<.01	<.01	<.10	120	50	30
79-04-16	10	3.0	14	96	23	8.3	<.01	<.01	<.10	100	<10	10
78-10-09	14	1.4	12	24	21	4.1	<.01	<.01	<.10	100	40	40
79-05-22	14	1.5	13	24	20	4.6	<.01	<.01	<.10	80	<10	20

DATE OF SAMPLE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)
79-01-15	<10	<.02
79-04-17	20	<.02
78-10-26	20	<.02
79-05-24	10	<.02
78-10-26	20	.08
79-05-24	<10	<.02
78-12-19	30	<.02
79-04-24	40	<.02
79-08-19	70	<.02
78-12-26	40	<.02
78-12-26	40	<.02
79-04-16	10	<.02
78-10-09	20	<.02
79-05-22	30	<.02

## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## 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 (MICRO- MHOS)	PH (UNITS)	HARD- NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)		
405720072122701	S	2415 SCWA BRIDGEHAMPT	112GLCLU	78-10-09	90	140	6.1	38	8.0	4.4		
			112GLCLU	79-01-30	90	154	6.0	38	8.0	4.4		
			112GLCLU	79-05-22	90	145	6.0	38	7.8	4.5		
405719072122802	S	2570 SCWA BRIDGEHAMPT	112GLCLU	78-10-09	90	110	6.3	20	4.5	2.1		
			112GLCLU	79-01-30	90	118	6.3	22	4.8	2.3		
			112GLCLU	79-05-22	90	115	6.4	23	5.0	2.3		
405322073211001	S	2978 SCWA WASHINGTON	211MGTY	79-01-30	240	39	5.8	9	2.9	.6		
			211MGTY	79-04-26	240	39	6.1	8	1.9	.6		
410310071570901	S	3615 SCWA FLAMINGO AV	112GLCLU	78-10-09	111	208	6.8	33	7.5	4.2		
			112GLCLU	79-01-23	111	195	6.6	38	8.1	4.4		
			112GLCLU	79-05-21	111	217	6.3	40	8.5	4.9		
404426073073301	S	3813 SCWA OAKDALE 1	112GLCLU	78-10-25	83	123	6.2	32	9.0	2.3		
			112GLCLU	79-05-19	83	132	6.2	36	8.2	2.0		
404426073073302	S	3814 SCWA OAKDALE 3	112GLCLU	78-10-24	90	119	6.1	30	8.9	2.5		
			112GLCLU	79-05-23	90	52	6.9	19	4.2	1.8		
DATE OF SAMPLE	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHATE, TOTAL (MG/L AS PO4)	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)
78-10-09	12	1.2	11	15	16	3.6	<.01	<.01	<.10	70	<10	30
79-01-30	11	1.2	13	16	16	3.5	<.01	<.01	<.10	70	<10	20
79-05-22	11	1.3	13	17	16	3.7	<.01	<.01	<.10	60	<10	20
78-10-09	13	.9	15	11	13	1.6	<.01	<.01	<.10	30	<10	40
79-01-30	12	.9	15	11	13	1.7	<.01	<.01	<.10	10	80	30
79-05-22	13	.9	17	13	13	1.3	<.01	<.01	<.10	30	<10	20
79-01-30	3.9	.4	7	.5	5.0	1.2	<.01	<.01	<.10	60	<10	20
79-04-26	4.1	.4	8	.4	5.5	1.3	<.01	<.01	<.10	30	<10	<10
78-10-09	26	1.5	29	10	39	1.1	<.01	<.01	<.10	20	40	40
79-01-23	22	1.5	29	9.3	33	1.1	<.01	<.01	<.10	<10	<10	10
79-05-21	28	1.5	30	9.2	45	1.0	<.01	<.01	<.10	<10	30	60
78-10-25	11	1.8	16	9.5	14	2.9	<.01	.07	.15	20	20	110
79-05-19	9.5	1.7	16	12	14	2.8	<.01	.10	<.10	30	<10	130
78-10-24	8.7	1.7	19	11	13	2.6	<.01	.20	.22	30	<10	100
79-05-23	3.6	.5	23	1.7	4.0	<.01	<.01	<.01	.22	<10	<10	<10
DATE OF SAMPLE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)										
78-10-09	20	<.02										
79-01-30	290	<.02										
79-05-22	70	<.02										
78-10-09	<10	<.02										
79-01-30	780	<.02										
79-05-22	20	<.02										
79-01-30	30	<.02										
79-04-26	20	<.02										
78-10-09	<10	<.02										
79-01-23	<10	<.02										
79-05-21	<10	<.02										
78-10-25	<10	<.02										
79-05-19	<10	<.02										
78-10-24	<10	<.02										
79-05-23	<10	<.02										

## QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

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 (MICRO-MHOS)	PH (UNITS)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS Mg)
404426073073303	S 3815 SCWA OAKDALE 2	112GLCLU	78-10-25	83	98	6.2	27	7.6	2.6
		112GLCLU	79-05-18	83	114	6.3	33	8.3	2.6
405032073162801	S 4184 SCWA WALTER CT.	112GLCLU	79-02-06	162	300	5.5	80	23	6.4
		112GLCLU	79-05-10	162	330	5.9	81	21	6.3
405646073041601	S 4372 SCWA W. BROADWAY	112GLCLU	78-10-04	95	53	6.5	15	4.1	1.3
		112GLCLU	79-01-31	95	57	6.5	14	4.3	1.3
		112GLCLU	79-04-24	95	54	6.8	19	4.4	1.4
405840072114501	S 7570 SCWA OAKVIEW HWY	112GLCLU	78-10-10	162	115	6.0	25	5.2	2.7
		112GLCLU	79-01-30	162	118	6.5	25	5.2	2.6
		112GLCLU	79-05-22	162	104	6.3	26	6.0	2.9
405646073041602	S 8439 SCWA W. BROADWAY	112GLCLU	79-01-24	92	57	7.0	15	4.1	1.3
		112GLCLU	79-04-18	92	54	6.5	16	4.5	1.3
404452073033001	S 9893 SCWA LAKEVIEW AV	112GLCLU	78-10-25	96	54	6.3	12	3.4	1.2
		112GLCLU	79-05-24	96	54	6.3	14	3.4	1.3

DATE OF SAMPLE	SODIUM, TOTAL RECOVERABLE (MG/L AS Na)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (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)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
78-10-25	7.6	1.4	19	7.6	9.0	2.5	<.01	.04	.21	20	<10	60
79-05-18	8.4	1.4	18	9.7	10	2.4	<.01	.16	.11	30	<10	80
79-02-06	21	2.8	18	34	30	10	<.01	<.01	<.10	60	40	10
79-05-10	23	2.3	20	30	30	8.9	<.01	<.01	<.10	60	<10	<10
78-10-04	4.3	.4	15	1.5	5.0	.91	<.01	<.01	<.10	20	30	<10
79-01-31	4.0	.4	17	2.8	4.5	.82	<.01	<.01	<.10	30	<10	<10
79-04-24	4.1	.4	20	2.1	4.5	.76	<.01	<.01	<.10	30	<10	<10
78-10-10	10	.5	11	10	15	1.6	<.01	<.01	<.10	70	<10	<10
79-01-30	10	.5	11	10	14	1.7	<.01	<.01	<.10	40	30	<10
79-05-22	10	.6	13	10	14	1.5	<.01	<.01	<.10	30	<10	<10
79-01-24	4.0	.4	17	1.9	5.0	.82	<.01	<.01	<.10	70	<10	<10
79-04-18	4.1	.4	16	2.0	4.0	.94	<.01	<.01	<.10	40	30	<10
78-10-25	5.0	.5	13	5.4	6.5	.27	<.01	<.01	<.10	40	<10	310
79-05-24	4.9	.5	14	4.4	6.0	.11	<.01	<.01	<.10	30	<10	380

DATE OF SAMPLE	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
78-10-25	<10	<.02
79-05-18	30	<.02
79-02-06	<10	<.02
79-05-10	<10	<.02
78-10-04	<10	<.02
79-01-31	<10	<.02
79-04-24	20	<.02
78-10-10	20	<.02
79-01-30	20	<.02
79-05-22	90	<.02
79-01-24	<10	<.02
79-04-18	20	<.02
78-10-25	10	<.02
79-05-24	<10	<.02

## QUALITY OF GROUND WATER

251

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

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 (MICRO-MHOS)	PH (UNITS)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS Mg)
405345073203801	S 11105 SCWA RESERVOIR A	112GLCLU	79-01-15	517	158	6.6	53	13	4.7
		112GLCLU	79-06-04	517	112	5.9	28	8.1	2.8
405046073120602	S 11810 SCWA NY AVE	112GLCLU	78-11-15	164	73	6.3	27	5.6	2.2
405054073151001	S 11891 SCWA CORNELL DR	112GLCLU	79-05-09	119	258	5.1	62	14	5.2
405126073273802	S 12130 SCWA HARBOR RD.	112GLCLU	79-01-23	305	36	6.2	6	3.0	.6
		112GLCLU	79-04-23	305	36	5.7	9	1.9	.6
404531073150601	S 13534 SCWA EAST FORKS	112GLCLU	78-11-09	119	149	5.7	33	8.6	3.6
		112GLCLU	79-03-12	119	130	5.6	33	9.0	3.5
		112GLCLU	79-06-24	119	167	5.5	38	9.7	4.0
404937073060301	S 13620 SCWA SAMUEL ST. 1	112GLCLU	78-11-27	160	158	5.9	41	10	4.1
		112GLCLU	79-03-27	160	130	6.1	27	10	3.7
		112GLCLU	79-06-26	160	162	5.8	39	10	4.2

DATE OF SAMPLE	SODIUM, TOTAL RECOVERABLE (MG/L AS Na)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (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)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
79-01-15	8.4	1.0	30	12	12	4.0	<.01	<.01	<.10	30	40	<10
79-06-04	7.2	.9	12	8.9	9.5	4.2	<.01	<.01	<.10	60	70	20
78-11-15	5.7	.7	25	3.0	5.0	.43	<.01	<.01	1.4	40	100	<10
79-05-09	23	2.2	16	25	29	7.3	<.01	<.01	<.10	130	<10	30
79-01-23	3.6	.4	8	.8	4.5	1.2	<.01	<.01	<.10	100	<10	<10
79-04-23	3.6	.4	9	.7	5.0	1.2	<.01	<.01	<.10	100	30	<10
78-11-09	10	2.0	8	15	11	5.4	<.01	.10	<.10	70	<10	140
79-03-12	9.8	2.1	10	15	13	5.5	<.01	<.01	<.10	50	<10	150
79-06-24	10	2.2	8	15	14	5.8	<.01	<.01	<.10	<10	70	160
78-11-27	12	1.3	24	9.4	14	4.6	<.01	<.01	<.10	310	30	360
79-03-27	11	1.3	25	8.6	14	4.5	<.01	<.01	<.10	40	<10	90
79-06-26	14	1.7	24	9.5	15	4.6	<.01	<.01	<.10	<10	<10	130

DATE OF SAMPLE	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
79-01-15	30	<.02
79-06-04	40	<.02
78-11-15	30	<.02
79-05-09	<10	<.02
79-01-23	20	<.02
79-04-23	10	<.02
78-11-09	<10	.06
79-03-12	<10	.04
79-06-24	20	<.02
78-11-27	<10	<.02
79-03-27	<10	<.02
79-06-26	<10	<.02



## QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## 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 (MICRO- MHOS)	PH (UNITS)	HARD- NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)
404919073142701	S 14326	SCWA FALCON DR.	211MGTY	78-12-18	225	60	6.2	17	4.4	1.6
			211MGTY	79-04-25	225	72	6.5	17	5.2	1.8
			211MGTY	79-07-30	225	65	6.2	19	4.4	1.5
404551072561602	S 14710	SCWA HEAD OF NEC	112GLCLU	78-12-19	118	88	6.1	23	5.6	1.6
			112GLCLU	79-05-01	118	86	6.4	20	5.5	1.9
405453073030302	S 14792	SCWA JAYNE BLVD	211MGTY	78-11-07	453	100	6.5	30	7.8	3.0
			211MGTY	79-03-12	453	97	6.7	31	8.0	3.2
			211MGTY	79-07-23	453	112	6.5	35	8.3	3.3
405114073261001	S 14828	SCWA WOODCHUCK H	112GLCLU	79-01-22	508	103	6.1	30	6.6	2.6
			112GLCLU	79-04-25	508	98	6.2	27	7.9	2.8
405806072095401	S 14921	SCWA SPRING CLOS	112GLCLU	78-10-09	125	91	6.3	16	4.6	2.4
			112GLCLU	79-01-30	125	86	5.9	24	4.6	2.6
			112GLCLU	79-05-21	125	95	6.1	22	4.6	2.6
405308073175101	S 15514	SCWA GUN CLUB RD	211MGTY	79-01-25	595	127	6.7	36	9.9	3.5
			211MGTY	79-05-17	595	94	6.6	40	9.9	3.7

DATE OF SAMPLE	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHATE, TOTAL (MG/L AS PO4)	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)
78-12-18	4.7	.4	15	3.7	6.5	.83	<.01	<.01	<.10	20	<10	<10
79-04-25	4.9	.4	17	3.7	6.5	.91	<.01	<.01	<.10	50	50	<10
79-07-30	5.0	.4	16	2.8	6.0	.90	<.01	<.01	<.10	20	120	<10
78-12-19	6.9	1.0	15	7.9	8.5	1.9	<.01	<.01	<.10	30	40	80
79-05-01	6.9	1.0	15	7.7	8.0	1.8	<.01	<.01	<.10	20	140	80
78-11-07	5.4	.8	13	14	6.0	1.8	<.01	<.01	<.10	20	<10	<10
79-03-12	5.3	.8	19	13	5.5	1.9	<.01	<.01	<.10	<10	50	<10
79-07-23	5.6	.8	19	12	6.0	2.0	<.01	<.01	<.10	<10	20	<10
79-01-22	6.6	.8	10	5.5	9.5	4.5	<.01	<.01	<.10	20	<10	<10
79-04-25	6.4	.8	12	5.0	10	3.9	<.01	<.01	<.10	150	<10	<10
78-10-09	8.5	.7	11	10	12	.94	<.01	<.01	<.10	40	30	<10
79-01-30	8.4	.6	10	11	13	1.0	<.01	<.01	<.10	50	<10	<10
79-05-21	8.5	.7	11	10	13	.91	<.01	<.01	<.10	40	<10	<10
79-01-25	6.8	.7	14	15	10	3.6	<.01	<.01	<.10	60	30	<10
79-05-17	7.0	.7	16	17	11	3.6	.03	<.01	<.10	50	20	<10

DATE OF SAMPLE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)
78-12-18	<10	<.02
79-04-25	30	<.02
79-07-30	<10	<.02
78-12-19	40	<.02
79-05-01	<10	<.02
78-11-07	<10	<.02
79-03-12	250	<.02
79-07-23	<10	<.02
79-01-22	<10	<.02
79-04-25	20	<.02
78-10-09	<10	<.02
79-01-30	20	<.02
79-05-21	20	<.02
79-01-25	<10	<.02
79-05-17	10	<.02

## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## 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 (MICRO-MHOS)	PH (UNITS)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS Mg)			
405307073175001	S 15515 SCWA GUN CLUB RD	211MGTY	79-01-28	356	320	6.7	127	33	1.0			
		211MGTY	79-05-17	356	320	6.5	114	33	1.1			
404923073122401	S 15746 SCWA WHEELER RD.	112GLCLU	78-11-19	128	165	6.2	39	12	3.0			
		112GLCLU	79-03-21	128	250	5.7	56	16	5.1			
		112GLCLU	79-08-14	128	265	6.0	59	16	5.3			
405113073260801	S 15776 SCWA WOODCHUCK H	112GLCLU	79-01-21	503	100	6.2	32	6.6	2.7			
		112GLCLU	79-04-24	503	95	6.3	27	7.5	2.9			
404536073163301	S 15898 SCWA LOCUST DR.	112GLCLU	78-11-09	128	175	5.8	40	11	3.3			
		112GLCLU	79-03-12	128	167	5.5	38	10	3.4			
		112GLCLU	79-06-27	128	180	5.7	36	9.8	3.6			
405134073155901	S 15923 SCWA KINGS PARK	112GLCLU	79-01-09	260	178	5.2	47	9.3	5.7			
405607073072401	S 15962 SCWA MUD RD. 1	112GLCLU	79-01-24	127	175	6.1	55	13	5.7			
		112GLCLU	79-04-24	127	195	6.3	64	16	5.8			
404949073042801	S 16124 SCWA KAYRON DR.	112GLCLU	78-11-17	150	40	6.4	10	2.8	1.0			
DATE OF SAMPLE	SODIUM, TOTAL RECOVERABLE (MG/L AS Na)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (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)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
79-01-28	10	1.6	17	62	24	9.1	<.01	<.01	<.10	230	60	<10
79-05-17	10	1.8	15	64	24	9.2	<.01	<.01	<.10	80	80	<10
78-11-19	14	1.6	23	12	23	2.8	<.01	.09	<.10	70	30	20
79-03-21	28	2.1	19	22	44	5.6	<.01	.06	<.10	90	50	40
79-08-14	26	1.9	23	17	41	5.8	<.01	.10	<.10	100	80	30
79-01-21	6.0	.7	15	6.9	8.0	3.8	<.01	<.01	<.10	40	<10	<10
79-04-24	5.7	.7	14	5.6	8.0	3.4	<.01	<.01	<.10	50	<10	<10
78-11-09	14	2.4	10	18	18	5.2	<.01	.09	<.10	100	60	240
79-03-12	15	2.3	8	18	25	4.8	<.01	<.01	<.10	20	50	210
79-06-27	14	2.1	11	18	22	4.3	<.01	<.01	<.10	<10	70	170
79-01-09	13	1.4	9	17	17	7.8	<.01	<.01	<.10	40	<10	20
79-01-24	12	1.0	24	22	15	3.6	<.01	<.01	<.10	50	<10	<10
79-04-24	13	1.2	32	21	16	4.3	<.01	<.01	<.10	70	<10	<10
78-11-17	4.0	.3	14	1.3	3.0	.07	<.01	<.01	<.10	20	<10	<10
DATE OF SAMPLE	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)										
79-01-28	70	<.02										
79-05-17	40	<.02										
78-11-19	10	<.02										
79-03-21	50	.04										
79-08-14	70	<.02										
79-01-21	<10	<.02										
79-04-24	20	<.02										
78-11-09	20	.06										
79-03-12	20	<.02										
79-06-27	30	<.02										
79-01-09	20	<.02										
79-01-24	<10	<.02										
79-04-24	20	<.02										
78-11-17	20	<.02										

## QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

SUFFOLK COUNTY--Continued

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

STATION	NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	HARD- NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)
405301073153201	S 16129	SCWA CARLSON AVE	211MGTY	79-05-08	550	34	6.0	6	1.5	.4
404528073150801	S 16176	SCWA EAST FORKS	112GLCLU	78-11-14	117	45	5.8	9	2.8	.9
			112GLCLU	79-03-18	117	180	5.8	47	13	3.9
			112GLCLU	79-06-24	117	215	5.6	50	14	4.5
404402073193202	S 16256	SCWA AUGUST RD.	211MGTY	78-10-05	650	31	5.1	5	1.1	.4
			211MGTY	79-05-15	650	31	5.4	4	1.2	.4
405230073030601	S 16309	SCWA BOYLE RD	112GLCLU	78-11-20	251	59	6.5	22	5.5	1.8
			112GLCLU	79-06-27	251	61	7.0	16	4.9	1.7
405913072174301	S 16668		112GLCLU	79-01-15	146	63	6.4	15	3.0	1.2
			112GLCLU	79-04-17	146	64	6.3	13	3.0	1.2
404947072405601	S 16892	SCWA OLD COUNTRY	112GLCLU	78-10-10	76	77	5.8	16	4.8	1.5
			112GLCLU	79-02-13	76	77	6.1	20	4.8	1.5
			112GLCLU	79-06-11	76	73	5.4	17	4.0	1.4

DATE OF SAMPLE	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHATE, TOTAL (MG/L AS PO4)	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)
79-05-08	3.1	.3	8	1.1	5.0	.28	<.01	<.01	<.10	50	<10	<10
78-11-14	3.8	.8	8	7.6	4.5	.17	<.01	<.01	<.10	20	40	40
79-03-18	14	4.0	11	19	18	9.2	<.01	<.01	<.10	30	<10	290
79-06-24	14	4.2	9	20	17	9.3	<.01	<.01	<.10	60	<10	290
78-10-05	3.4	.4	5	1.3	3.5	<.01	<.01	<.01	.82	<10	320	<10
79-05-15	3.6	.4	6	1.4	5.5	<.01	<.01	<.01	1.6	30	210	<10
78-11-20	4.1	.4	22	3.6	4.0	.10	<.01	<.01	.31	40	30	<10
79-06-27	3.7	.4	22	3.1	2.5	.07	<.01	<.01	.30	<10	<10	<10
79-01-15	6.9	.4	15	1.1	9.5	<.01	<.01	.09	<.10	<10	7400	80
79-04-17	6.8	.4	16	1.5	10	<.01	<.01	.13	<.10	<10	7800	100
78-10-10	6.4	1.0	9	7.4	10	1.3	<.01	<.01	<.10	40	30	30
79-02-13	5.8	.9	8	8.0	10	1.2	<.01	<.01	<.10	20	<10	30
79-06-11	5.2	1.0	7	5.7	8.5	1.3	<.01	<.01	<.10	30	30	30

DATE OF SAMPLE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)
79-05-08	0	<.02
78-11-14	<10	<.02
79-03-18	<10	.05
79-06-24	<10	.02
78-10-05	<10	<.02
79-05-15	<10	<.02
78-11-20	20	<.02
79-06-27	20	<.02
79-01-15	<10	<.02
79-04-17	<10	<.02
78-10-10	<10	<.02
79-02-13	20	<.02
79-06-11	80	<.02

## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## 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 (MICRO-MHOS)	PH (UNITS)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS Mg)		
404952072583601	S 17037	SCWA RACE AVE. 1	112GLCLU	78-12-11	155	95	6.9	27	8.6	2.0		
			112GLCLU	79-04-16	155	102	6.2	27	7.1	2.1		
			112GLCLU	79-07-29	155	187	5.7	46	11	3.6		
405413072232901	S 17474	SCWA LONG SPRING	112GLCLU	78-12-26	103	240	6.1	88	23	7.7		
			112GLCLU	79-04-16	103	236	6.0	95	23	8.1		
404933073060301	S 17630	SCWA SAMUEL ST. 2	112GLCLU	78-11-27	178	173	6.1	45	11	4.5		
			112GLCLU	79-02-21	178	183	6.0	45	11	4.3		
			112GLCLU	79-06-26	178	177	5.7	43	10	4.2		
405449073025601	S 17689	SCWA JAYNE BLVD.	211MGTY	78-11-13	543	56	6.7	15	9.1	1.5		
404233073204101	S 18003	SCWA SAWYER AVE.	211MGTY	78-11-09	668	22	5.0	2	.7	.2		
			211MGTY	79-06-24	668	20	4.8	2	.6	.2		
404707073190401	S 18261	SCWA PLYMOUTH ST	211MGTY	78-10-10	377	41	5.4	7	2.0	.8		
			211MGTY	79-01-27	377	55	5.8	9	3.2	1.2		
			211MGTY	79-05-07	377	44	5.7	9	2.0	.8		
DATE OF SAMPLE	SODIUM, TOTAL RECOVERABLE (MG/L AS Na)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (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)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
78-12-11	5.6	.7	23	8.2	7.0	.54	<.01	<.01	<.10	50	60	<10
79-04-16	8.9	1.3	16	11	9.0	2.5	<.01	<.01	<.10	40	10	<10
79-07-29	12	2.3	15	18	14	6.5	<.01	.11	<.10	<10	450	170
78-12-26	9.4	1.7	12	55	16	6.3	<.01	<.01	<.10	70	40	<10
79-04-16	8.9	1.8	14	52	17	5.9	<.01	<.01	<.10	40	20	<10
78-11-27	13	1.6	24	13	15	5.5	<.01	<.01	<.10	60	<10	130
79-02-21	13	1.7	24	12	15	5.9	<.01	<.01	<.10	50	<10	30
79-06-26	14	1.6	24	11	16	5.0	<.01	<.01	<.10	<10	<10	150
78-11-13	4.5	.5	14	3.9	4.0	.71	<.01	<.01	<.10	20	80	<10
78-11-09	2.2	.3	3	2.5	1.5	<.01	<.01	<.01	<.10	40	460	<10
79-06-24	2.3	.3	4	2.1	2.5	<.01	<.01	<.01	<.10	<10	320	<10
78-10-10	4.1	.4	7	1.2	4.5	1.3	<.01	<.01	<.10	160	<10	20
79-01-27	5.0	.5	9	2.0	5.5	1.8	<.01	<.01	<.10	160	<10	<10
79-05-07	4.4	.4	8	1.5	4.0	1.5	<.01	<.01	<.10	110	<10	<10
DATE OF SAMPLE	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)										
78-12-11	<10	<.02										
79-04-16	<10	<.02										
79-07-29	20	<.02										
78-12-26	40	<.02										
79-04-16	<10	<.02										
78-11-27	<10	<.02										
79-02-21	<10	<.02										
79-06-26	<10	<.02										
78-11-13	130	<.02										
78-11-09	20	<.02										
79-06-24	20	<.02										
78-10-10	<10	<.02										
79-01-27	20	<.02										
79-05-07	<10	<.02										

## QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## 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 (MICRO- MHOS)	PH (UNITS)	HARD- NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)
404528073150501	S 18566	SCWA EAST FORKS	211MGTY	78-11-13	65	91	5.6	22	5.7	2.1
			211MGTY	79-03-13	65	96	5.8	24	7.2	2.0
			211MGTY	79-06-27	65	40	6.2	9	2.4	.8
404704073190401	S 18621	SCWA PLYMOUTH ST	112GLCLU	78-10-13	201	70	5.7	14	3.2	1.8
			112GLCLU	79-01-28	201	81	6.0	13	3.4	1.0
			112GLCLU	79-05-08	201	70	6.0	16	3.1	1.9
410310071570001	S 18762		112GLCLU	78-10-09	167	250	6.5	36	8.0	4.4
			112GLCLU	79-01-23	167	168	6.8	31	6.5	3.6
404301073161901	S 19048	SCWA UNION ST	112GLCLU	78-11-16	731	38	5.7	16	2.1	1.0
			112GLCLU	79-06-24	731	30	4.9	2	.7	.3
405356073275801	S 19198	SCWA WEST NECK R	211LLYD	79-01-22	431	71	6.0	20	4.0	1.7
			211LLYD	79-04-19	431	71	6.0	18	4.2	1.7
404921073122701	S 19399	SCWA WHEELER RD.	112GLCLU	78-11-19	131	250	5.8	58	18	4.7
			112GLCLU	79-03-27	131	207	6.3	50	15	4.1
			112GLCLU	79-08-15	131	240	6.0	54	15	4.3

DATE OF SAMPLE	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHATE, TOTAL (MG/L AS PO4)	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)
78-11-13	6.3	1.0	10	15	8.0	1.2	<.01	<.01	<.10	90	50	60
79-03-13	6.9	1.2	14	17	8.5	.95	.02	<.01	<.10	50	40	70
79-06-27	3.4	.4	9	4.5	3.0	.06	<.01	<.01	<.10	<10	<10	<10
78-10-13	6.1	.5	11	2.0	3.0	2.3	<.01	<.01	<.10	40	<10	<10
79-01-28	3.9	.4	10	2.3	5.0	1.2	<.01	<.01	<.10	170	40	<10
79-05-08	6.5	.5	12	2.4	7.0	2.5	<.01	<.01	<.10	140	<10	<10
78-10-09	33	1.7	26	11	52	.32	<.01	<.01	<.10	20	70	50
79-01-23	19	1.3	26	9.6	26	.33	<.01	<.01	<.10	<10	<10	<10
78-11-16	3.8	.6	14	1.5	4.0	<.01	<.01	<.01	.82	20	280	20
79-06-24	4.8	.5	4	1.5	3.0	<.01	<.01	<.01	1.5	<10	380	<10
79-01-22	5.6	.7	16	4.7	6.0	1.3	<.01	<.01	<.10	120	40	<10
79-04-19	5.7	.7	15	4.3	6.0	1.4	<.01	<.01	<.10	120	<10	<10
78-11-19	23	3.0	20	17	43	6.2	<.01	.81	<.10	90	60	90
79-03-27	21	2.8	21	18	38	4.1	<.01	.60	<.10	70	<10	40
79-08-15	24	2.4	21	18	39	4.1	<.01	.49	<.10	100	60	40

DATE OF SAMPLE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)
78-11-13	30	<.02
79-03-13	<10	<.02
79-06-27	<10	<.02
78-10-13	<10	<.02
79-01-28	<10	<.02
79-05-08	<10	<.02
78-10-09	<10	<.02
79-01-23	<10	<.02
78-11-16	20	<.02
79-06-24	20	<.02
79-01-22	20	<.02
79-04-19	20	<.02
78-11-19	40	<.02
79-03-27	20	.03
79-08-15	70	<.02

## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## 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 (MICRO-MHOS)	PH (UNITS)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS Mg)
404953072583601	S 19408 SCWA RACE AVE. 2	112GLCLU	78-12-17	166	83	6.7	30	7.2	2.8
		112GLCLU	79-07-29	166	120	6.3	33	8.3	2.8
405443073064501	S 19465 SCWA DAN WEBSTER	112GLCLU	78-11-14	178	106	6.2	35	10	3.4
		112GLCLU	79-03-05	178	120	7.1	37	8.8	3.6
		112GLCLU	79-07-17	178	138	6.1	36	9.4	3.9
404550073104301	S 19565 SCWA BELLMORE AV	211MGTY	78-11-20	117	217	5.4	63	19	4.3
		211MGTY	79-03-28	117	178	6.1	54	16	3.6
		211MGTY	79-08-08	117	204	5.5	55	15	3.3
404808073113301	S 19584 SCWA HALF MILE R	112GLCLU	78-11-19	155	92	7.1	29	12	1.8
		112GLCLU	79-04-10	155	91	6.6	28	8.0	1.6
405129073071901	S 19884 SCWA SY CT #1	112GLCLU	78-12-06	288	109	5.7	28	7.1	2.6
		112GLCLU	79-02-21	288	104	6.1	30	6.9	2.5
		112GLCLU	79-07-18	288	130	5.9	31	7.7	3.2
405128073072001	S 19885 SCWA SY CT #2	112GLCLU	79-02-22	297	132	5.8	31	9.0	2.8

DATE OF SAMPLE	SODIUM, TOTAL RECOVERABLE (MG/L AS Na)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (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)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
78-12-17	4.3	.5	22	5.8	5.0	.52	<.01	<.01	<.10	50	60	<10
79-07-29	7.9	.9	18	10	8.0	2.7	<.01	<.01	<.10	40	60	<10
78-11-14	8.1	.7	24	3.8	11	3.3	<.01	<.01	<.10	20	30	<10
79-03-05	8.7	.7	24	3.5	11	3.7	<.01	<.01	<.10	60	30	<10
79-07-17	9.8	.8	23	3.3	12	4.5	<.01	<.01	<.10	50	<10	<10
78-11-20	11	5.1	11	35	17	5.0	<.01	<.01	<.10	110	<10	50
79-03-28	10	4.7	10	32	15	4.7	<.01	<.01	<.10	80	30	60
79-08-08	12	2.1	12	28	16	4.9	<.01	<.01	<.10	30	<10	80
78-11-19	5.3	.6	30	3.5	6.5	1.1	<.01	<.01	<.10	50	40	30
79-04-10	5.7	.6	22	3.2	8.5	1.6	<.01	<.01	<.10	70	50	<10
78-12-06	8.4	.8	13	7.3	10	3.5	<.01	<.01	<.10	20	60	20
79-02-21	7.8	.8	15	6.8	10	3.8	<.01	<.01	<.10	20	30	<10
79-07-18	9.3	.9	14	8.9	10	4.5	<.01	<.01	<.10	<10	30	<10
79-02-22	9.9	.8	16	7.0	12	4.6	<.01	<.01	<.10	30	90	<10

DATE OF SAMPLE	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
78-12-17	40	<.02
79-07-29	40	<.02
78-11-14	30	<.02
79-03-05	10	<.02
79-07-17	<10	<.02
78-11-20	<10	<.02
79-03-28	<10	<.02
79-08-08	60	<.02
78-11-19	130	<.02
79-04-10	30	<.02
78-12-06	<10	<.02
79-02-21	<10	<.02
79-07-18	20	<.02
79-02-22	840	<.02



## QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## 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 TOTAL (MICRO- MHOS)	PH (UNITS)	HARD- NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)
404519073225101	S 20057	SCWA CIRCLE DR.	112GLCLU	78-10-06	200	26	5.4	4	1.3	.3
			112GLCLU	79-01-28	200	19	5.8	5	2.2	.3
			112GLCLU	79-05-16	200	32	6.5	11	3.9	.3
404516073225101	S 20300	SCWA CIRCLE DR.	211MGTY	78-10-11	232	20	5.4	3	1.0	.2
			211MGTY	79-01-30	232	20	5.7	6	1.6	.2
			211MGTY	79-05-08	232	20	5.8	4	1.3	.2
404936073152501	S 20369	SCWA AUTUMN DR.	211MGTY	78-12-20	312	41	5.8	12	2.5	.8
			211MGTY	79-04-16	312	41	6.2	13	2.7	.9
			211MGTY	79-07-30	312	41	5.9	10	2.2	.8
404240073225002	S 20460	SCWA TENETY ST.	211MGTY	78-10-25	499	33	4.7	4	.8	.3
			211MGTY	79-06-26	499	35	4.9	4	.8	.3
404547073104201	S 20479	SCWA BELLMORE AV	112GLCLU	78-11-20	128	184	5.7	45	13	3.1
			112GLCLU	79-03-21	128	143	5.7	43	13	3.3
			112GLCLU	79-08-14	128	167	5.5	45	14	3.5

DATE OF SAMPLE	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHATE, TOTAL (MG/L AS PO4)	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)
78-10-06	2.8	.3	5	1.0	4.5	.26	<.01	<.01	<.10	40	<10	<10
79-01-28	2.7	.3	8	.7	4.0	.18	<.01	<.01	<.10	30	30	<10
79-05-16	2.5	.3	13	.8	3.5	.03	<.01	<.01	<.10	<10	<10	<10
78-10-11	2.3	.2	5	.8	3.5	.03	<.01	<.01	<.10	50	<10	<10
79-01-30	2.1	.3	7	.5	2.5	<.01	<.01	<.01	<.10	40	<10	<10
79-05-08	2.4	.3	4	.4	3.0	.04	<.01	<.01	<.10	30	<10	<10
78-12-20	3.9	.4	10	1.0	4.5	.88	<.01	<.01	<.10	50	<10	<10
79-04-16	4.2	.4	13	.4	4.5	.81	<.01	<.01	<.10	90	40	<10
79-07-30	4.2	.4	10	.5	3.5	.85	<.01	<.01	<.10	20	50	<10
78-10-25	4.2	.3	3	2.3	3.5	.01	<.01	<.01	1.4	80	390	20
79-06-26	3.7	.3	3	7.7	4.0	<.01	<.01	<.01	.15	70	470	<10
78-11-20	8.1	3.6	12	24	11	4.0	<.01	<.01	<.10	70	20	70
79-03-21	7.9	4.2	13	28	11	4.4	<.01	<.01	<.10	60	<10	110
79-08-14	10	4.3	11	23	14	4.9	<.01	<.01	<.10	50	60	110

DATE OF SAMPLE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	METHY- LENE, BLUE ACTIVE SUB- STANCE (MG/L)
78-10-06	<10	<.02
79-01-28	10	<.02
79-05-16	<10	<.02
78-10-11	<10	<.02
79-01-30	30	<.02
79-05-08	<10	<.02
78-12-20	<10	<.02
79-04-16	30	<.02
79-07-30	30	<.02
78-10-25	<10	<.02
79-06-26	<10	<.02
78-11-20	<10	<.02
79-03-21	<10	<.02
79-08-14	40	<.02



## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## 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 (MICRO- MHOS)	PH (UNITS)	HARD- NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)
405257073202901	S 20530	SCWA LAUREL HILL	112GLCLU	78-10-19	607	52	6.2	13	4.2	1.1
			112GLCLU	79-01-29	607	66	6.6	19	6.8	.9
			112GLCLU	79-06-05	607	35	5.8	7	1.9	.6
404318073153802	S 20560	SCWA N. FIFTH AV	112GLCLU	79-05-03	51	26	5.3	5	1.4	.3
404317073153601	S 20566	SCWA N FIFTH AVE	211MGTY	78-12-14	775	28	5.4	5	1.2	.3
			211MGTY	79-09-19	775	26	4.7	4	1.0	.3
404504073131701	S 20603	SCWA 41 ST	112GLCLU	78-11-15	110	163	5.4	35	10	2.9
			112GLCLU	79-03-28	110	152	5.5	33	10	2.9
			112GLCLU	79-08-21	110	173	5.2	36	12	3.3
404402073193201	S 20635	SCWA AUGUST RD	211MGTY	78-10-24	704	35	5.2	4	1.8	.6
			211MGTY	79-05-07	704	32	5.4	5	1.2	.5
404941072372207	S 20688	SCWA MEETING HOU	112GLCLU	78-10-10	78	76	5.8	24	4.7	2.0
			112GLCLU	79-02-13	78	66	6.2	21	4.7	2.0
			112GLCLU	79-06-11	78	84	6.0	21	5.7	2.1

DATE OF SAMPLE	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHATE, TOTAL (MG/L AS PO4)	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)
78-10-19	4.5	.5	12	2.3	4.5	2.0	<.01	<.01	<.10	80	<10	20
79-01-29	4.2	.5	18	2.0	6.5	1.8	<.01	<.01	<.10	40	90	10
79-06-05	3.5	.4	8	.6	4.0	1.0	<.01	<.01	<.10	140	60	20
79-05-03	2.8	.3	5	2.5	3.0	<.01	<.01	<.01	<.10	130	400	<10
78-12-14	2.8	.4	4	3.2	3.5	<.01	<.01	<.01	<.10	240	210	<10
79-09-19	3.0	.3	4	2.4	3.0	<.01	<.01	<.01	<.10	120	350	<10
78-11-15	12	2.1	11	20	15	3.9	<.01	.77	<.10	110	<10	480
79-03-28	11	2.1	11	21	13	4.0	<.01	.56	<.10	<10	60	490
79-08-21	16	2.3	12	18	22	4.8	<.01	.76	<.10	50	50	450
78-10-24	3.8	.4	6	2.0	4.0	<.01	<.01	<.01	1.4	50	580	20
79-05-07	3.0	.4	4	4.5	4.5	<.01	<.01	<.01	.36	<10	450	<10
78-10-10	4.7	.0	14	8.7	5.5	.88	<.01	<.01	<.10	90	<10	80
79-02-13	4.5	.7	14	8.5	6.5	.97	<.01	<.01	<.10	110	<10	20
79-06-11	5.2	.5	15	9.0	6.5	.87	<.01	<.01	<.10	40	<10	<10

DATE OF SAMPLE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)
78-10-19	<10	<.02
79-01-29	<10	<.02
79-06-05	<10	<.02
79-05-03	70	<.02
78-12-14	120	<.02
79-09-19	80	<.02
78-11-15	<10	.12
79-03-28	<10	.09
79-08-21	50	.14
78-10-24	20	<.02
79-05-07	<10	<.02
78-10-10	70	<.02
79-02-13	20	<.02
79-06-11	<10	<.02

## QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## 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 (MICRO-MHOS)	PH (UNITS)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS Mg)
405045073120401	S 20689 SCWA NEW YORK AV	211MGTY	78-11-15	596	57	6.1	22	5.3	1.8
		211MGTY	79-08-07	596	51	6.2	17	3.6	1.5
404158073212201	S 20955 SCWA ALBIN RD.	211MGTY	79-06-26	630	28	5.2	3	.8	.3
405134073235702	S 21121	112GLCLU	79-01-21	560	73	6.5	23	5.1	1.8
		112GLCLU	79-04-24	560	72	6.7	20	5.3	1.9
404304073162001	S 21244 SCWA UNION ST	211MGTY	78-11-13	602	35	6.1	7	1.9	1.0
		211MGTY	79-06-25	602	41	6.0	8	1.8	1.0
404717072595601	S 21247 SCWA BARTON AVE.	112GLCLU	78-12-24	145	114	5.8	34	7.9	2.6
		112GLCLU	79-03-28	145	116	5.8	29	7.2	2.4
		112GLCLU	79-08-22	145	111	5.6	26	7.4	2.3
		112GLCLU	79-09-04	145	53	6.3	18	3.9	1.2
404357073181601	S 21366 SCWA HARVEST LAN	211MGTY	78-11-13	455	28	5.7	14	2.0	.6
		211MGTY	79-03-13	455	30	6.4	8	2.1	.6
		211MGTY	79-06-26	455	31	5.9	6	1.6	.5

DATE OF SAMPLE	SODIUM, TOTAL RECOVERABLE (MG/L AS Na)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (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)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)	COPPER, TOTAL RECOVERABLE (UG/L AS Cu)	IRON, TOTAL RECOVERABLE (UG/L AS Fe)	MANGANESE, TOTAL RECOVERABLE (UG/L AS Mn)
78-11-15	3.7	.5	20	2.5	4.0	.16	<.01	<.01	<.01	30	20	<10
79-08-07	3.4	.4	19	2.5	3.5	<.01	<.01	<.01	<.10	<10	120	<10
79-06-26	3.2	.3	4	1.7	2.5	<.01	<.01	<.01	1.3	30	360	<10
79-01-21	5.6	.5	19	.5	6.5	2.1	<.01	<.01	<.10	50	<10	<10
79-04-24	5.8	.6	18	.7	6.0	2.3	<.01	<.01	<.10	50	40	<10
78-11-13	3.4	.5	10	2.9	3.0	<.01	<.01	<.01	<.10	<10	510	20
79-06-25	4.3	.6	10	1.2	3.0	<.01	<.01	<.01	.87	<10	420	<10
78-12-24	6.5	1.7	9	12	10	3.3	<.01	<.01	<.10	50	<10	40
79-03-28	7.8	1.6	11	12	11	3.2	<.01	<.01	<.10	50	20	60
79-08-22	9.2	1.5	12	11	13	3.2	<.01	.16	<.10	30	<10	50
79-09-04	3.7	.3	18	1.9	4.0	.13	<.01	<.01	<.10	30	30	<10
78-11-13	2.8	.4	9	.9	3.5	<.01	<.01	<.01	.40	50	320	20
79-03-13	2.6	.4	10	2.9	2.5	<.01	<.01	<.01	<.10	<10	470	30
79-06-26	3.1	.4	7	2.0	2.0	<.01	<.01	<.01	.73	<10	390	20

DATE OF SAMPLE	ZINC, TOTAL RECOVERABLE (UG/L AS Zn)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
78-11-15	20	<.02
79-08-07	20	<.02
79-06-26	70	<.02
79-01-21	20	<.02
79-04-24	10	<.02
78-11-13	<10	<.02
79-06-25	20	<.02
78-12-24	20	<.02
79-03-28	20	<.02
79-08-22	<10	<.02
79-09-04	<10	<.02
78-11-13	20	<.02
79-03-13	<10	<.02
79-06-26	20	<.02

## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## 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 (MICRO-MHOS)	PH (UNITS)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS Mg)
404320073222401	S 21487 SCWA TWELFTH ST.	211MGTY	78-10-28	337	69	4.9	8	1.8	.8
		211MGTY	79-06-20	337	70	5.3	8	2.1	.8
405443073064502	S 21632 SCWA DAN WEBSTER	211MGTY	78-11-01	516	32	5.9	7	1.8	.6
		211MGTY	79-03-04	516	108	6.9	38	9.6	3.2
		211MGTY	79-07-17	516	34	6.1	7	2.1	.7
405159073085501	S 21945 SCWA ASTOR AVE.	211MGTY	78-11-06	726	60	6.1	12	3.3	1.4
		211MGTY	79-07-23	726	64	6.0	17	3.6	1.4
405259073202801	S 22048 SCWA LAUREL HILL	112GLCLU	78-10-19	600	55	6.1	13	4.3	1.2
		112GLCLU	79-01-29	600	44	6.3	13	3.2	.7
		112GLCLU	79-06-05	600	38	6.0	8	1.7	.6
405127073070901	S 22171 SCWA HY PLACE	211MGTY	78-11-14	332	160	5.9	42	12	4.3
		211MGTY	79-02-21	332	160	5.9	45	11	4.1
404054073231801	S 22351 SCWA LAMBERT AVE	211MGTY	78-10-28	558	31	5.1	4	1.5	.7
		211MGTY	79-06-24	558	35	5.3	6	1.3	.7

DATE OF SAMPLE	SODIUM, TOTAL RECOVERABLE (MG/L AS Na)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (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)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)	COPPER, TOTAL RECOVERABLE (UG/L AS Cu)	IRON, TOTAL RECOVERABLE (UG/L AS Fe)	MANGANESE, TOTAL RECOVERABLE (UG/L AS Mn)
78-10-28	8.1	.5	5	7.2	12	<.01	<.01	.27	<.10	30	810	40
79-06-20	8.5	.6	6	4.8	9.0	<.01	<.01	<.01	3.1	30	700	30
78-11-01	3.3	.3	11	1.7	3.0	.07	<.01	<.01	<.10	30	<10	<10
79-03-04	5.7	.6	21	13	7.0	2.1	<.01	<.01	<.10	30	10	<10
79-07-17	3.4	.3	9	1.3	4.0	.09	<.01	<.01	<.10	<10	<10	<10
78-11-06	4.2	.7	12	10	3.5	<.01	<.01	<.01	<.10	50	150	120
79-07-23	4.4	.6	13	8.4	4.0	<.01	<.01	<.01	<.10	30	150	130
78-10-19	4.7	.5	9	2.5	5.5	2.2	<.01	<.01	<.10	100	<10	20
79-01-29	3.7	.4	10	1.1	4.5	1.4	<.01	<.01	<.10	150	30	<10
79-06-05	3.7	.4	8	.6	5.0	1.2	<.01	<.01	<.10	130	<10	<10
78-11-14	11	1.4	14	15	14	5.9	<.01	<.01	<.10	40	<10	<10
79-02-21	11	1.3	17	14	15	5.8	<.01	<.01	<.10	30	20	<10
78-10-28	2.9	.4	4	5.6	5.0	<.01	<.01	<.01	<.10	30	280	<10
79-06-24	3.2	.4	5	5.8	3.0	<.01	<.01	<.01	.39	50	280	20

DATE OF SAMPLE	ZINC, TOTAL RECOVERABLE (UG/L AS Zn)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
78-10-28	20	<.02
79-06-20	30	<.02
78-11-01	<10	<.02
79-03-04	<10	<.02
79-07-17	<10	<.02
78-11-06	<10	<.02
79-07-23	20	<.02
78-10-19	<10	<.02
79-01-29	<10	<.02
79-06-05	<10	<.02
78-11-14	20	.06
79-02-21	<10	<.02
78-10-28	<10	<.02
79-06-24	<10	<.02

## QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## 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 (MICRO-MHOS)	PH (UNITS)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS Mg)		
404955073170401	S 22362	SCWA SCHUYLER DR	112GLCLU	79-01-17	314	89	6.5	26	6.6	2.4		
			112GLCLU	79-05-10	314	92	6.3	29	6.4	2.5		
404357073181502	S 22389	SCWA HARVEST LA.	211MGTY	78-11-17	465	41	6.0	9	2.9	.8		
			211MGTY	79-03-14	465	33	6.2	9	2.5	.7		
			211MGTY	79-06-24	465	37	6.0	11	2.5	.7		
404922073162901	S 22471	SCWA WICKS RD. 1	211MGTY	79-01-09	383	46	5.3	10	2.6	.9		
			211MGTY	79-05-09	383	48	5.7	10	2.7	1.0		
405155073045202	S 22547	SCWA EASTWOOD	112GLCLU	78-11-29	109	123	6.2	27	7.0	2.4		
			112GLCLU	79-03-27	109	108	6.3	22	6.0	2.2		
			112GLCLU	79-07-18	109	170	6.1	38	9.9	3.7		
404705073190701	S 22548	SCWA PLYMOUTH ST	211MGTY	78-10-12	416	27	4.9	8	1.1	.3		
			211MGTY	79-01-24	416	25	5.1	10	1.2	.3		
			211MGTY	79-05-09	416	27	5.0	4	1.0	.3		
405625073031801	S 22640	SCWA BELLE TERRE	211MGTY	79-01-31	453	175	7.2	60	14	5.5		
			211MGTY	79-04-30	453	220	7.1	72	19	7.4		
DATE OF SAMPLE	SODIUM, TOTAL RECOVERABLE (MG/L AS Na)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (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)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
79-01-17	5.8	.6	21	4.9	6.5	2.5	<.01	<.01	<.10	50	<10	<10
79-05-10	6.1	.6	21	4.2	6.5	2.5	<.01	<.01	<.10	90	30	<10
78-11-17	4.4	.5	14	2.4	3.0	<.01	<.01	<.01	2.4	50	710	40
79-03-14	2.8	.4	13	2.3	3.5	<.01	<.01	<.01	<.10	<10	570	30
79-06-24	3.1	.4	12	1.6	2.0	<.01	<.01	<.01	<.10	<10	620	40
79-01-09	4.2	.5	8	.5	4.5	2.1	<.01	<.01	<.10	90	<10	<10
79-05-09	3.9	.5	7	5	6.0	1.9	<.01	<.01	<.10	80	20	20
78-11-29	10	1.3	12	11	11	3.9	<.01	<.01	<.10	90	40	40
79-03-27	9.9	1.4	12	10	12	3.3	<.01	<.01	<.10	90	40	60
79-07-18	12	1.5	16	10	13	6.7	<.01	<.01	<.10	60	80	80
78-10-12	2.6	.3	3	2.3	4.0	.53	<.01	<.01	<.10	160	60	20
79-01-24	2.6	.3	4	1.7	3.0	.57	<.01	<.01	<.10	160	70	<10
79-05-09	2.7	.3	4	1.4	3.0	.58	<.01	<.01	<.10	250	30	<10
79-01-31	8.6	1.0	31	16	16	2.4	<.01	<.01	<.10	<10	<10	<10
79-04-30	12	1.1	42	25	23	3.5	<.01	<.01	<.10	30	90	<10
DATE OF SAMPLE	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)										
79-01-17	<10	<.02										
79-05-10	<10	<.02										
78-11-17	40	<.02										
79-03-14	<10	<.02										
79-06-24	<10	<.02										
79-01-09	<10	<.02										
79-05-09	<10	<.02										
78-11-29	<10	<.02										
79-03-27	20	<.02										
79-07-18	50	<.02										
78-10-12	<10	<.02										
79-01-24	30	<.02										
79-05-09	<10	<.02										
79-01-31	<10	<.02										
79-04-30	<10	<.02										

## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## 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 (MICRO-MHOS)	PH (UNITS)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS Mg)
404632073070801	S 22711 SCWA LOCUST AVE.	112GLCLU	78-10-24	140	77	7.2	28	9.4	1.2
404458073182501	S 23046 SCWA BROOK AVE	211MGTY	78-10-13	448	24	5.4	6	1.2	.3
		211MGTY	79-01-24	448	22	5.3	3	.9	.3
		211MGTY	79-05-08	448	25	5.1	3	.9	.3
404921073122702	S 23183 SCWA WHEELER RD.	211MGTY	78-11-19	341	94	6.4	32	8.3	3.2
		211MGTY	79-03-27	341	62	6.6	21	5.1	1.9
		211MGTY	79-08-07	341	98	6.2	30	6.9	2.8
405124072353602	S 23184 SCWA SPINNEY RD.	112GLCLU	78-10-10	118	134	5.7	39	9.2	4.2
		112GLCLU	79-02-13	118	122	5.8	41	9.1	4.0
		112GLCLU	79-06-11	118	172	5.9	51	11	5.7
405607073072402	S 23185 SCWA MUD RD. 2	211MGTY	79-01-30	544	33	6.9	8	2.6	.5
		211MGTY	79-04-23	544	33	6.0	9	2.1	.7
405251073142801	S 23186 SCWA LAWRENCE RD	211MGTY	79-01-17	497	59	6.9	20	5.7	.8
		211MGTY	79-05-08	497	47	6.2	11	3.6	.6

DATE OF SAMPLE	SODIUM, TOTAL RECOVERABLE (MG/L AS Na)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (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)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
78-10-24	5.1	.5	26	3.1	5.5	1.2	<.01	<.01	<.10	20	<10	<10
78-10-13	2.1	.2	5	2.9	3.5	<.01	<.01	<.01	<.10	40	110	20
79-01-24	2.2	.2	4	3.1	2.5	<.01	<.01	<.01	<.10	20	140	20
79-05-08	2.3	.2	4	3.0	2.0	<.01	<.01	<.01	<.10	30	160	10
78-11-19	5.4	.5	19	11	6.0	1.5	<.01	<.01	<.10	60	80	20
79-03-27	4.6	.5	16	6.2	6.0	1.3	<.01	<.01	<.10	70	40	<10
79-08-07	5.7	.5	18	12	7.0	1.5	<.01	<.01	<.10	40	60	10
78-10-10	6.3	1.4	6	22	11	2.5	<.01	<.01	<.10	130	<10	20
79-02-13	5.8	1.4	8	23	9.0	2.4	<.01	<.01	<.10	140	40	<10
79-06-11	7.3	1.4	8	31	11	3.1	<.01	<.01	<.10	90	<10	<10
79-01-30	3.4	.4	9	2.6	3.5	.11	<.01	<.01	<.10	30	80	10
79-04-23	3.2	.3	11	1.9	2.5	<.01	<.01	<.01	<.10	30	<10	<10
79-01-17	3.9	.4	18	1.4	5.5	.62	<.01	<.01	<.10	50	<10	<10
79-05-08	3.9	.3	11	1.6	6.0	.61	<.01	<.01	<.10	70	30	<10

DATE OF SAMPLE	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
78-10-24	<10	<.02
78-10-13	20	<.02
79-01-24	<10	<.02
79-05-08	<10	<.02
78-11-19	20	<.02
79-03-27	70	<.02
79-08-07	<10	<.02
78-10-10	<10	<.02
79-02-13	20	<.02
79-06-11	70	<.02
79-01-30	160	<.02
79-04-23	<10	<.02
79-01-17	<10	<.02
79-05-08	10	<.02

## QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## 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 (MICRO-MHOS)	PH (UNITS)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS Mg)
405453073030301	S 23255 SCWA JAYNE BLVD.	211MGTY	78-11-14	487	90	6.7	28	7.4	2.5
		211MGTY	79-07-23	487	50	6.5	15	3.9	1.0
405336073202101	S 23371 SCWA CHURCH ST.	112GLCLU	78-12-28	474	60	5.9	20	3.8	1.1
		112GLCLU	79-05-08	474	63	6.0	15	3.6	1.2
404942072591601	S 23440 SCWA BEECHNUT AV	112GLCLU	78-12-11	165	135	6.2	33	8.5	3.2
		112GLCLU	79-04-16	165	134	6.2	38	8.7	3.3
		112GLCLU	79-07-29	165	180	5.8	45	10	3.9
404659073164101	S 23445 SCWA EMJAY BLVD.	211MGTY	78-12-20	608	37	5.7	8	4.8	.9
		211MGTY	79-04-17	608	48	6.1	11	3.1	1.3
		211MGTY	79-08-03	608	35	5.4	9	1.7	.7
405158073030001	S 23524 SCWA BOYLE RD	112GLCLU	78-11-20	446	40	6.2	9	2.7	.9
		112GLCLU	79-06-26	446	44	6.6	9	2.5	.9
405047073120601	S 23631 SCWA NEW YORK AV	211MGTY	78-11-15	595	52	5.8	14	3.5	1.6
		211MGTY	79-08-15	595	50	6.2	16	3.5	1.5

DATE OF SAMPLE	SODIUM, TOTAL RECOVERABLE (MG/L AS Na)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (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)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
78-11-14	5.2	.6	16	11	6.0	1.5	<.01	<.01	<.10	<10	<10	<10
79-07-23	3.4	.4	18	1.8	3.5	.07	<.01	<.01	<.10	<10	<10	<10
78-12-28	5.3	.6	8	1.2	5.0	2.9	<.01	<.01	<.10	110	<10	<10
79-05-08	5.2	.6	8	.8	6.0	3.0	<.01	<.01	<.10	130	<10	<10
78-12-11	11	1.5	17	12	11	4.0	<.01	<.01	<.10	10	<10	50
79-04-16	11	1.6	21	12	11	4.6	<.01	<.01	<.10	10	30	60
79-07-29	14	2.1	21	14	14	6.8	<.01	<.01	<.10	<10	70	80
78-12-20	2.7	.3	7	1.4	4.0	.89	<.01	<.01	<.10	100	<10	<10
79-04-17	4.2	.4	12	1.4	5.0	1.4	<.01	<.01	<.10	300	100	20
79-08-03	3.4	.3	9	.8	4.0	.61	<.01	<.01	<.10	50	20	<10
78-11-20	3.8	.4	11	2.4	4.0	.37	<.01	<.01	<.10	30	30	<10
79-06-26	4.1	.4	12	1.7	4.5	.40	<.01	<.01	<.10	<10	<10	<10
78-11-15	4.7	.5	19	2.5	4.5	<.01	<.01	<.01	1.9	30	950	20
79-08-15	3.6	.4	16	2.6	4.5	<.01	<.01	<.01	<.10	30	1060	<10

DATE OF SAMPLE	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
78-11-14	<10	<.02
79-07-23	<10	<.02
78-12-28	<10	<.02
79-05-08	20	<.02
78-12-11	<10	<.02
79-04-16	20	<.02
79-07-29	20	<.02
78-12-20	60	<.02
79-04-17	30	<.02
79-08-03	<10	<.02
78-11-20	20	<.02
79-06-26	<10	<.02
78-11-15	30	<.02
79-08-15	40	<.02



## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## 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 (MICRO-MHOS)	PH (UNITS)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS Mg)			
405309073223402	S 23699 SCWA MEADE DR.	112GLCLU	79-02-04	185	258	6.5	77	18	6.7			
		112GLCLU	79-04-19	185	234	6.7	77	18	7.1			
404955073170402	S 23715 SCWA SCHUYLER DR	112GLCLU	79-01-09	313	93	6.8	34	11	1.5			
		112GLCLU	79-05-09	313	142	6.3	41	10	3.5			
404430073211301	S 23848 SCWA WYANDANCH A	211MGTY	78-10-05	634	27	5.5	8	2.1	.3			
		211MGTY	79-05-08	634	70	7.0	25	9.1	.5			
404806073100101	S 24047 SCWA NICOLL RD.	112GLCLU	79-01-10	134	177	5.6	44	10	4.3			
		112GLCLU	79-04-18	134	127	6.5	45	10	4.4			
		112GLCLU	79-07-30	134	175	5.9	44	10	4.6			
405920072170301	S 24323 SCWA DIVISION ST	112GLCLU	78-12-27	174	62	6.1	15	3.5	1.3			
		112GLCLU	79-04-17	174	65	7.3	17	3.6	1.4			
405248073142901	S 24545 SCWA LAWRENCE RD	211MGTY	79-01-21	512	58	7.0	19	6.7	.7			
		211MGTY	79-05-11	512	29	5.9	5	2.1	.5			
DATE OF SAMPLE	SODIUM, TOTAL RECOVERABLE (MG/L AS Na)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (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)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
79-02-04	18	1.3	33	22	21	7.8	<.01	<.01	<.10	30	<10	<10
79-04-19	16	1.2	32	22	20	7.7	<.01	<.01	<.10	30	<10	<10
79-01-09	4.7	.5	29	1.4	6.0	2.2	<.01	<.01	<.10	20	<10	<10
79-05-09	10	.7	28	6.0	9.5	4.8	<.01	<.01	<.10	50	20	<10
78-10-05	2.4	.2	7	1.2	3.0	<.01	<.01	<.01	1.1	50	110	<10
79-05-08	4.7	.3	26	1.4	2.5	<.01	<.01	<.01	3.4	20	100	<10
79-01-10	15	1.5	19	11	21	5.7	<.01	<.01	<.10	100	<10	40
79-04-18	16	1.6	18	11	22	5.7	<.01	<.01	<.10	110	<10	70
79-07-30	14	1.6	20	10	19	5.5	<.01	<.01	<.10	60	100	60
78-12-27	6.5	.5	15	5.7	8.0	.01	<.01	<.01	<.10	60	<10	<10
79-04-17	6.4	.4	14	5.4	8.0	.02	<.01	<.01	<.10	20	<10	<10
79-01-21	3.7	.4	21	1.1	4.5	.30	<.01	<.01	<.10	<10	<10	<10
79-05-11	2.8	.3	6	1.3	3.5	.40	<.01	<.01	<.10	70	<10	<10
DATE OF SAMPLE	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)										
79-02-04	<10	.06										
79-04-19	<10	<.02										
79-01-09	<10	<.02										
79-05-09	<10	<.02										
78-10-05	30	<.02										
79-05-08	<20	<.02										
79-01-10	<10	<.02										
79-04-18	<10	<.02										
79-07-30	<10	<.02										
78-12-27	30	<.02										
79-04-17	20	<.02										
79-01-21	<10	<.02										
79-05-11	<10	<.02										



## QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

SUFFOLK COUNTY--Continued

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

STATION	NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	HARD- NESS (MG/L AS CAC03)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)
405626073031701	S 24663	SCWA BELLE TERRE	211MGTY	79-01-31	460	180	7.3	60	13	5.6
			211MGTY	79-04-18	460	190	7.2	73	17	7.4
404459073182401	S 25617	SCWA BROOK AVE.	211MGTY	78-10-19	440	28	4.8	3	1.3	.5
			211MGTY	79-01-28	440	27	5.3	6	1.0	.5
			211MGTY	79-05-07	440	27	5.2	4	1.0	.5
404431073211401	S 25674	SCWA WYANDANCH A	211MGTY	78-10-11	625	25	5.0	5	1.1	.2
			211MGTY	79-05-07	625	25	5.6	4	1.0	.2
405306073175201	S 25776	SCWA GUN CLUB RD	211MGTY	79-01-25	587	143	6.5	48	12	4.3
			211MGTY	79-05-17	587	140	6.7	45	12	4.2
404505073131701	S 26490	SCWA 41 ST.	112GLCLU	78-11-20	112	168	5.6	33	9.5	3.9
			112GLCLU	79-03-21	112	168	5.5	40	10	4.3
404318073153801	S 26535	SCWA NO. FIFTH AV	211MGTY	78-12-28	776	28	5.1	8	1.3	.4
			211MGTY	79-05-09	776	27	5.7	7	1.0	.4

DATE OF SAMPLE	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY (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)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHATE, TOTAL (MG/L AS PO4)	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)
79-01-31	8.5	.9	32	14	14	3.6	<.01	<.01	<.10	20	<10	<10
79-04-18	10	1.0	37	18	18	4.0	<.01	<.01	<.10	20	<10	<10
78-10-19	2.5	.3	3	4.2	3.5	<.01	<.01	<.01	<.10	40	230	20
79-01-28	2.3	.3	5	4.8	3.0	<.01	<.01	<.01	<.10	50	170	20
79-05-07	2.4	.3	3	4.0	2.0	<.01	<.01	<.01	<.10	40	130	<10
78-10-11	4.0	.2	5	1.6	2.5	<.01	<.01	<.01	2.3	70	260	<10
79-05-07	4.6	.3	5	1.5	2.5	.02	<.01	<.01	2.8	80	230	<10
79-01-25	7.7	.7	14	18	11	4.1	<.01	<.01	<.10	20	70	<10
79-05-17	7.4	.7	19	18	11	4.0	<.01	<.01	<.10	40	40	<10
78-11-20	14	1.7	16	15	14	4.8	<.01	.30	<.10	140	<10	220
79-03-21	18	2.1	15	19	19	7.8	<.01	.33	<.10	50	40	260
78-12-28	2.7	.3	7	3.3	4.0	<.01	<.01	<.01	<.10	230	180	20
79-05-09	2.8	.3	5	2.7	3.5	<.01	<.01	<.01	<.10	110	420	<10

DATE OF SAMPLE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)
79-01-31	<10	<.02
79-04-18	<10	<.02
78-10-19	<10	<.02
79-01-28	<10	<.02
79-05-07	30	<.02
78-10-11	<10	<.02
79-05-07	<10	<.02
79-01-25	<10	<.02
79-05-17	<10	<.02
78-11-20	10	.21
79-03-21	40	.22
78-12-28	20	<.02
79-05-09	30	<.02

## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## 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 (MICRO-MHOS)	PH (UNITS)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS Mg)
405134073235602	S 27070 SCWA BROADWAY	112GLCLU	79-01-23	560	64	6.6	14	4.6	1.6
		112GLCLU	79-04-25	560	67	6.8	20	4.6	1.7
405301073153202	S 27192 SCWA CARLSON AVE	211MGTY	79-05-10	474	24	5.8	--	1.5	.3
404617073035401	S 27259 SCWA CHURCH ST. 1	112GLCLU	78-10-25	164	92	6.6	27	9.0	1.9
		112GLCLU	79-02-07	164	67	6.8	21	5.7	1.2
		112GLCLU	79-05-16	164	78	6.8	21	6.6	1.5
404547073104202	S 27533 SCWA BELLMORE AV	211MGTY	78-11-20	307	44	6.0	10	2.4	1.0
		211MGTY	79-03-27	307	42	6.5	11	2.8	1.0
		211MGTY	79-08-08	307	46	6.0	15	2.5	1.0
405336073074001	S 27784 SCWA OXHEAD RD.	211MGTY	78-11-05	264	55	6.7	15	4.1	1.2
		211MGTY	79-03-07	264	82	6.5	23	6.0	2.1
		211MGTY	79-07-17	264	100	6.2	27	6.5	2.1
404452073033002	S 28408 SCWA LAKEVIEW AV	211MGTY	78-10-25	341	43	6.4	11	3.3	1.2
		211MGTY	79-05-24	341	44	6.4	14	3.4	1.2

DATE OF SAMPLE	SODIUM, TOTAL RECOVERABLE (MG/L AS Na)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (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)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
79-01-23	5.2	.5	18	.6	4.5	1.5	<.01	<.01	<.10	30	30	<10
79-04-25	5.4	.5	20	.6	6.0	1.5	<.01	<.01	<.10	50	30	<10
79-05-10	2.7	.3	5	1.1	3.5	.06	<.01	<.01	<.10	40	<10	<10
78-10-25	6.2	.6	22	8.0	7.5	1.3	<.01	<.01	<.10	160	<10	20
79-02-07	4.6	.5	18	4.0	6.5	.78	<.01	<.01	<.10	60	<10	<10
79-05-16	5.1	.5	21	4.9	6.0	.86	<.01	<.01	<.10	200	40	50
78-11-20	4.1	.3	13	1.7	5.0	.56	<.01	<.01	<.10	110	<10	<10
79-03-27	3.7	.3	12	1.7	4.5	.53	<.01	<.01	<.10	40	40	<10
79-08-08	4.3	.3	13	1.5	5.5	.53	<.01	<.01	<.10	20	<10	<10
78-11-05	4.2	.4	15	2.7	3.5	.90	<.01	<.01	<.10	50	<10	<10
79-03-07	5.8	.5	14	3.0	7.0	3.2	<.01	<.01	<.10	260	60	<10
79-07-17	6.1	.6	1	3.7	8.5	3.7	<.01	<.01	<.10	<10	120	<10
78-10-25	3.6	.5	16	2.8	4.0	<.01	<.01	<.01	<.10	<10	390	20
79-05-24	3.7	.5	16	2.9	3.5	<.01	<.01	<.01	<.10	20	430	<10

DATE OF SAMPLE	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
79-01-23	10	<.02
79-04-25	<10	<.02
79-05-10	10	<.02
78-10-25	20	<.02
79-02-07	<10	<.02
79-05-16	<10	<.02
78-11-20	10	<.02
79-03-27	<10	<.02
79-08-08	30	<.02
78-11-05	<10	<.02
79-03-07	30	<.02
79-07-17	<10	<.02
78-10-25	<10	<.02
79-05-24	<10	<.02

## QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

SUFFOLK COUNTY--Continued

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

STATION	NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	HARD- NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)		
404318073201901	S 28503	SCWA LAFAYETTE R	211MGTY	78-11-14	676	25	5.7	5	1.8	.4		
			211MGTY	79-06-26	676	45	6.0	7	2.6	.3		
404717072595602	S 28767	SCWA BARTON AVE.	211MGTY	78-12-24	139	108	5.7	26	6.3	2.2		
			211MGTY	79-03-27	139	126	5.8	26	7.6	2.5		
			211MGTY	79-08-08	139	78	5.9	16	4.9	1.5		
404912073033301	S 28819	SCWA MORRIS AVE.	112GLCLU	78-11-07	245	97	6.2	25	8.4	3.6		
405414072232701	S 28928	SCWA LONG SPRING	112GLCLU	78-12-26	110	395	6.0	165	45	11		
			112GLCLU	79-04-16	110	390	5.7	172	51	13		
405445073064801	S 29411	SCWA DAN WEBSTER	211MGTY	78-11-15	553	33	5.7	10	3.4	.8		
			211MGTY	79-03-05	553	120	6.9	43	12	3.3		
			211MGTY	79-07-17	553	64	6.2	17	4.0	1.5		
404120073221601	S 29491	SCWA N. FIFTH ST	211MGTY	78-10-31	499	36	5.7	7	1.7	1.0		
			211MGTY	79-07-10	499	41	5.5	10	1.5	1.1		
404912073033302	S 29492	SCWA MORRIS AVE.	112GLCLU	78-11-07	234	132	6.1	38	10	4.3		
DATE OF SAMPLE	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHATE, TOTAL (MG/L AS PO4)	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)
78-11-14	2.4	.2	6	3.0	1.5	<.01	<.01	<.01	.31	100	220	<10
79-06-26	7.7	.5	10	1.8	3.0	<.01	<.01	<.01	5.5	50	280	<10
78-12-24	6.3	1.5	9	11	9.5	2.9	<.01	<.01	<.10	130	40	40
79-03-27	8.8	1.5	6	16	11	3.5	<.01	<.01	<.10	50	60	70
79-08-08	6.5	.9	13	6.3	7.5	1.6	<.01	<.01	<.10	60	<10	30
78-11-07	8.0	.7	20	7.2	11	1.4	<.01	<.01	<.10	120	<10	<10
78-12-26	11	1.7	12	112	26	8.9	<.01	<.01	<.10	50	60	<10
79-04-16	11	1.7	14	117	26	8.6	<.01	<.01	<.10	10	10	<10
78-11-15	3.3	.3	10	2.2	3.0	<.01	<.01	<.01	<.10	40	50	<10
79-03-05	6.0	.7	27	13	7.5	2.3	<.01	<.01	<.10	70	60	20
79-07-17	4.6	.5	14	4.0	5.0	1.0	<.01	<.01	<.10	30	<10	<10
78-10-31	3.4	.4	7	5.4	3.0	<.01	<.01	<.01	.24	<10	230	<10
79-07-10	3.7	.4	7	2.6	3.0	.03	<.01	<.01	1.2	<10	290	30
78-11-07	8.2	.7	19	15	10	3.2	<.01	<.01	<.10	180	30	<10
				DATE OF SAMPLE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)						
				78-11-14	10	<.02						
				79-06-26	<10	<.02						
				78-12-24	20	<.02						
				79-03-27	10	<.02						
				79-08-08	30	<.02						
				78-11-07	20	<.02						
				78-12-26	50	<.02						
				79-04-16	<10	<.02						
				78-11-15	20	<.02						
				79-03-05	30	<.02						
				79-07-17	30	<.02						
				78-10-31	<10	<.02						
				79-07-10	<10	<.02						
				78-11-07	20	<.02						

## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## 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 (MICRO-MHOS)	PH (UNITS)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS Mg)
405336073074002	S 29732 SCWA OXHEAD RD.	211MGTY	78-11-06	565	33	6.0	7	3.3	.7
			79-03-07	565	46	6.5	12	3.5	1.0
			79-07-17	565	35	5.8	6	2.0	.7
405652072590001	S 30088 SCWA N. COUNTRY	112GLCLU	79-01-30	283	103	6.5	51	15	5.8
			79-04-25	283	170	6.5	62	15	6.6
404914073095601	S 30117 SCWA LIBERTY ST.	112GLCLU	79-01-10	118	87	5.8	30	7.8	2.7
			79-04-17	118	97	6.2	34	7.9	3.0
			79-07-29	118	91	6.1	28	6.8	2.7
404914073095602	S 30118 SCWA LIBERTY ST.	112GLCLU	78-12-18	192	83	6.6	26	6.6	2.5
			79-04-17	192	95	6.5	26	7.1	2.7
			79-07-30	192	86	6.4	27	6.0	2.4
410321071564501	S 30207 SCWA FLANDERS RD	112GLCLU	78-10-10	177	1	6.4	15	5.6	2.6
			79-01-23	177	119	6.7	24	5.3	2.6
			79-05-21	177	148	6.6	28	6.2	3.1

DATE OF SAMPLE	SODIUM, TOTAL RECOVERABLE (MG/L AS Na)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (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)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
78-11-06	3.3	.3	9	1.8	3.5	<.01	<.01	<.01	<.10	40	100	20
79-03-07	3.8	.3	13	1.5	5.5	.98	<.01	<.01	<.10	40	80	20
79-07-17	3.4	.3	8	1.6	3.5	.09	<.01	<.01	<.10	<10	150	20
79-01-30	5.4	.5	14	28	10	3.1	<.01	<.01	<.10	60	70	<10
79-04-25	6.4	.6	16	29	11	4.3	<.01	<.01	<.10	40	<10	<10
79-01-10	5.2	.5	20	8.2	7.0	1.1	<.01	<.01	<.10	70	20	<10
79-04-17	5.3	.5	21	9.4	7.0	1.1	<.01	<.01	<.10	80	100	<10
79-07-29	5.5	.6	23	8.0	6.0	.98	<.01	<.01	<.10	20	100	<10
78-12-18	5.2	.5	19	4.7	7.5	1.6	<.01	<.01	<.10	40	<10	<10
79-04-17	5.9	.5	20	4.9	9.5	2.4	<.01	<.01	<.10	180	50	<10
79-07-30	5.3	.5	18	4.1	6.0	1.5	<.01	<.01	<.10	50	<10	<10
78-10-10	15	1.1	17	6.9	21	.64	<.01	<.01	<.10	<10	<10	<10
79-01-23	12	1.0	19	7.0	18	.66	<.01	<.01	<.10	<10	<10	<10
79-05-21	15	1.0	18	6.6	25	.68	<.01	<.01	<.10	20	<10	<10

DATE OF SAMPLE	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
78-11-06	30	<.02
79-03-07	<10	<.02
79-07-17	20	<.02
79-01-30	30	<.02
79-04-25	<10	<.02
79-01-10	20	<.02
79-04-17	90	<.02
79-07-29	<10	<.02
78-12-18	<10	<.02
79-04-17	20	<.02
79-07-30	<10	<.02
78-10-10	<10	<.02
79-01-23	<10	<.02
79-05-21	<10	<.02

## QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

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 TOTAL (MICRO- MHQS)	PH (UNITS)	HARD- NESS (MG/L AS CAC03)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)
410327071565201	S 30208	SCWA FLANDERS RD	112GLCLU	78-10-10	178	138	6.4	27	5.6	3.1
			112GLCLU	79-01-23	178	118	6.7	25	5.0	2.8
			112GLCLU	79-05-21	178	128	6.7	26	5.5	2.9
405900072063801	S 30227	SCWA CROSS HWY	112GLCLU	78-12-27	151	110	6.6	22	5.1	2.3
			112GLCLU	79-04-16	151	101	6.5	20	3.6	2.4
405854072063801	S 30228	SCWA CROSS HWY	112GLCLU	78-12-27	152	116	6.3	20	3.9	2.3
			112GLCLU	79-04-16	152	103	6.6	21	3.9	2.3
404754073132601	S 30234	SCWA COMMERCIAL	112GLCLU	79-01-01	153	39	6.2	14	2.5	.9
			112GLCLU	79-04-18	153	118	6.4	32	7.7	3.3
			112GLCLU	79-08-03	153	0	5.4	20	4.2	1.7
404515073225501	S 30506	SCWA CIRCLE DR.	211MGTY	78-10-09	621	18	5.7	3	.9	.2
			211MGTY	79-05-08	621	19	6.0	4	.9	.2
405336073202301	S 30762	SCWA CHURCH ST.	112GLCLU	78-12-28	479	98	5.8	32	8.0	2.5

DATE OF SAMPLE	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY (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)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHATE, TOTAL (MG/L AS PO4)	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)
78-10-10	14	1.1	18	7.9	21	.54	<.01	<.01	<.10	20	<10	<10
79-01-23	13	1.1	21	8.3	18	.40	.06	<.01	<.10	<10	<10	<10
79-05-21	13	1.0	18	7.9	19	.49	<.01	<.01	<.10	10	30	<10
78-12-27	12	.7	18	7.5	17	.09	<.01	<.01	<.10	<10	40	<10
79-04-16	12	.9	14	8.8	18	.15	<.01	<.01	<.10	<10	10	<10
78-12-27	14	.7	15	7.1	21	.06	<.01	<.01	<.10	30	30	<10
79-04-16	12	.6	16	7.4	18	.06	<.01	<.01	<.10	30	<10	<10
79-01-01	3.8	.3	10	1.4	3.5	.97	<.01	<.01	<.10	80	<10	<10
79-04-18	9.6	.9	18	6.7	11	3.9	<.01	<.01	<.10	120	40	30
79-08-03	6.5	.6	16	3.6	7.0	2.2	<.01	<.01	<.10	120	20	<10
78-10-09	2.0	.2	4	1.2	4.0	<.01	<.01	<.01	<.10	170	70	<10
79-05-08	2.3	.2	6	.5	1.5	.07	<.01	<.01	<.10	40	<10	<10
78-12-28	7.1	.8	9	6.5	8.5	5.3	<.01	<.01	<.10	340	60	<10

DATE OF SAMPLE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)
78-10-10	40	<.02
79-01-23	10	<.02
79-05-21	10	<.02
78-12-27	20	<.02
79-04-16	<10	<.02
78-12-27	30	<.02
79-04-16	<10	<.02
79-01-01	<10	<.02
79-04-18	690	<.02
79-08-03	<10	<.02
78-10-09	20	<.02
79-05-08	<10	<.02
78-12-28	50	<.02

## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## 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 (MICRO-MHOS)	PH (UNITS)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS Mg)
405411072232901	S 31037 SCWA LONG SPRING	211MGTY	78-12-26	287	130	6.1	31	7.5	3.0
		211MGTY	79-04-16	287	132	6.3	31	7.6	2.7
404155073212205	S 31038 SCWA ALBIN RD.	211MGTY	79-01-04	529	24	6.0	9	1.4	.5
		211MGTY	79-06-24	529	29	5.2	4	.9	.5
405253073263401	S 31039 SCWA MAYFAIR DR.	211LLYD	79-01-29	342	57	6.3	15	4.6	1.4
		211LLYD	79-04-17	342	57	6.5	12	3.5	1.4
404703073164401	S 31104 SCWA EMJAY BLVD.	211MGTY	78-12-16	660	48	5.6	12	2.4	1.2
		211MGTY	79-04-17	660	49	5.8	11	2.6	1.2
		211MGTY	79-08-09	660	45	5.6	14	2.7	.9
404754073132602	S 31624 SCWA COMMERCIAL	211MGTY	78-12-14	439	41	6.1	9	2.5	.8
405838072114201	S 31653 SCWA OAKVIEW RD.	211MGTY	78-10-10	466	130	6.0	24	5.5	2.3
		211MGTY	79-01-30	466	131	6.5	20	12	1.4
		211MGTY	79-05-22	466	114	6.1	26	5.8	2.5

DATE OF SAMPLE	SODIUM, TOTAL RECOVERABLE (MG/L AS Na)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (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)	NITROGEN, AMMONIA (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
78-12-26	12	.6	14	4.6	28	.43	<.01	<.01	<.10	40	250	30
79-04-16	12	.6	16	4.7	28	.38	<.01	<.01	<.10	<10	220	30
79-01-04	2.4	.4	7	3.9	2.5	.02	<.01	<.01	<.10	80	270	40
79-06-24	3.3	.4	4	1.3	3.0	<.01	<.01	<.01	1.1	<10	300	<10
79-01-29	4.5	.6	15	1.0	5.5	1.6	<.01	<.01	<.10	40	<10	<10
79-04-17	4.6	.6	13	.8	4.5	1.5	<.01	<.01	<.10	20	40	10
78-12-16	3.2	.4	6	1.4	6.0	1.9	<.01	<.01	<.10	90	40	<10
79-04-17	4.1	.3	7	1.5	5.5	1.9	<.01	<.01	<.10	80	20	<10
79-08-09	3.8	.3	10	2.6	4.5	.88	<.01	<.01	<.10	50	90	<10
78-12-14	3.7	.3	11	1.3	5.5	.87	<.01	<.01	<.10	70	<10	10
78-10-10	14	.5	12	6.9	26	<.01	<.01	<.01	.28	110	470	40
79-01-30	13	.6	16	6.3	29	<.01	<.01	<.01	<.10	<10	520	40
79-05-22	12	.6	15	6.7	23	.06	<.01	<.01	<.10	50	440	30

DATE OF SAMPLE	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
78-12-26	90	<.02
79-04-16	40	<.02
79-01-04	120	<.02
79-06-24	<10	<.02
79-01-29	200	<.02
79-04-17	20	<.02
78-12-16	<10	<.02
79-04-17	<10	<.02
79-08-09	<10	<.02
78-12-14	<10	<.02
78-10-10	<10	<.02
79-01-30	160	<.02
79-05-22	100	<.02



## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## 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 (MICRO-MHOS)	PH (UNITS)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS Mg)
404616073035701	S 31913 SCWA CHURCH ST. 2	112GLCLU	78-10-25	160	96	5.9	24	6.6	2.0
			79-02-07	160	82	6.0	22	5.0	1.6
			79-05-16	160	88	6.3	19	5.3	1.6
405512073010501	S 32180 SCWA WHEAT PATH	211MGTY	78-11-05	348	70	6.4	15	4.1	1.2
			79-03-04	348	144	6.8	44	13	3.0
			79-07-08	348	75	6.4	20	4.6	1.5
405143073105802	S 32287 SCWA HURTIN BLVD	211MGTY	78-11-05	290	125	7.6	43	11	4.9
			79-07-08	290	132	7.1	47	11	5.3
405354073021201	S 32325 SCWA BICYCLE PAT	112GLCLU	78-11-14	160	65	7.2	22	6.4	2.0
405351073021201	S 32326 SCWA BICYCLE PAT	112GLCLU	78-11-14	354	61	6.0	17	3.0	1.6
			79-07-11	354	70	6.0	13	3.1	1.7
404046073252101	S 32501 SCWA GREENE AVE.	211MGTY	78-11-01	631	69	6.0	21	6.7	.8
			79-06-20	631	35	5.7	9	2.7	.3

DATE OF SAMPLE	SODIUM, TOTAL RECOVERABLE (MG/L AS Na)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (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)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
78-10-25	8.1	1.1	14	9.9	11	2.1	<.01	.17	<.10	200	50	480
79-02-07	5.9	.9	11	7.9	8.0	1.8	<.01	<.01	<.10	60	<10	360
79-05-16	6.5	.8	11	7.1	9.5	2.1	<.01	<.01	<.10	100	<10	380
78-11-05	5.4	.4	13	3.4	6.5	1.0	<.01	<.01	<.10	60	<10	<10
79-03-04	7.8	.7	29	11	11	2.8	<.01	<.01	<.10	90	50	20
79-07-08	6.0	.5	13	4.1	7.0	1.3	<.01	<.01	<.10	30	<10	<10
78-11-05	6.2	.9	41	7.2	8.0	1.2	<.01	<.01	.22	70	<10	<10
79-07-08	6.0	.9	40	6.0	8.0	1.1	<.01	<.01	<.10	20	<10	<10
78-11-14	3.9	.5	23	2.5	3.5	.10	<.01	<.01	.17	30	60	<10
78-11-14	5.2	.7	9	7.7	6.5	.60	<.01	<.01	<.10	50	30	<10
79-07-11	5.9	.7	9	8.2	7.5	.54	<.01	<.01	<.10	50	<10	<10
78-11-01	4.4	.5	16	4.9	7.5	<.01	<.01	<.01	.38	<10	310	30
79-06-20	3.6	.3	9	1.3	2.5	<.01	<.01	<.01	1.5	30	230	<10

DATE OF SAMPLE	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
78-10-25	30	<.02
79-02-07	<10	<.02
79-05-16	20	<.02
78-11-05	<10	<.02
79-03-04	10	<.02
79-07-08	<10	<.02
78-11-05	10	<.02
79-07-08	<10	<.02
78-11-14	20	<.02
78-11-14	10	<.02
79-07-11	<10	<.02
78-11-01	20	<.02
79-06-20	10	<.02



## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## 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 (MICRO-MHOS)	PH (UNITS)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS Mg)
405030073032101	S 32551 SCWA COLLEGE RD.	112GLCLU	78-11-30	245	208	6.3	51	13	5.4
		112GLCLU	79-02-25	245	220	6.3	51	13	5.3
405030073032102	S 32552 SCWA COLLEGE RD.	112GLCLU	78-11-30	243	186	6.4	50	13	5.0
		112GLCLU	79-02-21	243	175	6.5	51	12	4.9
404317073201801	S 33005 SCWA LAFAYETTE R	211MGTY	78-11-09	674	55	6.8	23	7.8	.5
		211MGTY	79-06-24	674	22	5.3	4	.9	.3
405132073155901	S 33006 SCWA KINGS PARK	211MGTY	79-05-29	504	66	6.9	19	6.1	1.3
404808073100101	S 33308 SCWA NICOLL RD.	211MGTY	78-12-18	132	190	6.0	45	9.0	4.1
		211MGTY	79-04-18	132	153	6.2	45	7.9	3.6
		211MGTY	79-07-29	132	149	5.9	36	7.8	3.4
405336073073601	S 33500 SCWA OXHEAD RD.	211MGTY	78-11-07	551	43	5.9	11	3.9	.8
		211MGTY	79-07-17	551	34	6.0	9	1.8	.7
405415073204801	S 33820 SCWA DOUGLAS AVE	211MGTY	79-05-16	408	221	7.1	88	23	8.8

DATE OF SAMPLE	SODIUM, TOTAL RECOVERABLE (MG/L AS Na)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (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)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
78-11-30	16	1.3	24	12	33	2.6	<.01	<.01	<.10	40	30	<10
79-02-25	17	1.3	23	12	37	2.3	<.01	<.01	<.10	40	40	<10
78-11-30	13	.9	26	11	24	3.5	<.01	<.01	<.10	30	20	10
79-02-21	14	.9	26	11	27	3.3	<.01	<.01	<.10	30	20	<10
78-11-09	2.1	.2	23	2.4	2.5	<.01	<.01	<.01	<.10	40	460	10
79-06-24	2.3	.2	5	2.0	2.5	<.01	<.01	<.01	<.10	30	140	20
79-05-29	4.2	.4	18	2.6	4.5	.86	<.01	<.01	<.10	20	80	10
78-12-18	14	1.4	21	10	20	5.4	<.01	<.01	<.10	170	<10	60
79-04-18	14	1.4	20	9.5	20	4.1	<.01	<.01	<.10	170	<10	60
79-07-29	12	1.3	19	7.7	19	3.5	<.01	<.01	<.10	20	100	70
78-11-07	3.4	.3	13	1.8	4.0	.13	<.01	<.01	<.10	50	60	20
79-07-17	3.4	.3	9	1.5	2.0	.12	<.01	<.01	<.10	<10	200	20
79-05-16	11	1.5	60	16	15	4.4	<.01	<.01	.21	90	<10	<10

DATE OF SAMPLE	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
78-11-30	<10	<.02
79-02-25	<10	<.02
78-11-30	30	<.02
79-02-21	<10	<.02
78-11-09	10	<.02
79-06-24	20	<.02
79-05-29	<10	<.02
78-12-18	30	.06
79-04-18	<10	<.02
79-07-29	20	<.02
78-11-07	<10	<.02
79-07-17	20	<.02
79-05-16	<10	<.02

## QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

SUFFOLK COUNTY--Continued

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

STATION	NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	HARD- NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)
404738072565401	S 33826	SCWA STATION RD.	112GLCLU	78-12-25	163	58	6.4	13	3.2	1.0
405257073202902	S 33970	SCWA LAUREL HILL	112GLCLU	78-10-19	609	34	5.9	7	1.9	.5
			112GLCLU	79-01-29	609	78	6.8	25	8.4	1.0
			112GLCLU	79-06-05	609	38	6.0	12	2.0	.6
405512073010502	S 34007	SCWA WHEAT PATH	211MGTY	78-11-01	345	48	6.2	12	3.2	.9
			211MGTY	79-03-04	345	81	6.8	18	5.8	1.6
			211MGTY	79-07-08	345	52	6.5	13	3.5	1.0
404536073210801	S 34030	SCWA ADAMS AVE.	211MGTY	78-10-12	538	26	5.0	4	.7	.2
			211MGTY	79-01-24	538	24	5.2	4	.8	.2
404534073210801	S 34031	SCWA ADAMS AVE.	211MGTY	78-10-05	515	23	5.1	2	1.1	.2
			211MGTY	79-01-28	515	22	5.0	2	.7	.2
405615073051501	S 34300	SCWA SHERRY DR.	211MGTY	78-10-03	451	53	6.3	13	3.7	1.1
			211MGTY	79-01-23	451	51	6.6	14	3.6	1.1
			211MGTY	79-05-08	451	53	6.5	15	4.0	1.1

DATE OF SAMPLE	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHATE, TOTAL (MG/L AS PO4)	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)
78-12-25	4.6	.5	13	6.2	5.0	.23	<.01	<.01	.17	200	80	20
78-10-19	3.8	.4	6	.3	4.5	1.4	<.01	<.01	<.10	80	<10	<10
79-01-29	4.4	.5	22	1.8	6.0	1.9	<.01	<.01	<.10	50	100	<10
79-06-05	3.7	.4	10	.6	5.0	1.1	<.01	<.01	<.10	120	30	<10
78-11-01	4.0	.3	12	1.9	5.0	.37	<.01	<.01	<.10	30	<10	<10
79-03-04	5.2	.4	17	6.2	7.5	1.1	<.01	<.01	<.10	60	<10	<10
79-07-08	4.3	.4	14	2.2	4.5	.45	<.01	<.01	<.10	30	60	<10
78-10-12	3.2	.3	4	1.2	3.5	.36	<.01	<.01	<.10	240	460	30
79-01-24	3.0	.3	4	1.7	4.0	.36	<.01	<.01	<.10	70	20	<10
78-10-05	3.1	.2	4	1.8	4.5	.10	<.01	<.01	<.10	30	390	<10
79-01-28	3.0	.3	4	2.0	4.0	.10	<.01	<.01	<.10	50	170	<10
78-10-03	4.6	.4	17	1.6	5.0	.37	<.01	<.01	<.10	30	<10	<10
79-01-23	4.5	.4	15	2.0	4.0	.36	<.01	<.01	<.10	40	<10	<10
79-05-08	4.2	.4	16	1.4	5.0	.24	<.01	<.01	<.10	30	<10	<10

DATE OF SAMPLE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)
78-12-25	20	<.02
78-10-19	10	<.02
79-01-29	<10	<.02
79-06-05	<10	<.02
78-11-01	<10	<.02
79-03-04	10	<.02
79-07-08	<10	<.02
78-10-12	350	<.02
79-01-24	<10	<.02
78-10-05	110	<.02
79-01-28	<10	<.02
78-10-03	<10	<.02
79-01-23	<10	<.02
79-05-08	<10	<.02

## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## 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 (MICRO- MHOS)	PH (UNITS)	HARD- NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)
405613073051501	S 34301	SCWA SHERRY DR.	211MGTY	78-10-04	536	37	6.1	8	2.6	.7
			211MGTY	79-01-30	536	30	6.1	8	1.8	.7
			211MGTY	79-05-09	536	30	6.2	6	1.7	.6
405246073142801	S 34460	SCWA LAWRENCE RD	211MGTY	79-01-23	602	30	6.4	3	1.9	.5
			211MGTY	79-05-15	602	28	5.8	7	1.8	.6
404631073071001	S 34522	SCWA LOCUST AVE.	112GLCLU	78-10-24	149	81	7.0	27	9.2	1.5
404203073242202	S 34595	SCWA ALBANY AVE.	211MGTY	78-10-28	482	31	4.6	4	1.3	.5
405143073105801	S 34733	SCWA HURTIN BLVD	211MGTY	78-11-06	421	59	6.2	15	3.9	1.7
			211MGTY	79-07-08	421	45	6.6	10	2.8	1.1
404512073112201	S 35033	SCWA FISHER AVE.	211MGTY	78-11-26	317	43	6.2	7	2.1	.8
			211MGTY	79-08-14	317	73	6.0	20	4.6	1.7
405336073073602	S 35446	SCWA OXHEAD RD.	211MGTY	78-11-01	345	47	6.2	12	3.1	1.1
			211MGTY	79-03-07	345	79	6.5	23	6.2	1.9
			211MGTY	79-07-17	345	52	6.2	15	3.2	1.1

DATE OF SAMPLE	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHATE, TOTAL (MG/L AS PO4)	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)
78-10-04	3.4	.3	12	1.2	4.5	.03	<.01	<.01	<.10	60	<10	<10
79-01-30	2.9	.3	9	1.4	3.0	.14	<.01	<.01	<.10	70	30	<10
79-05-09	2.9	.3	8	.9	3.0	<.01	<.01	<.01	<.10	40	50	<10
79-01-23	2.9	.3	7	1.0	3.5	.23	<.01	<.01	<.10	80	30	<10
79-05-15	2.9	.3	7	1.3	5.0	.18	<.01	<.01	<.10	20	<10	<10
78-10-24	5.4	.4	26	2.5	6.5	1.0	<.01	<.01	.20	30	60	<10
78-10-28	2.8	.3	2	4.4	4.0	<.01	<.01	<.01	<.10	20	230	<10
78-11-06	4.1	.5	18	5.1	5.0	.39	<.01	<.01	.29	70	100	<10
79-07-08	3.4	.4	14	2.5	4.0	.07	<.01	<.01	<.10	20	90	<10
78-11-26	3.9	.4	11	1.3	4.0	.24	<.01	<.01	<.10	110	430	<10
79-08-14	7.3	.6	17	1.7	9.0	1.1	<.01	<.01	<.10	50	100	<10
78-11-01	4.0	.3	12	1.6	4.5	.98	<.01	<.01	<.10	20	<10	<10
79-03-07	5.3	.5	14	2.8	8.0	2.9	<.01	<.01	<.10	40	80	<10
79-07-17	4.2	.4	12	1.5	5.0	1.0	<.01	<.01	<.10	<10	<10	<10

DATE OF SAMPLE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)
78-10-04	<10	<.02
79-01-30	10	<.02
79-05-09	<10	<.02
79-01-23	30	<.02
79-05-15	10	<.02
78-10-24	<10	<.02
78-10-28	20	<.02
78-11-06	<10	<.02
79-07-08	<10	<.02
78-11-26	<10	<.02
79-08-14	50	<.02
78-11-01	20	<.02
79-03-07	<10	<.02
79-07-17	<10	<.02

## QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## 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 (MICRO-MHOS)	PH (UNITS)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS Mg)
405155073045201	S 35494 SCWA EASTWOOD BL	112GLCLU	78-11-29	429	62	7.2	19	5.0	1.7
		112GLCLU	79-03-20	429	58	6.7	20	6.4	1.8
		112GLCLU	79-07-18	429	64	7.2	29	5.1	1.7
405140073190801	S 35939 SCWA LARKFIELD R	211MGTY	78-10-19	533	60	6.0	14	4.8	1.3
		211MGTY	78-12-27	533	71	5.8	21	4.7	1.5
		211MGTY	79-05-15	533	68	6.4	19	5.0	1.2
405445073063801	S 36166 SCWA DAN WEBSTER	211MGTY	78-11-05	433	35	6.3	7	3.0	.8
		211MGTY	79-03-05	433	126	6.7	44	12	3.6
		211MGTY	79-07-17	433	35	6.2	11	2.1	.8
405434073194201	S 36185 SCWA WATERSIDE R	112GLCLU	79-01-22	111	182	7.0	66	18	5.4
		112GLCLU	79-05-17	111	220	6.8	74	20	7.0
405409073061401	S 36459 SCWA STEM LA. 2	211MGTY	78-11-05	522	47	6.7	10	3.1	1.0
		211MGTY	79-03-04	522	60	6.7	24	4.4	1.4
		211MGTY	79-07-11	522	53	6.4	13	3.0	1.2

DATE OF SAMPLE	SODIUM, TOTAL RECOVERABLE (MG/L AS Na)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (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)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
78-11-29	4.1	.4	25	2.7	2.5	.12	<.01	<.01	<.10	30	<10	<10
79-03-20	4.0	.4	24	3.2	3.5	.07	<.01	<.01	<.10	20	30	<10
79-07-18	4.2	.4	23	2.3	3.0	.11	<.01	<.01	<.10	<10	<10	<10
78-10-19	5.4	.7	8	1.1	7.0	2.9	<.01	<.01	<.10	50	40	<10
78-12-27	5.3	.7	9	2.0	7.0	3.4	<.01	<.01	<.10	130	40	<10
79-05-15	4.6	.6	13	1.3	6.0	2.6	<.01	<.01	<.10	100	50	<10
78-11-05	3.4	.3	12	1.3	3.5	.17	<.01	<.01	<.10	50	50	<10
79-03-05	6.8	.7	25	12	8.5	2.8	<.01	<.01	<.10	30	20	<10
79-07-17	3.6	.3	10	1.2	4.0	.17	<.01	<.01	<.10	<10	100	<10
79-01-22	10	1.1	39	13	13	4.1	<.01	<.01	<.10	30	110	<10
79-05-17	10	1.3	49	15	16	4.3	<.01	<.01	<.10	90	90	<10
78-11-05	3.8	.4	14	1.8	4.0	.30	<.01	<.01	<.10	40	60	10
79-03-04	4.6	.5	18	1.4	5.0	.73	<.01	<.01	<.10	40	<10	<10
79-07-11	4.7	.4	14	1.1	4.5	.68	<.01	<.01	<.10	<10	<10	<10

DATE OF SAMPLE	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
78-11-29	<10	<.02
79-03-20	40	<.02
79-07-18	30	<.02
78-10-19	10	<.02
78-12-27	50	<.02
79-05-15	<10	<.02
78-11-05	50	<.02
79-03-05	<10	<.02
79-07-17	150	<.02
79-01-22	<10	<.02
79-05-17	<10	<.02
78-11-05	<10	<.02
79-03-04	20	<.02
79-07-11	<10	<.02

## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## 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 (MICRO-MHOS)	PH (UNITS)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS Mg)
404627073070901	S 36460 SCWA LOCUST AVE.	211MGTY	78-11-08	611	34	6.0	8	2.0	.8
		211MGTY	79-03-11	611	33	6.0	7	2.0	.8
		211MGTY	79-06-24	611	35	5.9	10	1.8	.8
405335072562901	S 36711 SCWA BAILEY RD.	112GLCLU	79-01-24	143	104	7.2	32	9.0	2.9
		112GLCLU	79-04-18	143	104	7.1	37	9.5	3.1
404458073182502	S 36714 SCWA BROOK AVE.	211MGTY	78-10-05	308	37	5.9	8	2.3	.8
		211MGTY	79-01-29	308	38	6.3	10	2.7	.8
		211MGTY	79-05-09	308	36	5.9	9	2.3	.8
404219073190401	S 36748 SCWA SMITH ST.	211MGTY	78-10-31	308	30	5.3	5	1.1	.5
		211MGTY	79-06-25	308	29	5.4	4	.8	.5
405014073161401	S 36791 SCWA BLUE SPRUCE	211MGTY	79-05-08	674	58	6.7	15	4.2	1.5
405321073232401	S 36869 SCWA FLOWER HILL	211MGTY	79-01-30	353	76	6.6	24	5.8	2.0
404923073162801	S 36976 SCWA WICKS RD.	211MGTY	79-05-10	418	37	5.8	9	2.1	.6

DATE OF SAMPLE	SODIUM, TOTAL RECOVERABLE (MG/L AS Na)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (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)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
78-11-08	2.9	.3	9	5.3	3.5	.05	<.01	<.01	<.10	70	190	<10
79-03-11	2.6	.3	6	5.7	3.0	<.01	<.01	<.01	<.10	<10	140	<10
79-06-24	2.9	.3	6	5.5	3.0	.03	<.01	<.01	<.10	<10	100	<10
79-01-24	3.6	.6	29	8.7	5.5	.39	<.01	<.01	<.10	20	30	<10
79-04-18	5.8	.6	31	10	6.5	.64	<.01	<.01	<.10	30	40	<10
78-10-05	3.2	.3	13	1.5	3.0	<.01	<.01	<.01	<.10	<10	<10	<10
79-01-29	3.4	.4	15	1.3	3.0	<.01	<.01	<.01	<.10	<10	90	<10
79-05-09	3.5	.4	14	1.1	3.0	.02	<.01	<.01	<.10	20	30	<10
78-10-31	3.0	.4	5	2.5	3.5	<.01	<.01	<.01	<.10	<10	260	<10
79-06-25	3.2	.4	5	2.5	3.5	<.01	<.01	<.01	<.10	<10	260	<10
79-05-08	3.8	.5	15	1.0	5.0	.74	<.01	<.01	<.10	<10	20	<10
79-01-30	5.4	.5	16	2.6	6.0	2.3	<.01	<.01	<.10	50	<10	<10
79-05-10	3.3	.4	6	.4	5.0	1.1	<.01	<.01	<.10	100	<10	<10

DATE OF SAMPLE	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
78-11-08	10	<.02
79-03-11	<10	<.02
79-06-24	<10	<.02
79-01-24	<10	<.02
79-04-18	<10	<.02
78-10-05	<10	<.02
79-01-29	<10	<.02
79-05-09	<10	<.02
78-10-31	<10	<.02
79-06-25	<10	<.02
79-05-08	<10	<.02
79-01-30	20	<.02
79-05-10	<10	<.02

## QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## 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 (MICRO-MHOS)	PH (UNITS)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS Mg)
404510073112301	S 37140 SCWA FISHER AVE.	211MGTY	78-11-26	312	86	6.6	42	10	2.1
		211MGTY	79-08-21	312	39	5.8	7	2.3	.8
404753073132401	S 37141 SCWA COMMERCIAL	211MGTY	78-12-20	429	39	6.2	7	1.9	.6
		211MGTY	79-04-12	429	35	6.3	9	2.4	.7
		211MGTY	79-07-30	429	32	6.0	8	1.9	.6
405200073085801	S 37174 SCWA ASTOR AVE.	211MGTY	78-11-01	309	115	7.3	36	10	4.0
		211MGTY	79-07-23	309	115	7.3	41	10	4.1
405409073061402	S 37301 SCWA STEM LA. 1	211MGTY	78-11-01	315	73	6.3	20	5.8	1.8
		211MGTY	79-07-11	315	42	6.5	11	2.7	.9
405141073191001	S 37351 SCWA LARKFIELD R	211MGTY	78-10-25	608	41	5.8	10	2.6	.8
		211MGTY	78-12-27	608	50	5.4	10	4.0	1.0
		211MGTY	79-05-15	608	47	5.9	11	3.3	1.0
404717072595603	S 37494 SCWA BARTON AVE.	211MGTY	78-12-24	313	77	6.1	18	5.0	1.4
		211MGTY	79-04-02	313	57	6.3	17	4.9	1.1
		211MGTY	79-07-23	313	128	5.6	29	7.1	2.5

DATE OF SAMPLE	SODIUM, TOTAL RECOVERABLE (MG/L AS Na)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (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)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
78-11-26	4.7	.5	31	3.6	6.0	.43	<.01	.02	.14	40	300	<10
79-08-21	3.9	.4	15	1.1	4.5	.42	<.01	<.01	<.10	110	130	<10
78-12-20	3.1	.3	10	1.4	4.5	<.01	<.01	<.01	<.10	40	<10	<10
79-04-12	3.7	.3	10	.7	4.0	.75	<.01	<.01	<.10	40	30	<10
79-07-30	3.4	.3	12	.6	2.5	<.01	<.01	<.01	<.10	<10	<10	<10
78-11-01	5.1	1.2	43	8.1	2.5	<.01	<.01	<.01	.21	30	<10	40
79-07-23	3.3	1.1	44	5.9	3.5	<.01	<.01	<.01	.20	<10	<10	70
78-11-01	4.6	.5	17	5.3	5.5	1.0	<.01	<.01	<.10	30	40	<10
79-07-11	3.6	.4	13	1.8	3.0	.16	<.01	<.01	<.10	<10	90	20
78-10-25	4.3	.5	9	.7	5.5	1.7	<.01	<.01	.12	40	30	<10
78-12-27	4.3	.6	7	.4	5.0	2.7	<.01	<.01	<.10	60	130	<10
79-05-15	4.5	.6	7	.5	6.0	2.8	<.01	<.01	<.10	50	40	<10
78-12-24	4.9	.9	13	6.2	7.5	1.4	<.01	<.01	<.10	40	50	30
79-04-02	3.3	.6	17	3.6	4.0	.40	<.01	<.01	<.10	<10	50	<10
79-07-23	9.5	1.5	10	12	11	3.5	<.01	<.01	<.10	20	<10	70

DATE OF SAMPLE	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
78-11-26	<10	<.02
79-08-21	20	<.02
78-12-20	<10	<.02
79-04-12	30	<.02
79-07-30	<10	<.02
78-11-01	<10	<.02
79-07-23	<10	<.02
78-11-01	<10	<.02
79-07-11	<10	<.02
78-10-25	10	<.02
78-12-27	1400	<.02
79-05-15	<10	<.02
78-12-24	20	<.02
79-04-02	20	<.02
79-07-23	<10	<.02



## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## SUFFOLK COUNTY--Continued

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

STATION	NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	HARD- NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)		
404236073225001	S 37681	SCWA TENETY ST.	211MGTY	78-10-28	574	32	4.5	3	.9	.3		
404932073060301	S 37847	SCWA SAMUEL ST 3	112GLCLU	78-11-27	349	80	6.5	23	5.1	2.0		
			112GLCLU	79-02-21	349	81	6.2	20	5.2	2.0		
			112GLCLU	79-06-26	349	76	6.5	20	4.6	1.7		
404406073193401	S 37861	SCWA AUGUST RD.	211MGTY	78-10-20	636	29	4.9	4	1.6	.5		
			211MGTY	79-01-27	636	31	5.5	8	1.3	.4		
			211MGTY	79-05-09	636	30	5.0	5	1.4	.5		
404427073073201	S 37963	SCWA MONTAUK HWY	211MGTY	78-10-24	292	55	6.4	13	2.3	2.2		
			211MGTY	79-05-23	292	60	6.6	15	2.2	2.2		
404528073150402	S 38192	SCWA EAST FORKS	211MGTY	78-11-10	306	69	6.0	17	4.7	1.7		
			211MGTY	79-03-11	306	69	6.3	18	5.0	1.8		
			211MGTY	79-06-27	306	77	6.1	23	5.4	1.8		
405652072590002	S 38194	SCWA NORTH COUNT	112GLCLU	78-10-03	732	122	6.7	37	10	3.7		
			112GLCLU	79-01-23	732	59	6.7	20	4.5	1.7		
			112GLCLU	79-04-23	732	59	6.6	19	4.3	1.7		
DATE OF SAMPLE	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHATE, TOTAL (MG/L AS PO4)	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)
78-10-28	3.0	.3	2	4.2	5.0	<.01	<.01	<.01	<.10	<10	430	30
78-11-27	6.2	.6	18	3.8	7.5	1.2	<.01	<.01	<.10	5000	<10	<10
79-02-21	6.2	.5	20	4.1	8.0	1.2	<.01	<.01	<.10	40	40	<10
79-06-26	6.2	.5	16	4.1	7.0	.69	<.01	<.01	<.10	<10	<10	<10
78-10-20	3.1	.4	5	3.3	3.0	<.01	<.01	<.01	.67	20	720	20
79-01-27	3.5	.4	8	2.7	3.0	.01	<.01	<.01	1.2	30	350	20
79-05-09	3.1	.4	5	3.7	4.0	<.01	<.01	<.01	.49	<10	320	<10
78-10-24	4.8	1.3	21	3.0	3.0	<.01	<.01	<.01	.32	20	920	30
79-05-23	6.5	1.3	21	2.6	4.5	<.01	<.01	<.01	2.3	<10	860	20
78-11-10	5.0	.4	13	9.3	6.0	.67	<.01	<.01	<.10	50	100	<10
79-03-11	4.9	.4	15	9.8	5.0	.71	<.01	<.01	<.10	<10	160	<10
79-06-27	5.1	.4	13	10	6.0	.76	<.01	<.01	<.10	<10	120	<10
78-10-03	5.8	.6	18	16	9.0	2.4	<.01	<.01	<.10	40	40	<10
79-01-23	4.6	.5	22	1.6	4.5	.07	<.01	<.01	<.10	<10	<10	<10
79-04-23	4.5	.5	23	1.3	4.5	.07	<.01	<.01	<.10	20	<10	<10
DATE OF SAMPLE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)										
78-10-28	<10	<.02										
78-11-27	<10	<.02										
79-02-21	<10	<.02										
79-06-26	<10	<.02										
78-10-20	<10	<.02										
79-01-27	30	<.02										
79-05-09	<10	<.02										
78-10-24	<10	<.02										
79-05-23	<10	<.02										
78-11-10	<10	<.02										
79-03-11	<10	<.02										
79-06-27	20	<.02										
78-10-03	<10	<.02										
79-01-23	40	<.02										
79-04-23	<10	<.02										



## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## 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 (MICRO- MHOS)	PH (UNITS)	HARD- NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)
404756073025502	S 38320	SCWA BLUE PT RD	112GLCLU	78-12-10	172	88	5.9	20	5.1	1.7
			112GLCLU	79-04-09	172	48	6.4	12	3.0	1.1
			112GLCLU	79-07-30	172	99	5.6	21	5.1	1.5
404756073025503	S 38321	SCWA BLUE PT RD	211MGTY	78-12-11	304	47	6.1	14	3.2	1.3
			211MGTY	79-04-09	304	49	6.7	17	3.2	1.3
			211MGTY	79-07-30	304	84	5.7	20	4.3	1.6
404921073122703	S 38491	SCWA WHEELER RD	211MGTY	79-03-21	383	37	6.1	10	3.8	.9
			211MGTY	79-08-08	383	42	6.2	15	2.7	.9
404805073051501	S 38701	SCWA LINCOLN AVE	112GLCLU	78-10-25	202	42	6.3	10	3.0	1.0
405256073045602	S 38784	SCWA HAWKINS RD.	211MGTY	78-11-21	604	28	6.1	7	2.0	.5
405135073235501	S 38785	SCWA BROADWAY	112GLCLU	79-01-24	665	54	7.0	18	3.7	1.3
			112GLCLU	79-04-23	665	53	6.6	15	3.5	1.4
405919072170201	S 38917	SCWA DIVISION ST	112GLCLU	78-12-27	174	59	6.1	14	3.1	1.2
			112GLCLU	79-04-17	174	61	6.4	16	3.2	1.2

DATE OF SAMPLE	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHATE, TOTAL (MG/L AS PO4)	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)
78-12-10	7.2	1.1	7	8.6	9.0	2.3	<.01	<.01	<.10	20	20	50
79-04-09	3.3	.4	11	5.9	4.5	.05	<.01	<.01	<.10	20	80	<10
79-07-30	7.7	1.2	11	8.5	9.5	2.5	<.01	<.01	<.10	20	60	80
78-12-11	3.5	.4	14	5.2	4.0	.02	<.01	<.01	<.10	10	140	<10
79-04-09	3.1	.3	15	5.5	4.0	<.01	<.01	<.01	<.10	20	90	<10
79-07-30	6.5	.9	9	7.4	8.5	1.7	<.01	<.01	<.10	<10	20	50
79-03-21	3.5	.4	15	1.5	3.5	<.01	<.01	<.01	<.10	<10	<10	<10
79-08-08	3.8	.4	16	1.4	4.0	.03	<.01	<.01	<.10	30	40	<10
78-10-25	4.4	.3	10	1.8	5.0	1.0	<.01	<.01	<.10	20	40	20
78-11-21	3.0	.3	8	1.3	3.0	.26	<.01	<.01	<.10	50	40	<10
79-01-24	4.7	.4	20	.6	4.5	.92	<.01	<.01	<.10	30	<10	<10
79-04-23	4.7	.4	18	.7	4.0	.94	<.01	<.01	<.10	40	<10	<10
78-12-27	6.4	.4	12	5.7	7.0	.02	<.01	<.01	<.10	20	30	<10
79-04-17	6.3	.4	16	5.2	7.5	<.01	<.01	<.01	<.10	60	<10	<10

DATE OF SAMPLE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)
78-12-10	<10	<.02
79-04-09	20	<.02
79-07-30	<10	<.02
78-12-11	<10	<.02
79-04-09	10	<.02
79-07-30	<10	<.02
79-03-21	50	<.02
79-08-08	<10	<.02
78-10-25	<10	<.02
78-11-21	<10	<.02
79-01-24	20	<.02
79-04-23	<10	<.02
78-12-27	30	<.02
79-04-17	20	<.02

## SUFFOLK COUNTY--Continued

STATION	NUMBER	LOCAL IDENTIFIER	GEO-LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE-CIFIC CON-DUCTANCE (MICRO-MHOS)	PH (UNITS)	HARD-NESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS Mg)
404358073181801	S 39024	SCWA HARVEST LA.	211MGTY	78-11-14	623	21	4.9	4	.9	.3
			211MGTY	79-03-25	623	0	5.4	3	.8	.3
			211MGTY	79-06-26	623	23	5.2	2	1.6	.3
405054073050901	S 39347	SCWA PLEASANT AV	112GLCLU	78-11-21	175	131	5.9	34	9.1	3.6
			112GLCLU	79-03-27	175	140	6.5	34	9.0	3.8
			112GLCLU	79-06-25	175	150	6.0	39	9.1	3.9
404503073132001	S 39406	SCWA 41 ST.	112GLCLU	78-11-27	106	158	5.4	29	7.1	2.9
			112GLCLU	79-03-21	106	180	5.3	43	10	3.2
			112GLCLU	79-08-08	106	197	5.3	42	10	3.5
404614073123001	S 39531	SCWA BANANA ST.	211MGTY	78-11-20	288	105	6.1	26	6.7	2.3
			211MGTY	79-03-21	288	104	5.9	27	7.8	2.3
			211MGTY	79-08-08	288	118	6.0	31	7.2	2.4
405345073203802	S 39536	SCWA RESERVOIR A	112GLCLU	79-01-14	823	135	7.0	46	12	3.5
			112GLCLU	79-05-31	823	95	5.8	28	7.2	1.9
405335072562902	S 40161	SCWA BAILEY RD.	112GLCLU	79-04-18	137	104	7.1	38	9.4	3.1

DATE OF SAMPLE	SODIUM, TOTAL RECOVERABLE (MG/L AS NA)	POTAS-SIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKA-LINITY (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	NITRO-GEN, NITRATE TOTAL (MG/L AS N)	NITRO-GEN, NITRITE TOTAL (MG/L AS N)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N)	PHOS-PHATE, TOTAL (MG/L AS PO4)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGA-NESE, TOTAL RECOVERABLE (UG/L AS MN)
78-11-14	2.3	.2	4	1.8	2.5	<.01	<.01	<.01	<.10	10	160	<10
79-03-25	2.1	.2	4	2.8	2.0	<.01	<.01	<.01	<.10	<10	250	<10
79-06-26	2.9	.3	4	1.6	3.5	<.01	<.01	<.01	.77	<10	400	<10
78-11-21	9.0	1.5	12	12	11	5.2	<.01	<.01	<.10	60	<10	30
79-03-27	9.4	1.5	12	12	12	5.0	<.01	<.01	<.10	60	<10	20
79-06-25	10	1.5	13	12	12	5.7	.03	<.01	<.10	<10	<10	<10
78-11-27	14	1.9	10	14	16	5.4	<.01	.24	<.10	90	50	260
79-03-21	20	2.2	13	18	25	6.4	<.01	.40	<.10	40	<10	390
79-08-08	18	2.2	16	16	20	6.2	<.01	.35	<.10	40	30	350
78-11-20	8.1	.5	18	2.9	10	3.7	<.01	<.01	<.10	110	<10	<10
79-03-21	8.4	.5	17	3.5	11	3.6	<.01	<.01	<.10	70	20	<10
79-08-08	9.5	.5	18	3.4	11	4.0	<.01	<.01	<.10	120	40	<10
79-01-14	7.1	.8	20	15	9.5	4.2	<.01	<.01	<.10	30	80	20
79-05-31	6.1	.7	12	6.4	7.0	3.6	<.01	<.01	<.10	50	40	20
79-04-18	5.9	.6	31	9.2	6.0	.51	<.01	<.01	<.10	<10	<10	<10

DATE OF SAMPLE	ZINC, TOTAL RECOVER- ABLE (UG/L AS ZN)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)
78-11-14	30	< .02
79-03-25	20	< .02
79-06-26	50	< .02
78-11-21	20	< .02
79-03-27	20	< .02
79-06-25	<10	< .02
78-11-27	30	.19
79-03-21	40	.23
79-08-08	140	.28
78-11-20	<110	< .02
79-03-21	280	< .02
79-08-08	30	< .02
79-01-14	10	< .02
79-05-31	<10	< .02
79-04-18	<10	< .02

## QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

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 (MICRO-MHOS)	PH (UNITS)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS Mg)
404321073222601	S 40330 SCWA TWELFTH ST.	211MGTY	78-11-02	328	54	5.4	9	2.4	.8
405221073021201	S 40331 SCWA DARE RD.	112GLCLU	78-11-29	457	98	6.2	25	7.0	2.6
		112GLCLU	79-02-25	457	98	6.3	24	6.0	2.2
404606073174602	S 40497 SCWA INDUSTRY CT	211MGTY	78-10-10	283	30	5.8	7	2.1	.5
		211MGTY	79-05-07	283	28	5.9	6	1.6	.5
404230073204101	S 40498 SCWA SAWYER AVE.	211MGTY	78-11-15	746	27	4.4	3	.8	.3
		211MGTY	79-06-26	746	25	5.3	3	.7	.3
405222073211901	S 40709 SCWA DARE RD.	112GLCLU	78-11-29	484	62	6.5	18	5.3	1.6
		112GLCLU	79-02-21	484	63	6.6	19	4.8	1.6
		112GLCLU	79-08-22	484	66	6.3	20	4.4	1.5
405207073131401	S 40710 SCWA ST. JOHN LA	112GLCLU	79-01-11	463	28	5.9	6	1.7	.5
		112GLCLU	79-05-08	463	31	6.2	6	1.9	.5
405209073131401	S 40711 SCWA ST. JOHN LA	112GLCLU	79-01-09	274	76	5.5	20	4.2	1.6
		112GLCLU	79-05-08	274	82	5.9	17	4.3	1.5

DATE OF SAMPLE	SODIUM, TOTAL RECOVERABLE (MG/L AS Na)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (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)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)	COPPER, TOTAL RECOVERABLE (UG/L AS Cu)	IRON, TOTAL RECOVERABLE (UG/L AS Fe)	MANGANESE, TOTAL RECOVERABLE (UG/L AS Mn)
78-11-02	5.6	.4	6	6.6	7.0	<.01	<.01	<.01	<.10	<10	510	30
78-11-29	7.3	.7	16	5.1	9.0	2.6	<.01	<.01	<.10	30	60	<10
79-02-25	6.8	.7	15	6.8	9.5	2.6	<.01	<.01	<.10	30	30	<10
78-10-10	2.8	.3	9	1.8	4.0	<.01	<.01	<.01	<.10	20	60	<10
79-05-07	2.7	.3	8	1.7	2.0	<.01	<.01	<.01	<.10	<10	20	<10
78-11-15	3.7	.3	5	2.8	2.5	<.01	<.01	<.01	2.0	20	310	<10
79-06-26	3.8	.3	3	1.2	2.5	<.01	<.01	<.01	1.7	<10	190	<10
78-11-29	4.4	.4	17	2.9	5.0	1.0	<.01	<.01	<.10	20	60	<10
79-02-21	4.4	.4	17	2.8	5.5	1.1	<.01	<.01	<.10	<10	10	<10
79-08-22	4.9	.4	18	2.9	6.0	1.0	<.01	<.01	<.10	<10	50	20
79-01-11	3.1	.3	9	.7	4.0	.22	<.01	<.01	<.10	30	<10	<10
79-05-08	3.1	.3	8	.6	4.5	.24	<.01	<.01	<.10	<10	70	<10
79-01-09	6.9	.6	11	2.2	10	1.9	<.01	<.01	<.10	100	<10	10
79-05-08	6.8	.6	10	1.8	12	2.1	<.01	<.01	<.10	20	60	<10

DATE OF SAMPLE	ZINC, TOTAL RECOVERABLE (UG/L AS Zn)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
78-11-02	20	<.02
78-11-29	30	<.02
79-02-25	20	<.02
78-10-10	<10	<.02
79-05-07	<10	<.02
78-11-15	20	<.02
79-06-26	<10	<.02
78-11-29	30	<.02
79-02-21	<10	<.02
79-08-22	<10	<.02
79-01-11	<10	<.02
79-05-08	<10	<.02
79-01-09	30	<.02
79-05-08	20	<.02

## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## 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 (MICRO- MHOS)	PH (UNITS)	HARD- NESS (MG/L AS CAC03)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)
405514073050101		S 40837 SCWA OAK ST	112GLCLU	78-11-01	288	116	6.0	38	8.5	3.9
			112GLCLU	79-03-19	288	107	6.5	49	9.5	4.2
			112GLCLU	79-07-23	288	126	6.2	39	8.6	3.9
405514073050102		S 40838 SCWA OAK ST	112GLCLU	78-11-13	288	107	6.2	30	8.0	3.4
			112GLCLU	79-03-20	288	128	6.1	41	10	4.3
			112GLCLU	79-07-23	288	129	6.0	38	8.5	3.7
405418073064901		S 40980 SCWA HENRY CLAY	211MGTY	79-01-29	578	39	6.1	8	1.4	.4
			211MGTY	79-04-24	578	25	6.2	5	2.2	.5
405015073090201		S 42226 SCWA PIERSON ST.	112GLCLU	78-12-18	270	102	7.7	40	9.2	4.4
			112GLCLU	79-04-11	270	110	7.5	43	11	5.2
			112GLCLU	79-07-30	270	131	7.6	50	11	5.6
405016073090301		S 42227 SCWA PIERSON ST.	112GLCLU	78-12-16	254	104	7.8	44	9.7	4.4
			112GLCLU	79-07-30	254	118	7.1	45	10	5.4
405119073123700		S 42270 SCWA NEW MILL RD	211MGTY	79-01-09	650	36	5.4	9	5.4	.9
			211MGTY	79-05-08	650	37	6.0	7	1.9	.8

DATE OF SAMPLE	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY (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)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHATE, TOTAL (MG/L AS PO4)	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)
78-11-01	5.9	.6	16	14	8.5	2.4	<.01	<.01	<.10	<10	<10	<10
79-03-19	6.0	.7	19	15	8.0	2.7	<.01	<.01	<.10	30	100	40
79-07-23	6.1	.6	18	14	8.0	2.5	<.01	<.01	<.10	<10	70	<10
78-11-13	6.5	.7	19	10	7.5	2.9	<.01	<.01	<.10	<10	100	<10
79-03-20	7.4	.8	18	17	8.0	3.9	<.01	<.01	<.10	<10	30	<10
79-07-23	7.7	.7	18	11	8.0	3.7	<.01	<.01	<.10	<10	<10	<10
79-01-29	2.7	.2	8	1.3	3.5	<.01	<.01	<.01	<.10	40	<10	<10
79-04-24	2.8	.3	8	.8	4.0	.01	<.01	<.01	<.10	20	50	<10
78-12-18	4.6	.4	38	3.0	6.5	.86	<.01	<.01	<.10	<10	<10	<10
79-04-11	4.2	.4	43	3.0	6.0	1.0	<.01	<.01	<.10	<10	<10	<10
79-07-30	5.9	.5	41	2.9	11	1.4	<.01	<.01	<.10	30	100	<10
78-12-16	4.8	.5	40	2.6	6.5	.70	<.01	<.01	<.10	<10	<10	<10
79-07-30	5.4	.5	44	2.4	7.0	1.1	<.01	<.01	<.10	20	<10	<10
79-01-09	3.5	.5	10	3.3	5.5	<.01	<.01	<.01	<.10	20	90	<10
79-05-08	3.5	.5	8	3.0	5.5	<.01	<.01	<.01	<.10	30	60	<10

DATE OF SAMPLE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)
78-11-01	<10	<.02
79-03-19	830	<.02
79-07-23	80	<.02
78-11-13	120	<.02
79-03-20	<10	<.02
79-07-23	<10	<.02
79-01-29	<10	<.02
79-04-24	40	<.02
78-12-18	<10	<.02
79-04-11	20	<.02
79-07-30	<10	<.02
78-12-16	<10	<.02
79-07-30	<10	<.02
79-01-09	80	<.02
79-05-08	20	<.02

## QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## 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 (MICRO-MHOS)	PH (UNITS)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS Mg)
405119073123702	S 42473 SCWA NEW MILL RD	211MGTY	79-01-11	648	44	6.3	7	1.2	.5
		211MGTY	79-05-08	648	45	5.8	5	1.4	.5
404738072562701	S 42499 SCWA STATION RD.	112GLCLU	78-12-24	176	79	6.0	15	3.6	1.5
		112GLCLU	79-03-27	176	73	6.3	14	3.6	1.5
		112GLCLU	79-08-30	176	77	6.3	20	4.3	1.6
405215073012501	S 42504 SCWA FLINT LA	112GLCLU	78-12-11	223	124	6.0	29	10	3.0
		112GLCLU	79-04-17	223	124	6.1	32	7.9	3.1
		112GLCLU	79-07-30	223	145	5.6	36	8.9	3.5
405215073012502	S 42505 SCWA FLINT LA	112GLCLU	78-12-10	233	64	6.1	18	4.8	1.8
		112GLCLU	79-04-18	233	135	6.8	54	14	4.1
		112GLCLU	79-07-30	233	102	5.8	28	6.7	2.4
405054073050902	S 42760 SCWA PLEASANT AV	112GLCLU	78-11-21	174	186	6.0	46	14	5.0
		112GLCLU	79-02-26	174	180	5.8	43	11	4.2
		112GLCLU	79-06-26	174	160	5.9	42	10	3.5

DATE OF SAMPLE	SODIUM, TOTAL RECOVERABLE (MG/L AS Na)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (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)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
79-01-11	5.9	.6	10	7.1	3.5	<.01	<.01	<.01	<.10	20	100	<10
79-05-08	5.7	.6	8	6.0	4.0	<.01	<.01	<.01	<.10	<10	150	20
78-12-24	6.9	.6	9	7.8	11	.49	<.01	<.01	<.10	<10	<10	<10
79-03-27	7.5	.6	9	7.3	12	.50	<.01	<.01	<.10	<10	<10	<10
79-08-30	7.4	.6	12	7.0	10	.41	<.01	<.01	<.10	<10	30	<10
78-12-11	8.1	.9	18	11	15	1.6	<.01	.74	<.10	30	70	<10
79-04-17	8.5	.9	17	10	14	1.7	<.01	.87	<.10	40	40	20
79-07-30	9.3	.9	15	13	17	2.0	<.01	<.01	<.10	50	100	40
78-12-10	4.7	.5	13	7.1	7.0	1.0	<.01	<.01	<.10	20	30	<10
79-04-18	6.0	.7	26	23	9.5	1.6	<.01	<.01	<.10	<10	40	<10
79-07-30	6.9	.7	15	9.2	10	1.5	<.01	<.01	<.10	20	30	20
78-11-21	13	1.1	18	9.5	17	8.9	<.01	<.01	<.10	50	40	40
79-02-26	13	1.1	16	10	16	7.7	<.01	<.01	<.10	30	50	30
79-06-26	12	1.1	15	11	14	6.7	<.01	<.01	<.10	<10	<10	30

DATE OF SAMPLE	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
79-01-11	20	<.02
79-05-08	20	<.02
78-12-24	<10	<.02
79-03-27	<10	<.02
79-08-30	<10	<.02
78-12-11	700	<.02
79-04-17	60	<.02
79-07-30	<10	<.02
78-12-10	20	<.02
79-04-18	<10	<.02
79-07-30	<10	<.02
78-11-21	110	<.02
79-02-26	40	<.02
79-06-26	20	<.02

## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## 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 (MICRO-MHOS)	PH (UNITS)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)	MAGNESIUM TOTAL RECOVERABLE (MG/L AS Mg)
404756073025501	S 42761 SCWA BLUE POINT	211MGTY	78-12-12	334	46	6.2	10	5.2	1.2
			79-04-09	334	48	6.3	13	3.0	1.1
			79-07-30	334	53	6.0	14	3.7	1.2
404305073161401	S 42762 SCWA UNION ST	211MGTY	79-07-15	743	25	5.0	4	.6	.3
404511073112301	S 42827 SCWA FISHER AVE	211MGTY	78-11-26	664	48	6.3	9	2.7	1.5
		211MGTY	79-08-07	664	44	6.3	13	2.3	1.4
405113073260901	S 43001 SCWA WOODCHUCK H	112GLCLU	79-04-24	532	90	5.9	25	6.4	2.4
405256073045603	S 43117 SCWA HAWKINS RD.	211MGTY	78-11-09	552	23	5.9	4	1.4	.4
		211MGTY	79-02-27	552	39	6.7	11	2.8	.7
		211MGTY	79-06-26	552	26	6.0	6	2.2	.4
404820073073402	S 43641 SCWA EASTON ST	211MGTY	78-10-24	706	35	6.0	10	2.6	.9
		211MGTY	79-02-09	706	56	6.6	19	4.8	1.4
		211MGTY	79-05-19	706	39	6.1	8	2.7	.8

DATE OF SAMPLE	SODIUM, TOTAL RECOVERABLE (MG/L AS Na)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (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)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
78-12-12	3.4	.4	10	6.1	4.5	<.01	<.01	<.01	.15	20	170	<10
79-04-09	3.1	.3	11	6.2	4.0	<.01	<.01	<.01	<.10	20	170	<10
79-07-30	4.0	.4	15	5.2	4.0	.15	<.01	<.01	.15	<10	400	<10
79-07-15	3.4	2.5	4	1.3	2.0	<.01	<.01	<.01	.80	<10	200	<10
78-11-26	4.8	.5	17	2.8	3.0	<.01	<.01	<.01	2.8	40	670	10
79-08-07	3.7	.4	15	2.4	3.5	.05	<.01	<.01	.58	70	480	<10
79-04-24	5.3	.6	12	7.3	8.5	3.3	<.01	<.01	<.10	50	<10	<10
78-11-09	2.6	.2	8	.7	3.5	.10	<.01	<.01	<.10	30	<10	<10
79-02-27	3.2	.3	13	1.8	4.0	.38	<.01	<.01	<.10	40	60	<10
79-06-26	2.7	.2	8	1.0	4.0	.12	<.01	<.01	<.10	<10	60	<10
78-10-24	3.7	.3	11	2.5	3.5	.06	<.01	<.01	.17	<10	100	<10
79-02-09	4.2	.4	21	4.0	5.0	.14	<.01	<.01	<.10	20	90	40
79-05-19	3.7	.4	11	2.4	5.0	<.01	<.01	<.01	<.10	30	250	20

DATE OF SAMPLE	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
78-12-12	50	<.02
79-04-09	<10	<.02
79-07-30	<20	<.02
79-07-15	20	<.02
78-11-26	<10	<.02
79-08-07	<10	<.02
79-04-24	20	<.02
78-11-09	<10	<.02
79-02-27	<10	<.02
79-06-26	40	<.02
78-10-24	<10	<.02
79-02-09	10	<.02
79-05-19	20	<.02



## QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

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 (MICRO-MHOS)	PH (UNITS)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS Mg)
404920073142801	S 44774 SCWA FALCON DR	112GLCLU	78-12-16	293	58	6.5	16	3.6	1.4
			112GLCLU 79-04-25	293	57	6.5	17	4.5	1.6
			112GLCLU 79-07-29	293	55	6.2	14	3.6	1.4
405322073211404	S 45610 SCWA WASHINGTON	112GLCLU	79-01-29	312	50	5.9	6	1.6	.5
404503073131201	S 45839 SCWA 41 ST	211MGTY	78-11-27	726	52	5.5	10	2.0	.9
		211MGTY	79-03-27	726	22	5.8	3	.8	.3
		211MGTY	79-08-15	726	22	5.3	5	.8	.3
404218073190400	S 45840 SCWA SMITH ST	211MGTY	78-10-31	315	42	5.6	9	1.2	1.2
		211MGTY	79-06-20	315	47	6.3	9	1.3	1.4
404432073151300	S 46235 SCWA THOMAS AVE	211MGTY	79-03-21	713	29	5.3	6	1.6	.6
		211MGTY	79-08-08	713	30	5.4	6	.9	.5
405002073022600	S 46400 SCWA HORSEBLOCK	112GLCLU	78-12-10	266	115	6.8	32	9.3	3.6
		112GLCLU	79-04-10	266	100	6.8	38	8.6	3.5
		112GLCLU	79-07-30	266	90	6.8	28	6.5	2.7

DATE OF SAMPLE	SODIUM, TOTAL RECOVERABLE (MG/L AS Na)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (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)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
78-12-16	4.3	.4	17	1.8	4.0	.25	< .01	< .01	< .10	<10	50	<10
79-04-25	4.3	.4	18	1.6	6.0	.43	< .01	< .01	< .10	<10	40	<10
79-07-29	4.5	.4	18	1.3	4.0	.38	< .01	< .01	< .10	30	100	<10
79-01-29	3.2	.3	6	.5	7.0	.73	< .01	< .01	< .10	60	40	<10
78-11-27	5.1	.6	7	5.6	5.5	.89	< .01	< .01	< .10	60	110	40
79-03-27	2.6	.3	6	2.2	4.0	< .01	< .01	< .01	< .10	<10	100	<10
79-08-15	2.8	.3	5	1.9	2.5	< .01	< .01	< .01	< .10	30	120	<10
78-10-31	3.8	.6	5	5.0	6.0	< .01	< .01	< .01	< .10	<10	400	20
79-06-20	4.4	.6	7	6.3	6.0	< .01	< .01	< .01	< .10	<10	630	20
79-03-21	2.6	.3	5	4.6	3.0	< .01	< .01	< .01	< .10	<10	120	<10
79-08-08	2.9	.3	7	3.7	3.5	< .01	< .01	< .01	< .10	30	330	10
78-12-10	6.5	.8	25	9.5	8.0	1.5	< .01	< .01	< .10	30	30	<10
79-04-10	6.6	.7	26	10	7.5	1.4	< .01	< .01	< .10	<10	<10	<10
79-07-30	5.0	.6	20	10	5.0	.50	< .01	< .01	< .10	30	<10	<10

DATE OF SAMPLE	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
78-12-16	<10	< .02
79-04-25	50	< .02
79-07-29	<10	< .02
79-01-29	20	< .02
78-11-27	30	< .02
79-03-27	50	< .02
79-08-15	100	< .02
78-10-31	20	< .02
79-06-20	<10	< .02
79-03-21	<10	< .02
79-08-08	20	< .02
78-12-10	100	< .02
79-04-10	<10	< .02
79-07-30	<10	< .02



## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## 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 TOTAL (MICRO- MHOS)	PH (UNITS)	HARD- NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)
404803072484001	S 46712	SCWA OLD NECK RD	112GLCLU	79-04-17	100	65	7.0	15	4.1	1.8
			112GLCLU	79-08-12	100	51	5.8	16	3.2	1.2
404804072484101	S 46713	SCWA OLD NECK RD	211MGTY	79-04-22	443	77	5.7	20	9.9	2.4
			211MGTY	79-08-12	443	47	5.7	13	2.9	1.0
404606073174601	S 46830	SCWA INDUSTRY CT	211MGTY	78-10-10	655	27	5.3	6	1.3	.4
			211MGTY	79-05-30	655	28	5.6	4	1.4	.4
405455073025801	S 46928	SCWA JAYNE BLVD.	211MGTY	78-11-15	649	45	6.4	14	5.5	1.1
			211MGTY	79-03-12	649	112	6.7	37	10	3.4
			211MGTY	79-07-23	649	50	6.6	15	4.0	1.0
404628072430804	S 47024	SCWA DUNE RD WHM	211MGTY	79-06-25	377	233	7.4	3	.5	.4
404617073035501	S 47035	SCWA CHURCH HLBK	112GLCLU	78-10-26	508	46	6.3	10	3.8	1.0
			112GLCLU	79-02-06	508	43	6.0	11	2.6	1.1
			112GLCLU	79-05-16	508	41	6.4	12	2.4	1.0

DATE OF SAMPLE	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHATE, TOTAL (MG/L AS PO4)	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)
79-04-17	4.4	.4	12	6.6	6.5	.62	<.01	<.01	<.10	20	40	<10
79-08-12	4.5	.3	13	4.4	5.5	.16	<.01	<.01	<.10	30	100	50
79-04-22	4.4	.5	14	17	7.0	<.01	<.01	<.01	<.10	20	150	50
79-08-12	4.5	.3	12	6.1	4.0	<.01	<.01	<.01	<.10	20	250	50
78-10-10	3.1	.4	5	.9	4.5	.35	<.01	<.01	<.10	<10	<10	<10
79-05-30	3.0	.5	4	1.2	4.0	.32	<.01	<.01	<.10	40	30	20
78-11-15	3.5	.4	18	1.3	2.5	.17	<.01	<.01	<.10	20	100	<10
79-03-12	5.6	.7	23	14	7.5	1.7	<.01	<.01	<.10	<10	70	20
79-07-23	3.5	.4	18	1.8	3.5	.04	<.01	<.01	<.10	<10	<10	<10
79-06-25	46	4.6	65	20	11	<.01	<.01	<.01	.61	<10	170	<10
78-10-26	3.7	.4	15	3.9	3.5	.05	<.01	<.01	<.10	20	30	20
79-02-06	3.5	.4	14	3.4	3.5	<.01	<.01	<.01	<.10	260	190	10
79-05-16	3.5	.4	15	2.9	3.5	<.01	<.01	<.01	<.10	<10	270	<10

DATE OF SAMPLE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)
79-04-17	20	<.02
79-08-12	20	<.02
79-04-22	300	<.02
79-08-12	20	<.02
78-10-10	<10	<.02
79-05-30	30	<.02
78-11-15	<10	<.02
79-03-12	20	<.02
79-07-23	<10	<.02
79-06-25	<10	<.02
78-10-26	<10	<.02
79-02-06	<10	<.02
79-05-16	<10	<.02

## QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

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 (MICRO-MHOS)	PH (UNITS)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS Mg)
405407073001102	S 47219 SCWA VIKING PL.	112GLCLU	78-12-10	208	130	6.1	37	10	4.6
		112GLCLU	79-04-17	208	112	6.2	36	10	3.8
		112GLCLU	79-07-30	208	140	5.8	46	10	4.5
405407073001101	S 47310 SCWA VIKING PL.	211MGTY	78-12-17	698	40	6.3	8	4.5	.8
		211MGTY	79-04-16	698	125	6.2	45	11	4.4
		211MGTY	79-07-30	698	42	6.0	13	2.9	.8
404317073201802	S 47435 SCWA LAFAYETTE R	211MGTY	78-11-13	441	31	5.7	5	2.2	.2
		211MGTY	79-06-26	441	24	5.2	2	.7	.2
405110072531501	S 47436 SCWA WM FLOYD PK	112GLCLU	78-12-24	165	57	6.0	12	3.0	1.3
		112GLCLU	79-04-08	165	57	6.4	12	3.2	1.3
		112GLCLU	79-09-20	165	66	5.9	18	4.2	1.5
405110072531502	S 47437 SCWA WM FLOYD PK	112GLCLU	79-04-09	179	56	6.2	14	3.3	1.4
404804073051300	S 47453 SCWA LINCOLN AVE	211MGTY	79-02-06	444	41	6.1	12	2.6	.9
		211MGTY	79-05-19	444	37	6.1	11	2.5	.9

DATE OF SAMPLE	SODIUM, TOTAL RECOVERABLE (MG/L AS Na)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (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)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
78-12-10	5.4	.7	13	22	8.5	2.2	<.01	<.01	<.10	30	30	<10
79-04-17	5.5	.6	13	19	8.5	1.5	<.01	<.01	<.10	20	50	80
79-07-30	6.0	.6	14	22	9.5	2.4	<.01	<.01	<.10	30	<10	<10
78-12-17	3.2	.4	11	1.7	3.5	.03	<.01	<.01	<.10	30	30	<10
79-04-16	6.1	.8	15	24	10	1.7	<.01	<.01	<.10	20	70	20
79-07-30	3.4	.4	13	1.7	4.0	.04	<.01	<.01	<.10	<10	<10	<10
78-11-13	3.4	.3	7	4.8	2.5	<.01	<.01	<.01	.45	<10	190	10
79-06-26	3.6	.3	4	1.1	2.0	<.01	<.01	<.01	1.1	30	220	<10
78-12-24	4.2	.4	12	6.3	6.0	.33	<.01	<.01	<.10	160	80	20
79-04-08	3.9	.4	10	6.3	5.5	.31	<.01	<.01	<.10	60	<10	<10
79-09-20	5.0	.5	13	5.9	8.5	.35	<.01	<.01	<.10	30	30	<10
79-04-09	3.9	.4	12	6.2	6.0	.31	<.01	<.01	<.10	70	40	<10
79-02-06	3.5	.3	13	2.9	3.5	.08	<.01	<.01	<.10	20	<10	<10
79-05-19	3.7	.3	14	2.9	3.5	<.01	<.01	<.01	<.10	20	<10	<10

DATE OF SAMPLE	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
78-12-10	20	<.02
79-04-17	40	<.02
79-07-30	<10	<.02
78-12-17	310	<.02
79-04-16	260	<.02
79-07-30	<10	<.02
78-11-13	10	<.02
79-06-26	50	<.02
78-12-24	40	<.02
79-04-08	<10	<.02
79-09-20	50	<.02
79-04-09	20	<.02
79-02-06	<10	<.02
79-05-19	20	<.02

## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## SUFFOLK COUNTY--Continued

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

STATION	NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	HARD- NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)		
405142073105801	S 47673	SCWA HURTIN BLVD	112GLCLU	78-11-01	280	123	6.8	40	11	4.6		
			112GLCLU	79-07-08	280	134	6.9	42	11	4.6		
404204073242001	S 47886		211MGTY	78-10-26	507	28	4.8	7	1.3	.5		
			211MGTY	79-02-27	507	32	5.3	10	1.0	.4		
404046073252102	S 47887	SCWA GREEN AVE	211MGTY	78-11-01	618	24	4.6	4	.8	.2		
			211MGTY	79-06-20	618	24	5.3	4	.8	.2		
405203073085501	S 48014		211MGTY	78-11-05	343	98	7.5	31	9.5	3.8		
			211MGTY	79-07-23	343	109	7.6	39	9.7	3.8		
404515073225502	S 48193	SCWA CIRCLE DR	211MGTY	78-10-11	534	20	5.2	5	1.1	.2		
			211MGTY	79-05-30	534	40	6.1	12	4.1	.3		
405319073233601	S 48719	SCWA FLOWER MILL	112GLCLU	79-01-24	350	68	6.6	22	5.2	1.6		
			112GLCLU	79-04-19	350	66	6.9	21	5.3	1.9		
404739072562701	S 49018	SCWA STATION RD	211MGTY	78-12-24	518	95	6.1	27	7.6	1.8		
			211MGTY	79-09-03	518	55	6.5	17	5.2	1.0		
DATE OF SAMPLE	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHATE, TOTAL (MG/L AS PO4)	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)
78-11-01	6.7	.9	36	7.4	8.5	1.6	<.01	<.01	.22	50	<10	<10
79-07-08	7.0	1.0	38	6.7	10	1.7	<.01	<.01	<1.0	20	<10	<10
78-10-26	3.5	.4	7	4.3	3.5	<.01	<.01	<.01	<.10	<10	360	20
79-02-27	2.7	.4	6	4.6	3.0	.01	<.01	<.01	<.10	80	340	<10
78-11-01	2.3	.3	3	2.4	3.5	<.01	<.01	<.01	<.10	<10	280	20
79-06-20	2.5	.3	4	1.8	2.5	<.01	<.01	<.01	<.10	<10	510	<10
78-11-05	4.3	1.1	33	13	3.5	<.01	<.01	<.01	.21	20	50	50
79-07-23	4.6	1.0	36	10	3.0	<.01	<.01	<.01	.17	<10	70	270
78-10-11	2.3	.2	4	.9	2.5	.05	<.01	<.01	<.10	40	120	<10
79-05-30	3.2	.3	13	1.1	3.0	.33	<.01	<.01	<.10	30	90	<10
79-01-24	4.9	.5	20	2.5	5.5	1.6	<.01	<.01	<.10	40	60	<10
79-04-19	5.2	.5	17	3.7	5.5	1.7	<.01	<.01	<.10	20	<10	<10
78-12-24	5.1	.7	11	21	7.0	.11	<.01	<.01	.16	<10	80	30
79-09-03	3.7	.5	19	3.3	3.5	<.01	<.01	<.01	<.10	20	450	30
DATE OF SAMPLE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)										
78-11-01	<10	<.02										
79-07-08	<10	<.02										
78-10-26	<10	<.02										
79-02-27	<10	<.02										
78-11-01	<10	<.02										
79-06-20	<10	<.02										
78-11-05	<10	<.02										
79-07-23	100	<.02										
78-10-11	<10	<.02										
79-05-30	<10	<.02										
79-01-24	220	<.02										
79-04-19	<10	<.02										
78-12-24	<10	<.02										
79-09-03	<10	<.02										

## QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

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 (MICRO- MHOS)	PH (UNITS)	HARD- NESS (MG/L AS CAC03)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)
405335072562903	S 49606	SCWA BAILEY RD	211MGTY	79-01-28	388	93	7.0	33	8.1	2.8
			211MGTY	79-04-25	388	83	7.0	30	7.9	2.8
404432073151303	S 50546	SCWA THOMAS AVE	211MGTY	79-03-27	667	35	5.9	6	1.5	.8
			211MGTY	79-08-07	667	34	5.3	8	1.1	.8
404426073073304	S 50630	SCWA OAKDALE	211MGTY	78-10-25	245	60	6.3	13	3.7	2.2
			211MGTY	79-05-24	245	70	6.6	16	2.7	2.2
404210073250201	S 51214	SCWA GREAT NECK	211MGTY	78-10-27	395	63	4.9	11	2.4	1.1
			211MGTY	79-06-20	395	59	4.6	9	2.0	1.0
405410073010501	S 51266	SCWA CHESTNUT ST	112GLCLU	78-12-10	593	52	6.8	21	7.6	1.4
			112GLCLU	79-07-30	593	52	6.7	15	4.2	1.1
410253071570801	S 51274	SCWA EDGEEMERE RD	112GLCLU	78-10-09	55	200	6.5	35	8.0	3.8
			112GLCLU	79-01-23	55	210	6.3	38	8.0	3.9
			112GLCLU	79-05-21	55	220	6.4	40	11	5.0

DATE OF SAMPLE	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY (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)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHATE, TOTAL (MG/L AS PO4)	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)
79-01-28	5.0	.9	33	4.6	4.5	.30	<.01	<.01	<.10	10	100	30
79-04-25	5.0	1.0	34	2.7	4.5	.35	<.01	<.01	<.10	<10	30	20
79-03-27	4.2	.4	8	2.8	3.5	<.01	<.01	<.01	<.10	30	360	<10
79-08-07	3.0	.4	6	5.3	3.5	<.01	<.01	<.01	.11	110	470	30
78-10-25	6.7	1.1	21	3.5	4.0	<.01	<.01	<.01	3.5	20	920	30
79-05-24	6.4	1.1	21	2.9	4.0	<.01	<.01	<.01	3.1	<10	890	30
78-10-27	5.4	.6	3	3.8	11	<.01	<.01	<.01	1.3	20	580	20
79-06-20	5.2	.6	3	4.6	10	<.01	<.01	<.01	.18	70	490	10
78-12-10	3.5	.5	20	2.4	3.0	<.01	<.01	<.01	<.10	20	90	<10
79-07-30	3.8	.4	15	1.9	4.0	<.01	<.01	<.01	.21	20	120	<10
78-10-09	24	1.4	17	15	39	1.0	<.01	<.01	<.10	20	160	340
79-01-23	24	1.4	21	14	37	1.0	<.01	<.01	<.10	<10	110	270
79-05-21	24	1.3	21	15	41	.91	<.01	<.01	<.10	<10	160	360

DATE OF SAMPLE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	METHY- LENE, BLUE ACTIVE SUB- STANCE (MG/L)
79-01-28	<10	<.02
79-04-25	<10	<.02
79-03-27	<10	<.02
79-08-07	500	<.02
78-10-25	70	<.02
79-05-24	<10	<.02
78-10-27	40	<.02
79-06-20	30	<.02
78-12-10	550	<.02
79-07-30	<10	<.02
78-10-09	<10	<.02
79-01-23	<10	<.02
79-05-21	<10	<.02

## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## 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 (MICRO-MHOS)	PH (UNITS)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS Mg)
410212071574401	S 51275 SCWA S DAVIS AV	211MGTY	78-10-09	178	148	6.4	18	4.0	2.2
			79-01-23	178	135	6.4	15	3.9	2.0
			79-05-21	178	130	6.4	21	4.3	2.3
404353073215801	S 51298 SCW GORDON AVE	211MGTY	78-10-06	652	23	5.1	4	1.0	.3
			79-05-07	652	22	5.4	7	1.0	.3
404321073222602	S 51457 SCWA TWELFTH ST	211MGTY	78-10-31	623	23	5.0	2	1.3	.1
			79-06-27	623	23	5.1	3	1.0	.2
404808073113302	S 51519 SCWA OVAL DR	211MGTY	78-11-19	408	84	7.0	27	11	1.4
			79-04-18	408	130	7.4	38	11	2.3
			79-08-15	408	84	6.5	27	8.0	1.7
405349072494101	S 51592	112GLCLU	79-06-12	39	70	6.4	14	--	--
404820073073403	S 51609 SCWA EASTON ST	211MGTY	78-10-24	730	42	6.1	12	3.0	.9
			79-05-20	730	40	6.0	8	2.6	.8

DATE OF SAMPLE	SODIUM, TOTAL RECOVERABLE (MG/L AS Na)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (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)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
78-10-09	19	1.0	10	9.5	31	.14	<.01	<.01	<.10	20	120	20
79-01-23	18	.9	12	10	28	.11	<.01	<.01	<.10	20	150	20
79-05-21	17	.9	14	10	27	.07	<.01	<.01	<.10	30	230	20
78-10-06	2.6	.2	5	1.9	2.5	<.01	<.01	<.01	.57	30	340	<10
79-05-07	2.2	.2	6	2.0	4.0	<.01	<.01	<.01	<.10	<10	280	<10
78-10-31	2.4	.3	3	3.2	3.0	<.01	<.01	<.01	<.10	<10	710	<10
79-06-27	2.8	.3	3	2.5	3.0	<.01	<.01	<.01	.54	70	630	<10
78-11-19	4.5	.5	30	3.5	6.0	.73	<.01	<.01	<.10	50	150	20
79-04-18	8.4	.7	29	4.7	10	2.0	<.01	<.01	<.10	30	40	10
79-08-15	6.0	.6	25	3.3	7.5	.92	<.01	<.01	<.10	20	100	<10
79-06-12	--	--	7	8.2	7.5	.55	<.01	<.01	<.10	--	270	80
78-10-24	4.2	.3	10	1.1	5.0	1.0	<.01	<.01	.13	50	150	<10
79-05-20	3.7	.4	11	2.3	4.0	<.01	<.01	<.01	<.10	20	360	30

DATE OF SAMPLE	ZINC, TOTAL RECOVERABLE (UG/L AS Zn)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
78-10-09	<10	<.02
79-01-23	<10	<.02
79-05-21	<10	<.02
78-10-06	30	<.02
79-05-07	<10	<.02
78-10-31	<10	<.02
79-06-27	20	<.02
78-11-19	50	<.02
79-04-18	20	<.02
79-08-15	30	<.02
79-06-12	--	<.02
78-10-24	<10	<.02
79-05-20	20	<.02

## QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

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 (MICRO- MHOS)	PH (UNITS)	HARD- NESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS Ca)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS Mg)
404225073193001	S 51673	SCWA SAWYER AVE	211MGTY	78-11-10	763	24	5.1	2	.8	.4
			211MGTY	79-06-24	763	25	5.0	4	.7	.4
405607073021301	S 51953	SCWA CRYSTAL BK	112GLCLU	79-01-23	316	110	6.6	34	8.6	3.1
			112GLCLU	79-04-24	316	110	6.6	31	8.4	3.0
404612073055001	S 52126	SCWA CHURCH BHMA	112GLCLU	78-10-25	156	106	6.1	24	5.7	2.2
			112GLCLU	79-02-06	156	99	5.9	24	4.9	2.2
			112GLCLU	79-05-16	156	98	6.4	23	5.6	2.2
405407073001103	S 52451	SCWA VIKING PL	112GLCLU	78-12-11	183	138	6.0	44	12	5.2
			112GLCLU	79-04-16	183	127	5.9	44	10	4.3
			112GLCLU	79-07-30	183	102	5.9	32	8.0	2.7
405354073021202	S 52490	SCWA BICYCLE PTH	211MGTY	78-11-07	554	64	6.4	18	4.4	1.7
			211MGTY	79-07-11	554	65	7.1	19	6.4	1.8
404905072565501	S 52944	SCWA PTCHQ-YPHK	112GLCLU	78-12-24	204	76	6.5	18	4.4	1.8
			112GLCLU	79-04-03	204	65	6.3	17	3.8	1.9
			112GLCLU	79-08-19	204	78	6.6	20	4.2	1.9

DATE OF SAMPLE	SODIUM, TOTAL RECOV- ERABLE (MG/L AS Na)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY (MG/L AS CaCO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHATE, TOTAL (MG/L AS PO4)	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)
78-11-10	2.4	.3	3	3.1	2.0	<.01	<.01	<.01	<.10	<10	260	<10
79-06-24	3.3	.3	4	1.0	2.0	<.01	<.01	<.01	1.0	<10	250	<10
79-01-23	8.0	.7	25	5.0	9.0	2.7	<.01	<.01	<.10	<10	<10	<10
79-04-24	8.0	.7	24	4.5	10	2.7	<.01	<.01	<.10	<10	<10	<10
78-10-25	9.2	2.5	18	7.2	14	1.2	<.01	<.01	.12	<10	20	20
79-02-06	7.7	2.1	17	6.4	10	1.0	<.01	<.01	<.10	20	<10	10
79-05-16	7.7	2.1	18	7.3	12	1.2	<.01	<.01	<.10	30	<10	10
78-12-11	6.4	.8	19	24	11	1.6	<.01	<.01	<.10	40	40	<10
79-04-16	6.2	.8	14	28	10	1.8	<.01	<.01	<.10	40	<10	<10
79-07-30	5.0	.6	14	15	7.5	.85	<.01	<.01	<.10	20	<10	<10
78-11-07	4.2	.6	23	3.0	2.5	<.01	<.01	<.01	<.10	40	<10	<10
79-07-11	4.2	.5	22	2.4	2.5	.02	<.01	<.01	.14	20	80	50
78-12-24	5.3	.7	11	10	7.0	.85	<.01	<.01	<.10	30	<10	<10
79-04-03	4.6	.6	12	8.8	5.5	.80	<.01	<.01	<.10	<10	40	<10
79-08-19	6.6	.6	13	8.7	8.5	.79	<.01	<.01	<.10	<10	<10	<10

DATE OF SAMPLE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)
78-11-10	30	<.02
79-06-24	20	<.02
79-01-23	<10	<.02
79-04-24	<10	<.02
78-10-25	<10	<.02
79-02-06	<10	<.02
79-05-16	<10	<.02
78-12-11	20	<.02
79-04-16	30	<.02
79-07-30	10	<.02
78-11-07	<10	<.02
79-07-11	240	<.02
78-12-24	<10	<.02
79-04-03	<10	<.02
79-08-19	20	<.02



## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## 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 (MICRO-MHOS)	PH (UNITS)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS Mg)
404905072565502	S 52945 SCWA PTCHG-YPHK	112GLCLU	78-12-24	196	66	6.2	16	4.0	1.7
			79-03-29	196	61	6.3	17	4.3	2.0
404756073025504	S 53074 SCWA BLUE PT RD	112GLCLU	78-12-10	165	62	6.0	17	3.6	1.6
		112GLCLU	79-04-09	165	47	6.2	15	2.8	1.2
		112GLCLU	79-07-30	165	69	5.6	16	3.5	1.6
405002073022602	S 53291 SCWA HORSEBLOCK	112GLCLU	78-12-12	271	82	6.7	24	6.2	2.4
		112GLCLU	79-04-09	271	77	6.7	27	5.9	2.4
		112GLCLU	79-07-30	271	90	6.8	30	7.0	3.0
405032073162802	S 53360 SCWA WALTER CT	211MGTY	79-02-07	668	55	6.5	16	3.9	1.5
		211MGTY	79-05-10	668	91	6.7	16	3.9	1.4
405133073155901	S 53361 SCWA KINGS PK RD	211MGTY	79-01-07	560	40	5.9	11	4.3	1.0
		211MGTY	79-05-30	560	76	7.3	30	8.8	1.9
404950073085001	S 53497 SCWA TOWNLINE RD	112GLCLU	78-12-16	173	74	5.8	16	3.6	1.6
		112GLCLU	79-04-23	173	80	5.8	20	3.9	1.8
		112GLCLU	79-08-02	173	88	5.8	21	4.4	1.9

DATE OF SAMPLE	SODIUM, TOTAL RECOVERABLE (MG/L AS Na)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (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)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
78-12-24	4.3	.7	13	7.5	6.5	.75	<.01	<.01	<.10	20	<10	<10
79-03-29	4.4	.7	13	7.3	5.0	.74	<.01	<.01	<.10	<10	80	20
78-12-10	4.8	.7	12	6.9	6.0	.85	<.01	<.01	<.10	30	30	<10
79-04-09	3.2	.4	11	5.7	4.5	.04	<.01	<.01	<.10	30	70	<10
79-07-30	5.4	.7	10	6.7	7.0	1.1	<.01	<.01	<.10	<10	<10	30
78-12-12	4.3	.5	23	8.3	4.5	.24	<.01	<.01	<.10	20	20	<10
79-04-09	3.9	.5	20	8.6	5.0	.38	<.01	<.01	<.10	10	<10	<10
79-07-30	5.1	.6	24	10	6.0	.46	<.01	<.01	<.10	30	50	<10
79-02-07	3.7	.5	18	1.2	5.0	1.0	<.01	<.01	<.10	<10	20	<10
79-05-10	4.4	.4	19	.6	3.0	1.0	<.01	<.01	<.10	<10	30	<10
79-01-07	3.6	.4	11	1.6	4.0	.81	<.01	<.01	<.10	40	<10	<10
79-05-30	5.1	.5	26	3.2	6.0	1.5	<.01	<.01	<.10	40	70	30
78-12-16	6.7	.7	9	7.7	9.0	1.0	<.01	<.01	<.10	20	<10	40
79-04-23	7.0	.7	11	7.0	10	1.0	<.01	<.01	<.10	30	<10	50
79-08-02	7.8	.7	14	7.6	9.5	1.2	<.01	<.01	<.10	30	50	40

DATE OF SAMPLE	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
78-12-24	20	<.02
79-03-29	310	<.02
78-12-10	20	<.02
79-04-09	30	<.02
79-07-30	450	<.02
78-12-12	100	<.02
79-04-09	30	<.02
79-07-30	<10	<.02
79-02-07	<10	<.02
79-05-10	<10	<.02
79-01-07	40	<.02
79-05-30	<10	<.02
78-12-16	<10	<.02
79-04-23	<10	<.02
79-08-02	<10	<.02



## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## SUFFOLK COUNTY--Continued

All samples were collected and analyzed by Suffolk County Water Authority

STATION	NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DATE OF SAMPLE	DEPTH OF WELL, TOTAL (FEET)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	HARD- NESS (MG/L AS CACO3)	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)
405230072430001	S 53522	SCWA MRCHS-RVRHD	112GLCLU	79-03-26	294	53	6.5	14	3.3	1.2
			112GLCLU	79-09-04	294	54	6.1	15	3.4	1.2
405124072353603	S 53593	SCWA SPINNEY RD	112GLCLU	78-10-10	162	183	5.9	50	10	6.0
			112GLCLU	79-06-11	162	170	6.0	53	11	5.8
405140073191001	S 53747	SCWA LARKFIELD R	211MGTY	78-10-24	454	40	5.9	8	1.4	1.0
			211MGTY	78-12-27	454	43	5.3	7	2.7	.8
			211MGTY	79-05-16	454	55	6.1	13	3.5	.9
404914073095603	S 53850	SCWA LIBERTY ST.	112GLCLU	78-12-16	188	112	6.8	44	10	4.4
			112GLCLU	79-04-17	188	127	7.0	46	11	5.1
			112GLCLU	79-07-29	188	110	6.6	42	9.4	4.4
405230072430002	S 53851	SCWA MRCHS-RVRHD	112GLCLU	79-04-01	239	54	6.3	16	3.1	1.2
			112GLCLU	79-08-28	239	61	6.5	16	5.6	1.2
405359073182801	S 54162	SCWA MIDDLEVILLE	112GLCLU	79-01-15	544	150	6.8	49	11	4.5
			112GLCLU	79-05-07	544	150	6.7	47	12	4.4

DATE OF SAMPLE	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	ALKA- LINITY (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	PHOS- PHATE, TOTAL (MG/L AS PO4)	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)
79-03-26	3.8	.3	12	4.7	6.0	.18	<.01	<.01	<.10	50	90	<10
79-09-04	4.6	.4	12	4.3	5.5	1.6	<.01	<.01	<.10	30	50	<10
78-10-10	8.1	.7	9	26	11	3.9	<.01	<.01	<.10	90	<10	<10
79-06-11	7.5	1.1	10	29	11	3.6	<.01	<.01	<.10	120	<10	<10
78-10-24	4.3	.5	6	.5	6.5	1.8	<.01	<.01	<.10	30	40	<10
78-12-27	4.3	.5	6	.6	6.0	2.0	<.01	<.01	<.10	50	<10	<10
79-05-16	4.4	.5	7	1.0	6.5	2.2	<.01	<.01	<.10	50	<10	<10
78-12-16	4.9	.6	36	7.9	6.0	.95	<.01	<.01	<.10	30	<10	<10
79-04-17	5.0	.6	42	7.8	7.0	.96	<.01	<.01	<.10	40	<10	<10
79-07-29	5.1	.6	35	7.1	6.0	.58	<.01	<.01	<.10	<10	<10	<10
79-04-01	4.2	.4	12	4.6	5.5	.13	<.01	<.01	<.10	50	50	<10
79-08-28	4.7	.4	19	3.9	6.0	.08	<.01	<.01	<.10	<10	140	20
79-01-15	9.4	.8	18	14	14	4.6	<.01	<.01	<.10	20	50	10
79-05-07	10	.8	20	14	13	4.8	<.01	<.01	<.10	<10	<10	<10

DATE OF SAMPLE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L)
79-03-26	90	<.02
79-09-04	50	<.02
78-10-10	20	<.02
79-06-11	30	<.02
78-10-24	120	<.02
78-12-27	40	<.02
79-05-16	<10	<.02
78-12-16	<10	<.02
79-04-17	<10	<.02
79-07-29	<10	<.02
79-04-01	<10	<.02
79-08-28	<10	<.02
79-01-15	70	<.02
79-05-07	20	<.02

## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## 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 (MICRO-MHOS)	PH (UNITS)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS Mg)
404805073051502	S 54305 SCWA LINCOLN AVE	211MGTY	78-10-24	349	41	6.1	10	3.1	.8
		211MGTY	79-02-08	349	43	6.6	11	5.1	1.0
		211MGTY	79-05-24	349	47	6.2	12	3.1	1.1
404759073122501	S 54308 SCWA DOLORES PL.	211MGTY	78-12-18	794	30	5.8	13	1.7	.8
		211MGTY	79-07-29	794	31	5.7	9	1.4	.8
405030073032103	S 54473 SCWA COLLEGE RD	112GLCLU	78-11-30	312	91	7.1	31	9.3	2.9
404210073250202	S 54568 SCWA ALBANY AVE	211MGTY	78-10-31	423	54	4.8	8	1.7	.9
		211MGTY	79-07-10	423	58	4.8	8	1.6	.9
404722073030501	S 54730 SCWA GREENBELT P	211MGTY	78-10-25	259	45	6.0	10	3.1	1.1
		211MGTY	79-02-06	259	43	6.2	13	2.9	1.1
		211MGTY	79-05-28	259	48	6.5	15	3.3	1.2
405332072242001	S 55028 SCWA W PROSPECT	112GLCLU	79-04-16	161	258	5.9	103	25	8.8

DATE OF SAMPLE	SODIUM, TOTAL RECOVERABLE (MG/L AS Na)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (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)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
78-10-24	4.2	.4	13	1.4	4.0	.04	<.01	<.01	.55	20	120	40
79-02-08	3.9	.3	12	1.6	6.0	1.0	<.01	<.01	<.10	20	20	<10
79-05-24	4.4	.4	12	1.8	5.5	.75	<.01	<.01	<.10	<10	<10	<10
78-12-18	2.4	.4	8	2.6	3.0	<.01	<.01	<.01	<.10	50	<10	<10
79-07-29	3.2	.3	11	2.1	3.5	<.01	<.01	<.01	<.10	<10	60	<10
78-11-30	4.8	.6	31	4.9	4.5	.80	<.01	<.01	.58	<10	150	10
78-10-31	4.2	.6	2	4.4	8.5	<.01	<.01	<.01	<.10	20	410	20
79-07-10	5.1	.6	5	3.1	9.5	<.01	<.01	<.01	.88	80	450	20
78-10-25	3.5	.3	11	6.3	4.5	<.01	<.01	<.01	<.10	30	160	20
79-02-06	3.3	.3	12	6.5	4.5	<.01	<.01	<.01	<.10	20	120	<10
79-05-28	3.6	.3	13	7.2	3.5	.02	<.01	<.01	<.10	20	80	30
79-04-16	11	1.8	14	55	20	6.3	<.01	<.01	<.10	50	<10	10

DATE OF SAMPLE	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
78-10-24	<10	<.02
79-02-08	<10	<.02
79-05-24	<10	<.02
78-12-18	<10	<.02
79-07-29	<10	<.02
78-11-30	<10	<.02
78-10-31	30	<.02
79-07-10	20	<.02
78-10-25	30	<.02
79-02-06	<10	<.02
79-05-28	<10	<.02
79-04-16	40	<.02

## QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## 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 (MICRO-MHOS)	PH (UNITS)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS Mg)
404458073182503	S 55463 SCWA BROOK ST.	211MGTY	78-10-20	360	24	5.0	4	1.0	.4
			79-01-31	360	25	5.4	5	1.1	.4
			79-05-09	360	25	5.4	5	1.4	.4
405410073010502	S 55502 SCWA CHESTNUT ST	112GLCLU	78-12-12	595	44	6.5	15	4.3	1.1
			79-07-30	595	46	6.4	12	3.3	1.1
404326073174101	S 55733 SCWA SUNRISE HWY	211MGTY	78-11-09	233	70	5.7	14	3.8	1.3
			79-06-26	233	81	5.6	16	4.0	1.4
404326073174102	S 55734 SCWA SUNRISE HWY	211MGTY	78-11-08	308	68	5.4	14	3.7	1.3
405014072492501	S 56038 SCWA CNTRY CLUB	112GLCLU	78-12-24	155	95	6.2	30	8.0	2.8
			79-03-28	155	98	6.3	33	8.8	2.9
			79-08-31	155	93	6.2	31	7.0	2.6
405434073194202	S 56133 SCWA WATERSIDE R	112GLCLU	79-01-23	333	122	6.8	41	9.8	4.1
			79-05-17	333	151	6.9	52	13	5.0

DATE OF SAMPLE	SODIUM, TOTAL RECOVERABLE (MG/L AS Na)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (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)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
78-10-20	2.8	.2	6	2.1	3.5	<.01	<.01	<.01	<.10	20	160	10
79-01-31	2.6	.2	5	2.6	3.0	<.01	<.01	<.01	<.10	20	110	<10
79-05-09	2.9	.2	6	2.1	2.0	<.01	<.01	<.01	<.10	<10	90	<10
78-12-12	2.7	.5	15	3.0	2.5	.06	<.01	<.01	<.10	20	40	<10
79-07-30	3.7	.4	14	2.3	3.0	<.01	<.01	<.01	<.10	<10	100	<10
78-11-09	6.7	.4	10	6.5	9.0	<.01	<.01	<.01	1.2	60	680	40
79-06-26	7.8	.5	10	11	9.5	<.01	<.01	<.01	1.0	40	720	30
78-11-08	6.6	.4	11	4.5	7.5	<.01	<.01	<.01	1.4	30	690	50
78-12-24	5.3	.5	18	11	7.0	1.7	<.01	<.01	<.10	50	<10	<10
79-03-28	5.3	.5	18	11	7.0	1.6	<.01	<.01	<.10	30	40	<10
79-08-31	6.0	.5	19	11	7.5	.13	<.01	<.01	<.10	30	20	<10
79-01-23	6.7	.8	32	5.3	8.0	2.6	.03	.03	<.10	<10	<10	<10
79-05-17	7.8	1.0	37	7.9	10	3.1	<.01	<.01	<.10	30	40	<10

DATE OF SAMPLE	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
78-10-20	<10	<.02
79-01-31	<10	<.02
79-05-09	<10	<.02
78-12-12	180	<.02
79-07-30	<10	<.02
78-11-09	<10	<.02
79-06-26	<10	<.02
78-11-08	20	<.02
78-12-24	40	<.02
79-03-28	90	<.02
79-08-31	<10	<.02
79-01-23	<10	<.02
79-05-17	<10	<.02

## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## 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 (MICRO-MHOS)	PH (UNITS)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS Mg)
404950073001501	S 56674 SCWA FAIRMOUNT	112GLCLU	78-12-17	180	124	7.0	42	11	3.4
			79-07-29	180	96	6.3	27	7.2	2.5
404658073164201	S 57008 SCWA EMJAY BLVD	211MGTY	78-12-18	704	102	5.7	35	8.3	3.2
			79-04-17	704	100	6.2	34	8.8	3.0
			79-08-02	704	104	5.4	33	7.2	2.7
410249072554501	S 57357 SCWA S FULTON	112GLCLU	78-10-10	89	205	6.2	41	9.7	5.2
			79-01-23	89	215	6.3	45	9.5	4.6
404612073055002	S 57871 SCWA CHURCH BHMA	112GLCLU	78-10-24	154	102	6.3	22	5.7	2.0
			79-02-13	154	94	6.5	21	5.3	2.0
			79-05-16	154	110	6.3	18	5.1	1.8
405614073051501	S 57979 SCWA SHERRY DR	211MGTY	79-01-24	583	28	6.3	16	1.5	.6
			79-05-01	583	29	6.1	5	1.6	.6
405514073050103	S 57980 SCWA OAK ST.	211MGTY	79-03-21	760	33	6.4	9	2.3	.9
			79-07-23	760	38	6.4	12	2.1	.9

DATE OF SAMPLE	SODIUM, TOTAL RECOVERABLE (MG/L AS Na)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (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)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
78-12-17	7.6	.8	31	8.2	11	1.3	<.01	<.01	<.10	10	40	<10
79-07-29	5.3	.6	18	9.5	6.0	1.2	<.01	<.01	<.10	<10	30	30
78-12-18	4.2	.4	10	21	5.5	1.6	<.01	<.01	<.10	90	30	<10
79-04-17	5.1	.4	13	20	5.0	1.2	<.01	<.01	<.10	<10	160	20
79-08-02	5.8	.4	11	16	7.5	2.0	<.01	<.01	<.10	60	100	<10
78-10-10	23	1.3	27	7.1	44	.37	<.01	<.01	<.10	20	70	10
79-01-23	24	1.3	28	7.6	43	.31	<.01	<.01	<.10	<10	<10	<10
78-10-24	8.7	4.1	22	6.8	12	.88	<.01	<.01	<.10	30	<10	20
79-02-13	8.1	3.6	20	6.8	13	.84	<.01	<.01	<.10	<10	<10	<10
79-05-16	7.7	4.6	22	7.4	12	.67	<.01	<.01	<.10	<10	20	<10
79-01-24	2.9	.3	13	1.6	3.0	.03	<.01	<.01	<.10	20	<10	<10
79-05-01	2.8	.3	6	1.1	4.0	<.01	<.01	<.01	<.10	30	60	<10
79-03-21	3.1	.4	14	3.1	3.5	.07	<.01	<.01	<.10	<10	40	<10
79-07-23	3.3	.4	14	1.8	4.0	.06	<.01	<.01	<.10	<10	<10	<10

DATE OF SAMPLE	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
78-12-17	<10	<.02
79-07-29	<10	<.02
78-12-18	70	<.02
79-04-17	<10	<.02
79-08-02	<10	<.02
78-10-10	<10	<.02
79-01-23	20	<.02
78-10-24	<10	<.02
79-02-13	<10	<.02
79-05-16	<10	<.02
79-01-24	<10	<.02
79-05-01	<10	<.02
79-03-21	<10	<.02
79-07-23	<10	<.02

## WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

## 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 (MICRO-MH/CM)	PH (UNITS)	HARDNESS (MG/L AS CaCO3)	CALCIUM TOTAL RECOVERABLE (MG/L AS Ca)	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS Mg)
404938073152701	S 58708 SCWA CAPITOL CT	211MGTY	78-12-18	148	12	5.7	6	1.9	.5
		211MGTY	79-07-29	148	12	5.6	6	1.6	.5
405342073030701	S 58761 SCWA BOYLE RD.	211MGTY	79-01-24	295	19	7.4	17	4.2	1.2
		211MGTY	79-04-23	295	17	7.4	14	4.2	1.2
404419073171601	S 59347 SCWA BAY SHORE R	211MGTY	78-11-08	131	41	6.3	11	2.4	1.4
		211MGTY	79-06-24	131	45	6.1	11	2.4	1.4
404722073030502	S 59744 SCWA GREENBELTPK	211MGTY	78-10-26	302	40	6.5	10	3.1	1.1
		211MGTY	79-02-06	302	42	6.0	14	2.9	1.1
		211MGTY	79-05-28	302	45	6.2	11	4.6	1.2
404542073013301	S 60486 SCWA WATERWORKS	211MGTY	78-10-24	196	46	6.3	12	4.4	.9
		211MGTY	79-05-16	196	50	6.3	12	4.4	.9

DATE OF SAMPLE	SODIUM, TOTAL RECOVERABLE (MG/L AS Na)	POTASSIUM, TOTAL RECOVERABLE (MG/L AS K)	ALKALINITY (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)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	PHOSPHATE, TOTAL (MG/L AS PO4)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
78-12-18	3.4	.3	9	1.2	4.0	.66	<.01	<.01	<.10	20	40	<10
79-07-29	3.6	.4	7	.5	5.0	.71	<.01	<.01	<.10	50	<10	<10
79-01-24	3.0	.4	20	2.0	2.5	.03	<.01	<.01	<.10	20	60	<10
79-04-23	3.2	.4	18	1.7	3.0	.09	<.01	<.01	.20	<10	20	<10
78-11-08	3.2	.6	13	3.2	3.0	<.01	<.01	<.01	<.10	<10	500	20
79-06-24	4.2	.7	13	1.9	2.5	<.01	<.01	<.01	.78	<10	480	30
78-10-26	3.4	.3	10	6.3	4.0	<.01	<.01	<.01	<.10	30	190	20
79-02-06	3.2	.3	13	5.7	5.0	<.01	<.01	<.01	<.10	<10	170	10
79-05-28	3.4	.3	11	5.7	3.5	<.01	<.01	<.01	<.10	20	100	30
78-10-24	3.7	.6	16	4.7	3.5	.03	<.01	<.01	.29	<10	360	20
79-05-16	3.5	.6	15	4.5	3.5	<.01	<.01	<.01	.16	20	320	<10

DATE OF SAMPLE	ZINC, TOTAL RECOVERABLE (UG/L AS Zn)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)
78-12-18	20	<.02
79-07-29	<10	<.02
79-01-24	<10	<.02
79-04-23	<10	<.02
78-11-08	<10	<.02
79-06-24	20	<.02
78-10-26	<10	<.02
79-02-06	<10	<.02
79-05-28	20	<.02
78-10-24	<10	<.02
79-05-16	<10	<.02

## Geological unit (aquifer):

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

## APPENDIX

REVISIONS IN TERMINOLOGY OF WATER-QUALITY PARAMETERS  
(see NOTICE on page 3)

## ALPHABETIC LISTING

PARM. CODE	NEW TERMINOLOGY -- FIRST LINE OLD TERMINOLOGY -- SECOND LINE
39332	ALDRIN, SUSPENDED TOTAL (UG/L)
39332	ALDRIN, SUSPENDED (UG/L)
01505	ALPHA, SUSPENDED TOTAL (PCI/L)
01505	ALPHA, SUSPENDED (PCI/L)
01506	ALPHA, SUSPENDED TOTAL, COUNTING ERROR (PCI/L)
01506	ALPHA, SUSPENDED, COUNTING ERROR (PCI/L)
01105	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)
01105	ALUMINUM, TOTAL (UG/L AS AL)
01107	ALUMINUM, SUSPENDED RECOVERABLE (UG/L AS AL)
01107	ALUMINUM, SUSPENDED (UG/L AS AL)
01108	ALUMINUM, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS AL)
01108	ALUMINUM, TOTAL IN BOTTOM MATERIAL (UG/G AS AL)
01096	ANTIMONY, SUSPENDED TOTAL (UG/L AS SB)
01096	ANTIMONY, SUSPENDED (UG/L AS SB)
39502	AROCLOR, SUSPENDED TOTAL, 1248 PCB SERIES (UG/L)
39502	AROCLOR, SUSPENDED, 1248 PCB SERIES (UG/L)
39506	AROCLOR, SUSPENDED TOTAL, 1254 PCB SERIES (UG/L)
39506	AROCLOR, SUSPENDED, 1254 PCB SERIES (UG/L)
39510	AROCLOR, SUSPENDED TOTAL, 1260 PCB SERIES (UG/L)
39510	AROCLOR, SUSPENDED, 1260 PCB SERIES (UG/L)
01001	ARSENIC, SUSPENDED TOTAL (UG/L AS AS)
01001	ARSENIC, SUSPENDED (UG/L AS AS)
01006	BARIUM, SUSPENDED RECOVERABLE (UG/L AS BA)
01006	BARIUM, SUSPENDED (UG/L AS BA)
01007	BARIUM, TOTAL RECOVERABLE (UG/L AS BA)
01007	BARIUM, TOTAL (UG/L AS BA)
01008	BARIUM, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS BA)
01008	BARIUM, TOTAL IN BOTTOM MATERIAL (UG/G AS BA)
01011	BERYLLIUM, SUSPENDED RECOVERABLE (UG/L AS BE)
01011	BERYLLIUM, SUSPENDED (UG/L AS BE)
01012	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)
01012	BERYLLIUM, TOTAL (UG/L AS BE)
01013	BERYLLIUM, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS BE)
01013	BERYLLIUM, TOTAL IN BOTTOM MATERIAL (UG/G AS BE)
03505	BETA, SUSPENDED TOTAL (PCI/L)
03505	BETA, SUSPENDED (PCI/L)
03506	BETA, SUSPENDED TOTAL, COUNTING ERROR (PCI/L)
03506	BETA, SUSPENDED, COUNTING ERROR (PCI/L)
01016	BISMUTH, SUSPENDED TOTAL (UG/L AS BI)
01016	BISMUTH, SUSPENDED (UG/L AS BI)
01021	BORON, SUSPENDED RECOVERABLE (UG/L AS B)
01021	BORON, SUSPENDED (UG/L AS B)
01022	BORON, TOTAL RECOVERABLE (UG/L AS B)
01022	BORON, TOTAL (UG/L AS B)
01023	BORON, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS B)
01023	BORON, TOTAL IN BOTTOM MATERIAL (UG/G AS B)
01026	CADMIUM, SUSPENDED RECOVERABLE (UG/L AS CD)
01026	CADMIUM, SUSPENDED (UG/L AS CD)
01027	CADMIUM, TOTAL RECOVERABLE (UG/L AS CD)
01027	CADMIUM, TOTAL (UG/L AS CD)
01028	CADMIUM, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS CD)
01028	CADMIUM, TOTAL IN BOTTOM MATERIAL (UG/G AS CD)

REVISIONS IN TERMINOLOGY OF WATER-QUALITY PARAMETERS--Continued  
(see NOTICE on page 3)

PARM. CODE	NEW TERMINOLOGY -- FIRST LINE OLD TERMINOLOGY -- SECOND LINE
00916	CALCIUM, TOTAL RECOVERABLE (MG/L AS CA)
00916	CALCIUM, TOTAL (MG/L AS CA)
07052	CALCIUM 45, SUSPENDED TOTAL (PCI/L)
07052	CALCIUM 45, SUSPENDED (PCI/L)
07053	CALCIUM 45, SUSPENDED TOTAL, COUNTING ERROR (PCI/L)
07053	CALCIUM 45, SUSPENDED, COUNTING ERROR (PCI/L)
00683	CARBON, ORGANIC, SUSPENDED TOTAL (MG/L AS C)
00683	CARBON, ORGANIC, SUSPENDED (MG/L AS C)
00688	CARBON, INORGANIC, SUSPENDED TOTAL (MG/L AS C)
00688	CARBON, INORGANIC, SUSPENDED (MG/L AS C)
00689	CARBON, ORGANIC, SUSPENDED TOTAL (MG/L AS C)
00689	CARBON, ORGANIC, SUSPENDED (MG/L AS C)
00694	CARBON, INORGANIC PLUS ORGANIC, SUSPENDED TOTAL (MG/L AS C)
00694	CARBON, INORGANIC PLUS ORGANIC, SUSPENDED (MG/L AS C)
01116	CESIUM, SUSPENDED TOTAL (UG/L AS CS)
01116	CESIUM, SUSPENDED (UG/L AS CS)
28404	CESIUM 137, SUSPENDED TOTAL (PCI/L)
28404	CESIUM 137, SUSPENDED (PCI/L)
28405	CESIUM 137, SUSPENDED TOTAL, COUNTING ERROR (PCI/L)
28405	CESIUM 137, SUSPENDED, COUNTING ERROR (PCI/L)
28412	CESIUM 134, SUSPENDED TOTAL (PCI/L)
28412	CESIUM 134, SUSPENDED (PCI/L)
28413	CESIUM 134, SUSPENDED TOTAL, COUNTING ERROR (PCI/L)
28413	CESIUM 134, SUSPENDED, COUNTING ERROR (PCI/L)
39353	CHLORDANE, SUSPENDED TOTAL (UG/L)
39353	CHLORDANE, SUSPENDED (UG/L)
01029	CHROMIUM, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS CR)
01029	CHROMIUM, TOTAL IN BOTTOM MATERIAL (UG/G AS CR)
01031	CHROMIUM, SUSPENDED RECOVERABLE (UG/L AS CR)
01031	CHROMIUM, SUSPENDED (UG/L AS CR)
01034	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
01034	CHROMIUM, TOTAL (UG/L AS CR)
01036	COBALT, SUSPENDED RECOVERABLE (UG/L AS CO)
01036	COBALT, SUSPENDED (UG/L AS CO)
01037	COBALT, TOTAL RECOVERABLE (UG/L AS CO)
01037	COBALT, TOTAL (UG/L AS CO)
01038	COBALT, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS CO)
01038	COBALT, TOTAL IN BOTTOM MATERIAL (UG/G AS CO)
01041	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)
01041	COPPER, SUSPENDED (UG/L AS CU)
01042	COPPER, TOTAL RECOVERABLE (UG/L AS CU)
01042	COPPER, TOTAL (UG/L AS CU)
01043	COPPER, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS CU)
01043	COPPER, TOTAL IN BOTTOM MATERIAL (UG/G AS CU)
39362	DDD, SUSPENDED TOTAL (UG/L)
39362	DDD, SUSPENDED (UG/L)
39367	DDE, SUSPENDED TOTAL (UG/L)
39367	DDE, SUSPENDED (UG/L)
39372	DDT, SUSPENDED TOTAL (UG/L)
39372	DDT, SUSPENDED (UG/L)
39573	DIAZINON, SUSPENDED TOTAL (UG/L)
39573	DIAZINON, SUSPENDED (UG/L)
39382	DIELDRIN, SUSPENDED TOTAL (UG/L)
39382	DIELDRIN, SUSPENDED (UG/L)



REVISIONS IN TERMINOLOGY OF WATER-QUALITY PARAMETERS--Continued  
(see NOTICE on page 3)

PARM. CODE	NEW TERMINOLOGY -- FIRST LINE OLD TERMINOLOGY -- SECOND LINE
39392	ENDRIN, SUSPENDED TOTAL (UG/L)
39392	ENDRIN, SUSPENDED (UG/L)
01121	GALLIUM, SUSPENDED TOTAL (UG/L AS GA)
01121	GALLIUM, SUSPENDED (UG/L AS GA)
01126	GERMANIUM, SUSPENDED TOTAL (UG/L AS GE)
01126	GERMANIUM, SUSPENDED (UG/L AS GE)
01516	GROSS ALPHA RADIOACTIVITY, SUSPENDED TOTAL (PCI/L AS U NATURAL)
01516	GROSS ALPHA RADIOACTIVITY, SUSPENDED (PCI/L AS U NATURAL)
01517	GROSS ALPHA RADIOACTIVITY, SUSPENDED TOTAL (PCI/G AS U NATURAL)
01517	GROSS ALPHA RADIOACTIVITY, SUSPENDED (PCI/G AS U NATURAL)
01518	GROSS ALPHA RADIOACTIVITY, SUSPENDED TOTAL (UG/G AS U NATURAL)
01518	GROSS ALPHA RADIOACTIVITY, SUSPENDED (UG/G AS U NATURAL)
80040	GROSS ALPHA RADIOACTIVITY, SUSPENDED TOTAL (UG/L AS U NATURAL)
80040	GROSS ALPHA RADIOACTIVITY, SUSPENDED (UG/L AS U NATURAL)
80060	GROSS BETA RADIOACTIVITY, SUSPENDED TOTAL (PCI/L AS SR/YT-90)
80060	GROSS BETA RADIOACTIVITY, SUSPENDED (PCI/L AS SR/YT-90)
03516	GROSS BETA RADIOACTIVITY, SUSPENDED TOTAL (PCI/L AS CS-137)
03516	GROSS BETA RADIOACTIVITY, SUSPENDED (PCI/L AS CS-137)
03517	GROSS BETA RADIOACTIVITY, SUSPENDED TOTAL (PCI/G AS SR/YT-90)
03517	GROSS BETA RADIOACTIVITY, SUSPENDED (PCI/G AS SR/YT-90)
03518	GROSS BETA RADIOACTIVITY, SUSPENDED TOTAL (PCI/G AS CS-137)
03518	GROSS BETA RADIOACTIVITY, SUSPENDED (PCI/G AS CS-137)
39412	HEPTACHLOR, SUSPENDED TOTAL (UG/L)
39412	HEPTACHLOR, SUSPENDED (UG/L)
39422	HEPTACHLOR EPOXIDE, SUSPENDED TOTAL (UG/L)
39422	HEPTACHLOR EPOXIDE, SUSPENDED (UG/L)
01044	IRON, SUSPENDED RECOVERABLE (UG/L AS FE)
01044	IRON, SUSPENDED (UG/L AS FE)
01045	IRON, TOTAL RECOVERABLE (UG/L AS FE)
01045	IRON, TOTAL (UG/L AS FE)
01170	IRON, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS FE)
01170	IRON, TOTAL IN BOTTOM MATERIAL (UG/G AS FE)
07062	IRON 59, SUSPENDED TOTAL (PCI/L)
07062	IRON 59, SUSPENDED (PCI/L)
07063	IRON 59, SUSPENDED TOTAL, COUNTING ERROR (PCI/L)
07063	IRON 59, SUSPENDED, COUNTING ERROR (PCI/L)
39432	ISODRIN, SUSPENDED TOTAL (UG/L)
39432	ISODRIN, SUSPENDED (UG/L)
01050	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)
01050	LEAD, SUSPENDED (UG/L AS PB)
01051	LEAD, TOTAL RECOVERABLE (UG/L AS PB)
01051	LEAD, TOTAL (UG/L AS PB)

REVISIONS IN TERMINOLOGY OF WATER-QUALITY PARAMETERS--Continued  
(see NOTICE on page 3)

PARAM. CODE	NEW TERMINOLOGY -- FIRST LINE OLD TERMINOLOGY -- SECOND LINE
01052	LEAD, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS PB)
01052	LEAD, TOTAL IN BOTTOM MATERIAL (UG/G AS PB)
39342	LINDANE, SUSPENDED TOTAL (UG/L)
39342	LINDANE, SUSPENDED (UG/L)
01131	LITHIUM, SUSPENDED RECOVERABLE (UG/L AS LI)
01131	LITHIUM, SUSPENDED (UG/L AS LI)
01132	LITHIUM, TOTAL RECOVERABLE (UG/L AS LI)
01132	LITHIUM, TOTAL (UG/L AS LI)
00926	MAGNESIUM, SUSPENDED RECOVERABLE (MG/L AS MG)
00926	MAGNESIUM, SUSPENDED (MG/L AS MG)
00927	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)
00927	MAGNESIUM, TOTAL (MG/L AS MG)
39533	MALATHION, SUSPENDED TOTAL (UG/L)
39533	MALATHION, SUSPENDED (UG/L)
01053	MANGANESE, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS MN)
01053	MANGANESE, TOTAL IN BOTTOM MATERIAL (UG/G AS MN)
01054	MANGANESE, SUSPENDED RECOVERABLE (UG/L AS MN)
01054	MANGANESE, SUSPENDED (UG/L AS MN)
01055	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
01055	MANGANESE, TOTAL (UG/L AS MN)
71895	MERCURY, SUSPENDED RECOVERABLE (UG/L AS HG)
71895	MERCURY, SUSPENDED (UG/L AS HG)
71900	MERCURY, TOTAL RECOVERABLE (UG/L AS HG)
71900	MERCURY, TOTAL (UG/L AS HG)
71921	MERCURY, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS HG)
71921	MERCURY, TOTAL IN BOTTOM MATERIAL (UG/G AS HG)
39603	METHYL PARATHION, SUSPENDED TOTAL (UG/L)
39603	METHYL PARATHION, SUSPENDED (UG/L)
39757	MIREX, SUSPENDED TOTAL (UG/L)
39757	MIREX, SUSPENDED (UG/L)
01061	MOLYBDENUM, SUSPENDED RECOVERABLE (UG/L AS MO)
01061	MOLYBDENUM, SUSPENDED (UG/L AS MO)
01062	MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MO)
01062	MOLYBDENUM, TOTAL (UG/L AS MO)
01063	MOLYBDENUM, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS MO)
01063	MOLYBDENUM, TOTAL IN BOTTOM MATERIAL (UG/G AS MO)
01066	NICKEL, SUSPENDED RECOVERABLE (UG/L AS NI)
01066	NICKEL, SUSPENDED (UG/L AS NI)
01067	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)
01067	NICKEL, TOTAL (UG/L AS NI)
01068	NICKEL, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS NI)
01068	NICKEL, TOTAL IN BOTTOM MATERIAL (UG/G AS NI)
00623	NITROGEN, AMMONIA PLUS ORGANIC, DISSOLVED (MG/L AS N)
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)
00624	NITROGEN, AMMONIA PLUS ORGANIC, SUSPENDED TOTAL (MG/L AS N)
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)
00625	NITROGEN, AMMONIA PLUS ORGANIC, TOTAL (MG/L AS N)
00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)
00626	NITROGEN, AMMONIA PLUS ORGANIC, TOTAL IN BOTTOM MATERIAL, DRY WT (MG/KG AS N)
00626	NITROGEN, KJELDAHL, TOTAL IN BOTTOM MATERIAL, DRY WT (MG/KG AS N)
39543	PARATHION, SUSPENDED TOTAL (UG/L)
39543	PARATHION, SUSPENDED (UG/L)

REVISIONS IN TERMINOLOGY OF WATER-QUALITY PARAMETERS--Continued  
(see NOTICE on page 3)

PARM. CODE	NEW TERMINOLOGY -- FIRST LINE OLD TERMINOLOGY -- SECOND LINE
39518	PCB, SUSPENDED TOTAL (UG/L)
39518	PCB, SUSPENDED (UG/L)
09505	RADIUM 226, SUSPENDED TOTAL (PCI/L)
09505	RADIUM 226, SUSPENDED (PCI/L)
07082	RHODAMINE WT, SUSPENDED TOTAL (UG/L)
07082	RHODAMINE WT, SUSPENDED (UG/L)
01136	RUBIDIUM, SUSPENDED TOTAL (UG/L AS RB)
01136	RUBIDIUM, SUSPENDED (UG/L AS RB)
29633	SCANDIUM 46, SUSPENDED TOTAL (PCI/L)
29633	SCANDIUM 46, SUSPENDED (PCI/L)
29634	SCANDIUM 46, SUSPENDED TOTAL, COUNTING ERROR (PCI/L)
29634	SCANDIUM 46, SUSPENDED, COUNTING ERROR (PCI/L)
01146	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)
01146	SELENIUM, SUSPENDED (UG/L AS SE)
07102	SELENIUM 75, SUSPENDED TOTAL (PCI/L)
07102	SELENIUM 75, SUSPENDED (PCI/L)
07103	SELENIUM 75, SUSPENDED TOTAL, COUNTING ERROR (PCI/L)
07103	SELENIUM 75, SUSPENDED, COUNTING ERROR (PCI/L)
01076	SILVER, SUSPENDED RECOVERABLE (UG/L AS AG)
01076	SILVER, SUSPENDED (UG/L AS AG)
01077	SILVER, TOTAL RECOVERABLE (UG/L AS AG)
01077	SILVER, TOTAL (UG/L AS AG)
01078	SILVER, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS AG)
01078	SILVER, TOTAL IN BOTTOM MATERIAL (UG/G AS AG)
07122	SILVER 110, SUSPENDED TOTAL (PCI/L)
07122	SILVER 110, SUSPENDED (PCI/L)
07123	SILVER 110, SUSPENDED TOTAL, COUNTING ERROR (PCI/L)
07123	SILVER 110, SUSPENDED, COUNTING ERROR (PCI/L)
39763	SILVEX, SUSPENDED TOTAL (UG/L)
39763	SILVEX, SUSPENDED (UG/L)
70299	SOLIDS, RESIDUE AT 110 DEG. C, SUSPENDED TOTAL (MG/L)
70299	SOLIDS, RESIDUE AT 110 DEG. C, SUSPENDED (MG/L)
01081	STRONTIUM, SUSPENDED RECOVERABLE (UG/L AS SR)
01081	STRONTIUM, SUSPENDED (UG/L AS SR)
01082	STRONTIUM, TOTAL RECOVERABLE (UG/L AS SR)
01082	STRONTIUM, TOTAL (UG/L AS SR)
01083	STRONTIUM, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS SR)
01083	STRONTIUM, TOTAL IN BOTTOM MATERIAL (UG/G AS SR)
13505	STRONTIUM 90, SUSPENDED TOTAL (PCI/L)
13505	STRONTIUM 90, SUSPENDED (PCI/L)
13506	STRONTIUM 90, SUSPENDED TOTAL, COUNTING ERROR (PCI/L)
13506	STRONTIUM 90, SUSPENDED, COUNTING ERROR (PCI/L)
07142	SULFUR 35, SUSPENDED TOTAL (PCI/L)
07142	SULFUR 35, SUSPENDED (PCI/L)
07143	SULFUR 35, SUSPENDED TOTAL, COUNTING ERROR (PCI/L)
07143	SULFUR 35, SUSPENDED, COUNTING ERROR (PCI/L)
01101	TIN, SUSPENDED RECOVERABLE (UG/L AS SN)
01101	TIN, SUSPENDED (UG/L AS SN)
01102	TIN, TOTAL RECOVERABLE (UG/L AS SN)
01102	TIN, TOTAL (UG/L AS SN)
01151	TITANIUM, SUSPENDED TOTAL (UG/L AS TI)
01151	TITANIUM, SUSPENDED (UG/L AS TI)
39402	TOXAPHENE, SUSPENDED TOTAL (UG/L)
39402	TOXAPHENE, SUSPENDED (UG/L)

REVISIONS IN TERMINOLOGY OF WATER-QUALITY PARAMETERS--Continued  
(see NOTICE on page 3)

PARM. CODE	NEW TERMINOLOGY -- FIRST LINE OLD TERMINOLOGY -- SECOND LINE
07010	TRITIUM, SUSPENDED TOTAL (PCI/L)
07010	TRITIUM, SUSPENDED (PCI/L)
07011	TRITIUM, SUSPENDED TOTAL, COUNTING ERROR (PCI/L)
07011	TRITIUM, SUSPENDED, COUNTING ERROR (PCI/L)
07014	TRITIUM, SUSPENDED TOTAL, COUNTING ERROR (TRITIUM UNITS)
07014	TRITIUM, SUSPENDED, COUNTING ERROR (TRITIUM UNITS)
07016	TRITIUM, SUSPENDED TOTAL (TRITIUM UNITS)
07016	TRITIUM, SUSPENDED (TRITIUM UNITS)
22705	URANIUM, NATURAL, SUSPENDED TOTAL (UG/L AS U NATURAL)
22705	URANIUM, NATURAL, SUSPENDED (UG/L AS U NATURAL)
01086	VANADIUM, SUSPENDED TOTAL (UG/L AS V)
01086	VANADIUM, SUSPENDED (UG/L AS V)
01091	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)
01091	ZINC, SUSPENDED (UG/L AS ZN)
01092	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
01092	ZINC, TOTAL (UG/L AS ZN)
01093	ZINC, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS ZN)
01093	ZINC, TOTAL IN BOTTOM MATERIAL (UG/G AS ZN)
01161	ZIRCONIUM, SUSPENDED TOTAL (UG/L AS ZR)
01161	ZIRCONIUM, SUSPENDED (UG/L AS ZR)
39733	2,4-D, SUSPENDED TOTAL (UG/L)
39733	2,4-D, SUSPENDED (UG/L)
39743	2,4,5-T, SUSPENDED TOTAL (UG/L)
39743	2,4,5-T, SUSPENDED (UG/L)

# INDEX

	Page		Page
Accuracy of field data and computed results....	14	English-Metric (International System)	
Acknowledgments.....	2	units conversion factors.....inside of back cover	
Acre-foot, definition of.....	4	Explanation of, ground-water level records.....	16
Algae, definition of.....	4	surface-water records.....	12
Algal growth, definition of.....	4	water-quality records.....	15
Amityville Creek, at Amityville.....	89	Forge River, at Moriches.....	87
Aquifer, definition of.....	4	Freeport, East Meadow Brook at.....	79-80
Artesian, definition of.....	4	Freeport Creek, at Freeport.....	91
Aspatuck Creek, near Westhampton Beach.....	86	East Branch, at Freeport.....	91
Awixa Creek, at Islip.....	88	Fresh Pond Outlet, at Baiting Hollow.....	85
		at Fort Salonga.....	84
Babylon, Carlls River at.....	72-73	Gage height, definition of.....	6
Sampawans Creek at.....	70-71	Gaging station, definition of.....	6
Bacteria, definition of.....	4	Gaging station records.....	31-83
Bay Shore, Penataquit Creek at.....	69, 88	Gaging stations, list of, in downstream order..	VI
Beaverdam Creek, at Westhampton.....	86	Glen Cove Creek, at Glen Cove.....	31-32
Bed material, definition of.....	4	Green Creek, at West Sayville.....	87
Bellmore Creek, at Bellmore.....	77-78	Ground water, level data.....	105-202
Tributary, at North Wantagh.....	90	quality of.....	203-298
near North Wantagh.....	90		
Big Fresh Pond Outlet, at North Sea.....	86	Hardness, definition of.....	6
Biochemical oxygen demand, definition of.....	4	Hydrograph, East Meadow Brook at Freeport.....	18
Biomass, definition of.....	4	Nissequogue River near Smithtown.....	19
Biomass pigment ratio, definition of.....	5	Well N 1259 at Plainedge.....	21
Bottom material, definition of.....	5	Well N 8959 at East Meadow.....	20
		Well S 4271 at Riverhead.....	20
Carlls River, at Babylon.....	72-73	Hydrologic bench mark station, definition of...	12
at Park Avenue, Babylon.....	89	Hydrologic conditions.....	3
Carman Creek, at Amityville.....	89	Hydrologic unit, definition of.....	6
Carmans River, at Middle Island.....	87		
at South Haven.....	87	International System (SI) units.....inside of back cover	
at Yaphank.....	56-60	Introduction.....	1
below Lower Lake, at Yaphank.....	87	Island Swamp Brook, at Lattingtown.....	84
near Yaphank.....	87	Islip, Champlin Creek at.....	66, 88
Cascade Lakes Outlet, at Brightwaters.....	88		
Cedar Swamp Creek, at Merrick.....	90	Kings County, ground-water levels in.....	105-106
Cells/volume, definition of.....	5		
Central Islip, Connetquot Brook at.....	64	Lake Ronkonkoma Inlet, at Lake Ronkonkoma.....	87
Connetquot Brook near.....	65	Land-surface datum, definition of.....	16
Cfs-day, definition of.....	5	Ligonee Brook, at Sag Harbor.....	86
Champlin Creek, at Islip.....	68, 88	Lindenhurst, Santapogue Creek at.....	74, 89
at Montauk Highway, at Islip.....	88	Little River, near Riverhead.....	86
Chemical oxygen demand, definition of.....	5	Little Seatuck Creek, at Eastport.....	86
Chlorophyll, definition of.....	5	Location of data collection stations (maps)....	22-30
Cold Spring Brook, at Cold Spring Harbor.....	35	Low-flow partial-record stations.....	84-91
Collection and Computation of Data.....	12	Low-flow seepage investigation.....	92-101
Colloid, definition of.....	5		
Color unit, definition of.....	5	Malverne, Pines Brook at.....	81-82
Computation, accuracy of results.....	14	Massapequa Creek, at Massapequa.....	75-76
Connetquot Brook, at Central Islip.....	64	at North Massapequa.....	89
near Central Islip.....	65	at Southern State Parkway, at South Farming-	
near Oakdale.....	68	dale.....	89
Connetquot River, near Oakdale.....	66-67	Methylene blue active substance, definition of.	6
Contents, definition of.....	5	Micrograms per gram, definition of.....	6
Control, definition of.....	5	Micrograms per liter, definition of.....	6
Control structure, definition of.....	5	Mill Creek, at Noyack.....	86
Cooperation.....	2	near Huntington.....	84
Cubic feet per second, definition of.....	5	Mill Neck Creek, at Mill Neck.....	33-34
		Millburn Creek, at Baldwin.....	91
Definition of terms.....	4	Milligrams per liter, definition of.....	6
Discharge, definition of.....	5	Minor Element analyses, ground water.....	220-225
Dissolved, definition of.....	6	Motts Creek, at Valley Stream.....	91
Diversity index, definition of.....	6	Mud Creek, at East Patchogue.....	87
Downstream order and station numbers.....	11		
Drainage area, definition.....	6	Nassau County, ground-water levels in.....	107-141
Drainage basin, definition of.....	6	quality of ground-water in.....	203-212
		National Geodetic Vertical Datum of 1929,	
East Meadow Brook, at East Meadow.....	90	definition of.....	6
at Freeport.....	79-80	National stream-quality accounting network	
at Uniondale.....	90	stations.....	46-60
near Westbury.....	90	definition of.....	12
East Patchogue, Swan River at.....	61-62		
East River, at Eastport.....	86		

	Page		Page
Neguntatogue Creek, at Lindenhurst.....	89	Sampawans Creek, at Babylon.....	70-71
Newbridge Creek, at Merrick.....	90	below Hawleys Lake, at Babylon.....	89
Nissequogue River, near Hauppauge.....	85	near Deer Park.....	88
at Smithtown.....	85	near North Babylon.....	88
near Smithtown.....	36-45	Santapogue Creek, at Lindenhurst.....	74, 89
Northeast branch, near East Hauppauge.....	84	at State Highway 27A, Lindenhurst.....	89
near Hauppauge.....	85	Seaford Creek, at Seaford.....	90
at Smithtown.....	84	Seamans Creek, at Seaford.....	90
near Smithtown.....	85	Seatuck Creek, at Eastport.....	86
Numbering system for wells.....	11	Sediment, definition of.....	8
Oakdale, Connetquot River near.....	66-67	Smithtown, Nissequogue River near.....	36-45
Organic Carbon, definition of.....	6	Solute, definition of.....	8
Organism, definition of.....	6	South Pond Outlet, at Rockville Centre.....	91
Organism count/area, definition of.....	6	Special networks and programs.....	12
Organism count/volume, definition of.....	7	Specific conductance, definition of.....	8
Pardees Ponds Outlet, at Islip.....	88	Speonk River, at Speonk.....	86
Parsonage Creek, at Baldwin.....	91	Stage-discharge relation, definition of.....	9
Partial-record station, definition of.....	7	Stony Brook at Stony Brook.....	85
Particle-size, definition of.....	7	Stony Hollow Run, at Centerport.....	84
Particle-size classification, definition of....	7	Streamflow, definition of.....	9
Patchogue River, at Patchogue.....	63, 87	Strong's Creek, at Lindenhurst.....	89
near Patchogue.....	87	Substrate, definition of.....	9
Peconic River, at Manorville.....	85	Suffolk County, ground-water levels in.....	147-202
at Nugent Drive, at Riverhead.....	85	quality of ground-water in.....	226-298
at Riverhead.....	46-55	Surface area, definition of.....	9
Penataquit Creek, at Bay Shore.....	69, 88	Surface-water records.....	31-83
Percent composition, definition of.....	7	Surficial bed material, definition of.....	9
Periphyton, definition of.....	7	Suspended, definition of.....	9
Pesticide analyses, ground water.....	214-219	Swan River, at East Patchogue.....	61-62
Pesticide program, definition of.....	12	Taxonomy, definition of.....	9
Pesticides, definition of.....	7	Time-weighted average, definition of.....	10
Picocurie, definition of.....	7	Tons per acre-foot, definition of.....	10
Pines Brook, at Malverne.....	81-82	Tons per day, definition of.....	10
Plankton, definition of.....	7	Total, definition of.....	10
Polychlorinated biphenyls, definition of.....	8	Total load, definition of.....	10
Polychlorinated naphthalenes, definition of....	8	Total organic carbon, definition of.....	10
Precipitation, quality of, at Bay Park.....	102	Unnamed Tributary to Conscience Bay at	
at East Meadow.....	103	Setauket.....	85
at Upton.....	104	to Port Jefferson Harbor at Port Jefferson...	85
Preface.....	III	to Setauket Harbor at East Setauket.....	85
Primary productivity, definition of.....	8	Valley Stream, at Valley Stream.....	83
Publications on techniques of water-resources		below West Branch, at Valley Stream.....	91
investigations.....	17	Wading River, at Wading River.....	85
Quantuck Creek, at Quogue.....	86	Weesuck Creek, at East Quogue.....	86
Queens County, ground-water levels in.....	141-146	Weighted average, definition of.....	10
quality of ground-water in.....	213	White Brook, at Riverhead.....	86
Radiochemical program, definition of.....	12	Whitney Lake Outlet, at Manhasset.....	84
Rattlesnake Brook, near Oakdale.....	68	WRD, definition of.....	10
Riverhead, Peconic River at.....	46-55	WSP, definition of.....	10
Roslyn Brook, at Roslyn.....	84	Yaphank, Carmans River at.....	56-60
Runoff in inches, definition of.....	8		



## 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)	$2.54 \times 10^1$	millimeters (mm)
	$2.54 \times 10^{-2}$	meters (m)
feet (ft)	$3.048 \times 10^{-1}$	meters (m)
miles (mi)	$1.609 \times 10^0$	kilometers (km)
<i>Area</i>		
acres	$4.047 \times 10^3$	square meters (m <sup>2</sup> )
	$4.047 \times 10^{-1}$	square hectometers (hm <sup>2</sup> )
	$4.047 \times 10^{-3}$	square kilometers (km <sup>2</sup> )
square miles (mi <sup>2</sup> )	$2.590 \times 10^0$	square kilometers (km <sup>2</sup> )
<i>Volume</i>		
gallons (gal)	$3.785 \times 10^0$	liters (L)
	$3.785 \times 10^0$	cubic decimeters (dm <sup>3</sup> )
	$3.785 \times 10^{-3}$	cubic meters (m <sup>3</sup> )
million gallons	$3.785 \times 10^3$	cubic meters (m <sup>3</sup> )
	$3.785 \times 10^{-3}$	cubic hectometers (hm <sup>3</sup> )
cubic feet (ft <sup>3</sup> )	$2.832 \times 10^1$	cubic decimeters (dm <sup>3</sup> )
	$2.832 \times 10^{-2}$	cubic meters (m <sup>3</sup> )
cfs-days	$2.447 \times 10^3$	cubic meters (m <sup>3</sup> )
	$2.447 \times 10^{-3}$	cubic hectometers (hm <sup>3</sup> )
acre-feet (acre-ft)	$1.233 \times 10^3$	cubic meters (m <sup>3</sup> )
	$1.233 \times 10^{-3}$	cubic hectometers (hm <sup>3</sup> )
	$1.233 \times 10^{-6}$	cubic kilometers (km <sup>3</sup> )
<i>Flow</i>		
cubic feet per second (ft <sup>3</sup> /s)	$2.832 \times 10^1$	liters per second (L/s)
	$2.832 \times 10^1$	cubic decimeters per second (dm <sup>3</sup> /s)
	$2.832 \times 10^{-2}$	cubic meters per second (m <sup>3</sup> /s)
gallons per minute (gal/min)	$6.309 \times 10^{-2}$	liters per second (L/s)
	$6.309 \times 10^{-2}$	cubic decimeters per second (dm <sup>3</sup> /s)
	$6.309 \times 10^{-5}$	cubic meters per second (m <sup>3</sup> /s)
million gallons per day	$4.381 \times 10^1$	cubic decimeters per second (dm <sup>3</sup> /s)
	$4.381 \times 10^{-2}$	cubic meters per second (m <sup>3</sup> /s)
<i>Mass</i>		
tons (short)	$9.072 \times 10^{-1}$	megagrams (Mg) or metric tons





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